

Council Meeting Agenda

Meeting to be held at

Port of Sale Business Centre

Foster Street, Sale

Tuesday 6 September 2016, commencing at 1pm

or join Wellington on the Web: www.wellington.vic.gov.au

ORDINARY MEETING OF COUNCIL – 6 SEPTEMBER 2016

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Council Meeting Information

Members of the Public Gallery should note that the Council records and publishes Council meetings via Webcast to enhance the accessibility of Council meetings to the broader Wellington community. These recordings are also archived and may be published on Council's Website for viewing by the public or used for publicity or information purposes. At the appropriate times during the meeting, members of the gallery may address the Council at which time their image, comments or submissions will be recorded.

Members of the public who are not in attendance at the Council meeting but who wish to communicate with the Council via the webcasting chat room should lodge their questions or comments early in the meeting to ensure that their submissions can be dealt with at the end of the meeting.

Please could gallery visitors and Councillors ensure that mobile phones and other electronic devices are turned off or in silent mode for the duration of the meeting.

A - PROCEDURAL

STATEMENT OF ACKNOWLEDGEMENT

"We acknowledge the traditional custodians of this land the Gunaikurnai people, and pay respects to their elders past and present"

PRAYER

"Almighty God, we ask your blessing upon the Wellington Shire Council, its Councillors, officers, staff and their families. We pray for your guidance in our decisions so that the true good of the Wellington Shire Council may result to the benefit of all residents and community groups."

Amen



A4 CONFIRMATION OF MINUTES OF PREVIOUS COUNCIL MEETING/S

ITEM A4 ACTION OFFICER: DATE: **ADOPTION OF MINUTES OF PREVIOUS MEETING/S**

GENERAL MANAGER CORPORATE SERVICES 6 SEPTEMBER 2016

OBJECTIVE

To adopt the minutes of the Ordinary Council Meeting of 16 August 2016 as tabled.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That Council adopt the minutes and resolutions of the Ordinary Council Meeting of 16 August 2016 as tabled.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.



A5 BUSINESS ARISING FROM PREVIOUS MEETING/S

Meeting Agenda - Ordinary Meeting 6 September 2016



A6 ACCEPTANCE OF LATE ITEMS

Meeting Agenda - Ordinary Meeting 6 September 2016



A7 NOTICE/S OF MOTION

Meeting Agenda - Ordinary Meeting 6 September 2016



A8 RECEIVING OF PETITIONS OR JOINT LETTERS

ITEM A8(1)

OUTSTANDING PETITIONS

ACTION OFFICER GOVERNANCE

DATE:

6 SEPTEMBER 2016

ІТЕМ	FROM MEETING	COMMENTS	ACTION BY

ITEM A8(2)

RECEIPT OF PETITION – OBJECTION TO RE-OPENING BRADY'S BRIDGE TO TRAFFIC

ACTION OFFICER

DATE:

GOVERNANCE

6 SEPTEMBER 2016

Financial	Communication	Legislative	Council Policy	Council Plan	Resources & Staff	Community	Environmental	Consultation	Risk Management
		~							

OBJECTIVE

To present Council with a petition in relation to the objection to re-opening Brady's Bridge to traffic.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That Council receive the attached petition in relation to the objection to re-opening Brady's Bridge to traffic.

BACKGROUND

A petition containing 16 signatures has been received by Council.

A copy of the petition is attached for Council information.

LEGISLATIVE IMPACT

Section L6.59 of Wellington Shire Council Processes of Municipal Government (Meetings and Common Seal) Local Law No 1 provides for petitions and joint letters:

"A petition or joint letter presented to the Council must lay on the table for a period determined by the Council but not exceeding the next two Council Meetings. No motion, other than to receive the petition or joint letter may be accepted by the Chairperson, unless the Council unanimously agrees to deal with it earlier."

Dear Tom,

We, the undersigned residents of Stephenson Street Sale and Maxfield's Road, would like to submit our strong objection to the proposal to re-open Brady's Bridge to traffic.

Notification was received from the Wellington Shire stating that Council was seeking application to rebuild the Brady's Bridge as a pedestrian footbridge, had there been mention of application to re-open the bridge to traffic the undersigned would have attended to voice their concerns.

A new pedestrian footbridge would be a welcome upgrade by the residents of our area as well as the many Sale residents who enjoy the peaceful serenity of Maxfield's Road and Stephenson Street on their family walks and bicycle rides with their children and dogs without the hazard of excessive vehicles, opening the bridge to traffic would increase the volume of vehicular traffic to a predicted 300 vehicles per day compromising the safety of these family outings.

In making the decision to apply to re-open the bridge to traffic we wonder if the Council has taken into consideration the environmental impact on the State Wildlife Wetlands Reserve and its inhabitants? Comments such as the one below taken from a review of the Wetlands will no longer be applicable.

The noise of these vehicles will drown out the chorus of birdlife, the dust and the unavoidable damage to the unsealed road alone will ruin the serenity and the picturesque drive to access the wetlands and while the local wildlife spend an incredible amount of time in our yards and on our roads, how many deaths would occur with an increase to 300 vehicles per day.

We are a small rural community on the outskirts of town who value their serenity and privacy, this would be severely compromised with an increase of this proportion of traffic - being in an area with Council Heritage Overlay our fences are designed as a low and open – allowing any passer-by full vision into our properties, opening the doorway for burglary and theft.

Our humble little street is unsealed and suffers from lack of council maintenance on a regular basis – corrugated and dusty but peaceful and private, enjoyed by a multitude of pedestrian based. Sale residents as well as ourselves for the simple fact that it is not a thoroughfare for transients to disrespect and destroy but used to access the wonderful wildlife refuge and our homes.

In addition to applying for funding to build a bridge to accommodate vehicular traffic the Council would also need to seek funding for the upgrade of Stephenson Street to a sealed access road with a pedestrian footpath to ensure the safety of our families and recreational users of our road. As the undersigned strongly object to the re-opening of the bridge to traffic we would find the Council responsible for providing the upgrade & maintenance of the road rather than becoming our responsibility to fund as ratepayers.

If the argument to open the bridge to vehicles is for use during flooding we would like to ensure the Council is aware to the fact that the corner of Maxfield's Road and Stephenson Street is one of the main flood points and would deny access to the bridge during a flood even if it was open to vehicles.

-2

In summary there is no benefit to re-opening Brady's Bridge to vehicular traffic but the downfalls are plenty not only to the local residents and wildlife but the recreational visitors to our area.

We thank you for your consideration of our objection and hope that the Council considers the detrimental damage to both residents and the environment that would result with the re-opening of Brady's Bridge to vehicular traffic.

Please see the below signatory sheet acknowledging individual objectors names and contact details.

Dona wills Tanotte whitehill Marse WhiteHILL Marse Wight Jemiel Wyer Com Dock Theo Sheelwronkos RON FAIRSKA
Michelle Irmin Colin Fruin ROB Duck DARREN UNTHINK

Meeting Agenda - Ordinary Meeting 6 September 2016

ITEM 8A (3)

RESPONSE TO PETITION: REMOVAL OF HANDRAIL ON GANGWAY NEXT TO MCLOUGHLIN'S BEACH BOAT RAMP

DIVISION ACTION OFFICER DATE: BUILT & NATURAL ENVIRONMENT GENERAL MANAGER BUILT & NATURAL ENVIRONMENT 6 SEPTEMBER 2016

IMPACTS									
Financial	Communication	Legislative	Council Policy	Council Plan	Resources & Staff	Community	Environmental	Consultation	Risk Management
\checkmark	\checkmark				✓	✓			

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That:

- 1. Council not agree to the request to remove and relocate the handrail on the gangway next to the McLoughlins Beach Boat Ramp; and
- 2. Council authorise the Chief Executive Officer to continue developing works to install bollards to provide a safe independent barrier that removes the risk of boats floating under the gangway; and
- 3. The Chief Executive Officer write to the head petitioner advising that works will progress to install bollards as recommended by Gippsland Ports.

OBJECTIVE

To consider and respond to the petition received by Council at its meeting of 16 August 2016.

BACKGROUND

Council received a petition at its meeting of 16 August 2016 requesting Council remove the hand rail on the gangway and relocate the handrail under the gangway as:-

- The handrail impedes the boaters from fending their boats away from the gangway
- The handrail impedes boaters from pushing their boats over towards their boat trailer
- The handrail needs to be relocated under the gangway so smaller boats don't find their way under the gangway causing high risk of injury to people or their boats.

On 8 August 2016 officers wrote to a member of the McLoughlins Beach Residents and Ratepayers association who had previously raised concerns with the gangway. Key information in that correspondence included the following: -

- Existing handrails are an essential component of the gangway structure and removal of the northern handrail will compromise its structural integrity.
- An additional barrier connected below the gangway on one side may create significant side impact forces, provide contact issues from boats, water flow and capture debris during floods and likely require upgrade of the gangway fixings.

- Council has consulted with Gippsland Ports in order to determine the most appropriate solution to identified risk of boats being caught under the gangway.
- Gippsland Ports has responded to Council and has proposed the installation of piles between the boat ramp and the gangway which will provide an independent barrier without impeding water flow or needing to modify the gangway.
- Council has engaged Gippsland Ports to provide a works proposal, cost plan and timing for implementing works. Council will advise MBRRA when the works are to be undertaken as soon as that timing is known.



Photo of the gangway and handrails

Council officers have been working with Gippsland Ports to resolve this issue for some time.

Gippsland Ports has recommended installation of bollards at 1500mm centres to prevent boats being swept under the gangway under certain tidal and wind conditions as the preferred solution. Gippsland Ports has indicated this independent installation does not require alteration of the gangway or its fixings and protects the structural integrity of the gangway.

Gippsland Ports have advised that they have sub-contractors currently undertaking works in Port Albert that have the appropriate skills and equipment required to undertake piling works at Mcloughlin's Beach. Officers are progressing quotations from the Gippsland Ports sub-contractors and other suitable contractors to ensure best value for Council in implementing works.

Works can progress on the installation of bollards as soon as quotations are finalised.

Since receiving this petition concerns have been raised by the local angling club supporting the retention of the handrails as they believe the removal of the handrail may create a safety risk for pedestrians and boaters on the moving gangway.

OPTIONS

- 1. Undertake substantial modifications to the gangway including fixing point upgrade and structural alterations to remove the northern handrail and install bollards at 1500 centres independent of the gangway to reduce the identified risk to boaters.
- 2. Progress engagement of suitably qualified and skilled contractors to install bollards that provide a safe independent barrier that removes the identified risk of boats floating under the gangway.
- Not modify the current gangway or add bollards for protection but provide signage warning of possible risks for boaters during certain tidal and wind conditions.

PROPOSAL

Council authorise the Chief Executive Officer to continue developing works to install bollards to provide a safe independent barrier that removes the risk of boats floating under the gangway; and write to the head petitioner advising that works will progress to install bollards as detailed.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest"

FINANCIAL IMPACT

Funding for works will be sourced from Councils Boating facilities budgets. Installation of bollards as suggested are estimated cost to be in excess of \$10,000. Redesign and modifications to gangway would require significant work and still require bollards to be installed. Cost of this option would be in excess of the above bollards estimate. Upon receipt of an alternate design and estimate quotations would need to be sourced for this work.

COUNCIL PLAN IMPACT

The Council Plan 2013-2017 Theme 4 Infrastructure states the following strategic objective and related strategies:

<u>Strategic Objective</u> "Assets and infrastructure that meet current and future community needs."

Strategy 4.2

"Ensure assets are managed, maintained and renewed to meet service needs."

WELLINGTON SHIRE COUNCIL 10 AUG 7018

RECEIVED

m CEO

David Morcom CEO Wellington Shire Council

Re; Petition to remove hand rail on the gangway next to boat ramp.

Dear David,

Please accept this petition on behalf of boaters that use the boat ramp at McLoughlins Beach.

The basis of the petition is to inform the Wellington Shire Council, that there are many boaters that find the current design of the south gangway is causing serious safety issues and making it very difficult for boaters to launch and retrieve their boats to and from their trailers.

This proposal can be engineered as not to severely compromise the gangway's structural integrity. The abutments can be engineered so that compound loads on the abutment fixings will not be impacted on by boats bumping along the structure.

I hope the boaters have successfully stated the importance of this issue.

Yours sincerely

Dellowerell

John Maxwell

WELLINGTON SHIFE COUNCIL

1 0 AUG 2018

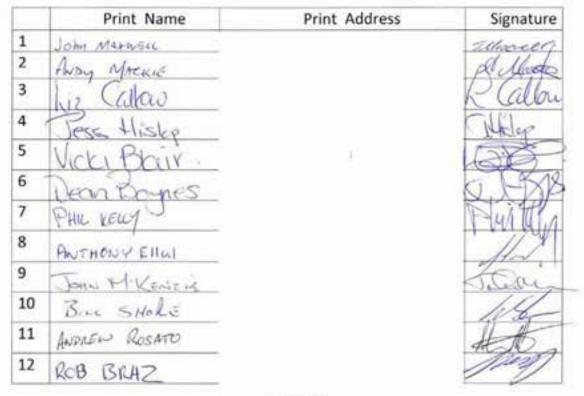
Petition

TO THE CEO DAVID MORCOM Wellington Shire Council

RE: REMOVE HANDRAIL ON SOUTH GANGWAY at MCLOUGHLINS BEACH BOAT RAMP

We the under signed, as boat owners that use the boat ramp at McLoughlins Beach, support the request that the Wellington Shire Council removes the handrail on the south gangway and relocates the handrail under the gangway. (Refer to diagram)

- The handrail impedes boaters from fending their boats away from the gangway.
- The handrail impedes boaters from pushing their boats over towards their boat trailers.
- The handrail needs to be relocated under the gangway so that small boats don't find their way under the gangway causing a HIGH risk of injury to people or damage to boats.





	Print Name	Print Address	Signature
13	COUNTS MASSIELL		the
14	R. Lerron.		- Al
15	A. MONOU		At
16	0. Purves		the.
17	G. LANDRENCE		A
18	2 CHAPMAN		13
19	M.L.IPMAN		Milon
20	D FALRIE		DE
21	A. MCLAREN		ph_
22	C. GORYON		ra
23	M SPERNIS		MIL
24	CANEL FROST		1.12
25	Michael Allapool		M Mal
26	Kevin Kelly		W.Rei
27	MARINE HEMDERSON		H. Hendern
28	Bill Lawry		Ja-
29	TONY HIMIART		6A
30	Ken femereno		21
31	RON HERMENS		Ref
32	CHAIS GOLDSBROACH		ed-
33	clini Falzon		A.
34	CAVIN BLANA		X
35	RIAN WARE		BART
36	RUSSEIL DRPHEN		RA

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	Print Name	Print Address	Signature
37	Ray Vardy.		(Ward
38	John Ware		m
39	TRAVIS TATHOW		Lh
40	DAVE GODENS		-
41	GARY MILLS		. 30
42	Donenic Palermo		R
43 ,	Paras Distates		PAR
44 .	DAULD FIGE		Detty
45	Robin Dean		Que
46	Kaylene Evans		AL
47	FRED THOMPSOND		CA.
48	Andrew James		A
49	Michae Musceana		HIH
50	ADEN LINEMAN		AFR
51	DAT CARDILLO		10
52	Ray KEED		Q:
53	TAN BLOMOUIST		1.11
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WELLINGTON

SHIRE COUNCIL 1.0 AUG 2018

Petition

TO THE CEO DAVID MORCOM Wellington Shire Council

RE: REMOVE HANDRAIL ON SOUTH GANGWAY at MCLOUGHLINS BEACH BOAT RAMP

We the under signed, as boat owners that use the boat ramp at McLoughlins Beach. support the request that the Wellington Shire Council removes the handrail on the south gangway and relocates the handrail under the gangway. (Refer to diagram)

- The handrail impedes boaters from fending their boats away from the gangway.
- The handrail impedes boaters from pushing their boats over towards their boat trailers.
- · The handrail needs to be relocated under the gangway so that small boats don't find their way under the gangway causing a HIGH risk of injury to people or damage to boats.

-	Print Name	Print Address	Signature
1	TONY DELLAFORTUME		ser 1.000
2	De Keenan		Alean
3	Fris Baines.		P3-
4	JakeHardie		Bell 4mor
5	a swatch	6	abers
6	Karen Flaves		AQ.
7	LON RATHER		Ma
8	David Thompson		- Ch-
9	JIN TWOMEY		A
10	F ZuchIKP		Thilthe.
11	Inn. Kinic. *		f. Kig .
12	SHANE NEOROWICZ		12 a

Page 1 of 5

	MCLOUGHLINS: start of the Ninety Mile Beach								
	Print Name	Print Address	Signature						
13	PETER RUFF		· Page						
14	PETER RUFF TREVOR MOREY		Alter						
15		1	1						
16									
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A9 INVITED ADDRESSES, PRESENTATIONS OR ACKNOWLEDGEMENTS



A10 QUESTIONS ON NOTICE

Meeting Agenda - Ordinary Meeting 6 September 2016



DELEGATES

Meeting Agenda - Ordinary Meeting 6 September 2016



C1 - REPORT

CHIEF EXECUTIVE OFFICER

Meeting Agenda - Ordinary Meeting 6 September 2016



C2 - REPORT

GENERAL MANAGER CORPORATE SERVICES

ITEM C2.1 DIVISION: ACTION OFFICER: DATE:

ASSEMBLY OF COUNCILLORS

CORPORATE SERVICES GENERAL MANAGER CORPORATE SERVICES 6 SEPTMEBER 2016

	IMPACTS								
Financial	Communication	Legislative	Council Policy	Council Plan	Resources & Staff	Community	Environmental	Consultation	Risk Management
		✓	1 0110	√ v	u oluii				Managomont

OBJECTIVE

To report on all assembly of Councillor records received during the period 16 August 2016 to 30 August 2016.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That Council note and receive the attached Assembly of Councillor records received during the period 16 August 2016 to 30 August 2016.

BACKGROUND

Section 80A of the *Local Government Act 1989* requires a written record be kept of all assemblies of Councillors, stating the names of all Councillors and Council staff attending, the matters considered and any conflict of interest disclosures made by a Councillor. These records must be reported, as soon as practicable, at an ordinary meeting of the Council and recorded in the minutes.

Below is a summary of all assembly of Councillor records received during the period 16 August 2016 to 30 August 2016.

Assembly of Councillors summary of reports received during the period 16 August 2016 to 30 August 2016

Date	Matters considered	Councillors and officers in attendance
Date	Matters considered	Councillors and officers in attendance
16 August 2016	Councillors' Diary Meeting	Councillor Crossley, Councillor McCubbin, Councillor Davine, Councillor Wenger, Councillor Hole, David Morcom, Chief Executive Officer, Leah Schuback, Executive Assistant
16 August 2016	Kalbar Mineral Sands Project NBN Co Ltd Rollout Update North Sale Draft Design Response Monthly Planning Update (Verbal Update) Rosedale and Seaspray Flood Study Update Port Albert Boating Parking Facilities Community Engagement Strategy Amendment C90: Rezoning of Precincts and 11 Longford Development Plan	Cean Schuback, Executive Assistant Councillor Crossley, Councillor McCubbin, Councillor Rossetti, Councillor Duncan (Item 3- 8), Councillor Hole David Morcom, Chief Executive Officer, Arthur Skipitaris, General Manager Corporate Services, Chris Hastie, General Manager Built & Natural Environment, Glenys Butler, General Manager Community & Culture, John Websdale, General Manager Development, Sharyn Bolitho, Manager Economic Development (Items 1 & 2), Sabine Provily, Strategic Planner (Items 1 & 8), Josh Clydesdale, Manager Land Use Planning (Items 3, 4, 5 & 8), Barry Hearsey, Coordinator Strategic Planning (Items 3, 4, 5 & 8), Michelle Nichols, Coordinator Statutory Planning (Item 4), John Tatterson, Manager Built Environment (Item 6), Catherine Vassiliou, Coordinator Social Planning & Policy (Item 7), Anna Larkin, Community Engagement Officer (Item 7)
23 August 2016	SLUPP Agenda	Councillor McCubbin, Councillor Wenger, Chris Hastie, General Manager Built & Natural Environment, Dean Morahan, Manager Assets & Projects, Sharyn Bolitho, Manager Economic Development, Barry Hearsey, Coordinator Strategic Planning, Ben Proctor, Strategic Planner, Sam Pye, Coordinator Infrastructure Development, Josh Clydesdale, Manager Land Use Planning, Sabine Provily, Strategic Planner

ASSEMBLY OF COUNCILLORS

1. DATE OF MEETING: 16 August 2016

2. ATTENDEES:

Councillors:

Name	In attendance		Name	In attendance	
	Yes No			Yes	No
Cr Crossley	✓		Cr McCubbin	✓	
Cr Rossetti		✓	Cr McIvor		\checkmark
Cr Cleary		✓	Cr Wenger	✓	
Cr Davine	✓		Cr Hole	✓	
Cr Duncan	 ✓ 				

Officers In Attendance:

Name	In attendance		Name	In attendance	
	Yes No			Yes	No
D Morcom, CEO	✓		G Butler, Acting CEO		\checkmark
C Hastie, GMB&NE		✓	J Websdale , GMD		\checkmark
A Skipitaris, GMCS		✓			

Others in attendance:

Name	Item No.	Name	Item No.
Leah Schuback	1		

3. MATTERS/ITEMS CONSIDERED AT THE MEETING

1. Councillors' Diary Meeting

4. CONFLICT OF INTEREST DISCLOSURES MADE BY COUNCILLORS: Nil

ASSEMBLY OF COUNCILLORS

1. DATE OF MEETING: 16 August 2016

2. ATTENDEES:

Councillors:

Name	In atter	ndance	Name	In attendance	
	Yes	No		Yes	No
Cr Crossley	✓	✓ Cr McCubbin		✓	
Cr Rossetti	✓		Cr McIvor		✓
Cr Cleary (leave)		✓	Cr Wenger	✓	
Cr Davine	✓		Cr Hole	\checkmark	
Cr Duncan (item 3 - 8)	\checkmark				

Officers in Attendance:

Name	In attendance		Name	In attendance	
	Yes No			Yes	No
D Morcom, CEO	\checkmark		G Butler, GMCC	✓	
A Skipitaris, GMCS	✓		John Websdale GMD	✓	
C Hastie, GMBNE	\checkmark				

Others in attendance:

Name	Item No.
Sharyn Bolitho, Elizabeth Radcliffe, Chris Cook, Neil O'Loughlin	1
Sharyn Bolitho, Sabine Provily	2
Josh Clydesdale, Barry Hearsey, Chris De Silva, Celia Konstas	3
Josh Clydesdale, Barry Hearsey, Michelle Nichols	4
Josh Clydesdale, Barry Hearsey, Adam Dunn (WG Catchment Mgt. Authority)	5
John Tatterson	6
Catherine Vassiliou, Anna Larkin	7
Josh Clydesdale, Barry Hearsey, Sabine Provily	8

3. MATTERS / ITEMS CONSIDERED AT THE MEETING:

- 1. Kalbar Mineral Sands Project
- 2. NBN CO Ltd Rollout Update
- 3. North Sale Draft Design Response
- 4. Monthly Planning Update (Verbal Update)
- 5. Rosedale and Seaspray Flood Study Update
- 6. Port Albert Boating and Parking Facilities
- 7. Community Engagement Strategy
- 8. Amendment C90: Rezoning of Precincts 3 and 11 Longford Development Plan

4. CONFLICT OF INTEREST DISCLOSURES MADE BY COUNCILLORS:

Item 3 North Sale Draft Design Report - Cr Davine declared a Conflict of Interest due to an Indirect Interest by Close Association and left the chamber.

ASSEMBLY OF COUNCILLORS

1. DATE OF MEETING: 23 August 2016

2. ATTENDEES

Councillors

Name	In attendance		Name	In attendance	
	Yes No			Yes	No
Cr Crossley	 ✓ 		Cr McCubbin	\checkmark	
Cr Rossetti	✓		Cr McIvor		✓
Cr Cleary	 ✓ 		Cr Wenger	✓	
Cr Davine	✓		Cr Hole		\checkmark
Cr Duncan		✓			

Officers in Attendance

Name	In attendance		Name	In atte	ndance
	Yes	No		Yes	No
D Morcom, CEO		✓	G Butler, GML		\checkmark
A Skipitaris, GMCS		✓	J Websdale , GMD		✓
C Hastie, GMB&NE	\checkmark				

Others in attendance

Name	Item No.	Name	Item No.
Dean Monahan	✓	Sam Pye	
Sharyn Bolitho	✓	Josh Clydesdale	
Barry Hearsey	✓	Sabine Provily	✓
Ben Proctor	\checkmark		

3. MATTERS/ITEMS CONSIDERED AT THE MEETING:

1. SLUPP Agenda - 23 August 2016

4. CONFLICT OF INTEREST DISCLOSURES MADE BY COUNCILLORS:

Nil

ITEM C2.2

APPROVAL IN PRINCIPLE OF DRAFT 2015/2016 FINANCIAL AND PERFORMANCE STATEMENTS

DIVISION: ACTION OFFICER: DATE: CORPORATE SERVICES MANAGER CORPORATE FINANCE 6 SEPTEMBER 2016

	IMPACTS										
Financial	Communication	Legislative	Council	Council	Resources	Community	Environmental	Consultation	Risk		
			Policy	Plan	& Staff				Management		
		\checkmark		\checkmark							

OBJECTIVE

For Council to approve in principle the draft 2015/2016 Financial and Performance Statements as attached and authorise two Councillors to certify these statements upon completion of the Auditor-General's review.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That Council approve, in principle, the Draft 2015/2016 Financial and Performance Statements as attached and authorise Councillors Cleary and Duncan to certify the statements in their final form.

BACKGROUND

Section 131 of the *Local Government Act 1989* requires Council to prepare an annual report for submission to the Minister for Local Government by 30 September of each year.

The annual report must contain the following:

- A report of operations of the Council;
- An audited Performance Statement;
- Audited Financial Statements

Council must pass a resolution giving its approval in principle to the Financial Statements and the Performance Statement so that Officers can submit these to the Auditor-General.

The Chief Executive Officer, Principal Accounting Officer and two Councillors appointed by Council must certify the statements, once amendments or changes requested by the Auditor-General have been made.

Council's Audit Committee has reviewed the draft Financial and Performance Statements and formally recommends that Council approve the statements in principle.

The in principle approval of the statements in early September 2016 will enable the draft statements to be reviewed and certified by the Auditor-General prior to 30 September 2016. This will enable Council to meet its legislative requirement of submitting the 2015/2016 Annual Report to the Minister for Local Government by 30 September 2016.

OPTIONS

That Council:

- 1. Approve in principle the Draft 2015/2016 Financial and Performance Statements as attached, and authorise two Councillors to certify the statements in their final form; or
- 2. Not approve in principle the Draft 2015/2016 Financial and Performance Statements, as attached, at this time.

PROPOSAL

That Council approve, in principle, the Draft 2015/2016 Financial and Performance Statements as attached, and authorise Councillors Cleary and Duncan to certify the statements in their final form.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

LEGISLATIVE IMPACT

Section 132(2) of the *Local Government Act 1989* requires Council to pass a resolution giving approval in principle to the Financial and Performance Statements prior to submitting the statements to the Auditor-General.

COUNCIL PLAN IMPACT

The Council Plan 2013-17 Theme 2 Organisational states the following strategic objective and related strategy:

<u>Strategic Objective</u> *"An organisation that is responsive, flexible, honest, accountable and consistent."*

<u>Strategy 2.2</u> *"Maintain processes and systems to ensure sound financial management."*

ANNUAL FINANCIAL REPORT

FOR THE YEAR ENDED 30 JUNE 2016



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Certification of the Financial Statements

COMPREHENSIVE INCOME STATEMENT

FOR THE YEAR ENDED 30 JUNE 2016

	NOTE	2016 \$'000	2015 \$'000
Income			
Rates and charges	3	51,600	49,392
Statutory fees and fines	4	456	566
User fees	5	6,410	6,113
Grants - operating	6	8,046	21,156
Grants - capital	6	6.744	5,076
Contributions - monetary	7	350	339
Contributions - non monetary	7	5,934	1,589
Net gain/(loss) on disposal of property, infrastructure, plant and equipment	8	243	(177)
Other Income	9	3,405	3,002
Total income	1	83,288	87,056
Expenses			
Employee costs	10	23,748	22,906
Materials and services	11	25,195	27,175
Bad and doubtful debts	12	70	107
Depreciation and amortisation	13	21,102	22,491
Borrowing costs	14	649	769
Other expenses	15	1,323	1,570
Total expenses	_	72,087	75,018
Surplus for the year		11,201	12,038
Other comprehensive income			
Net asset revaluation increment	27(a)	3,119	8,000

The above comprehensive income statement should be read in conjunction with the accompanying notes.

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BALANCE SHEET

AS AT 30 JUNE 2016

	Note	2016 \$1000	2015 \$'000
Assets			
Current assets			
Cash and cash equivalents	16	4,102	25,096
Trade and other receivables	17	6,224	5,963
Other financial assets	18	40,442	19,262
Non-current assets classified as held for sale	19	218	
Other assets	20	974	2,327
Total Current Assets		51,960	52,648
Non-current assets			
Trade and other receivables	17	1,427	1,486
Property, infrastructure, plant and equipment	21	899,169	887,890
Intangible assets	22	649	901
Total non-current assets		901,245	890,277
Total assets		953,205	942,925
Liabilities			
Current liabilities			
Trade and other payables	23	4,678	6,103
Trust funds and deposits	24	629	769
Provisions	25	6,785	6,532
Interest-bearing loans and borrowings	26	1,481	2,990
Total current liabilities		13,573	16,394
Non-current liabilities			
Provisions	25	2,117	1,855
Interest-bearing loans and borrowings	26	8,656	10,137
Total non-current liabilities		10,773	11,992
Total liabilities	=	24,346	28,386
Net assets		928,859	914,539
Equity			
Accumulated surplus		314,775	301,682
Reserves	27	614,084	612,857
Total Equity	=	928,859	914,539

The above balance sheet should be read with the accompanying notes

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STATEMENT OF CHANGES IN EQUITY

FOR THE YEAR ENDED 30 JUNE 2016

2016	Note	Total \$1000	Accumulated Surplan \$'000	Asset Revaluation Reserve \$1000	Other Reserves \$1000
Balance at beginning of the financial year		914,539	301,682	605,809	7,048
Surplus(deficit) for the year		11,201	11,201	-	
Net asset revaluation increment/(decrement)	27(a)	3,119		3,119	2.2
Transfer from asset revolution reserve to accumulated surplus	35	1.000	1,543	(1.543)	2000
Transfers to other reserves	27(b)		(2,025)		2,025
Transfers from other reserves	27(b)		2,374	÷	(2,374)
Balance at end of the financial year	- 22	928,859	314,775	607,385	6,699

2015		Total \$'000	Accumulated Surplus \$'000	Asset Revaluation Reserve \$'000	Other Reserves \$1000
Balance at beginning of the financial year		893,853	286,409	600,519	6.925
Effects of correction of errors	1(x)	648	803	(155)	12.00
Surplus for the year	RIGUY.	12,038	12,038		19
Net asset revoluation increment/(decrement)	27(a)	8,000		8,000	
Transfer from asset revaluation reserve to accumulated surplus	35	+	2,555	(2,555)	÷
Transfers to other reserves	27(b)	6	(1,553)		1,553
Transfers from other reserves	27(b)		1,430		(1,430)
Balance at end of the financial year	2012/01	914,539	301,682	605,809	7,048

The above statement of changes in equity should be read with the accompanying notes

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STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED 30 JUNE 2016

		2016 Inflows/ (Outflows)	2015 Inflowa/ (Outflows)
	Note	\$'000	\$'000
Cash flows from operating activities			
Rates and Charges		51,269	48,619
Statutory lees and fines		466	566
User fees		6,668	5,937
Grants - operating		8,569	21,510
Grants - capital		7,370	5,327
Contributions -monetary		460	463
Interest received		1,256	1,251
Trust Funds and deposits taken		7,738	7,372
Other receipts		1,738	1,752
Goods and Services Tax Collected	1(1)	789	774
Goods and Services Tax Relards from the Australian Taxation Office	100	3,929	4,092
Employees costs		(23,590)	(22,390)
Material and services		(26,691)	(26,835)
Trust Funds and deposits repaid		(7,789)	(7,285)
Other payments		(643)	(730)
Goods and Services Tax Paid to Suppliers	1(1)	(4,718)	(4,865)
Net cash provided by operating activities	28	26,821	35,557
Cash flows from investing activities			
Payments for property, infrastructure, plant and equipment	21	(23,981)	(24,381)
Proceeds from sale of property, infrastructure, plant and equipment	8	988	613
Payments for investments		(132,971)	(89,154)
Proceeds from sale of investments		111,791	69,892
Net cash used in investing activities		(44,173)	(43,030)
Cash flows from financing activities			
Finance costs		(652)	(773)
Repayment of borrowings	5	(2,990)	(2.847)
Net cash provided byl(used in) financing activities		(3,642)	(3,620)
Net increasel(decrease) in cash and cash equivalents		(20,994)	(11,093)
Cash and cash equivalents at the beginning of the financial year		25,096	36,189
Cash and cash equivalents at the end of the financial year		4,102	25,096
Financing arrangements	29		
Restrictions on cash assets	16		
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The above cash flow statement should be read with the accompanying notes

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STATEMENT OF CAPITAL WORKS

FOR THE YEAR ENDED 30 JUNE 201	FOR	THE	YEAR	ENDED	30	JUNE	2016
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	Note	2016 \$'000	2015 \$'000
Property			
Land		185	
Land improvements		46	12
Total land		231	12
Buildings		2.028	8.070
Total buildings		2,028	8,070
Total property		2,259	8,082
Plant and equipment			
Plant, machinery and equipment		2,837	1,555
Furniture and Fittings		203	1,007
Computers and telecommunications		67	601
Library Books		196	240
Art Works		50	72
Total plant and equipment	-	3,353	3,475
Infrastructure			
Roads		9,493	7,550
Bridges		1,515	708
Foolpaths and cycleways		587	1,587
Dranagé		132	132
Recreational, leisure and community facilities		1,711	646
Waste management		538	68
Parks, open space and streetscapes		1,781	952
Aerodromes		175	86
Off street car parks		101	49
Other infrastructure		2,139	1,016
Total infrastructure	1	18,172	12,794
Total capital works expenditure		23,784	24,351
Represented by:			
New asset expenditure		453	2.4
Asset renewal expenditure		16,659	15,381
Assel expansion expenditure		822	1,546
Asset upgrade expenditure	35	5,850	7,424
Total capital works expenditure		23,784	24,351

The above Statement of Capital Works should be read in conjunction with the accompanying notes. The Statement of Capital Works includes work in progress and excludes intangibles

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Notes to the Financial Report For the Year Ended 30 June 2016

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INTRODUCTION

Wellington Shire Council was established by an Order of the Governor in Council on 2 December 1994. The Council's main office is located at 18-20 Desailly Street, Sale 3850.

STATEMENT OF COMPLIANCE

These financial statements are a general purpose financial report that consists of a Comprehensive Income Statement, Balance Sheet, Statement of Changes in Equity, Statement of Cash Flows, Statement of Capital Works and notes accompanying these financial statements. The general purpose financial report complex with Australian Accounting Standards (AAS's), other authoritative pronouncements of the Australian Accounting Standards Board, the Local Government Act 1989, and the Local Government (Planning and Reporting) Regulations 2014.

NOTE 1 SIGNIFICANT ACCOUNTING POLICIES

(a) Basis of accounting

The accrual basis of accounting has been used in the preparation of these financial statements, whereby assets, liabilities, equity, income and expenses are recognized in the reporting period to which they relate, regardless of when cash is received or paid.

Judgements, estimates and assumptions are required to be made about the carrying values of assets and liabilities that are not readily apparent from other sources. The estimates and associated judgements are based on professional judgement derived from historical experience and various other factors that are believed to be reasonable under the circumstances. Actual results may differ from these estimates.

Revisions to accounting estimates are recognised in the period in which the estimate is revised and also in future periods that are affected by the revision. Judgements and assumptions made by management in the application of AAS's that have significant effects on the financial statements and estimates relate to:

- the fair value of land, buildings, infrastructure, plant and equipment (refer to note 1(e))

- the determination of depreciation for buildings, infrastructure, plant and equipment (refer to note 1(k))
- the determination of employee provisions (refer to note 1(p))

Unless otherwise stated, all accounting policies are consistent with those applied in the prior year. Where appropriate, comparative figures have been amended to accord with current presentation, and disclosure has been made of any material changes to comparatives.

(b) Change in accounting policies

There have been no changes in accounting policies from the previous period.

(c) Committees of management

All entities controlled by Council that have material revenues, expenses, assets or liabilities, such as committees of management, have been included in this financial report. Any transactions between these entities and Council have been eliminated in full.

(d) Revenue recognition

Income is recognised when the Council obtains control of the contribution or the right to receive the contribution, it is probable that the economic benefits comprising the contribution will flow to the Council and the amount of the contribution can be measured reliably.

Rates and Charges

Annual rates and charges are recognised as revenues when Council issues annual rates notices. Supplementary rates are recognised when a valuation and reassesament is completed and a supplementary rates notice issued.

Statutory fees and fees

Statutory fees and fines (including parking fees and fines) are recognised as revenue when the service has been provided, the payment is received, or when the penalty has been applied, whichever first occurs.

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Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 1 SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

(d) Revenue recognition (cont'd)

User fees

User fees are recognised as revenue when the service has been provided or the payment is received, whichever first occurs.

Grants

Grant income is recognised when Council obtains control of the contribution. This is normally obtained upon their receipt (or acquittal) or upon earlier notification that a grant has been secured, and are valued at their fair value at the date of transfer.

Where grants or contributions recognised as revenues during the financial year were obtained on condition that they be expended in a particular manner or used over a particular period and those conditions were undischarged at balance date, the unused grant or contribution is disclosed in notes 6 and 7. The note also discloses the amount of unused grant or contribution from prior years that was expended on Council's operations during the current year.

Contributions

Monetary and non-monetary contributions are recognized as revenue when Council obtains control over the contributed asset.

Sale of property, infrastructure, plant and equipment

The profit or loss on sale of an asset is determined when control of the asset has inevocably passed to the buyer.

Interest

Interest is recognised as it is earned.

Other Income

Other income is measured at the fair value of the consideration received or receivable and is recognized when Council gains control over the right to receive the income.

(e) Fair value measurement

Council measures certain assets and liabilities at fair value where required or permitted by Australian Accounting Standards. AAS8 13 Fair value measurement, aims to improve consistency and reduce complexity by providing a definition of fair value and a single source of fair value measurement and disclosure requirements for use across Australian Accounting Standards.

AASB 13 defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Fair value under AASB 13 is an exit price regardless of whether that price is directly observable or estimated using another valuation technique.

All assets and Sabilities for which fair value is measured or disclosed in the financial statements are categorised within a fair value hierarchy, described as follows, based on the lowest level input that is significant to the fair value measurement as a whole:

Level 1 - Quoted (unadjusted) market prices in active markets for identical assets or liabilities

Level 2 - Valuation techniques for which the lowest level input that is significant to the fair value measurement is directly observable; and

Level 3 -- Valuation techniques for which the lowest level input that is significant to the fair value measurement is unobservable.

For the purpose of fair value disclosures, Council has determined classes of assets and liabilities on the basis of the nature, characteristics and risks of the asset or liability and the level of the fair value hierarchy as explained above.

In addition, Council determines whether brandlers have occurred between levels in the hierarchy by re-assessing categorisation (based on the lowest level input that is significant to the fair value measurement as a whole) at the end of each reporting period.

(f) Cash and cash equivalents

Cash and cash equivalents include cash on hand, deposits at call, and other highly liquid investments with original maturities of 90 days or less, net of outstanding bank overdrafts.

(g) Trade and other receivables

Receivables are carried at amortised cost using the effective interest rate method. A provision for doubtful debts is recognised when there is objective evidence that an impairment has occurred.

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Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 1 SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

(h) Other financial assets

Other financial assets are valued at fair value, being market value, at balance date. Term deposits are measured at amortised cost. Any unrealised gains and losses on holdings at balance date are recognised as either a revenue or expense.

(i) Non-current assets classified as held for sale

A non-current asset classified as held for sale (including disposal groups) is measured at the lower of its carrying amount and fair value less costs to sell, and is not subject to depreciation. Non-current assets, disposal groups and related liabilities and assets are treated as current and classified as held for sale if their carrying amount will be recovered through a sale transaction rather than through continuing use. This condition is regarded as met only when the sale is highly probable and the asset's sale (or disposal group sale) is expected to be completed within 12 months from the date of classification.

(j) Recognition and measurement of property, plant and equipment, infrastructure, intangibles

Acquisition

The purchase method of accounting is used for all acquisitions of assets, being the fair value of assets provided as consideration at the date of acquisition plus any incidental costs attributable to the acquisition. Fair value is the amount for which the asset could be exchanged between knowledgeable willing parties in an arm's length transaction.

Where assets are constructed by Council, cost includes all materials used in construction, direct labour, borrowing costs incurred during construction, and an appropriate share of directly attributable variable and fixed overheads.

In accordance with Council's policy, the threshold limits detailed in Note 1(k) have been applied when recognising assets within an applicable asset dass and unless otherwise stated are consistent with the prior year.

Revaluation

Subsequent to the initial recognition of assets, non-current physical assets, other than plant and equipment, are measured at their fair value, being the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. At balance date, the Council reviewed the carrying value of the individual classes of assets measured at fair value to ensure that each asset materially approximated its fair value. Where the carrying value materially differed from the fair value at balance date, the class of assets was revalued.

Fair value valuations are determined in accordance with a valuation hierarchy. Changes to the valuation hierarchy will only occur if an external change in the restrictions or limitations of use on an asset result in changes to the permissible or practical highest and best use of the asset. Further details regarding the fair value hierarchy are disclosed at Note 21, Property, infrastructure, plant and equipment. In addition, Council undertakes a formal revaluation of land, buildings, and infrastructure assets on a regular basis ranging from two to

five years. The valuation is performed either by experienced council officers or independent experts.

Where the assets are revalued, the revaluation increments are credited directly to the asset revaluation reserve except to the extent that an increment reverses a prior year decrement for that class of asset that had been recognised as an expense in which case the increment is recognised as revenue up to the amount of the expense. Revaluation decrements are recognised as an expense except where prior increments are included in the asset revaluation reserve for that class of esset in which case the decrement is taken to the reserve to the extent of the remaining increments. Within the same class of assets, revaluation increments and decrements within the year are offset.

Land

As at 30 June 2016 Land assets were revalued, resulting in a credit to the Asset Revaluation Reserve of \$1.17 million.

Art Gallery Works

Art Gallery works were revalued at 30 June 2016, resulting in a credit to the Asset Revaluation Reserve of \$1.38 million.

Buildings and Structures

As at 1 July 2015 Building and structures assets were revalued by APV Valuers and Asset Management Pty Ltd, Public Artwork by Charles Nodrum, Playgrounds and skate parks by Ray Hutchison & Associates and BMX. Tracks by Xrusics Pty Ltd. This process resulted in a credit to the Asset Revaluation Reserve of \$0.58 million, an amount additional to the management adjustment made in the prior financial year, due to the changes in data integrity and asset standard lives since the interim revaluation.

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Notes to the Financial Report For the Year Ended 30 June 2018

NOTE 1 SIGNIFICANT ACCOUNTING POLICIES (CONTD)

() Recognition and measurement of property, plant and equipment, infrastructure, intangibles (cont'd)

Prior Year Newly Recognised/Derecognised Adjustments

During the year, as part of a continuous improvement focus, Council is able to use technology that allows better identification of assets 'as built'. In addition, information flow from officers in the field conveys more accurate data to Asset Managers as variances are discovered. These variances resulted in assets being recognised and derecognised in the Council's asset register and are deemed to be prior year errors which have been retrospectively adjusted to equity against prior year opening balances.

A third balance sheet has not been presented to disclose these prior year errors as they were considered not material to the comparative amounts included within the Balance Sheet.

	Actual	Prior year a	adjustments	Reclassified	Restated
	2015	Newly recognised	Derecognised		2015
	\$'000	\$1000	\$'000	5'000	\$'000
Reads	493,245	141	(25)		493,361
Bridges	58,011		(107)		57,904
Footpaths	24,093	33	S - 2572		24,126
Drainage	69,343	570			69,913
Land	78,668	10			78,678
Landfill Improvements*	695				666
Land under Reads	17,079				17,079
Buildings	75,765				75,785
Recreational, Leisure and Community	15,213	24			15,237
Waste Management	2,896				2,896
Parks Open Space and Streetscapes	16,988	6			16,994
Aerodrames	9,385				9,385
Off Street Car Parks	2,857				2,857
Other Infrastructure	5,365				5,365
Art Gallery	2,003		(4)		1,999
Plant, Machinery and Equipment	5,658				5,658
Fotures, Fittings and Furniture	1,400				1,400
Computers and Telecommunications	778				778
Library Books	1,528				1,528
Work in Progress	6,301				6,301
Property, Infrastructure, Plant and Equipment	887,242	784	(136)	(Q	887,890

"The total effect of the correction of prior year errors for 'newly recognised' and 'derecognised' assets above was \$645,000 - refer Note 1(x). The associated effect on the Accumulated Surplus (\$784,000) and Asset Revaluation Reserve (-\$136,000) are disclosed in the Statement of Changes of Equity.

Land under roads

Council recognises land under reads it controls at fair value.

(k) Depreciation and amortisation of property, infrastructure, plant and equipment and intangibles

Buildings, land improvements, plant and equipment, infrastructure, and effor assols having limited useful lives are systematically depreciated over their useful lives to the Council in a manner which reflects consumption of the service potential embodied in these assets. Estimates of remaining useful lives and residual values are made on a regular basis with major asset classes reassessed annually. Depreciation rates and methods are reviewed annually.

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Notes to the Financial Report For the Year Ended 30 June 2015

(b) Depreciation and amortisation of property, infrastructure, plant and equipment and intangibles (cont'd)

Where assets here separate identifiable components that are subject to regular replacement, these components are assigned dotect useful lives and residual values and a separate depreciation rate is determined for each component.

Road eathworks are not depreciated on the basis that they are assessed as not having a limited useful life.

Dissight line depreciation is charged based on the residual coefful life as determined each year. Depreciation periods used are listed below and are consistent with the prior year unless otherwise stated.

ASSET TYPE	Depreciation Period	Threshold Limit
Property		
Land	4-1-1	AI
Land improvements	5	Al
Duildings		2
Heritage Buildings	20-100 years	>\$10,000
Buildings	25-105 years	>\$10,000
tant and Equipment		
Plant, Machinery and Equipment	3-15 years	>\$3,000
Fadures, Fittings and Furniture	10 years	>\$1,000
Computers and	3 years	>\$1,000
Telecontrunications		
Library Books	10 years	Al
what buildure		
Road Pavements and Seals		
Povements Sealed	100 years	Al
Pawments Gravel (Local Access A and above)	15	AI
Provincents Orawi (Local Access) B	20	Al
and Cr		
- Seals - Urban and Rural	15	All
- Asphat Urban and Rural	30	AI N
Road Sudshukare	Indefeite	All
Poad Kets, Channel and Minur		-
- Road Kerb and Channel	70	Al
- Road Minor Culvets and	100	AJ AJ
Bidges		
- Concreter		
- Deck and Substructure	100	Al
-Flootways and Major Culverts	100	AI AI
+ Timber	100	
-Deck and Substructure	50	Al
Floodways and Major Culverts	100	Al
Foolpaths and Cycleways	184	
+ Asphalt / Ditumen	15	Al
- Concrete / Paved	80	AI
- Crimel / Sand	10	Al
+ Unconstructed	100	Al
Dranage		
-Pump Wels	20	AZ
Other Disinage	20-100	AI
Open Drain - Earth/Relantion	Indefinite	Al
Receational Leisure and	10 - 100 years	>95.000
Convently Facilities	NV - NVV SMIKS	
Waste Management	20 - 100 years	>\$5,000
Parks, Open Space and	50 - 120 years	>\$5,000
Off Street Car Parks	30 - 100 years	>\$5,000
Aerodromes	20 - 120 years	>\$5.000
Intergible Assets		
Landii Aimpace	5 - 38 years	Al
Software	3-10 years	>\$1.000

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Wellington Shire Council

2015/2016 Financial Report

Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 1 SIGNFICANT ACCOUNTING POLICIES (CONTD)

(f) Repairs and Maintenance

Routine maintenance, repair codo, and minor renewal cods are expensed as incurred. Where the repair relates to the replacement of a component of an asset and the cost exceeds the capitalization threshold the cost is capitalised and deprecialed. The carrying value of the replaced asset is expensed.

(in) Impairment of assets

At each reporting date, the Council reviews the camping value of its assets to determine whether there is any indication that these assets have been impaired. If such an indication exists, the recoverable ansard of the asset, being the higher of the asset is the value less costs to sell and value in use, is compared to the assets carrying value. Any excess of the asset, being the higher of the asset is expressed to the comprehensive mome statement, unless the asset is carried at the revolued amount in which case, the impairment loss is recognised directly against the revolued amount in respect of the same class of asset to the extent that the instrument loss does not exceed the amount is involved and annex.

(n) Trust funds and deposits

Anounts received as deposits and retention amounts controlled by Council are recognised as trust funds until they are returned, transferred in accordance with the purpose of the receipt, or forfeited (wher to Note 24).

(b) Berrawings

Barrowings are initially measured at fair value, being the cost of the interest bearing liabilities, net of insecution costs. The measurement bears subsequent to initial recognition depends on whether the Council has categorised as interest-bearing habilities as either financial liabilities designated at fair value through the profit and loss, or financial liabilities at another door. Any difference between the initial recognised amount and the redemption value is recognised in net result over the period of the bornewing using the effective. The clauseficiation depends on the nature and purpose of the interest bearing liabilities at initial incognised amount and purpose of the interest bearing liabilities. The Council determines the clausification of its interest bearing liabilities at initial incognised.

forming carbs

Borowing cests are recognised as an expense in the period in which they are incurred, except where they are capitalised as part of a qualifying asset combuded by Council. Except where specific borowings are obtained for the purpose of specific asset arguisition, the weighted average interest rate applicable to borowings at balance date, excluding borowings associated with superannuation, is used to determine the borowing costs to be capitalised.

Borrowing costs include interest on bank oversitatis, interest on borrowings and finance lasse charges.

(p) Employee costs and benefits

The calculation of employee costs and benefits include all relevant on-costs and are calculated as follows at reporting date.

Weget and seleme and aroual low-

Liabilities for wages and salaries, including non-monetary benefits, annual leave and accumulated sick leave expected to be wholly settled within 12 months of the reporting date are recognised in the provision for engineer benefits in respect of employee services up to the reporting date, classified as current liabilities and measured at their nominal values.

Liabilities that are not expected to be wholly settled within 12 months of the reporting date are recognised in the provision for employee benefits as current liabilities, measured at present value of the amounts expected to be paid when the liabilities are settled using the remumeration rate expected to apply at the time of settlement.

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Notes to the Financial Report

For the Year Ended 30 June 2016

NOTE 1 SIGNIFICANT ACCOUNTING POLICIES (CONTD)

(0) Employee costs and benefits (cont's)

Long sendor leave Liability for long senice leave (LSL) is secognised in the provision for employee benefits.

Current Lability - unconditional LSL is disclosed as a surrent lability even when the council does not expect to settle the lability within 12 months because it will not have the unconditional right to defer settlement of the entitlement should an employee take insee within 12 months

The components of this current liability are measured at

- present value - component that is not expected to be wholly settled within 13 months.

- noninal value - component that is expected to be wholly settled within 12 months.

Classification of amployee costs

Nan-current liability - conditional LSI, that has been accrued, where an employee is jet to reach a qualifying term of employeent, is disclosed as a non-current liability. There is an unconditional right to defer settlement of the entitiement until the employee has completed the regardle years of service.

This non-current USL liability is measured at present value.

Sick Leave Gratuity

A former withy of Welfington Shire Council had established a sick leave gratuity scheme which caused at the end of September 1991. Under the scheme, sick leave is payable to all ex-Shire employees and is not to escared existing benefits as at the end of September 1991, using remuneration rates current at the time of leaving. The employees are extilled to the sick leave gratuity upon their leaving the organization. The amount provided for oppeans as a non-current liability.

(g) Provision for Doubtful Dobts

Council has entensive legal powers for the recovery of rates and property related debts such as general rates and special rates and charges. Therefore any provision is on the basis of the outstanding amount enceeding the matisable recovery amount.

Included in the Provision for Doubtful Debts is an amount relating to land in the 90 Mile Beach inappropriate subdivision. Council has a significant number of rativable properties in this area for which provision has been made for a total amount outstanding of \$2, 188,056 (2015 \$2, 465,928). A provision has been established as these properties are unable to be sold in order for Council to recover the debt.

(r) Landfill rehabilitation provisio

Under Environment Protection Authority (EPA) legislation Council is obligated to resister licensed landfill sites to a particular standard. Current projections have been taken into account in determining when the 3 licensed landfills at Ritmany, Lengford and Maffax will create operation and the limiting of restauation work. The forecast lives of these sites are based on surrent estimates of ensating capacity and the forecast rate of writes in based on surrent understanding if work required to resistate the site to a suitable standard, acceptable to the EPA. Accountingly, the estimation of the provision required is dependent on the accounty of the forecast lives of the site to a suitable standard, acceptable to the EPA. Accountingly, the estimation of the provision required is dependent on the accounty of the forecast living of the work. The volume of work required and related costs.

(b) Lasses

Finance leaped

Leases of assets where substantially all the risks and rewards incidential to swineship of the asset are transferred to the Council are classified as finance leases. Finance leases are capitalised, recording an asset and a lability at the lower of the flar value of the asset and the present value of the minimum lease payments, including any guaranteed residual value. Lease payments are allocated between the reduction of the lease lability and the interest expense. Leased assets are depresided on a straight line basis over their astimated uneful leases to the Council will obtain ownership of the asset or over the term of the leases. Whichever is the shorter. At before date Council did not have any finance leases.

Operating leases

Lease payments for operating leases are required by the accounting standard to be recognized on a straight line basis, rather than expensed in the years in which they are incurred.

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Notes to the Financial Report

For the Year Ended 30 June 2016

NOTE 1 SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

(t) Leases (confid)

Leanshold improvements

Leasehold improvements are recognised at cost and are amortised over the unexpired period of the lease or the estimated coeful life of the improvement, whichever is the shorter. At belience date, Council bed no lease hold improvements.

(D Goods and Barelors Tax (OST)

Revenues, expenses and assets are recognised net of the amount of QST, except where the amount of QST insurred is not recoverable from the Australian Taxation Office. In these circumstances the QST is recognised as part of the cost of acquisition of the asset or as part of an item of the expense. Receivables and payables in the balance sheet are shown inclusive of QST.

We are unable to accurately split the Goods and Services Tax between the different line items of the Statement of Cash Fixed, as this would be impositivable due to the functionality of the financial system. Therefore the cash flows resulting from the Goods and Services Tax have been shown as separate line items in the Statement of Cash Fixed.

(c) Financial guarantees

Financial guarantee contracts are not recognized as a liability in the balance sheet onless the lander has exercised their right to call an the guarantee or Council has after reasons to believe that it is probable that that right will be esercised. Details of guarantees that Council has provided, that are not recognized in the balance sheet are disclosed at Note 30 Contingent Assets and Liabilities.

(v) Contingent assets and contingent liabilities and commitment

Contingent assets and contingent liabilities are not recognized in the Balance Sheet, but are disclosed by way of a note and, if quantifiable, are measured at nominal value. Contingent assets and liabilities are presented inclusive of QST receivable or payable inspectively.

Consistments are not recognised in the Balance Sheet. Commitments are disclosed at their noninal value by way of note and presented inclusive of the GST payoldie.

(a) Pending accounting standards

The following Australian Accounting Standards have been issued and are applicable to the Council but not yet effective. They have not been adopted in preparation of the financial statements at reporting date.

Pronouncement	What's new?	impactil clien	Transition	Effective Date
AASB 15 Prevenue from Contracts with Containers' and AASB 2014-5 Amendments to Australian Accounting Standards attaing from AASB 15	AASIB 15 replaced the previous revenue standards: AASIB118 Revenue and AASIB111 Construction Contracts. AASIB establishes principles for reporting infumation about the nature, amount, timing and uncertainty of revenue and cash flow anising flow, an entity's contracts with customers, with revenue recognised as "performance obligation" are satisfied.	As there is involving a like information analytic (County Services that it is too early to access the impact of the pending standard change	The standard tequers setospective anglessentation,	t January 2018
MASB18 Lesser	AAS9 16 brings all leases onto the balance sheet of the lessees by resigning a 'right of use' asset and a lease lubility	As Pore is involvigable information assistant, Council funite west that if an too early to access the inspact of the pending standard change	Early adoption is permitted if AASB 15 'Revenue from Contracts with Costament' is applied.	1 January 201

(c) Effects of corrections of errors on prior year

These include:

	F 0.00
Newly recognised assets (Note 12)	784
Genecogniced accets (Note 10)	(136)
Total effects of correction of errors	6.42

Rounding

(d) Unliess otherwise stated, amounts in the financial report have been rounded to the newest thousand dollars. Figures in the linancial statement may not equate due to rounding.

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Notes to the Financial For the Year Ended 38 June 2018

NOTE 2 BUDGET COMPARISON

The budget comparison notes compare Council's financial plan, expressed through its annual budget, with actual performance. The Local Government (Planning and Reporting) Regulations 2014 requires explanation of any material variances. Council has adopted a materiality threshold of the lower of 10 percent or \$500,000 where further explanation is warranted. Explanations have not been provided for variations below the materiality threshold unless the variance is considered to be material because of its nature.

The budget figures detailed below are those adopted by Council on 15 June 2015. The Budget was based on assumptions that were relevant at the time of adoption of the Budget. Council sets guidelines and parameters for revenue and expense targets in this budget in order to meet Council's planning and financial performance targets for both the short and long-term. The budget did not reflect any changes to equity resulting from asset revaluations, as their impacts were not considered predictable.

These notes are prepared to meet the requirements of the Local Government Act 1989 and the Local Government (Planning and Reporting) Regulations 2014.

22.42

144.54

a) Income and Expenditure

	"Budget	Actual	Variance	
	2016	2018	2016	
	\$'000	2.000	\$'000	Ref
Income				
Rates and charges	51,373	51,690	317	
Statutory fees and fines	525	406	(59)	1
User fees	5.813	6.410	\$97	2
Grants - operating	13.647	8,046	(5,601)	3
Grants - capital	5,710	6,744	1,034	-4
Contributions - monetary	486	350	(136)	5
Contributions - non monetary		5,934	5,934	6
Net gain((bes) on disposal of property, infrastructure, plant and equipment	236	243	7	
Other income	2,492	3,405	913	7
Tetal income	80,282	83,288	3,006	
Expenses				
Employee costs	24,327	23,748	\$79	
Materials and services	30,400	25,195	5,205	8
Bad and doubtful debts	111	70	41	
Depreciation and emotioation	22,155	21,102	1,053	10
Borrowing costs	731	649	82	11
Other expenses	674	1,323	(649)	12
Total expenses	78,298	72,687	4,311	
Surplusi(defizit) for the year	(84	\$1,201	9,317	
				1.1

*The Budget 2016 figures have been reclassified in order to comply with the Local Government Model Financial Report disclosure requirements.

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Notes to the Financial For the Year Ended 30 June 2018

NOTE 2 BUDGET COMPARISON (CONT'D)

(i) Explanation of material variations

Variance Ref	Nam.	Explanation
1	Statutory Fees & Fines	Income from infringements has fallen short of budget (\$98k); this income is unpredictable and based on community behaviour. Income from registration Sees and permits has also fallen short of budget (\$19k); this income is unpredictable and based on the number of customer requests. Planning and land information certificate free have exceeded budget \$58k.
2	User Fees	Fees raised from commercial lipping were higher than anticipated \$231% due to the larger volume of waste processed during the year 2015/16. A combined services initiative between Wellington Shire Council and East Gippsland Shire has generated additional income \$163% as Council is reimbursed for the information technology service it has provided.
3	Grants - operating	On 30 June 2015 the Commonwealth Government remitted an advance payment of 50% of Council's 2015/16 . Financial Assistance Grant allocation, resulting in an unexpected receipt of \$8.07 million. The revenue was recognised upon receipt in 2014/15 after the budget for 2015/16 was already finalised.
4	Grants - capital	Capital grants are higher than budgeted due to an increase allocation of funding from the Roads to Recovery Program, although a significant portion of this funding will be carried forward to 2016/17, net increases which has been received in 2015/16 is \$1.05 million. In addition, some grant funding originally expected to be received in 19/17 has been received in 2015/16, including Gippsland Regional Sports Complex Stage 2 \$390k and Charles Street Boat Ramp \$350k. The next instalment for the Port of Sale Cultural Hub and Precinct Redevelopment of (\$500k) budgeted to be received in 2015/16, will now be received in 2016/17. The Maxfield Bridge Renewal grant application for (\$295k) was unsuccessful.
5	Contributions - monetary	Delays in residential street construction of scaled roads, kerbs, and channels planned for 2015/16 have subsequently delayed associated owners contributions (\$300k) until 2016/17. Unbudgeted contributions received from other councils for the GLGN shared services business case \$17k is offset by associated expenditure.
6	Contributions - non-exonetary	Non-monetary contributions for 2015/16 consisted mainly of infrastructure assets contributed by developers for new subdivisions (\$5.78 million). Council also recognised gifted and donated assets relating to land acquired under the Wellington Coast Subdivision Strategy Vokintary Assistance Scheme \$15.3k.
7	Other Isoone	Adjustments to non cash entries for newly recognised infrastructure assets equate to \$411k. Interest on short term investments has exceeded budget \$256k mainly due to the receipt of grants in advance and the timing of expenditure during the year. Higher than expected turn over commission and lease capital adjustments from sarawan parks \$150k, and unanticipated insurance recovery for heritage assets \$140k, are partially offset by lower than expected donations towards capital projects (\$250k).
8	Materials & Services	Defensi of the rehabilitation of Kilmany and Longford landfill to 2016/17 and 2017/18 are due to further acceptance of lower risk ratings by EPA resulting in a \$2.33m underspend. The majority of the contribution to the Princess Highway/Cobains Road Intersection Upgrade \$1.48m has been delayed to 2016/17. Savings in utilities charges \$355k is mainly due to the replacement of street lighting with LED luminaries which are more energy efficient and are cheaper to substitute. Savings were also seen in insurances \$147k.
9	Bad & Doubiful Debts	The amount provided for the provision of local laws doubtful debts is \$28k lower than budgeted.
10	Depreciation and amorfisation	Depreciation and anortisation (non cash) is lower due to the impact of the building assets revaluation in 2015/16. The forecast has been revised to reflect the estimated full year impact on building depreciation which is parity offset by an increase in dramage depreciation.
**	Borrowing costs	Borrowing costs were lower then expected due planned borrowings of \$1.80 million to fund the Princes Highway – Cobains Road intersection upgrade being lowered to \$1.30 million and deferred to 2016/17, and planned borrowings of \$1.17 million for the Sale Livestock Exchange Upgrade not being relied upon.
12	Other Expenses	During the year. Council wrote off assets found to be the property of an external party (\$22%) in addition a number of assets which were no longer maintained by Council were derecognised (\$966). NPV rate and cost changes in the calculation of the landfill rehabilitation provision has resulted in a \$32% (non cash) adjustment.

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Weilington Shire Council

2015/2016 Financial Report

Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 2 BUDGET COMPARISON (CONT'D)

b) Capital Works

	Budget 2916	Actual 2916	Variance 2016	
	5'000	5'000	\$'000	Re
Property		0.024	200	
Land	1.52	185	(185)	1
Lond improvements	60	45	- 14	
Total Land	60	231	(171)	
Buildings	4,471	2,028	2,443	2
Total Buildings	4,471	2,028	2,443	
Total Property	4,531	2,259	2,272	
Plant and Equipment				
Plant, machinery and equipment	2,525	2,837	(312)	3
Folures, titings and lumiture	156	203	(47)	
Computers and telecommunications*	122	67	55	
Library books	229	196	33	
Art Works	27	50	(23)	
Total Plant and Equipment	3,059	3,353	(294)	
Infrastructure				
Reads	9,215	9,493	(278)	4
Bridges	2,471	1,515	\$56	5
Footpaths and cycleways	1,154	587	567	6
Dramage	305	132	173	
Recreational, lessure and community facilities	2,435	1,711	725	7
Waste management	690	538	152	
Parks, open space and streetscapes	3,550	1,781	1,769	8
Acodromes	250	175	75	
Off street car parks	200	101	99	
Other infrastructure	2,027	2,139	(112)	
Total infrastructure	22,298	18,172	4,126	
Total Capital Works Expenditure	29,888	23,784	6,104	
Represented by:				
New asset expenditure	305	453	(148)	
Asset renewal expenditure	20,702	16,659	4,043	
Asset expansion expanditure	505	822	(315)	
Assel upgrade expenditure	8,375	5,850	2,525	
Total Capital Works Expenditure	29,888	23,784	6,104	

*This budget comparison excludes Intangibles

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Notes to the Financial Report For the Year Ended 30 June 2016

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NOTE 2 BUDGET COMPARISON (CONT'D)

(i) Explanation of material variations

Variance Ref	Ren	Explanation
1	Lond	Unexpected purchase of land funded from the Asset Improvement Reserve
2	Buildings	The Port of Sale Cultural Hub Redevelopment Project (\$2.63 million) was delayed to due to design and community consultation issues, this is a multi-year project. The Construction contract is to be awarded in August 2015. Final works were completed on the Yamam District Hub \$198k and the Desailty Street - Corporate Headquarters \$66k, these funds were carried forward from the previous financial year.
3	Plant, machinery and equipment	The purchase of two trucks were delayed in 2014/15 due to extended delivery times, these items were both purchased in 2015/16 with carried forward funds.
4	Roade	An additional \$1.05 million of Reads to Recovery grant funding was received in late 2015, several projects were brought forward from future programs to utilise these funds. While Curningham Street Reconstruction (\$531k) has commenced, the Simpson and Pearson Street residential street construction scheme was adopted by Council in April 2016, construction is planned to commence in October 2016. These projects are Special Charge Schemes which have a long lead time due to statutory requirements and require stateholder engagement and approval. The annual rescals program delivered (\$479k) in savings after completion of the programed works. Browens Hill Road reconstruction in Mattina (\$202k) was delayed due to wet weather hampening progress and an additional Roads to Recovery funding allocation increasing the original scope of the project.
5	Bridges	The funding application for Monfelds footbridge (\$570k) was unsuccessful and therefore the project did not commence, another application will be made for in 2015/2017. The Park Street Endge (\$250k) was delayed, this is an auxiliary project to the Part of Sale Cultural Hub Redevelopment and commencement is dependent upon the commencement of the overall procinct development.
6	Foolpaths and cycleways	Within the Foolpaths and Shared Paths annual program (\$333k), expenses for the Queens Steet Roundabout in Mattra was combined with the larger project and moved to Roads. The remaining underspend is minor works on service authority pit lid realignments for Tarraville Road, Port Albert to be completed early 2016/17. The New Shared Paths program (\$249k) was a combination of a few small projects which were all completed below the cost originally estimated.
7	Recreational, leisure and community facilities	The Stephenson Park Power Supply upgrade (\$278k) is a multi year project. The project required extensive consultation with the various user groups to scope up the electricity supply requirements to equitably contribute to orgoing supply charges. The successful electrical contractor installing the lights underestimated the procurement time to obtain and erect the light fowers and lights and the project will overrun by two months. Regional Aquatic Complex - 25M Pool Heating project (\$242k) was delayed and rescoped in accordance with the Aquatic Strategy which was completed in December 2015. Gordon Street Recreation Reserve Clubrooms Redevelopment (\$196k) has design issues which delayed commencement.
t	Parks, open space and streetscapes	The Sale CBD infrastructure Renewal Program (\$750k) was made up of two key projects. Macarthur Street, where na tenders were received the first time this package was advertised and had to be retendered. The Desality, Curninghame, Macalister Street package of works was tendered in May without a successful contractor being appointed. It will new be readvertised. Commercial Read Streetscope Improvements are engoing, the annual budget allocation was 75% spent, with the remainder (\$355k) new expected to be spent in 2016/17. It was delayed due to extensive consultation with the community prior to advertising and awarding a contract. Readate Streetscope projec (\$350k) also required extensive consultation with the community and will be advertised in August 2016. A contract to the Vater Bore & angotion project at the Cameron Sporting Complex (\$178k) was awarded to enable works to be completed December 2015. The contractor performed poorly. The bore was not able to achieve anticipated flow rater and as a result the tore is being reworked.

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Notes to the Financial Report		
For the Year Ended 38 June 2016		
	2016	2015
	2000	\$'008

NOTE 1 RATES AND CHARGES

Council uses Capital Improved Value (CIV) as the basis of valuation of all properties within the municipal district. The CIV of a property is its total land and improvements value.

The valuation base used to calculate general rates for 2015/2018 was \$9,135 million (2014/2015 \$8,965 million). The 2015/2016 general rate in the CIV dollar was 0.005382 (2014/2015, 0.005182) and farm rate 0.0041290 (2014/2015, 0.004145).

General Rates	45,438	44,673
Waste management charge	1,258	2,130
Service rates and charges	1.343	1,242
Supplementary rates and rate adjustments	517	870
Cultural and recreational	24	72
TOTAL RATES AND CHARGES	51,690	49,292

The date of the latest general revaluation of land for rating purposes within the manicipal district was 1 January 2016, and the valuation was first applied in the rating year commencing 1 July 2016.

NOTE 4 STATUTORY FEES AND FINES

NOTE 5

Planning lives	227	220
Land and Building information certificates	116	- 14
Infringements and costs	66	150
Permits	\$7	89
TOTAL STATUTORY FEES AND FINES	456	584
USER FEES		
Waste management services	2,483	2,404
Leisare contres	2,091	2,118
Registration and other permits	735	607
Entertainment Centre	361	378
Other fires and charges	494	343
Emergency Management Works	101	100
Caravan Parks	14	98
Animal Services	81	72
TOTAL USER FEES	6,410	6,113

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	he Financial Report		
For the Ye	iar Ended 38 Juna 2016		
		2916	2015
10101	522302-3	2.00	\$'008
NOTE 6	GRANTS		
	Grants were received in respect of the following		
	Summary of grants		
	Commonwealth funded grants	10,550	20,150
	State funded grants	4,240	6.082
	TOTAL GRANTS	14.710	26,212
			17,014
	Operating Grants		
	Recurrent - Commonwealth Government		
	Metoria Granta Commission	5,952	10,270
	Raids to recovery	95	
	Recurrent - State Government		
	Property Valuation	344	30
	Libraries	305	302
	Pural access and Transport connection	222	223
	Municipal emergency	210	148
	Cultural Services	208	221
	Parks and Environmental services	15	84
	State emergency services	75	75
	School crossing supervisors		n
	Environmental health	60	74
	Fire Service Property Levy	55	53
	Senior citizens	54	51
	Community support programs	35	40
	Other	18	14
	Economic Development		10
	Total recurrent operating grants	7,803	19,673
	Non Recurrent - State Government		
	Community support programs	122	3
	Community and Recreation facilities upgrade	118	308
	Other	21	
	Environmental health	23	23
	Economic Development and Tournum	17	15
	Municipal emergency		135
	Natural disaster funding	(TT)	400
	Parks and Environmental services	-	11
	Wellington coastal subdivision strategy		500
	Total non-recurrent operating grants		1,40
	Total operating grants		21,158
	Contraction of the second s		

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Weilington Shire Council

2015/2016	Financial	Report
-		

	he Financial Report ar Ended 38 June 2016		
	an Constant of South 2018	2016	2015
		5'800	\$'001
NOTE 6	GRANTS (CONTO)		
	Capital Grants		
	Recurrent - Communwealth Government		
	Roads to recovery	4,503	1,627
	Total recurrent capital grants	4,503	1,627
	Noi-vecument - State Geumment		
	Other Infrastructure	663	550
	Recreational leisure and community facilities	470	.819
	Ridges	422	
	Recreational lesure and streetscapes	434	456
	Footpaths and cycleways	54	188
	Waste Management	84	21
	Parks, open space and streets capes	33	119
	Plant, machinery and equipment	24	2
	Library Books	12	10
	Buildings	1. The second	1,484
	Rods		
	Total non-recurrent capital grants	2,345	3,449
	Total capital grants	6,744	5,878
	Unspent grants received on condition that they be spent in a specific manner		
	Ealance at start of year	6.292	6,278
	Received during the triancial year and remained unspert at balance sheet date	1,380	2,868
	Received in prior years and spent during the financial year	(1,754)	(2.854)
	Balance at year end	8,913	6,282
NOTE 7	CONTRIBUTIONS		
	Montary	350	339
	Non-monetary	5,934	1.588
	TOTAL CONTRIBUTIONS	4,214	1,825
	Contributions of non-monetary assets were received in relation to the following asset classes:		
	Land	153	447
	Land under roads	50	12
	Buildings		189
	Infrastructure	5.731	937
	Art Works		
		\$,954	1,585
	Unsparit monetary contributions received on condition that they be sport in a specific manner		
	Balance at start of year	367	226
	Received during the financial year and remained unspent at balance sheet date	47	48
	Received in prior years and spent during the financial year	(97)	(105)
	Balance at year end	<u> </u>	167
NOTE 8	NET GAIN(LOSS) ON DISPOSAL OF PROPERTY, INFRASTRUCTURE, PLANT AND EQUIPMENT		
	Disposal of Plant and Equipment		
	Proceeds of Sale	988	613
	Witten down value of easets disposed	(745)	(790)
	TOTAL NET GANILLOSS) ON DISPOSAL OF PROPERTY, INFRASTRUCTURE, PLANT AND EQUIPHENT	243	(177
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PEQUARS OF UN	Financial Report		
	Ended 38 June 2016		
		2016	2011
		5.000	\$'001
NOTE 9	OTHER INCOME		
	Interest on Investments	1,256	1,251
	Other rent.	#29	602
	Recognition of Assets	411	÷.
	Denations	325	510
	Interest on Debturs	317	325
	Insurance Recovery	190	518
	Miscellaneous locome	25	184
	TOTAL OTHER INCOME	3,405	3,002
NOTE 10(a)	EMPLOYEE COSTS		
	Wages and salaries	10,218	18,043
	Superamution	1,900	1,872
	Cenual staff	1,435	1,166
	WorkCover	541	418
	Other	267	288
	Fringe benefits tax	227	219
	TOTAL EMPLOYEE COSTS	23,748	22,994
NOTE 18(b)	Superannution		
	Council made contributions to the following funds:		
	Defined benefit fund		
	Employer contributions to Local Authonities Superannuation Fund (Vision Super)	222	225
	Employer contributions - other funds	1200 a	- 347
		212	225
	Employer contributions payable at reporting date		4
	Accumulation funds		
	Employer contributions to Local Authorities Superannuation Fund (Vision Super)	1,198	1,092
		534	6.94
	Employer contributions - other funds	229	
	Employer contributions - other funds	1,722	520

Refer to note 32 for further information relating to Council's superannuation obligations

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Notes to th	e Financial Report		
For the Ye	ar Ended 30 Jane 2016		
		2016	2015
		\$1000	\$100
NOTE 11	MATERIALS AND SERVICES		
	Contractors	11,317	12,438
	Materials	6,774	7,075
	Contributions	2,985	3,172
	Ubility Payments	1,937	2,178
	Insurances	904	951
	Authority Fees	940	894
	Consultanta	250	392
	Legal Expenses	86	76
	TOTAL MATERIALS AND SERVICES	25,195	27,175
NOTE 12	BAD AND DOUBTFUL DEBTS		
NUTE 12	BAD AND DOUBTFUL DEBTO		
	Rates Debtors	70	87
	Other Debtors	(2)	- i i
	Infrigements	2	18
	TOTAL BAD AND DOUBTFUL DEBTS	70	107
NOTE 13	DEPRECIATION AND AMORTISATION		
	Infashutare	15.198	14,977
	Property	3.317	5.069
	Plant and Equipment	2,253	2.117
	Total depreciation	20,768	22,163
	intangble assets	334	328
	TOTAL DEPRECIATION AND AMORTISATION	21,102	22,491
	Fielder to note 21 and 22 for a more detailed breakdown of depreciation and amortization charges		
NOTE 14	BORROWING COSTS		
	Interest - Sortpaings	649	765
	TOTAL BORROWING COSTS	649	769
NOTE 15	OTHER EXPENSES		
	Auditors' remuneration - VAGO - audit of the financial statements, performance statement and grant acquittals	51	47
	Auditors' remuneration - Internal	26	36
	Councillors' allowences	291	283
	Operating lease rentals	273	295
	Work in progressfassel wilten of	756	
	Landfill remediation	330	
	Derecognition of assets	.96	m
	TOTAL OTHER EXPENSES		
	TOTAL OTHER EXPENSES	1,323	1,570

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Notes to th	ne Financial Report		
For the Ye	ar Ended 30 June 2016		
		2016	2015
		\$'000	\$100
NOTE 16	CASH AND CASH EQUIVALENTS		
	Cash on hand	5	
	Cash at bank	1,250	6.336
	Term deposits	2.847	18,755
	TOTAL CASH AND CASH EQUIVALENTS	4.102	25,094
	3		
	Councils cash and cash equivalents are subject to enternal restrictions that limit amounts available for		
	disortionary use. These include		
	Trust funds and deposits (Note 24)	629	76
	Unexpended grants and contributions (Note 6 & 7)	1,427	2,914
	Prior years unexpended grants and contributions (Note 6 & 7)	4,603	3,733
	Other non discretionary reserves (Note 27(b))	1.041	845
	Total restricted funds	7,700	8,261
	Total unrestricted cash and cash equivalents	(3.508)	16,835
	Intended allocations		
	Although not externally restricted the following amounts have been allocated for specific future purposes by Councit		
	Cash held to fund carried forward capital workaloperating projects	6,100	4,319
	Cash held in relation to the Victoria Grants Commission advance to fund general operations and roads works		6.073
	Disortionary reserves (Note 27(b))	5.658	8,203
	Total funds subject to intended allocations	11,766	16.595
	In addition to the total cash of \$4.1 million Council has \$40.4 million of funds invested in longer term deposits (greater than \$0 days) which therefore must be recognised as other financial assets. These funds are available to fund any cover amounts required for decretionary use as they fail due .		
NOTE 17	TRADE AND OTHER RECEIVABLES		
	Current		
	Rates debtors	2.962	2,167
	Government grants	1,555	1,790
	Other debtors	604	706

Other debtors	604	206
Provision for doubtful debts - other debtors	*	(1)
Waste management	429	451
Special charge schemes	7	54
Net GST receivable	667	796
Total current trade and other receivables	6,224	5.963
Non- current		
Rates debtors - refer Note 1(s)	3,355	3,633
Provision for doubthal debts - rate debtors refer Note 1(q)	(2,188)	(2,466)
Special charge schemes	232	295
Provision for doubiful debta - special charge scheme	(2)	(2) 52
Other debtors	(7) 15	52
Provision for doubthal debts - other debtors	(P)	(26)
Total non-ournert trade and other receivables	1.427	1,486
TOTAL TRADE AND OTHER RECEIVABLES	7,651	7,449

NOTE 17 TRADE AND OTHER RECEIVABLES (CONT'D)

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Notes to t	he Financial Report		
For the Ye	ar Ended 30 June 2016		
		2016	2011
		\$'000	\$100
1.0	I) Ageing of Receivables	2000000	0.011
- 2	At balance date other debtars representing financial assets were past due but not impaired. These amounts		
	reliate to a number of independent outcomers for whom there is no recent history of default. The ageing of the		
	Council's trade & other receivables (eucluding statutory receivables) was		
		1000	- 200
	Current (not yet due)	2,735	3,080
	Pant due by up to 30 days	22	216
	Past due between 31 and 180 days	12	1.1
	Past due between 181 and 365 days	+ S	2.4
	Part due by more than 1 year	P	10
	Total trade & other receivables	2,769	3,31
	Movement in provisions for doubtful debts		
	Balance at the beginning of the year		
	그렇게 잘 잘 가지? 같은 것은 것은 것은 것은 것을 다 있는 것 같아.	0.00	
	New Provisions recognised during the year		
	Amounts aiready provided for and written off as uncollectible	*15c	Ø
	Amounts provided for but recovered during the year	(1)	
	Balance at end of year		
- 24	:) Ageing of individually impaired Receivables		
	At balance date, other debtore representing financial assets with a nominal value of Nil (2015 Nil) were impaired.		
NOTE 18	OTHER FINANCIAL ASSETS		
	Term Deposits	40.442	19.263
	TOTAL OTHER FINANCIAL ASSETS		10.00
		40,442	19,262
NOTE 19	NON CURRENT ASSETS CLASSIFIED AS HELD FOR SALE	40,442	19,262
NOTE 19	NON CURRENT ASSETS CLASSIFIED AS HELD FOR SALE		19,762
NOTE 19	NON CURRENT ASSETS CLASSIFIED AS HELD FOR SALE Cost of acquisition	218	19,242
NOTE 19	NON CURRENT ASSETS CLASSIFIED AS HELD FOR SALE		19,262
	NON CURRENT ASSETS CLASSIFIED AS HELD FOR SALE Cost of acquisition	218	19,762
	NON CURRENT ASSETS CLASSIFIED AS HELD FOR SALE Cost of acquisition TOTAL NON CURRENT ASSETS CLASSIFIED AS HELD FOR SALE	218	
	NON CURRENT ASSETS CLASSIFIED AS HELD FOR SALE Cost of acquisition TOTAL NON CURRENT ASSETS CLASSIFIED AS HELD FOR SALE OTHER ASSETS	218	19,342
NOTE 19 NOTE 29	NON CURRENT ASSETS CLASSIFIED AS HELD FOR SALE Cost of acquisition TOTAL NON CURRENT ASSETS CLASSIFIED AS HELD FOR SALE OTHER ASSETS Propagments	218 218 355	34

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Notes to the Financial Report For the Tear Ended 30 June 2016

NOTE 21 (a)

PROPERTY, INFRASTRUCTURE, PLANT AND EQUIPMENT

Summary of property, intrastructure, plant and equipment

	At Fair Value 30 June 2016	Accumulated Depreciation	WDV 30 June 2010	A1 Fair Value 30 June 2015	Accumulated Depreciation	WOV 30 June 2015
Land	98,340	664	97,676	96.913	500	96,413
Buildings	126,301	49,935	76.428	126,348	50,583	75,765
Plant and Equipment	24,845	11,758	13,067	22,908	11,605	11,383
Infrastructure	1,057,757	353,284	704,473	1.037.699	339.651	898.048
Work in progress	7,507	(11) (A.)	7.507	6.301	1000	6.301
	1,314,810	415,641	899,108	1.290.229	402,339	847,890
	the second se					

Summary of Nork in Progress

Opening WIP	Additions	Transfers	Write Offs	Closing WP
4,272	4218	(3.705)	80	4781
112	181	(59)		242
1,917	2,369	(1,573)	(229)	2,494
6,301	6,758	(5,325)	(217)	7,507
	4,272 112 1,917	4,272 4,218 112 581 1,917 2,300	4,272 4,218 (3,701) 112 181 (51) 1,917 2,200 (1,572)	4,272 4,218 (3,761) (8) 112 181 (51) - 1,917 2,368 (1,572) (229)

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NOTE 21 (4)

PROPERTY, INFRASTRUCTURE, PLANT AND EQUIPMENT (CONTO)

Land and Buildings

Fair Value 1 July 2015 Accumulated Depunciation at 1 July 2015	Land- spiclafixed \$100 78,668	Land - ten specialised \$700	Land Improvements 57800 1,166 (500) 605	Land Under Roads \$7000 17,079	Total Land \$7000 \$6,913 (\$00) \$6,413	Buildings - specialised \$'900 126,348 (50,584) 75,764	Buildings - non specialted \$800	Total Buildings \$100 126,343 (50,534) 75,764	Work in Progress 5'000 4272 	Total Property \$1000 227,533 (51,014) 175,443
					10,002	10.104		10,114	4471	114,445
Movements in Fair Value										
Acquisition of assets	196	.68	+1	76	345	640	817	757	4,218	5,315
Revaluation increments/decrements	1,154	13			1,967	110	1.4	110	+	1,277
Fair value of assets Disposed	-	+ .	+(-)		100	(1.498)		(1,490)	(8)	(1,546)
Transfers	(109)			29	(94)	844		844	(1.79%)	(3,137)
	1,241	11	+1	105	1,07	(1049)	117	13	509	1,548
Movement in Accumulated Depreciation										
Depreciation and amortisation	+		(154)	+	(1944)	(2,152)	1.1	(3,153)	1	0.217)
Accum Depo Revaluation increments/decrements	- C			-	F	2,210	1.4	2,210		2,218
Accumulated depreciation of disposals		22	+1		1.1	908		103		902
Transfers	÷	+	+			684		684	14	634
		+	(164)	÷	(164)	649	1.4	643	4	445
At this value 30 June 2018	79,905	#1	1,100	17,184	10,340	126,244	117	126,301	4781	229,402
Accumulated depreciation at 30 June 2018		4.5	(664)	1141	(66.4)	(48,935)		(48,835)	1.0	(50,593)
2 가슴 것은 아무가 있는 것이 같은 것이 같은 것이 같다.	79,905	81	502	17,184	\$7,676	78,309	117	76,425	4.781	178,883
								and the second se		

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Notes to the Financial Report For the Year Ended 30 June 2016

10TE 21 (a)

PROPERTY, INFRASTRUCTURE, PLANT AND EQUIPMENT (CONTD)

Plant and Equipment

Pair Value 1 July 2015 Accumulated Depreciation at 1 July 2015	Plant Machinery and Equipment \$10,745 (5.087) 5.858	Fixtures fttSings and Arrelbare \$1000 2,608 (1,208) 1,400	Computers and telecomms \$'000 4.309 (3.537) 778	Library Dooks 9988 3,307 (1,779) 1,520	Art Works \$'899 1.999	Work in Progress \$900 112 112	Total Plant and Equipment \$900 23,000 (11,605) 11,475
Movements in Fair Value	-						
Acquisition of assets	2,838	29	144	197	50	182	3,450
Revolution increments/decrements	1.00		6a.c	200	1,378	- 27	1,378
Fair value of assets Disposed	(2.571)	- 2		(259)		- 29	(2,838)
Transfers		61		+	+	(51)	10
	267	100	144	(62)	1,428	131	2,000
Mexanent in Accumulated Depreciation							
Depreciation and amortization	(1,433)	(250)	(2016)	(261)		÷.	(2,253)
Accumulated depreciation of doposels	1.841	×	4	259	4.5		2,100
	408	(254)	(108)	φ.			(153)
At fair value 20 June 2015	11,012	2,708	4,453	3.245	3.427	243	25,885
Accumulated depreciation at 30 Aure 2018	(4.878)	(1.458)	(1.840)	(1,781)	1.1	- 28	(11,758)
	6.333	1,250	613	1,464	1.427	243	13,330

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Wellington Shire Council

2013/2016 Financial Report

Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 21 (a)

PROPERTY, INFRASTRUCTURE, PLANT AND EQUIPMENT (CONT'D)

Infrastructure

Fair Value 1 July 2015 Accumulated Depreciation at 1 July 2016	Roads \$1986 700,117 (206,754) 483,363	Bridges \$7000 92,101 (34,197) 57,904	Feetpaths and cyclearays \$'966 38.309 (14.173) 24.136	Drainage \$104.035 (34.783) 89,912	Recreational, Isisture and Community \$100 37,437 (22,201) 15,236	Waste Management 17000 4,725 (1,800) 2,856	Parks open space and streetscapes \$500 26,400 (5,400) 16,505	Acceditomes \$1000 14.503 (5.208) 0.305	Off steest car parks 87000 4,210 (1,360) 2,857	0ther Infrastructure \$1000 14,947 (5,582) 5,585	Wark In Progress 1000 1,017	Total Intrastructure \$1000 1,035,617 (238,6512 635,564
Novements in Fair Value						27						
Acquisition of assets	8,629	1,373	1.150	3,560	341		511	100	1.1	2,338	2.368	21,481
Revaluation increments/decrements				· •	159	(287)	40		2.4	175	1000	87
Fair value of assets Disposed	(923)	(1,300)	(132)	(73)	(212)	100	(21)	1.4	1.4	(75)	(228)	(0,165)
Transfers	1,596	2	237	43	835		- 45			1,235	(1,573)	2,221
	10,312	(175)	1,258	1,530	824	(206)	575	105		3,673	567	29,624
Movement in Accumulated Depreciation												
Depreciation and amortication	(10.952)	(1.004)	(871)	(1,196)	(004)	(115)	(\$27)	(240)	(79)	(\$72)	- CX	(15,190)
Accum Depri Revaluation Increments/decrements	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			100	(1.241)	176	(40)	(207)	(25)	(282)		(1.112)
Accumulated depreciation of disposals	845	1.500	132	132	677	27	21			47	18	3,379
Transfers			4	4	+	•		1.4				4
	(9.399)	-01	(734)	(1,030)	(1,198)	88	(995)	(643)	(95)	(908)		(12,633)
At fair value 30 June 2016	710,429	91,926	30,564	108,225	30,361	4,589	27,065	14,752	4,210	10,620	2,484	1,00201
Accumulated depreciation at 30 June 2010	(215.963)	(23,761)	(14,912)	(25,812)	(23,369)	(1.811)	(10,100)	(5.851)	(1.45-0)	(10.190)	÷	(153,284)
	404,465	58,165	24.852	72,412	54.992	2,778	18,905	8,911	2,762	8,430	2,484	786,957

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Notes to the Financial Report For the Year Ended 30 June 2018

NOTE 21(b) PROPERTY, INFRASTRUCTURE, PLANT AND EQUIPMENT (CONT'D)

Valuation of land and buildings

Valuation of buildings were undertaken by a qualified independent valuer APV Valuers & Asset Management - Lachtan Black Registered Valuer No 2913 and Damon Griggs Registered Valuer No 3204. Valuation of land was undertaken by a qualified independent valuer Jonathan Barnett Registered Valuer No 63207.

The valuation of land and buildings is at fair value, being market value based on highest and best use permitted by relevant land planning provisions. Where land use is restricted through existing planning provisions the valuation is reduced to reflect this limitation. This adjustment is an unobservable input in the valuation. The adjustment has no impact on the comprehensive income statement.

Specialised land is valued at fair value using site values adjusted for englobe (undeveloped and/or unserviced) characteristics, access rights and private interests of other parties and entitlements of infrastructure assets and services. This adjustment is an unobservable input in the valuation. The adjustment has no impact on the comprehensive income statement.

Any significant movements in the unobservable inputs for land and land under roods will have a significant impact on the fair value of these asserts.

Details of the Council's land and buildings and information about the fair value hierarchy as at 30 June 2016 are as follows:

	Level 1	Level 2	Level 3
Specialised Land	-		79,909
Land Under Roods	÷		17,184
Land Improvements			502
Buildings		2,458	73,968
Total	2 8	2,458	171,563

Valuation of infrastructure

Valuation of infrastructure assets (roads, bridges, fostpaths and cycleways and drainage) has been determined in accordance with a valuation undertaken by Council Officer Mr Chris Hastle B. Eng. (Civil), Gcert Mgt.

Valuation of infrastructure assets (recreational, leisure and community facilities, waste management, parks, open space and struetscapes, aerodromes and other infrastructure) has been determined in accordance with an independent valuation undertaken by APV Valuers & Asset Management - Lachtan Black Registered Valuer No 2913 and Damon Griggs Registered Valuer No 3204.

The valuation is at fair value based on replacement cost less accumulated depreciation as at the date of valuation.

Datails of the Council's infrastructure and information about the fair value hierarchy as at 30 June 2016 are as follows:

Level 1	Level 2	Level 3
- E	0.9	494,465
+		58,165
		24,652
-	1.1.1.4	72,412
	316	14,676
	5	2,773
20	317	16,588
	18	8,893
		2,762
+	3,184	5,245
	3,549	700,834
	-	- 316 - 5 - 317 - 18 - 3,184

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Notes to the Financial Report For the Year Ended 30 June 2018

NOTE 21(b) PROPERTY, INFRASTRUCTURE, PLANT AND EQUIPMENT (CONT'D)

Description of significant unobservable inputs into level 3 valuations

Specialised land and land under mads is volued using a market based direct comparison technique. Significant unobservable inputs include the extent and impact of restriction of use and the market cost of land per square metre. The extent and impact of restrictions on use varies and results in a reduction to surrounding land values between 5% and 95%. The market value of land values significantly depending on the location of the land and the current market conditions. Currently land values range between \$0.03 and \$18,147.97 per square metre and land under reads values range between \$0.15 and \$1.03 per square metre.

Specialised buildings are valued using a depreciated replacement cost technique. Significant unobservable inputs include the current replacement cost and remaining useful lives of buildings. Current replacement costs are comprised of a square metre basis ranging from \$357 to \$4,437 per square metre. The remaining useful lives of buildings are determined on the basis of the current condition of buildings and vary from 1 year to 100 years. Replacement cost is sensitive to changes in market conditions, with any increase or decrease in cost flowing through to the valuation. Useful lives of buildings are sensitive to changes in expectations or requirements that could either shorten or extend. The useful lives of buildings.

Inhastructure assets are valued based on the depreciated replacement cost. Significant unobservable inputs include the current replacement cost and remaining useful lives of infrastructure. The remaining useful lives of infrastructure asses are determined on the basis of the current condition of the asset and vary from 10 years to indefinite. Replacement cost is sensitive to changes in market conditions, with any increase or decrease in cost flowing through to the valuation. Useful lives of infrastructure are sensitive to changes in use, expectations or requirements that could either shorten or extend the useful lives of infrastructure assets.

	2016 5'000	2015
Reconciliation of specialised land		
Off Street Car Parks	5,559	4,638
Aerodromes	2,899	3,051
Parks/Open Space/Streetscapes	40,636	39,561
Recreation, Leisure & Community Facilities	27,383	28,023
Drainage	793	753
Waste Management	1,606	1,484
Other Infrastructure - Piers/Jetties/Caravan Parks/Markets/Saleyard	1,033	1,158
Total specialised land	79,909	78,668

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Notes to ti	he Financial Report				
C	ar Ended 30 June 2016				
				2016	2015
				\$'000	\$'000
NOTE 22	INTANGIBLE ASSETS				
	Water rights			9	14
	Software			188	317
	Landfill air space			452	570
	TOTAL INTANGIBLE ASSETS			649	901
		Water Right	Software	Landfill	Total
		\$'000	\$'000	\$'000	\$'000
	Gross Carrying amount				
	Balance at 1 July 2014	· · · · ·	1,255	1,942	3,197
	Additions	17	53	40	110
	Assets written off			(503)	(503)
	Balance at 1 July 2015	17	1,308	1,479	2,804
	Additions		82		82
	Balance at 30 June 2016	17	1,390	1,479	2,886
	Accumulated amortisation and impairment				
	Balance at 1 July 2014	a de la compañía de l	769	1,302	2,071
	Amortisation expense	3	222	103	328
	Assets written off	54 ¹¹¹	1.0	(496)	(496)
	Balance at 1 July 2015	3	991	909	1,903
	Amortisation expense	5	211	118	334
	Balance at 30 June 2016	8	1,202	1,027	2,237
	Net book value at 30 June 2015	14	317	570	901
	Net book value at 30 June 2016	9	188	452	649
NOTE 23	TRADE AND OTHER PAYABLES				
	Trade Payables			4,532	5,930
	Accrued Employee Expenses TOTAL TRADE AND OTHER PAYABLES		7	4,678	173
NOTE 24	TRUST FUNDS AND DEPOSITS				
	Trust monies are held for the following purposes:				
	Refundable deposits			307	184
	Fire Services Property Levy			179	280
	Retention wrounts			87	135
				S	

Purpose and nature of items

Other trust funds and deposits

TOTAL TRUST FUNDS AND DEPOSITS

Refundable deposits - Deposits are taken by council as a form of surety in a number of circumstances, including in relation to building works, tender deposits, contract deposits, subdivision deposits and the use of circc facilities.

Fire Services Property Levy - Council is the collection agent for fire services property levy on behalf of the State Government. Council rembs amounts received on a quarterly basis. Amounts disclosed here will be remitted to the state government in line with that process.

Retention Amounts - Council has a contractual right to retain certain amounts until a contractor has met certain requirements or a related warrant or defect period has elapsed. Subject to the satisfactory completion of the contractual obligations, or the elapsing of time, these amounts will be paid to the relevant contractor in line with Council's contractual obligations.

Other Trust funds and deposits - Council holds in trust tickets sales for shows performed by third parties held at the entertainment centre which are on forwarded to performer on completion of the show.

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629

170

769

Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 25 PROVISIONS

		Employee	Landfill restoration	Total
		\$'000	\$'000	\$'000
	2016		****	
	Balance at beginning of the financial year	6.226	2,161	8.387
	Additional Provisions	2,172	2,101	2,172
	Amounts used	(2.236)		(2,236)
	Increase in the discounted amount arising because of time and the effect of any	fareout		ferenal.
	change in the discourt rate	251	328	579
	Balance at the end of the financial year	6,413	2,489	8,902
	2015			
	Belance at beginning of the financial year	5,758	2 027	7,786
	Additional Provisions	2,255	40	2.295
	Amounts used	(1,990)		(1,993)
	Increase in the discounted amount arising because of time and the effect of any	Li'sont	100	[1,000]
	change in the discount rate	205	94	299
	Balance at the end of the financial year	6,226	2,161	8.387
			2016	2015
			\$'000	\$'000
(1)	Employee Provisions			
	Current provisions expected to be wholly settled within 12 months			
	Acrual Lasve		1,359	1,369
	Long Service Leave		471	341
			1,830	1,710
	Current provisions expected to be settled after 12 months			
	Annual Leave		400	340
	Long Service Leave		3,691	3,924
			4,091	4,264
	Total current provisions		5,921	5,974
(a)	Employee Provisions (cont'd)			
	Non Current			
	Long Service Leave		- 491	251
	Sick Leave Gratuity		1	1
	Total non-current provisions		492	252
	Aggregate Carrying amount of Employee Benefits			100 Carl
	Current		5,921	5,974
	Non-Current		492	252
	Total aggregate carrying amounts of employee provisions		6,413	6,226
(b)	Landfill Restoration			
	Current		864	558
	Non-current		1,625	1,603
			2,489	2,161
	Refer to Note 1(r) for further information on Landfill restoration provision.			
	것 같은			

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e Financial Report		
ar Ended 30 June 2016		
INTEREST-BEARING LOANS AND BORROWINGS	2016	2015
	\$'000	\$'000
Current		
Berrowings - secured	1,481	2,990
Non -carrent		
Borrowings - secured	8.656	10,137
TOTAL INTEREST-BEARING LOANS AND BORROWINGS	10,137	13,127
) The maturity profile for Council's borrowings is:		
Not later than one year	1,481	2,990
Later than one year and not later than five years	4,630	5,822
Later than five years	4,026	4,315
	10,137	13,127
Apprepate carrying amount of interest-bearing loans and borrowings:		
Current	1,481	2,990
Non-ourrent	8,656	10,137
	10,137	13,127
	ar Ended 30 June 2016 INTEREST-BEARING LOANS AND BORROWINGS Current Borrowings - secured Non -current Borrowings - secured TOTAL INTEREST-BEARING LOANS AND BORROWINGS The maturity profile for Council's borrowings is: Not later than one year Later than one year Later than one year Later than five years Later than five years	ar Ended 30 June 2016 INTEREST-BEARING LOANS AND BORROWINGS 2016 S1000 Current Borrowings - secured 1,481 Non -current Borrowings - secured 8,655 TOTAL INTEREST-BEARING LOANS AND BORROWINGS 10,137 The maturity profile for Council's borrowings is: Not later than one year 1,481 Later than five years 4,650 Later than five years 1,481 Non-current 1,481 Non-current 1,481 Non-current 1,481 Non-current 1,481

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Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 27 RESERVES

	Balance at beginning of reporting period	Increment (decrement)	Balance at end of reporting period
	5'000	\$'000	5'000
(a) Asset revaluation reserves			
2016			
Property			
Land	73,119	1,083	74,202
Buildings and Structures	71,832	123	71,555
	144,951	1,206	146,157
Infrastructure			
Road	401,836	(74)	401,762
Footpatha	2,738	(33)	2,705
Drainage	36,121	(28)	36,093
Bridgen	19,040	(874)	18,166
	459,735	(1,009)	458,726
Other			
Art Gallery Stock	1,123	1,378	2,501
TOTAL ASSET REVALUATION RESERVES	605,809	1,575	607,384
2015			
Property			
Land	73.414	(295)	73,119
Buildings and Structures	71,544	288	71.832
2000.00000000000	144,958	(7)	144,951
Infrastructure			
Read	402,442	(606)	401,836
Footpathe	2,758	(20)	2,738
Orainage	29,208	6,913	36,121
Bridges	19,875	(835)	19,040
8	454,283	5,452	459.735
Other			
Art Gallery Stock	1,123		1,123
TOTAL ASSET REVALUATION RESERVES	600,364	5,445	\$05,809

The asset revaluation reserve is used to record the increase(net) value of Council's assets over time.

	Balance at beginning of reporting period \$*000	Transfer from accumulated surplus \$1000	Transfer to accumulated surplus \$'000	Balance at end of reporting period \$1000
(b) Other reserves 2016				
Discretionary Reserves				
Asset Improvement	253	45	253	45
Plant Replacement	1,474	603	1,334	743
Waste Managoment	4,476	1,000	605	4,870
Total Discretionary Reserves	6,203	1,648	2,193	5,658

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Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 27 RESERVES (CONT'D)

	Balance at beginning of reporting period \$1000	Transfer from accumulated surplus \$7000	Transfer to accumulated surplus \$100	Balance at end of reporting period
(b) Other reserves				
2916				
Non Discretionary Reserves				
Recreational Land	276	108	29	355
Art Gallery Acquisition		7	5	2
Art Gallery Contribution	1	34	·	35
Leased Property Improvements	568	228	147	649
Total Non Discretionary Reserves	845	377	181	1,041
TOTAL OTHER RESERVES	7,048	2,025	2,374	6,699
2015				
Discretionary Reserves				
Asset improvement	688		435	253
Plant Replacement	1,448	500	474	1,474
Waste Management	3,689	902	115	4,476
Total Discretionary Reserves	5,825	1,402	1,024	6,203
Non Discretionary Reserves				
Recreational Land	335	89	148	276
Art Gallery Acquistion		14	14	
Art Gallery Contribution	33		32	4
Leased Property Improvements	732	48	212	568
Total Non Discretionary Reserves	1,100	151	406	845
TOTAL OTHER RESERVES	6,925	1,553	1,430	7,048

Purpose of Reserves

Discretionary Reserves

Asset Improvement

Reserve to fund capital improvements.

Plant Replacement

Reserve is to fund future purchases of major plant and equipment.

Waste Management

Reserve is to fund the establishment of recycling and transfer stations, rehabilitation of landfills and monitoring of existing and closed landfills, and an increase in landfill capacity in the future.

Non -Discretionary Reserves

Recreational Land

Reserve to fund Mure open space facilities as per Section 18 of Subdivision Act.

Art Gallery Acquisition

Reserve is to fund future approved art gallery acquisitions.

Art Gallery Contributions

Reserve is to fund future specific major art gallery exhibitions.

Leased Property Improvements

Reserve to fund future works on leased properties in accordance with Crown Land Act.

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Notes to the Financial Report For the Year Ended 30 June 2016

		2016 \$'000	2015 \$'000
NOTE 28	RECONCILIATION OF CASH FLOWS FROM OPERATING ACTIVITIES TO SURPLUSI(DEFICIT)		
	Surplus for the period	11,201	12,038
	Depreciation and Amortisation	21,102	22,491
	(Profit)/foss on disposal of property, infrastructure, plant and equipment	(243)	177
	Contributions- Non- monetary	(5,934)	(1,589)
	Borrowing costs	652	772
	Other	(59)	735
	Change in assets and liabilities		
	Decrease in trade and other receivables	(201)	439
	Increase in Other Assets	1,352	(658)
	Decrease in trade and other payables	(1.511)	500
	Increase in other liabilities	(51)	51
	Increase in Provisions	513	601
	NET CASH PROVIDED BY OPERATING ACTIVITIES	26,821	35,557
NOTE 29	RNANCING ARRANGEMENTS		
	Bank overdraft	200	200
	Credit Card facilities	120	120
	Total Facilities	320	320
	Used facilities	29	32
	Unused facilities	229	232

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Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 30 COMMITMENTS

The Council has entered into the following

2016 Operating Waste management Asimal pound & shelter service Nurth Sale souther development plan	Rot later than 1 year \$100 4,477 242 58 107	Later than 1 year and not later than 2 years \$1008 4,437 242	Later than 2 years and not later than 5 years \$990 4,477 454	Later Than 5 years \$1008 - - -	Tutul 1999 13,431 968 58 58
Litter Bires Maternal and Child Health	952				962
L to P Project Software Maintenance	125	125	125		375
TOTAL	6,305	4,865	5,436		16,256

2016 Capital	Not later than 1 year 1760	Later than 1 year and not later than 2 years \$2008	Later than 2 years and not later than 5 years \$2000	Later Bun S years 6'908	Tetui 17000
Bridges					
Buildings	457	+	6 G		453
Footpaths & Cycleways	. 14	+			14
Landfil Improvements	\$14	7		* -	134
Other Infrastructure	101	+	18		101
Farks, open space and streetscapes	445	7		- Q	445
Plant, Machinery & Equipment	39	+		42	29
Recreational leisure and community facilities	-81	+	((e		461
Roads.	2,027	+	1 N.		2.027
Waste Management				-	91
TOTAL	3,735	+	- i¥	- SC	3,735

2015 Operating Winde Management Tourist Information Centre Software Maintenance Antensi Pound and Shelter Service Valuation Centract North Sale outline development plan Linemation	Hat John Then 1 year 1000 4,403 175 224 237 386 53 60	Later than 1 year and not later than 2 years FF000 4,433 175 274 237	Later then 2 years and not been then 3 years 19666 0.805 - 21 210 - 210 -	Later than 3 years 17000 - - - - - - - - - - - - - - - - - -	Total 170400 177,731 350 565 1,964 388 57 60
Maternal and Child Heath	945	863	8	÷.	1,812
L to P Project	125	125	251		501
TOTAL	6,630	6,107	1,847	÷	22,652
2015	Hot later than 1 year	Later than 1 year and not later than 2 years	Later than 2 years and not later than 5 years	Later than 5 years	Total
Capital	\$1000	\$7004	2.000	\$7008	1100
Buildings	1,629	+	6 - ¹ 14	-	1,639
Facipaths & Dycleways	42	+			42
Plant, Machinery & Equipment	850	+		+	650
Reads	813				617
TOTAL	2,548				2,940

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Notes to the Financial Report For the Year Ended 30 June 2016

		2016 \$'000	2015 \$'000
NOTE 31	OPERATING LEASES	\$000	\$000
(7) Operating lease commitments		
	At the reporting date, the Council had the following obligations under non- cancellable operating leases for the lease of equipment and land and buildings		
	for use within Council's activities (these obligations are not recognised as liabilities):		
	Not later than one year	261	253
	Later than one year and not later than five years	739	1,356
	Later than five years	27	31
		1,027	1,640
(b) Operating lease receivables		
	The Council had entered into a commercial property subkase for a portion of it unused office space in the Port of Sale Business Centre. This property was sublet as an operating lease and has now expired.		
	Future minimum rentals receivable under non-cancellable operating leases are as follows		
	Not later than one year	28	6
			6

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Notes to the Financial Report For the Year Ended 30 June 2018

NOTE 32 SUPERANNUATION

The Wellington Shire Council makes the majority of its employer superannuation contributions in respect of its employees to the Local Authorities Superannuation Fund (the Fund). This Fund has two categories of membership, accumulation and defined benefit, each of which is funded differently. Obligations for contributions to the Fund are recognised as an expense in the Comprehensive Income Statement when they are made or due.

Accumulation

The Fund's accumulation categories, Vision My Super/Vision Super Saver, teceives both employer and employee contributions on a progressive basis. Employer contributions are normally based on a fixed percentage of employee earnings (for the year ended 30 June 2016, this was 9.5% as required under Superannuation Guarantee legislation).

Defined Benefit

Wellington Shire Council does not use defined benefit accounting for its defined benefit obligations under the Fund's Defined Benefit category. This is because the Fund's Defined Benefit category is a pooled multi-employer sponsored plan.

There is no proportional split of the defined benefit labilities, assets or costs between the participating employers as the defined benefit abligation is a feating obligation between the participating employers and the only time that the aggregate obligation is affocated to specific employers is when a call is made. As a result, the level of participations of Wellington Shire Council in the Fund cannot be measured as a percentage compared with other participating employers. Therefore, the Fund Actuary is unable to allocate benefit labilities, assets and costs between employers for the purposes of AASB 119.

Funding arrangements

Wellington Shire Council makes employer contributions to the Defined Benefit category of the Fund at rates determined by the Tirustee on the advice of the Fund's Actuary.

As at 30 June 2015, an interim actuarial investigation was held as the Funds provides lifetime pensions in the Defined Benefit category. The vested banefit index (VBI) of the Defined Benefit category of which Council is a contributing employer was 105.8%. To determine the VBI, the fund Actuary used the following long - term assumptions;

Net investment returns 7.0% pa Salary information 4.25% pa Price inflation (CPI) 2.75% pa.

Vision Super has advised that the VBI at 30 June 2016 was 102.0%. The VBI is to be used as the primary funding indicator. Because the VBI was above 100%, the 2015 interim actuarial investigation determined the Defined Benefit category was in a satisfactory financial position and that no change was necessary to the Defined Benefit category's funding arrangements from prior years.

Employer contributions

Regular contributions

On the basis of the results of the 2015 interim actuarial investigation conducted by the Fund Actuary, Council makes employer contributions to the Fund's Defined Benefit category at rates determined by the Fund's Trustee. For the year ended 30 June 2016, this rate was 9.5% of members' salaries (9.5% in 2014/2015). This rate will increase in line with any increase to the contribution rate. In addition, Council reimburses the Fund to cover the excess of the benefits paid as a consequence of retrenchment above the funded resignation or retirement benefit.

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Notes to the Financial Report For the Year Ended 30 June 2018 NOTE 32 SUPERANNUATION (Cont.)

Funding calls

If the Defined Benefit category is in an unsatisfactory financial position at an actuarial investigation or the Defined Benefit category's VBI is below its shortfall limit at any time other than the date of the actuarial investigation, the Defined Benefit category has a shortfall for the purposes of SPS 160 and the Fund is required to put a plan in place so that the shortfall is fully funded within three years of the shortfall occurring. The Fund monitors its VBI on a quarterly basis and the Fund has set its shortfall limit at 97%.

In the event that the Fund Actuary determines that there is a shortfall based on the above requirement, the Fund's participating employers (including Council) are required to make an employer contribution to cover the shortfall. Using the agreed methodology, the shortfall amount is apportioned between the participating employers based on the pre-1 July 1993 and post-30 June 1993 service liabilities of the Fund's Defined Benefit category, together with the employer's payroli at 30 June 1993 and of the date the shortfall has been calculated.

Due to the nature of the contractual obligations between the participating employers and the Fund, and that the Fund includes lifetime pensioners and their revensionary beneficiaries, it is unlikely that the Fund will be wound up. If there is a surplus in the Fund, the surplus cannot be returned to the participating employers. In the event that a participating employer is wound up, the defined benefit obligations of that employer will be transferred to that employer's successor.

2015 Interim actuarial investigation surplus amounts

The Fund a interim actuarial investigation as at 30 June 2015 identified the following in the defined benefit category of which Council is a contributing employer.

A VBI surgius of \$130.8 million; and A total eervice liability surgius of \$239 million.

The VBI surplus means that the market value of the fund's assets supporting the defined benefit obligations exceed the vested benefits that the defined benefit members would have been entitled to if they had all exited on 30 June 2015. The total service liability surplus means that the current value of the posets in the Fund's Defined Benefit category plus expected future contributions exceeds the value of expected future benefits and expenses. Council was notified of the 30 June 2015 VBI during August 2015.

Future superannuation contributions

The expected contributions to be paid to the Defined Benefit category of Vision Super for the year ending 30 June 2017 is \$358,620.

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Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 33 CONTINGENT LIABILITIES AND ASSETS

Contingent Liabilities

Defined Benefit Superannuation Fund

Weilington Shire Council has obligations under a defined benefit superannuation scheme that may result in the need to make additional contributions to the scheme, matters relating to this potential obligation are outlined in Note 32. As a result of the volatility in financial markets the likelihood of making such contributions in future periods exists. At this point in time it is not known if additional contributions will be required, their timing or potential amount.

Landfill Restoration

Council operates 3 licensed landfills at Kilmany, Longford and Maffra and will be required to carry out site rehabilitation works in the future. Council currently has a provision for landfill restoration (refer Note 25 (b)) which is a best estimate at this time. Depending on the exact requirements of the Environment Protection Authority (EPA) Council may have a further lability but at this point the exact amount is unknown. The risk level for the Longford landfill has been determined by the EPA but potential costs are yet to be determined.

Legal Matters

Wellington Shire Council is presently involved in several confidential legal matters, which are being conducted through Council's solicitors.

As these matters are yet to be finalised, and the financial outcomes are unable to be reliably measured, no allowance for these confingencies has been made in the financial statements.

Guarantees for loans to other entities

Council has also guaranteed a loan taken out by a community group, to undertake significant capital works to the Club's facilities that are located on Council land.

Council's estimated liability with respect to contingent items is as follows:

	2016	2015
	\$'000	\$1000
Bank Quarantees	934	934
Loan Guarantees	30	36
Total Bank Guarantees	964	970

Contingent Assets

Non cash contributions expected to be received in respect of subdivision and gifted assets are as follows: Developer Contributions 2,061 2,455
Total Contingent Assets 2,061 2,455

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Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 34 FINANCIAL INSTRUMENTS

(a) Objectives and policies

The Council's principal financial instruments comprise cash assets, term deposits, receivables (excluding statutory receivables), payables (excluding statutory payables) and bank borrowings. Details of the significant accounting policies and methods adopted, including the criteria for recognition, the basis of measurement and the basis on which income and expenses are recognised, in respect of each class of financial asset, financial liability and equity instrument is disclosed in Note 1 of the financial statements. Risk management is carried out by senior management under policies approved by the Council. These policies include identification and analysis of the risk exposure to Council and appropriate procedures, controls and risk minimisation.

(b) Market risk

Market risk is the risk that the fair value or future cash flows of our financial instruments will fluctuate because of changes in market prices. The Council's exposures to market risk is primarily through interest rate risk with only insignificant exposure to other price risks and no exposure to foreign currency risk.

Interest rate risk

Interest rate risk refers to the risk that the value of a financial instrument or cash flows associated with the instrument will fluctuate due to changes in market interest rates. Council does not hold any interest bearing financial instruments that are measured at fair value, and therefore has no exposure to fair value interest rate risk. Cash flow interest rate risk is the risk that the future cash flows of a financial instrument will fluctuate because of changes in market interest rates. Council has minimal exposure to cash flow interest rate risk through its cash and deposits that are at floating rate.

Investment of surplus funds is made with approved financial institutions under the Local Government Act 1989. We manage interest rate risk by adopting an investment policy that ensures:

- diversification of investment product,
- monitoring of return on investment,
- benchmarking of returns and comparison with budget.

There has been no significant change in the Council's exposure, or its objectives, policies and processes for managing interest rate risk or the methods used to measure this risk from the previous reporting period.

Interest rate movements have not been sufficiently significant during the year to have an impact on the CounciPs year end result.

(c) Credit risk

Credit risk is the risk that a contracting entity will not complete its obligations under a financial instrument and cause us to make a financial loss. Council has exposure to credit risk on some financial assets included in our balance sheet. To help manage this risk:

- council have a policy for establishing credit limits for the entities we deal with;

- council may require collateral where appropriate; and

- council only invest surplus funds with financial institutions which have a recognised credit rating specified in our investment policy.
 Receivables consist of a large number of customers, spread across the ratepayer, business and government sectors. Credit risk associated with the Council's financial assets is minimal because the main debtor is secured by a charge over the rateable property.

There are no material financial assets which are individually determined to be impaired.

Council may also be subject to credit risk for transactions which are not included in the balance sheet, such as when we provide a guarantee for another party. Details of our contingent liabilities are disclosed in note 33.

The maximum exposure to credit risk at the reporting date to recognised financial assets is the carrying amount, net of any provisions for impairment of those assets, as disclosed in the balance sheet and notes to the financial statements. Council does not hold any collateral.

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Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 34 FINANCIAL INSTRUMENTS (CONT'D)

(d) Liquidity risk

Liquidity risk includes the risk that, as a result of our operational liquidity requirements or we will not have sufficient funds to settle a transaction when required, we will be forced to settle financial asset at below value or may be unable to settle or recover a financial asset. To help reduce these risks Council:

- have a liquidity policy which targets a minimum and average level of cash and cash equivalents to be maintained,
- have readily accessible standby facilities and other funding arrangements in place;
- have a liquidity portfolio structure that requires surplus funds to be invested within various bands of liquid instruments;
- monitor budget to actual performance on a regular basis; and
- set limits on borrowings relating to the percentage of loans to rate revenue and percentage of loan principal repayments to rate revenue.

The Council's maximum exposure to liquidity risk is the carrying amounts of financial liabilities as disclosed in the face of the balance sheet and the amounts related to financial guarantees disclosed in Note 35, and is deemed insignificant based on prior periods' data and current assessment of risk.

There has been no significant change in Council's exposure, or its objectives, policies and processes for managing liquidity risk or the methods used to measure this risk from the previous reporting period.

With the exception of borrowings, all financial itabilities are expected to be settled within normal terms of trade. Details of the maturity profile for borrowings are disclosed at Note 26.

Unless otherwise stated, the carrying amounts of financial instruments reflect their fair value

(e) Fair value

Fair value hierarchy

Counci's financial assets and liabilities are not valued in accordance with the fair value hierarchy, Counci's financial assets and liabilities are measured at amortised cost.

(f) Sensitivity disclosure analysis

Taking into account past performance, future expectations, economic forecasts, and management's knowledge and experience of the financial markets, Council believes the following movements are 'reasonably possible' over the next 12 months:

- A parallel shift of 0% and -0.5% in market interest rates (AUD) from year-end cash rate of 1.75%. These movements will not have a material impact on the valuation of Council's financial assets and liabilities, nor will they have a material impact on the results of Council's operations.

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Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 35	ADJUSTMENTS DIRECTLY TO EQUITY	2016 \$'000	2015 \$1000
	Reversal of revelued components of assets disposed or written off (transfer from asset	revaluation reserve to accumulated	surplus)
	Land	84	71
	Landfill Air space	· · · ·	224
	Buildings & Structures	451	1,627
	Roads, Streets Drainage, Bridges & Culverts	1,009	633
		1,543	2,555

NOTE 36 RELATED PARTY TRANSACTIONS

(i) Responsible Persons

Names of persons holding the position of a Responsible Person at the Council at any time during the year are:

COUNCILLORS Councillor Carolyn Crossley Mayor (1/7/15 - 4/11/15) Councillor John Duncan Councillor Patrick Molver Councillor Bob Wenger Councillor Pater Cleany Councillor Pater Cleany Councillor Emilie Davine Councillor Malcolm Hole Councillor Damen McCubbin - Mayor (5/11/15 - 30/6/16) Councillor Scott Research

CHIEF EXECUTIVE OFFICER David Morcom

(ii) Remuneration of Responsible Persons

The numbers of Responsible Officers whose total remuneration from Council and any related entities fail within the following bands:

		2016	2015
		No.	No.
Income Range:			
\$1 -	\$ 9,999		÷.
\$ 10,000 - 3	\$ 19,999		1.5
\$ 20,000 - 1	\$ 29,999	7	7
\$30,000 - 1	\$ 39,999		1.0
\$40,000 - 3	5 49,999	1	1
\$50,000 - 3	\$ 59,999	1 × 1	5÷
\$60,000 - 3	\$ 69,999	1	i
\$70,000 - 1	\$ 79,999		
\$260,000 - 1	\$269,999		1.5
	\$289.999		1
\$290,000 - 1	\$299,999	1	-
		10	10
		\$'000	\$'000
Total Remuneration for 8	te reporting year for Responsible Persons included above amounted to	589	566

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Notes to the Financial Report For the Year Ended 30 June 2016

NOTE 35 RELATED PARTIES (CONT'D)

(iii) Senior Officers Remuneration

A Senior Officer other than a Responsible Person, is an officer of Council who:

(a) has management responsibilities and reports directly to the Chief Executive Officer; or

(b) whose total annual remuneration exceeds \$139,000

The number of Senior Officers other than the Responsible Persons, are shown below in their relevant income bands:

	2016	2015
Income Range:	No.	No.
<\$138,999	1	1
\$140,000 - \$149,999		
\$150,000 - \$159,999	•	1
\$160,000 - \$169,999	1	1.00
\$180,000 - \$189,999	1.00	1
\$190,000 - \$199,999	4	2
		6
	\$'000	\$'000
Total Remuneration for the reporting year for Senior Officers included above, amounted to:	1,024	945

(iv) Responsible persons retirement benefits

The aggregate amount paid during the reporting period by Council in connection with the retirement of responsible persons was SNL (2015 - SNI)

(v) Loans to responsible persons

The aggregate amount of loans in existence at balance date that have been made, guaranteed or secured by the council to a responsible person of the council, or a related party of a responsible person was N4 (2014/15 Nil)

(vi) Transactions with responsible persons

During the period Council entered into transactions with responsible persons or related parties of responsible persons, which occurred within a normal employee, customer or supplier relationship and at arm's length, including provision of transport services, production of shows at the Esso BHP Billion Wellington Entertainment Centre, and contribution towards a maintenance of public hall.

NOTE 37 EVENTS OCCURRING AFTER BALANCE DATE

No matters have occurred after balance date that require disclosure in the financial report.

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CERTIFICATION OF FINANCIAL STATEMENTS

In my opinion the accompanying linancial statements have been prepared in accordance with the Local Government Act 1969, the Local Government (Planning and Reporting) Regulations 2014, Australian Accounting Standards and other mandatory professional reporting requirements.

PRINCIPAL ACCOUNTING OFFICER Ian Carroll CPA

Dated : Sale

In our opinion the accompanying financial statements present fairly the financial transactions of Wellington Shire Council for the year ended 30 June 2016 and the financial position of the Council as at that date.

As at the date of signing, we are not aware of any circumstances which would render any particulars in the financial statements to be misleading or inaccurate.

We have been authorised by the Council and by the Local Government (Planning and Reporting) Regulations 2014 to certify the financial statements in their final form.

COUNCILLOR Peter Cleary

Dated : Sale COUNCILLOR John Duncan

Dated Sale

CHIEF EXECUTIVE OFFICER David Morcom

Dated : Sale

AUDITOR-GENERAL'S REPORT 2 pages

AUDITOR-GENERAL'S REPORT 2 pages

Meeting Agenda - Ordinary Meeting 6 September 2016



WELLINGTON SHIRE COUNCIL

Performance Statement

For the year ended 30 June 2016

Performance Statement

For the year ended 30 June 2016

Description of municipality

Wellington Shire is the third largest municipality in Victoria, covering an area of 10,924 square kilometres in Central Gippsland, and includes the internationally significant Gippsland Lakes and Wetlands and the Ninety Mile Beach.

With a population of 41,440* Wellington Shire Council comprises a wide variety of industry and business contributing to the local economy including mining, offshore oil and gas extraction, primary production and agriculture, tourism and service industries, manufacturing and construction, retail, healthcare, education, arts and recreation and community services. In addition, RAAF Base East Sale is a major air and ground training base and home to the famous Roulettes, Central Flying School, the Officers' Training School and the schools of Air Warfare and Air Traffic Control.

*2011 Census

Sustainable Capacity Indicators

For the year ended 30 June 2016

	Results		
Indicator/measure	2015	2016	Material Variations
Population Expenses per head of municipal population [Total expenses / Municipal population]	\$1,776,84	1,717,79	No material variations
Infrastructure per head of municipal population [Value of infrastructure / Municipal population]	\$18,726.79	\$19,099.08	No material variations
Population density per length of road [Municipal population / Kilometres of local roads]	13.61	13.52	No material variations
Own-source revenue Own-source revenue per head of municipal population [Own-source revenue / Municipal population]	51,394.98	\$1,475.59	Additional own source revenue received in 2015/16 included revenue from new animal registration fees, revenue from a combined service agreement with East Gippsland Shire Council and increased commercial tipping fees.
Recurrent grants Recurrent grants per head of municipal population [Recurrent grants / Municipal population]	\$503.46	\$293.24	On 30 June 2015, the Commonwealth Government remitted an advance payment of \$6.07 million for the 2015/16 Financial Assistance Grants, which overstated the 2014/15 indicator and also results in a corresponding understatement of the 2015/16 indicator.
Disadvantage Relative socio-economic disadvantage [Index of Relative Socio- economic Disadvantage by decile]	4	4	Wellington Shire ranks in the fourth decile in Victoria. The first decile indicates the most disadvantaged and the tenth decile indicates the least disadvantaged.

Definitions

"adjusted underlying revenue" means total income other than:

(a) non-recurrent grants used to fund capital expenditure; and

(b) non-monetary asset contributions; and

(c) contributions to fund capital expenditure from sources other than those referred to above

"infrastructure" means non-current property, plant and equipment excluding land

"local road" means a sealed or unsealed road for which the council is the responsible road authority under the Road Management Act 2004

"population" means the resident population estimated by council

"own-source revenue" means adjusted underlying revenue other than revenue that is not under

the control of council (including government grants)

"relative socio-economic disadvantage", in relation to a municipality, means the relative socioeconomic disadvantage, expressed as a decile for the relevant financial year, of the area in which the municipality is located according to the Index of Relative Socio-Economic Disadvantage (Catalogue Number 2033.0.55.001) of SEIFA

"SEIFA" means the Socio-Economic Indexes for Areas published from time to time by the Australian Bureau of Statistics on its Internet website

"unrestricted cash" means all cash and cash equivalents other than restricted cash.

Service Performance Indicators

For the year ended 30 June 2016

S 202200	ults	2 * 8235 Scitters (1996)	
Service/indicator/measure	2015	2016	Material Variations
Aquatic facilities Utilisation			
Utilisation of aquatic facilities [Number of visits to aquatic facilities / Municipal population]	4.55	4.75	WSC Combined visits to aquatic facilities for 2015-16 (to Heyfield, Maffra, Rosedale, Stratford and Yarram outdoor pools) and (Sale) indoor aquatic facility was 199,337 from an estimated population of 41,965. This equates to an average of almost five visits per Wellington Shire resident for the year.
Animal management			
Health and safety Animal management prosecutions [Number of successful animal management prosecutions]	11	4	During 2015-16, Council undertook 4 animal management prosecutions, all of which were successful. The relatively low number of animal prosecutions undertaken by Council indicates the effectiveness of its animal management education program.
Food safety			
Health and safety Critical and major non- compliance notifications [Number of critical non- compliance notifications and major non-compliance notifications about a food premises followed up / Number of critical non-compliance notifications and major non- compliance notifications about food premises] x 100	100%	100%	Council is committed to minimising threats to public health and has developed a proactive health promotions and education program for major-noncompliance food premises.
Governance Satisfaction			
Satisfaction with council decisions [Community satisfaction rating out of 100 with how council has performed in making decisions in the interest of the community]	58	56	Council's participation in the 2015 Community Satisfaction Survey showed a 56% community satisfaction rating with the way Council has performed in making decision in the interests of the community. Though there is a slight decline in this rating, Council is still performing 6 points higher than large rural average and 2 points higher compared to State wide average.

	Street and a second state of the second state	ults	
Servicelindicatorimeasure	2015	2016	Material Variations
Libraries Participation Active library members [Number of active library members / Municipal population] x100	15.41%	13.42%	Wellington Shire Libraries offer a broad range of popular programs including author talks, baby rhyme times, and toddler story time and school holiday programs. These are well attended by library members and non-members within the municipality. It is anticipated that active library membership will increase in 2016-17 with alignment with SWIFT consortia providing access for our patrons to over 2.5 million items.
Roads Satisfaction Satisfaction with sealed local roads [Community satisfaction rating out of 100 with how council has performed on the condition of sealed local roads]	52	53	Results from the 2015 Community Satisfaction Survey show an increase in residents' satisfaction rating for Wellington Shire's sealed local roads to 53% which is significantly higher than the average for similar Large Rural Councils.
Statutory Planning Decision making Council planning decisions upheld at VCAT [Number of VCAT decisions that did not set aside council's decision in relation to a planning application / Number of VCAT decisions in relation to planning applications] x100	100%	100%	In 2015/16 two planning application decisions were subject to a review by VCAT and, in both instances, Councif's decision was upheld.
Waste Collection Waste diversion Kerbside collection waste diverted from landtill [Weight of recyclables and green organics collected from kerbside bins / Weight of garbage, recyclables and green organics collected from kerbside bins] x100	34.61%	32.10%	Over 3,400 tonnes of recycling waste was diverted from landfill in 2015/16 which is a slight decrease compared to 2014/15. That's an average of 179 kg of recycling waste per household in Wellington Shire.

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Definitions

"Aboriginal child" means a child who is an Aboriginal person

"Aboriginal person" has the same meaning as in the Aboriginal Heritage Act 2006

"active library member" means a member of a library who has borrowed a book from the library "annual report" means an annual report prepared by a council under sections 131, 132 and 133 of the Act

"CALD" means culturally and linguistically diverse and refers to persons born outside Australia in a country whose national language is not English

"class 1 food premises" means food premises, within the meaning of the Food Act 1984, that have been declared as class 1 food premises under section 19C of that Act

"class 2 food premises" means food premises, within the meaning of the Food Act 1984, that have been declared as class 2 food premises under section 19C of that Act

"Community Care Common Standards "means the Community Care Common Standards for the delivery of HACC services, published from time to time by the Commonwealth

"critical non-compliance outcome notification" means a notification received by council under section 19N(3) or (4) of the Food Act 1984, or advice given to council by an authorized officer under that Act, of a deficiency that poses an immediate serious threat to public health "food premises" has the same meaning as in the Food Act 1984

"HACC program" means the Home and Community Care program established under the Agreement entered into for the purpose of the Home and Community Care Act 1985 of the Commonwealth

"HACC service" means home help, personal care or community respite provided under the HACC program

"local road" means a sealed or unsealed road for which the council is the responsible road authority under the Road Management Act 2004

"major non-compliance outcome notification" means a notification received by a council under section 19N(3) or (4) of the Food Act 1984, or advice given to council by an authorized officer under that Act, of a deficiency that does not pose an immediate serious threat to public health but may do so if no remedial action is taken

"MCH" means the Maternal and Child Health Service provided by a council to support the health and development of children within the municipality from birth until school age "population" means the resident population estimated by council

"target population" has the same meaning as in the Agreement entered into for the purposes of the Home and Community Care Act 1985 of the Commonwealth

"WorkSafe reportable aquatic facility safety incident" means an incident relating to a council aquatic facility that is required to be notified to the Victorian WorkCover Authority under Part 5 of the Occupational Health and Safety Act 2004.

Financial Performance Indicators

For the year ended 30 June 2016

	Res	ults		Fore	casts		
Dimension/Indicator/meas	2015	2016	2017	2018	2019	2020	Material Variations
Efficiency Revenue level Average residential rate per residential property assessment [Residential rate revenue / Number of residential property assessments]	\$1,114.95	1,177.97	\$1,251.13	\$1,305.15	\$1,370.65	\$1,434.12	A higher than expected number of supplementary valuations relating to residential properties were processed in 2015/16 compared to 2014/15 resulting in additional rates and charges raised. This increase was partly offset by a number of vacant blocks transferred to Council as part of the Wellington Coastal Strategy Voluntary Assistance program.
Expenditure level Expenses per property assessment [Total expenses / Number of property assessments]	\$2,181.33	2,103.93	\$2,322.26	\$2,378.07	\$2,424.99	\$2,472.12	This measure is forecast to increase by \$150 pe assessment by 2020. This increase reflects the inclusion of a CPI increase over the period with 2016/17 impacted by large one – off projects. Council is well below other similar councils for expenses per property assessments.
Workforce turnover Resignations and terminations compared to average staff [Number of permanent staff resignations and terminations / Average number of permanent staff for the financial year] x100	9.39%	13.14%	10.95%	10.00%	10.00%	10.00%	Slight increase in resignations and terminations in 2015-16 due to a higher number of planned retirements and couple of redundancies as a result of review in positions Four full time staff who converted into casuals are also included in the result as casual positons are excluded from the calculation. Long term average for number of resignations and terminations is approximately 30 per year or 10%. No increase in staff numbers are anticipated in forecast based on current organisational structure.

in a set of the set	Res	ults	2 222-22	Fore	casts	222242.7	21 (J.M. 1996) 1140
Dimension/indicator/meas	2015	2016	2017	2018	2019	2020	Material Variations
Liquidity Working capital Current assets compared to current liabilities [Current assets / Current liabilities] x100	321.14%	382.82%	286.78%	300.53%	250.42%	269.83%	Council's liquidity has improved ahead of a planned increase in capital works for 2016/17. Project timing has seen deferral of commitment and reduced creditors at balance date.
Unrestricted cash Unrestricted cash compared to current liabilities [Unrestricted cash / Current liabilities] x100	156.80%	226.46%	229.29%	240.00%	201.78%	221.96%	Conditional grants unspent are \$6.7 million lowe from 2015 resulting in increased unrestricted cash in 2016. Payables and loan balances are also lower than the prior year.
Obligations Asset renewal Asset renewal compared to depreciation	69.40%	80.21%	137.33%	90.37%	109.75%	122.23%	The improvement in this measure recognises Council's emphasis on reducing the asset
[Asset renewal expenses / Asset depreciation] x100							renewal gap, which is being assisted by successful receipt of grant funding for projects a Yarram Streetscape renewal (completed 2015/16), Port of Sale Precinct (commenced 2015/16 and expected completion in 2017/18) and increased renewal of roads and bridges (funded by increased Roads to Recovery allocation).
Loans and borrowings Loans and borrowings compared to rates [Interest bearing loans and borrowings / Rate revenue] x100	26.58%	19.61%	19.75%	18.86%	19.33%	15.03%	This reduction in this measure relates to Counci not requiring 2015/16 proposed borrowings of \$1.89 million and deferring \$1.3 million to 2016/17. Over the next four years Council will continue to construct a number of key residentia street schemes, funded by borrowings which will be repaid over time by ratepayers benefiting from the works.

	Res	ults	11 05080	Fore	casts	13,0001	2.0 SSP2 02503 2 2 2 2
Dimension/indicator/meas	2015	2016	2017	2018	2019	2020	Material Variations
Loans and borrowings Loans and borrowings repayments compared to rates [Interest and principal repayments on interest bearing loans and borrowings / Rate revenue] x100	7.33%	7.05%	3.69%	2.58%	1.78%	6.78%	Existing Council loans will be progressively repaid over the next four years.
Indebtedness Non-current liabilities compared to own source revenue [Non-current liabilities / Own source revenue] x100	20.36%	17.40%	18.37%	18.25%	14.02%	14.55%	The reduction in this measure mainly results from an increase in 2015/16 own source revenue associated with new sources of income and increased rates and charges and commercial tipping fees, along with a minor decrease in non- current liabilities (reduced loan payments). This measure compared to other similar Council's (2015 31.34%) is significantly lower indicating Council is in a strong position to cover non- current liabilities.
Operating position Adjusted underlying result Adjusted underlying surplus (or deficit) [Adjusted underlying surplus (deficit)/ Adjusted underlying revenue] x100	8.46%	3.63%	9.94%	1.99%	5.00%	5.69%	The fluctuation between 2015 and 2016 is the result of the early receipt of 2015/16 funds in 2014/15. This measure is predicted to rise in2015/16 due to additional Roads to Recovery funding.

22 10 10 10 10 10	Res	ults		Fore	casts	1.000		
Dimension/indicator/meas	2015 2016		2017	2018	2019	2020	Material Variations	
Stability Rates concentration Rales compared to adjusted underlying	60.27%	69.10%	62.54%	69.00%	68.45%	69.36%	This measure has also been impacted by the unexpected receipt of funding in 2014/15,	
revenue [Rate revenue / Adjusted underlying revenue] x100 Rates effort							generating higher than expected adjusted underlying revenue for 2015.	
Rates compared to property values [Rate revenue / Capital improved value of rateable properties in the municipality] x100	0.54%	0.56%	0.56%	0.58%	0.59%	0.61%	This measure is forecast to remain steady over the next four years.	

Definitions

"adjusted underlying revenue" means total income other than:

(a) non-recurrent grants used to fund capital expenditure; and

(b) non-monetary asset contributions; and

(c) contributions to fund capital expenditure from sources other than those referred to above

"adjusted underlying surplus (or deficit)" means adjusted underlying revenue less total expenditure

"asset renewal expenditure" means expenditure on an existing asset or on replacing an existing asset that returns the service capability of the asset to its original capability

"current assets" has the same meaning as in the Australian Account Standards (AAS)

"current liabilities" has the same meaning as in the AAS

"non-current assets" means all assets other than current assets

"non-current liabilities" means all liabilities other than current liabilities

"non-recurrent grant" means a grant obtained on the condition that it be expended in a specified manner and is not expected to be received again during the period covered by a council's Strategic Resource Plan

"own-source revenue" means adjusted underlying revenue other than revenue that is not under the control of council (including government grants

"population "means the resident population estimated by council

"rate revenue" means revenue from general rates, municipal charges, service rates and service charges

"recurrent grant "means a grant other than a non-recurrent grant

"residential rates" means revenue from general rates, municipal charges, service rates and service charges levied on residential properties

"restricted cash" means cash and cash equivalents, within the meaning of the AAS, that are not available for use other than for a purpose for which it is

restricted, and includes cash to be used to fund capital works expenditure from the previous financial year

"unrestricted cash" means all cash and cash equivalents other than restricted cash.

Other Information

For the year ended 30 June 2016

1. Basis of preparation

Council is required to prepare and include a performance statement within its annual report. The performance statement includes the results of the prescribed sustainable capacity, service performance and financial performance indicators and measures together with a description of the municipal district and an explanation of material variations in the results. This statement has been prepared to meet the requirements of the Local Government Act 1989 and Local Government (Planning and Reporting) Regulations 2014.

Where applicable the results in the performance statement have been prepared on accounting bases consistent with those reported in the Financial Statements. The other results are based on information drawn from council information systems or from third parties (e.g. Australian Bureau of Statistics).

The performance statement presents the actual results for the current year and for the prescribed financial performance indicators and measures, the results forecast by the council's strategic resource plan. The Local Government (Planning and Reporting) Regulations 2014 requires explanation of any material variations in the results contained in the performance statement. Council has adopted materiality thresholds relevant to each indicator and measure and explanations have not been provided for variations below the materiality thresholds unless the variance is considered to be material because of its nature.

The forecast figures included in the performance statement are those adopted by council in its strategic resource plan on 21 June 2016 and which forms part of the council plan. The strategic resource plan includes estimates based on key assumptions about the future that were relevant at the time of adoption and aimed at achieving sustainability over the long term. Detailed information on the actual financial results is contained in the General Purpose Financial Statements. The strategic resource plan can be obtained by contacting council.

Certification of the Performance Statement

In my opinion, the accompanying performance statement has been prepared in accordance with the Local Government Act 1989 and the Local Government (Planning and Reporting) Regulations 2014.

Ian Carroll CPA Principal Accounting Officer Dated:

In our opinion, the accompanying performance statement of the (council name) for the year ended 30 June 2016 presents fairly the results of council's performance in accordance with the Local Government Act 1989 and the Local Government (Planning and Reporting) Regulations 2014.

The performance statement contains the relevant performance indicators, measures and results in relation to service performance, financial performance and sustainable capacity.

At the date of signing, we are not aware of any circumstances that would render any particulars in the performance statement to be misleading or inaccurate.

We have been authorised by the council and by the Local Government (Planning and Reporting) Regulations 2014 to certify this performance statement in its final form.

Councillor Peter Cleary Dated:

Councillor John Duncan Dated:

Chief Executive Officer David Morcorn Dated:

ITEM C2.3

RE-APPOINTMENT OF THE CHIEF EXECUTIVE OFFICER

DIVISION: ACTION OFFICER: DATE:

CORPORATE SERVICES GENERAL MANGER CORPORTATE SERVICES 6 SEPTEMBER 2016

	IMPACTS									
Financial	Communication	Legislative	Council	Council	Resources	Community	Environmental	Consultation	Risk	
			Policy	Plan	& Staff				Management	
\checkmark	✓	✓	✓	~	✓	✓	\checkmark	~	✓	

OBJECTIVE

For Council to re-appoint David Morcom as Council's Chief Executive Officer for a period of 5 years from 30 January 2017 to 29 January 2022.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That:

- 1. Council re-appoint DAVID MORCOM as Council's Chief Executive Officer for a period of 5 years from 30 January 2017 to 29 January 2022; pursuant to section 94(4) of the Local Government Act 1989 and in accordance with the public notice published in the Gippsland Times on 23 August 2016, the Yarram Standard on 24 August 2016 and the Council's website on 23 August 2016.
- 2. Council authorise the Mayor to finalise the contract of employment (draft contract attached as a Confidential document item F1.1) with DAVID MORCOM, inclusive of annual Enterprise Agreement increases, before 9 September 2016.
- **3.** In accordance with section 94(6) of the Local Government Act 1989, details of DAVID MORCOM's total remuneration as Chief Executive Officer under the new contract of employment, be made available for public inspection within 14 days following approval of this recommendation.

BACKGROUND

In accordance with sections 94 and 95A of the *Local Government Act 1989*, DAVID MORCOM was appointed as Council's Chief Executive Officer from 30 January 2012 to 29 January 2017. Section 94(4) of the *Local Government Act 1989* enables a Council to pass a resolution to reappoint its incumbent Chief Executive Officer without the requirement to externally advertise the position. The resolution must be passed in the 6 months immediately before the Chief Executive Officer's contract is due to expire.

OPTIONS

Council has the following options:

- 1. Re-appoint David Morcom as Council's Chief Executive Officer for a period of 5 years, from 30 January 2017 to 29 January 2022.
- 2. Not re-appoint David Morcom as Council's Chief Executive Officer at this point in time.

PROPOSAL

That :-

- Council re-appoint DAVID MORCOM as Council's Chief Executive Officer for a period of 5 years from 30 January 2017 to 29 January 2022; pursuant to section 94(4) of the *Local Government Act 1989* and in accordance with the public notice published in the Gippsland Times on 23 August 2016, the Yarram Standard on 24 August 2016 and the Council's website on 23 August 2016.
- Council authorise the Mayor to finalise the contract of employment (draft contract attached as a Confidential document - item F1.1) with DAVID MORCOM, inclusive of annual Enterprise Agreement increases, before 9 September 2016.
- 3. In accordance with section 94(6) of the *Local Government Act 1989*, details of DAVID MORCOM's proposed total remuneration as Chief Executive Officer under the new contract of employment, be made available for public inspection within 14 days following approval of this recommendation.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

COMMUNICATION IMPACT

A public notice was published in the Gippsland Times on 23 August 2016, the Yarram Standard on 24 August 2016 and the Council's website on 23 August 2016 pursuant to section 94(4) of the *Local Government Act 1989*, advising that Council intends to re-appoint DAVID MORCOM as Council's Chief Executive Officer.

In accordance with section 94(6) of the *Local Government Act 1989*, details of DAVID MORCOM's total remuneration as Chief Executive Officer under the new contract of employment, will be made available for public inspection within 14 days following approval of this recommendation.

LEGISLATIVE IMPACT

Section 94(4) of the *Local Government Act 1989* enables a Council to pass a resolution to reappoint its incumbent Chief Executive Officer without the requirement to externally advertise the position. The resolution must be passed in the 6 months immediately before the Chief Executive Officer's contract is due to expire.



C3 - REPORT

GENERAL MANAGER DEVELOPMENT

ITEM C3.1

WELLINGTON AND EAST GIPPSLAND SHIRE'S DOMESTIC WASTEWATER MANAGEMENT PLAN (DWMP)

DIVISION: ACTION OFFICER: DATE:

MANAGER MUNICIPAL SERVICES

6 SEPTEMBER 2016

DEVELOPMENT

	IMPACTS											
Financial	Communication	Legislative	Council	Council	Resources	Community	Environmental	Consultation	Risk			
			Policy	Plan	& Staff				Management			
✓				\checkmark		~		~				

OBJECTIVE

The purpose of this report is for Council to formally adopt the Wellington and East Gippsland Shire's Domestic Wastewater Management Plan (DWMP) 2016.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That Council adopt the Wellington and East Gippsland Shire's Domestic Wastewater Management Plan 2016 (provided at Attachment 1).

BACKGROUND

The Wellington and East Gippsland Shire's Domestic Wastewater Management Plan (DWMP) is a strategic document which seeks to address domestic wastewater management issues within the municipalities of Wellington and East Gippsland. The Wellington and East Gippsland DWMP has developed appropriate strategies and actions to prevent and/or minimize the impacts of domestic wastewater management issues. Further it will mitigate the potential risks to public health and the environment that can result from the treatment and disposal of domestic wastewater.

The primary purpose of developing a new Wellington and East Gippsland Shire's DWMP is to update the existing DWMP to meet the revised Ministerial Catchment Guidelines 2012, and to meet Council's responsibilities under the provisions of the *Environmental Protection Act 1970* and the *Health and Wellbeing Act 2008*.

To that end, a working group was formed consisting representatives from regional water corporations, East Gippsland and Wellingtons Shire's together with expert Environmental Consultants (ECOS). Following a lengthy development and internal consultation phase, a draft DWMP was developed that includes detailed background material together with an action plan that responds to domestic wastewater issues within the municipalities. The plan will be subjected to annual reviews which will commit to the implementation of the recommended actions detailed. Following the annual reviews, a four year re-writing of the plan will be completed.

A draft copy of the DWMP was made available to stakeholder agencies and residents of both shires for a three-week period in August 2016.

Three external submissions were received by Council:

- 1) Submission from East Gippsland Water, supporting the DWMP.
- 2) Submission from Gippsland Water, supporting the DWMP
- 3) Submission from Goulburn-Murray Water, which raises matters of technical references, resourcing, and the potential need to introduce an environmental significance overlay within the East Gippsland Planning Scheme, identifying the Hume potable catchments. In the response, suggested technical reference changes are supported, and the document altered. The request for a planning scheme amendment will be referred to East Gippsland Shire's Strategic Planning unit, and resourcing will be further reviewed with water corporations.

Copies of these submissions are attached for your information (Attachment 2)

OPTIONS

Council has the following options:

- 1. Adopt the Wellington and East Gippsland Shire's Domestic Wastewater Management Plan (DWMP) 2016; or
- 2. Not adopt the Wellington and East Gippsland Shire's Domestic Wastewater Management Plan (DWMP) 2016 and present to a future Council meeting.

PROPOSAL

It is proposed that Council adopt the Wellington and East Gippsland Shire's Domestic Wastewater Management Plan (DWMP) 2016.

CONFLICT OF INTEREST

No Staff and/or Contractors involved in the compilation of this Report have declared a Conflict of Interest.

FINANCIAL IMPACT

The first draft of the Wellington and East Gippsland Shire's DWMP was funded by the Gippsland Lakes Environment Fund for \$45,000. However additional funds of \$20,000 were received from water corporations to support further and more detailed risk analysis, thereby ensuring the reports priority recommendations were based on the best possible information.

One of the priority actions coming out of the DWMP will see the development of a Memorandum of Understanding (MOU) with water corporations, and this MOU will document an agreed monitoring and compliance program. This program may require additional resources/staff allocations and we will work closely with water corporations to identify how this program can be funded.

COUNCIL PLAN IMPACT

The Council Plan 2013-2017 Theme 7 Community Wellbeing states the following strategic objective and related strategy.

Strategic Objective

Enhance health and wellbeing for the whole community

<u>Strategy 7.7</u>

Work in partnerships to provide leadership and strategic direction on issues or risks relating to community safety

This report supports the above Council Plan strategic objective and strategy

CONSULTATION IMPACT

The development of the DWMP has involved extensive consultation with a number of stakeholder agencies such as the water corporations, the Department of Health and Human Services (DHHS) and the Environment Protection Authority (EPA). Regular feedback was received throughout the project, in particular the water corporations which has been included in the final DWMP where relevant.

A public consultation process has been undertaken following the release of the Wellington and East Gippsland Shire's DWMP with three submissions received on Friday 26 August 2016. Ongoing stakeholder agency consultation is planned annually.



Wellington and East Gippsland Shires Municipal Domestic Wastewater Management Plan

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Prepared for Wellington and East Gippsland Shires By Ecos Environmental Consulting

August 2016

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Document Information

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1.0	TOC Oraft	Nick O'Connor	Wellington and East Oppsland Shire Councils	6 January 15	Nick O'Connor	Nick O'Connor	
1.1	Working Orafi	Neck O'Constor	Wellington and East Gippuland Shire Councils	27 April 2015	Nick O'Connor	Nick O'Connor	
1.2	Draft	Nick O'Connor	Wellington and East Gippsland Shire Councils	20 August. 2015	Nick O'Connor	Nick O'Connor	
	Oraft	Nick O'Connor & Tracy Clark	Wellington and East Rippstand Shire Councils	4 September 2015	Nick O'Connor	Nick O'Connor	
	Oruft	Nick O'Connor & Tracy Clark	Wellington and East Gippsland Shire Councils	18 September 2015	Nick O'Corevor	Nick O'Conner	
1.5	Druft	Nick O'Connor & Tracy Clark	Wellington and East Gippsland Shire Councils	27 November 15	Nick O'Connor	Nick O'Connor	
2.0	Oraft.	Nick O'Connor & Tracy Clark	Wellington and East Gigandand Shire Councils	11 Anne 2016	Nick O'Connor	Nick O'Connor	
1.1	Final	Nick O'Connor & Tracy Clark	Wellington and East Gippsland Shire Councils	23 Ame 2016	Nick O'Corenor	Nick O'Conmar	
12	Final	Samantha Ging	Wellington and East Gappsland Shire Councils	29 August 2016	Samaritha King and Varietsa Ebriworth	Semanthe King	

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Name of project	Wellington and East Gippsland Shires Municipal Domestic Wastewater Management Plan
Name of document	WSC and EGSC DWMP 29 August 2016
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Wellington and East Gippsland Shires Municipal Domestic Wastewater Management Plan Ecos Environmental Consulting Pty Ltd 1271;2016

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Wellington and East Oppstand Shires Municipal Domestic Wastewater Management Plan Ecos Environmental Consulting Pty Ltd 1271:2016

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Executive Summary

Introduction

The environmental and public health risks posed by unsewered areas is recognised nationally and internationally as a significant public health and environmental issue. In Victoria, management of domestic wastewater is addressed under the Environment Protection Act 1970 and State Environment Protection Policy (Waters of Victoria) (SEPP WoV). It is a requirement of this legislation for local Governments to develop a Domestic Wastewater Management Plan (DWMP) to address potential risks to community health and the environment resulting from the treatment and disposal of wastewater from homes and businesses in unsewered areas.

Wellington and East Gippsland Shires released their existing DWMP in 2006. In 2014, the Shires received funding assistance from the Gippsland Lakes Environment Fund to review the 2006 DWMP and to produce a new and revised version. The 2006 DWMP was developed with the support of regional water corporations and the corporations have retained a strong obligation in the on-going implementation of the 2016 DWMP.

Aims

The primary purpose of preparing this DWMP plan is to update the existing DWMP to meet the revised. Ministerial Catchment Guidelines, "Planning permit applications in open, potable water supply catchment areas" (DEPI 2012) (the Ministerial Guidelines) as well satisfy the obligations of each Shire council as outlined by Clause 32 of the SEPP WoV. Specific sections of the DWMP that address the requirements of the Ministerial Guidelines are listed in Table 1.

Table 1. Domestic Wastewater Management Plan Requirements and relevant sections of this DWMP where the requirement is addressed.

Attribute	Requirements	Relevant section in DWMP
Consultation	The SWMP must be prepared or reviewed in consultation with all relevant stakeholders including: other local governments with which catchment/s are shared; EPA; and Jotal water corporation/s.	Section 6.1 and Appendix 5 (makeholder consultation) Section 6.1 and Appendix 5 (makeholder consultation) Section 6.1 and Appendix 5 (stakeholder consultation)
Protection of surface and groundwaters	The DWMP must comprise a strategy, including timelines and priorities, to: prevent discharge of wastewater beyond property boundaries; and prevent individual and consulative impacts on groundwater and surface water beneficial uses.	Action plans - Section 9.1 Action plans - Section 9.1
Monitoring, compliance and enforcement	The DWVP must provide for: • the effective monitoring of the condition and management of onsite treatment systems, including but not limited to compliance by permit holders with permit conditions and the Code; • the results of monitoring being provided to stakeholders as agreed by the relevant stakeholders; • enforcement action where non-compliance is identified;	Action plans - Section 9.1, Table 9-4 Action plans - Section 9.1, Table 9-4 (Item 25.3) Action plans - Section 9.1, Table 9-4 (see Items on Muniforing and Compliance [MC])

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The development of this DVMP has provided an opportunity for the Shires to strategically assess the wastewater issues within their respective jurisdictions and develop appropriate strategies and actions to prevent wastewater problems, or at the very least minimise resultant impacts.

Region

The Wellington and East Gippsland Shires include water catchments that support the Gippsland Lakes as well as many other regional waterways of high social, economic and environmental importance. The management and protection of water catchments and regional streams, rivers and lakes is considered a high priority by the regional community. With respect to wastewater management, the larger towns and most of the smaller towns are sewered, however there remains a number of small, relatively remote unsewered settlements as well as areas of rural land use with relatively high densities of unsewered properties. These locations pose potential risks to catchment water quality and within this DWMP are a focus for risk management. Overall there are just under 13,000 onsite wastewater management systems across both Shires combined.

Detailed statistics related to onsite wastewater management are provided in the DWMP on townships in each Shire including classification by lot size and planning zone.

Declared Water Supply Catchment boundaries and planning zones are displayed in map form (Figures 1 to 3). For East Gippsland Shire 787,106 ha lies within Declared Water Supply Catchments (38 %) while in Wellington Shire the corresponding figure is 450,232 ha (41 %).

Wellington and East Gippsland Shires Municipal Domestic Wastewater Management Plan Ecos Environmental Consulting Pty Ltd 1271:2016

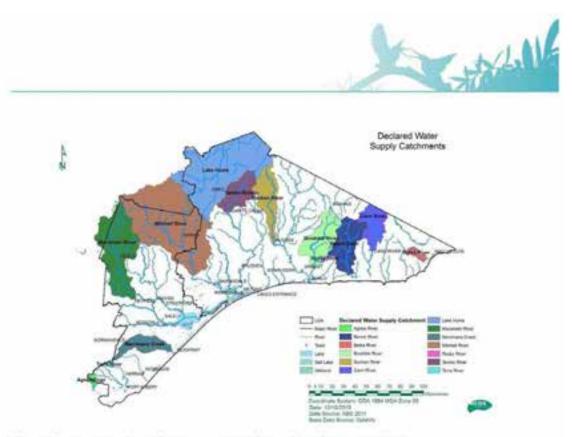


Figure 1. Declared Water Supply Calchments within the Shires of East Gippsland and Weilington.

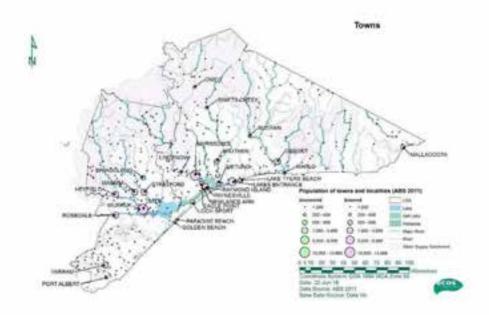


Figure 2. Township locations within the Shires of Wellington and East Gippsland

Wellington and East Gippsiand Shires Municipal Domestic Wastewater Management Plan Ecos Environmental Consulting Pty Ltd 1271:2016

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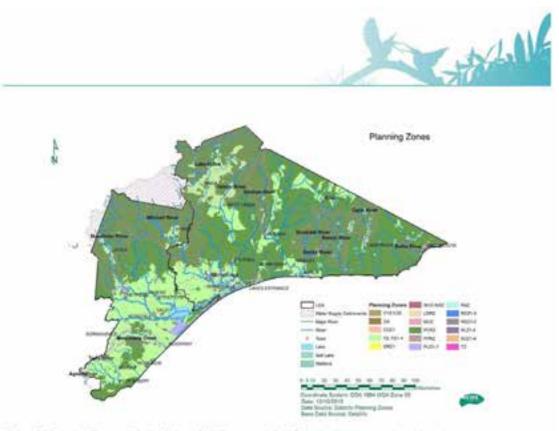


Figure 3. Planning Zones within the Shires of Wellington and East Gippsland. Water supply catchments are also shown in outline.

Legal and planning framework

The statutory framework behind the DWMP is described in detail including reference to relevant standards and guidelines, particularly the Victorian EPA "Code of Practice for Onsite Wastewater Management".

Relevant council plans and policies are also reviewed and their relationship to the DWMP is described.

Current approvals process

The DWMP contains a detailed description of the current approvals process for onsite wastewater management systems including a flow chart of the septic tank and planning permit process for each Shire. Discussion and recommendations are also included on the following topics:

- Land Capability Assessment (LCA)
- Maintenance of Septic Tank Systems
- Monitoring and Compliance
- Data management for onsite systems

Water quality risks posed by domestic onsite wastewater management systems

The DWMP contains a brief review of the water quality risks posed by domestic onsite wastewater management systems including risks from microbial pathogens, nutrients, and trace organic compounds (e.g. household herbicides and insecticides, detergents, personal care products and pharmaceuticals). Common failure modes of on-site treatment systems are also described.

Weilington and East Gippsiand Shires Municipal Domestic Wastewater Management Plan Ecos Environmental Consulting Pty Ltd 1271 2016

Onsite systems catchment water quality risk assessment

A key component of the DWMP is a detailed GIS-based risk assessment for onsite wastewater management systems. The risk mapping approach was developed for the DWMP and consists of a semiquantitative risk scoring exercise. It is appropriate for the high level identification of areas of heightened risk to surface water and groundwater quality across each Shire and can be used by the council EHO's to assist in their decision making with respect to individual sites.

Risk mapping was based on the potential risk to surface and groundwater quality posed by an onsite wastewater management system for each property (whether an onsite wastewater management system was present or not). Risk factors were:

- soil suitability
- slope
- climate
- useable area subject to various regulatory and environmental constraints including Distance to water - Depth to the water table - Distance from groundwater bore

The risk maps displayed in the DVMP are presented at the regional scale to provide an overview of risk for this report. However, each map is produced from a GIS database that allows the user to zoom in for more detailed analysis. These databases, developed for the DWMP, have been supplied to Wellington and East Gippsland Shires to assist them in assessing the risks associated with new planning permit applications and existing unservered dwellings.

Each unservered dwelling was allocated a risk score based on its risk factors. The score is used to rank and prioritise properties for follow up, so that resources can be more effectively devoted to the management of higher risk properties. Unservered dwellings with higher risk scores pose a higher risk to groundwater or surface water or both (Figure 4).

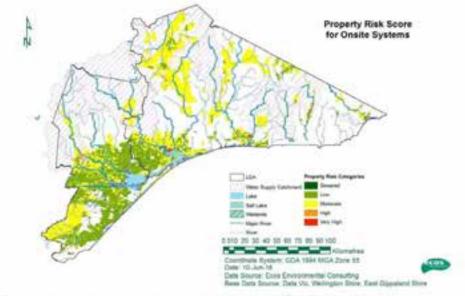


Figure 4 Property risk scores for unsewered houses in the Wellington and East Gippsland Shires.

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Priority township assessments

Risk scores were allocated to each unservered town in each Shire based on the township and residential planning zones. Towns were then sorted on their aggregate risk score to enable identification of high risk towns. These towns contributed disproportionally to the total risk for each Shire.

Towns in declared water supply catchments were also sorted on their aggregate risk scores to identify those towns that posed the highest risks of off-site movement of wastewater. These areas are a priority for compliance assessments. To assist in the identification of high risk unsewered houses in these towns, detailed GIS maps are presented in the DWMP.

Wellington Shire

The results of the township assessments showed that Golden Beach, The Honeysuckles, Longford and Paradise Beach accounted for approximately 50% of the total risk from onsite systems within the Wellington Shire. Other significant contributions to the total risk were Wurruk, Briagolong, Glenmaggie and Stratford.

Briagolong (north of Stratford), Stratford and Wurruk (west of Sale) are located on floodplain soils while all the other townships are located on or adjacent to the 90 Mile Beach where sandy soils prevail. These areas are a priority for compliance assessments. Glenmaggie is situated within 1km upstream of Lake Glenmaggie, and so all unsewered properties here have been classified as high risk.

East Gippsland Shire

The distribution of onsite system risk was more evenly distributed amongst East Gippsland Shire townships compared to Wellington Shire. Here approximately 50% of the total risk was accounted for by 9 towns: Nicholson, Metung, Buchan, Sarsfield, Nungurner, Wy Yung, Bruthen, Lucknow and Swan Reach.

These towns are all located in the catchments of the Gippsland Lakes or Lake Tyers and most lie lower down in the catchment close to the lakes where soils tend to be sandy and the water table is relatively close to the surface.

Declared water supply catchments

The acceptable housing density within a Declared Water Supply Catchment is 1:40 ha except for planning zones where a permit is not required to erect a dwelling. The main clusters of houses exceeding the density limit of 1:40 ha within the relevant planning zones is located at Gormandale (Table 2, Figure 5) while smaller clusters occur at Dargo and Benambra (see close up maps in Section 8). These areas are a priority for compliance assessments.

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12.4.1



Density	Declared Water Scopply Catchenents	Number of sensewared houses not complying	Planning Zone according the DWSC density Oracle systems in FZ, ACZ, R.Z and LDRZ were insteaded in the americanet
East Gippsland	Berren Niver	0 of 20	+
DWSCs 1.40 ha	Brodnibib River	C of 10	140° *
	Buchum River	C of 4	1
	Cann River	2 of 35	FZ1 neor Cann River
	Lake Hutter	40 of 160	18 in F21 near Omeo and Glen Valley, 22 in RL28 in Colorigra
	Mitchell Niver	C of 3	-
	Tambo River	10 of 33	F21 neur Swifts Greek
Wellington DWSCs 1:40 ha	Agons River	e to 0	-
1.40 %	Macalister River	136 of 169	11 in FZ, 12 in SC21 and 113 in 8,22, mainly in Elemenagie and Coorgolla
	Merrimans Greek	97 of 198	15 in RLZ2 at Gormandale*, #2 in F2 near StratEvola, Willung, Willung South, Gormandale and Calignee North
	Mitchell River	22 of 71	19 in F2, 3 in RL22, all in and around Dargo
	Tarra River	Cof11	de la

Table 2: Declared Water Supply Catchments (DWSC) within each Shire

* At the time of writing, 12 lots on north Calladale Court that were incorrectly zoned Ri22 are under review and expected to be changed to TZ.

The data in Table 2 for each DWSC is for the entire catchment. To further prioritise onsite systems for compliance assessment, the township areas in each DWSC were selected from the risk assessment using GIS query tools (Table 3). Onsite systems in these towns can be considered to have the highest priority for compliance assessment.

Table 3	Towns	in declared water supply catchments	s sorted by property risk score (sewer infilled).	

Rick rank	Township	owsc		I	of high So			opertie A risk c	a with		-
Shire		DW3K	I CHANE	Comment	Same line	-	rew i	-	1	Very File	1
Wellington Sh	н.										
	Gennuggie	Macalister 8	96	437	553	1		7	61	27	-49
- 14	Dergo	Mitshell 8	45	283	283			12	3	30	29
20	Coongulla	Macalister R	34	164	196	1			24	9	19
28	Gormandale	Merrimans Oc	39	101	101		2	36	1		19
35	Licola	Macalister R	16	74	74	-		10	3	3	19
last Gippsland	Shire										
19	Benandara	Literer	49	189	189		7	16	22	- 4	- 29
35	Oub Terrace	Bernin R	15	62	62	-	1	10	2	2	19
45	Omeo	LHutter	3	14	- 14			1	1	1	09

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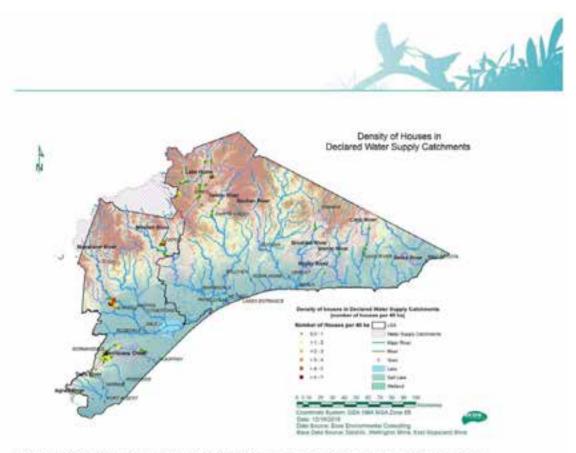


Figure 5. Density of houses in water supply catchments. Close up maps of priority areas are presented in the DWMP in Section 8.

Compliance with planning zone densities

A related risk assessment exercise examined the housing density compliance with planning zone requirements and identified clusters of houses around the major towns that exceed the target planning limits.

Growth Area assessments

Future settlement planning has indicated a number of growth areas across Wellington and East Gippsland Shires. As these developments proceed, many will involve increases in the number and density of unsewered dwellings and associated onsite wastewater management systems.

The current risk for each township was estimated as follows: the risk for each property was calculated, and the risks per property were added for each property which had been identified as containing an OWMS (onsite wastewater management system).

The future risk for each town was calculated by adding the risks for each property which could potentially have an OWMS. It was assumed that properties in sewered areas would be sewered when developed, and that properties which had been identified as being unsuitable for an OWMS (due to proximity to a waterway, bore, reservoir or shallow water table) would not have an OWMS installed.

Within Wellington Shire, planning has identified two towns of highest potential future risk, Longford, south of Sale as an area with significant growth potential (Figure 6) and Golden Beach. Within East Gippsland Shire the potential future onsite wastewater risks are greatest at Metung, Swan Reach, Wy Yung and Bairnsdale, with a spread of similar risk across a number of towns (Figure 7).

Wellington and East Gippsiand Shires Municipal Domestic Wastewater Management Plan Ecos Environmental Consulting Pty Ltd 1271 2016

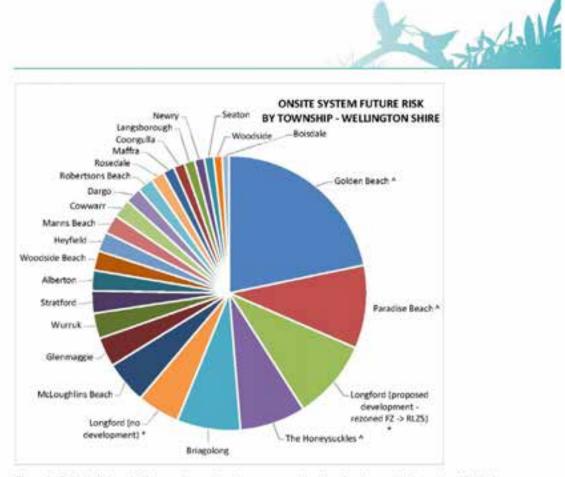


Figure 6. Potential future risk from onsite wastewater management system development by township – Wellington Shire. The top 25 localities are shown. For further details, see Section 8.5 of the DWMP. * Longford is shown in the graph twice, once for if no development occurs and once for full proposed development. * Towns on the Ninety Mile Beach.

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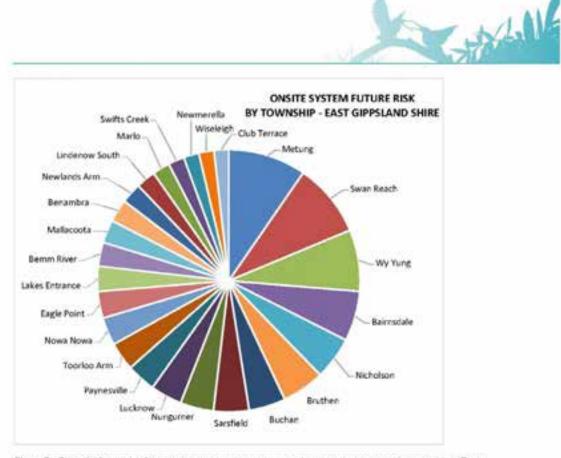


Figure 7. Potential future risk from onsite wastewater management system development by township – East Gippsland Shire. The top 25 localities are shown. For further details, see Section 8.6 of the DWMP.

Risk management

Action Plans

Action plan items from the 2006 DWMP were reviewed and either closed off due to completion or changes in priorities or carried over to the 2016 plan and combined with a number of new action items.

Action plans were separated into issues-based plans that addressed council procedures and relationships, with stakeholders and plans for priority towns that addressed matters in relation to particular locations.

Discussion of general issues in relation to the planning action items is also included in the DWMP. Appendices

Detailed appendices contain background information on the statutory framework supporting DWMP, surface water and groundwater water quality risk factors used in the risk assessment, a key to planning zones, and Action Plan items from the 2006 DWMP closed off due to completion or changing priorities.

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1 Introduction

The environmental and public health risks posed by unsewered areas is recognised nationally and internationally as a significant environmental and public health issue. In Victoria, management of domestic wastewater is addressed under Clause 32 of the State Environment Protection Policy (Waters of Victoria) (SEPP WoV), where it is a requirement for local Governments to develop a Domestic Wastewater Management Plan (DWMP). The SEPP WoV is an instrument under the Environment Protection Act 1970.

Specifically local governments throughout Victoria are required to prepare DVMPs to address potential risks to community health and the environment resulting from the treatment and disposal of wastewater from homes and businesses in unsewered areas.

1.1. Aims

The primary purpose of preparing this DWMP plan is to update the existing DWMP to meet the revised Ministerial Catchment Guidelines, "Planning permit applications in open, potable water supply catchment areas" (DEPI 2012) as well satisfy the obligations of each Shire council as outlined by Clause 32 of the SEPP WoV.

- Currently the Ministerial Catchment Guidelines 'Ptanning permit applications in open, potable
 water supply catchment areas' (DEPI 2012) (the Ministerial Guidelines) state that the development
 density should be no greater than one dwelling per 40 hectares in declared special water supply
 catchment areas. However, the Ministerial Guidelines allow for the relaxation of the 1:40 ha ruling
 for allotments when a DWMP has been prepared, adopted and implemented by Council and
 endorsed by the relevant water corporations to address the current requirements. Specifically, the
 Ministerial Guidelines require that a DWMP address that, Domestic wastewater systems retain
 wastewater within property boundaries; and
- Westewater is managed to prevent impacts on groundwater and surface water. Additionally, the DWMP must include the following components:
- Demonstrate effective monitoring of the condition and management of domestic wastewater treatment systems;
- · Results of monitoring and audits being provided to stakeholders; and
- A process of enforcement action where non-compliance is identified;
- A process of review of the DWMP every 5 years.
- Independent (accredited) audit of DWMP implementation every 3 years with audit results provided to stakeholders as soon as possible after assessment;
- Demonstration by councils that suitable resourcing for implementation, monitoring, enforcement, review and audit are in place.

1.2. Background

Wellington and East Gippsland Shires released their existing DWMP in 2006. In 2014, the Shires received funding assistance from the Gippsland Lakes Environment Fund to review the 2006 DWMP and to produce a new and revised version.

The Wellington and East Gippsland Shires account for around 15% of Victoria's land area and include water catchments that support the Gippsland Lakes as well as many other regional waterways of high social, economic and environmental importance. The management and protection of water catchments and regional streams, rivers and lakes from the deleterious effects of a wide range of real and potential impacts is considered a high priority by the regional community. With respect to wastewater management in the Shires, the larger towns and most smaller towns are sewered, nevertheless there are a large number of small, relatively remote unsevered settlements as well as areas of rural land use with relatively high densities of unsevered properties.

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Some residential areas have been sewered or may be in the process of being sewered, but other areas still rely on onsite wastewater management systems (OWMS) of which there are just under 13,000 in both Shires combined.

The development of this DWMP has provided an opportunity for the Shires to strategically assess the wastewater issues within their respective jurisdictions and develop appropriate strategies and actions to prevent wastewater problems, or at the very least minimise resultant impacts. It clearly articulates each Shires' policy on domestic wastewater and its management.

2 East Gippsland and Wellington Shires Regional Attributes

Issues and potential threats from on-site domestic wastewater management include: high microbial (E. coil) and detergent (surfactant) levels in stormwater; discharge of grey water to open street drains and stormwater; inappropriate and outdated septic systems, including WC-only (also known as blackwater-only) types; direct off-site discharge of wastewater; small allotments and inadequate effluent disposal areas; high water tables; ageing and poorly-maintained septic systems and high household water use made possible by the availability of reticulated water in some areas.

Based on spatial and planning zone data supplied by Wellington and East Gippsland Shire Councils and by Victorian Government Data Directory (www.data.vic.gov.au), 33 townships were listed in Wellington Shire and 47 townships were listed in East Gippsland Shire. Of these townships 11 and 24 respectively are sewered, although there are still significant numbers of unsewered dwellings and vacant allotments present within the boundaries of these townships.

In total, approximately 5,078 properties in East Gippsland were estimated to have an onsite domestic wastewater management system while in Wellington Shire the number was estimated at 7,818 (Table 2-1). These estimates are based on data supplied by the councils and are based on individual address points.

Shire	Commercial	Comparaturation	Marrie	1]	-	Law Density Residential	Park Commention	Public Party of the Party of th	Public Une	Committee	1	Print Links	Appendial Une	Citement	
	007	8	1-11-1	8	*	2MO1	ğ	Ē	MILLA	-		Ĩ	*CON	1	1
Cent Gippeland	-14		2,099	67	38	978	108	15	29	71		1,246	4	441	5,078
Wellington	6	2	2,770	43	13	2,456	20	41	38	226	1	1,119	14	1,074	7,818
Total	20	2	4,863	110	26	3,434	126	56	62	297	1	2,365	15	1,517	12,896

Table 2-1. Numbers of domestic on-site wastewater management systems by Shire and planning zone.

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Within the Declared Water Supply Catchments there are 6 towns in Wellington Shire and 5 towns in East. Gippsland Shire (Table 2-2).

Table 2-2. Towns within Declared Water Supply Catchments (DWSC) (Towns identified as such if they lay within the following planning zones: GR1Z, TZ or LDRZ – see legend of Table 2-1 for zone descriptions).

Sheet.	OWSC	Several Towns	Unsewared Town
East Gippdand	Lake Hume	Omeo	Benambra
Eint Gigesland	Serven Niver		Club Terrace
Cant Gippeland	Buchun River (Buchan)		Buchan
East Gippsland	Tambo River		Swifts Oreck.
Wellington	Macalister River (Sterenaggie)	Coongulta, Glernnaggir, Glernmaggie Point (part senered)	Licola
Wellington	Mitchell River		Dargo
Wellington	Merrimans Creek (Seaspray)		Gormandale

Townships size and characteristics

There are 2943 allotments less than 1 ha in Declared Water Supply Catchments in Wellington Shire while in East Gippsland Shire the number is 403.

For East Gippsland Shire, a breakdown of the number of unsewered residential properties by township showed that there are 2734 unsewered properties in and around townships including 152 in Declared Water Supply Catchments (Table 2-3).

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Table 2-3. Number of unservered properties (listed as having onsite systems in Shire database) by township in East Gippsland Shire. Data provided by East Gippsland Shire. (Townships within Water Supply Catchments are shown in bold type).

East Gippsland	Sewered		LDR2			Rizz		RLZA	Total # Properties with Omsite Systems	Total # Propertie
Barescale	Yes	1			7	-1			9	5521
Semm River	Yes				11	12			0	102
Benambra (Lake Hume)				48					48	110
Bendoc			-	30			-		30	52
Boole Poole			33		-		-	-	33	46
Bruthen	Yes		53	14	-	56			123	276
Bochan	1272-1			87	-				87	133
Bullumwaal			7		-	-	-	-	7	22
Bumberrab		-				26	-		26	31
Cabbage Tree Creek		-		9		49		-	9	11
Cann River	Yes.		_	12		_	-		0	184
Lassidi (Umeo) (Tambo River)	101		_			2			2	9
Club Terrace (Bemm River)				15	-		1.1.1.1		15	52
Cobungra (Lake Hume)			-	32	-		22	-	22	31
Eagle Point	Yes.		23		26	-	33		82	702
East Baimsciale	Yes		44		10		15	-	15	652
				-	-		19		0	1296
Eastwood	Yes	-	3	-			64	-	66	
Ellaswood			2	1			64	-		88
Ensay		_		6		_			6	14
Ensay South		-	10	16	-		-	_	16	20
Fernbank.		_	13	-	_	_			11	27
Genoa		-		6		_	-	-	6	41
Gipsy Point		_		32	-		1	-	33	41
Granite Rock		-			24		27		51	60
Hillsice	Sector Sector	_		and the second	140 C 1		4		4	12
lohrsonville	Yes	-	1000	2		_	1 miles		2	132
Kalimna	Yes	26	12	-		_		-	38	673
Lake Bunga	Yes	10	22					_	32	250
Lake Tyers Beach	Yes		27				2		29	\$90
Lakes Entrance	Yes	17	.43		22	- 4	26	5	117	3758
Lindenow (includes Walpa)	Yes		55	1		_			56	227
Lindenow South			30	42					72	109
Lucknow	Yes				95		49		144	582
Mallacoota	Yes						_		0	1153
Marlo	Yes		13						13	477
Metung	Yes		118			5			123	1749
Mount Taylor			33				_		33	51
Newlands Arm	Yes		70						70	557
Newmerella	-		33			36			69	69
Nicholson	Yes.		86		42	141			269	221
Nowa Nowa				70		6			76	119
Nungurner		_	97		-		-		97	132
Omeo (Lake Hume)	Yes				1				1	279
Orbost	Yes		9						9	1344
Paynesville	Yes					10.20			0	2647
Raymond Island	Yes	13				51	125.5		61	517
Sarsheld			66			78	15		159	95
Swan Reach	Yes					123			123	184
Swifts Creek				65					65	85
Tambo Upper						48			48	56
Toorloo Arm			32			54	31	4	121	146
Wiseleigh			31			32			63	89
Wy Yung	Yes		70		68				138	682

Wellington and East Gippsland Shires Municipal Domestic Wastewater Management Plan Ecos Environmental Consulting Pty Ltd 1271:2016



In Wellington Shire, there are 2831 unsewered residential properties in and around townships including 234 in Declared Water Supply Catchments (Table 2-4).

Table 2-4. Number of unservered properties (listed as having onsite systems in Shire database) by zone and township in Wellington Shire. Data provided by Wellington Shire. (Townships within Water Supply Catchments are shown in bold type). ^ Note: Golden Beach and Paradise Beach have a much larger number of properties listed on the database than have dwellings on them (as determined from 2012 aerial photography). The number of dwellings is listed below.

				r of Ons		1000	1000			Total #	-
Wellington,	Sewared	0021	GRZI	LDRZ	8121	8122	4123	8124	п	Perspecties with Onalie Systems	Total # Properties
Alberton	Yes									0	105
Boiscale	-		1		_	141.225			27	27	30
Briagolong			1.			67	30		312	409	463
Carrajung						5			22	27	25
Coongulla (Gienmaggie)	Yes					33				33	280
Cowwarr					-	-			81	81	92
Dargo (Mitchell River)						3			39	42	63
Devon North	-				-	41				41	45
Gler Rose			1		-	3				3	
Bassetts Lane, Glengarry			-		9	-				9	10
kienmaggie (Macalister River)	Yes					105			5	111	146
Golden Beach	-	-		489*	-		-			489^	1373
uormandale (Merrimans Creek)		-		100		15			24	39	35
Greenmount	-			9	-	19	-			28	28
Heyfield	Ves	-		-	-	64	8			72	878
Hollands Landing	1000	-		16	-		-			16	21
Gimany	-			-		-			10	10	14
Langsborough	-	-	41			-			10	41	45
Licola (Macalister Kiver)				-	-	-	-		0	9	16
	Max	-		-	-			-	1	0	2511
Loch Sport	Yes	100		-		_	-				
Longford	Marc	2		-	232	-	-	-	56	290	326
Mattra	Yes			7		58	-	24	-	89	2546
Manns Beach		_	_		_				80	80	81
McLoughlins Beach		_				-			171	171	179
Munro	-		-	12	_	2		-	16	30	30
Myrtiebarix						10			36	10	10
Newry	-	-		-	_		-		46	46	50
Paradise Beach	Provide Land			285.4		_	-			285^	572
Port Albert	Partly	_	2	-			_		10	2	360
Robertsons Beach	100	-	1.1	-			-		63	63	66
Rosecale	Yes			15	42		16			78	704
Sale	Yes	-		25	_	12				37	8057
Seaspray	Yes		-	21	-	- 240				21	360
Veator:	Ves	-		13		38 164				38	88
Builtont	185	-	-	13		264	-	-		177	910
Tatraville :	-	-		268	-		-		18	18 268	20
The Honeysuckles Finamba	-			200		-	-		23	23	30
Non Wron		-		-	_	23	-	-	23	23	30
Won Wron Noocside	-	-			12	38	-		22	72	22
TARSON AND A LOCAL DESIGNATION OF A LOCAL DESIGNATIONO DESIGNATIONO DESIGNATI DESIGNATIONO	-	-	-	59	14	9.0	-		50	109	114
Woodside Beach	Dutte	-	-		48			_	50	and a second sec	498
Wurruk farram	Partly Yes	-	-	1,48	45	-				193	1195

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2.1. Landuse and Declared Water Supply Catchments

A large proportion of both Wellington and East Gippsland Shires lie within Water Supply Catchments (both Declared and other). For East Gippsland Shire 787,106 ha lies within Water Supply Catchments (38 %) while in Wellington Shire the corresponding figure is 479,896 ha (43 %) (Figure 2-1, Table 2-5, Table 2-6). Each Shire has large areas of land devoted to forest reserves including the majority of the water supply catchment areas (Figure 2-3). However, there are significant areas of agricultural activity in some of the water supply catchment areas, particularly in the Tambo River catchment of East Gippsland Shire and the Merrimans Creek Catchment of Wellington Shire.

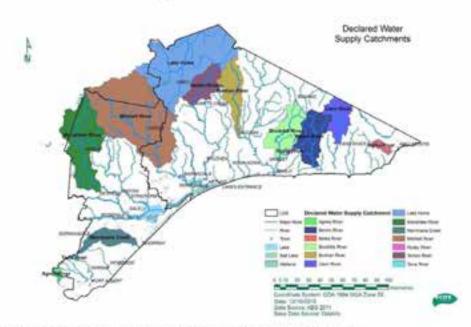


Figure 2-1. Water Supply Catchments within the Shires of Wellington and East Gippsland

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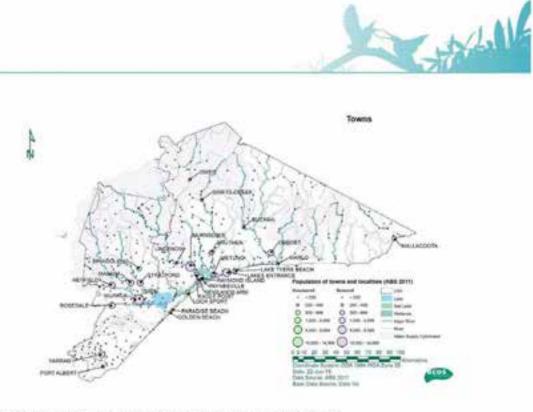


Figure 2-2. Township locations within the Shires of Wellington and East Gippsland.

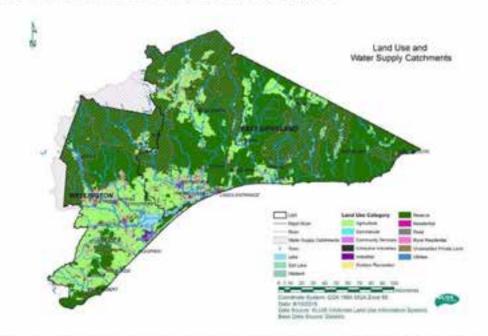


Figure 2-3. Land use within the Shires of Wellingtonand East Gippsland. Water supply calchments are shown in outline.

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Landana (Na)			ł	1		ŧ				1	and a local diversion of the local diversion		
Outlaned Water Supply Catchments (DWSC)	American	1	Commenty S	Entraction Ind.	1	Outloor Recr	I	1	1	Real Reads	-	ļ	1
Berren River	5,819	1			5		86,185	3	913	990	414	5	93,254
Betha River							11,508		39			17	11.563
Brodribb River	1,215		-4				91,626		612	113	1	11	\$3,601
Buchan Niver	2,774	- *	0	a			78,845	2	410	47	18		81,613
Cares River	5,940	6	5				55,482	23	478	942	- 24	4	62,298
Lake Home	65,401	377	187	- 6	14		225,493	485	3,577	2,119	2,786	141	300,586
Mitchael Siver	4,278						68,627		364	31	150		73,656
Rocky River	386						1,575		92	20	8		2,279
Tambo River	17,976						48,650	18	612	248	746		68,254
Notine DWSC	259,222	595	2,553	339	400	413	985,984	3,140	16,078	20,504	19,015	2,458	1,310,701
TOTAL	362,730	876	2,762	145	419	413	1.653,495	1.656	28,401	21,924	28,190	2,645	2,097,807
	17 %	11%	31.95	4.5	-dis	-0.%	78%	-15	16	1%	316	416	

Table 2-5 Landuse (ha) by Declared Water Supply Catchments (DWSC) within the East Gippsland Shire

Weilington and East Gippsland Shires Municipal Domestic Wastewater Management Plan Ecos Environmental Consulting Pty Ltd 1271:2016



Landares (ha) Declared Water Sopply Catchenems (OWSC)	and and a second	Commercial	Community Services	Tatastive Industries	-	Cution ferredon	Nutle based, incl. State and Nutleavel Parks	-	1	Real Residents	Understhed Private Land	1	1
Agnes River	2,644		- 11				272		95	109	4	.8	8,180
Lake Home							59						58
Macalister River	10,489	95	- 1	78		10	144,514	263	1,043	1,404	1.699	3,942	163,524
Mertimans Greek	31,749	9	33	82			18,988	115	1,465	1,457	558	69	58,497
Mitchell River	12,847	135	71				185,629	68	675	1,896	946	-24	206,281
Tarra River (WSC)	1,730						929	\$	47	92	3	16	2,826
Not in OWSC	333,369	477	1,194	312	4,096	1,453	267,580	7,494	15,713	17,951	19,808	5,894	675,080
Yotal	391,828	735	1,217	466	4,096	1,461	621,760	7,947	19,038	22,838	28.010	9.999	1.104.398
	35 %	41%	-	-1%	4.5	-115	56 %	4.96	28	2%	2.%	1.56	

Table 2-6. Landuse (ha) by Declared Water Supply Catchments (DWSC) within the Wellington Shire

3 Statutory Framework

The requirement for local Governments in Victoria to develop a DWMP is described in Clause 32 of the State Environment Protection Policy (Waters of Victoria) (SEPP WoV) which is an instrument under the Environment Protection Act 1970. Further specifications for DWMPs are set out in the guidelines released by the Victorian Water Minister in 2012. These Ministerial Catchment Guidelines, "Planning permit applications in open, potable water supply catchment areas" (DEPI 2012) spell out in detail the requirements and necessary components of a DWMP (Table 3-1). The guidelines aim to assist water corporations and other referral and responsible authorities in their assessment of planning permit applications for use and development of land within all open, potable water supply catchments in Victoria.

Because of the risks to public health, all use and development should be sited and managed to protect the quality of water collected from a water supply catchment. While water corporations do not have direct control over land in open, potable water supply catchments, they can nevertheless influence development and land use through the strategic and statutory planning process. The Ministerial Guidelines provide guidance in this respect.

The statutory requirements behind the DWMP are complex as a significant amount of other environmental legislation impinges on water supply catchment protection (e.g. the *Planning and Environment Act* 1987, etc.). The Ministerial Guidelines attempt to the these various components into a more cohesive framework. The material presented in **Appendix 1** summarises the key sections of the Ministerial Guidelines as well as the relevant components of other legislation that are relevant to this DWMP including the State Planning Policy Framework of the *Planning and Environment Act* 1987.

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Attribute	Requirements	Relevant taction in DMM/P	
Consultation	The DWMP must be prepared or reviewed in consultation with all relevant stakeholders individing: • other local governments with which cristwinest/s are shared; • EPA; • and local water corporation/s.	Section 6.1 and Appendix 5 (stakeholder consultation) Section 6.1 and Appendix 5 (stakeholder consultation) Section 6.1 and Appendix 5 (stakeholder consultation)	
Protection of surface and groundwaters	The DWMP ment comprise a strategy, including timelites and priorities, to: prevent discharge of wastewater beyond property boundaries; and prevent individual and cumulative impacts on groundwater and surface water beneficial uses.	Action plans - Section 9.1 Action plans - Section 9.1	
Monitoring, compliance and anforcement	The DWMP must provide for the effective monitoring of the condition and management of omite treatment systems, including but not limited to compliance by permit holders with permit conditions and the Code; the results of monitoring being provided to stakeholders as agreed by the relevant stakeholders; multiple of endew and updating (if recessary) of the DWMP every 5 years; independent audit by an eccedited auditor (water corporation approved) of implementation of the DWMP, including of manitoring and enforcement, every 3 years; the results of audit being provided to stakeholders as soon as possible after the relevant assessment; and. Councils are required to demonstrate that suitable resourcing for implementation, including monitoring, enforcement, review and avdit, is in	9.4 (tem 25.7) Action plans Section 9.1, Table 9.4 (tem MC.11)	

3.1 Standards and Guidelines

There are a range of published guidelines that are important for determining the conditions under which an onsite wastewater management system can be permitted, installed and maintained. The ministerial catchment guidelines have already been described in section 10.1.1 above;

3.1.1. EPA Code of Practice for Onsite Wastewater Management

The EPA "Code of Practice for Onsite Wastewater Management" (EPA Victoria Publication 891) ("the Code") is a comprehensive technical document that provides standards and guidance for best practice management of onsite wastewater in Victoria. The Code applies to wastewater (containing sewage) generated by a single domestic household or by multi-dwelling residential, commercial, industrial or institutional facilities. It provides guidance on:

- The selection, approval, management and maintenance of onsite wastewater management systems which treat up to 5,000 litres (L) of wastewater per day.
- systems which treat up to 5,000 L/day of greywater to a quality fit for toilet flushing and cold water supply to clothes washing machines and/or land application; and

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- State 1
- land capability assessment procedures and wastewater flow calculations for designing effluent recycling and disposal systems

3.1.2. EPA Land Capability Assessment - Onsite Wastewater Management

The purpose of the EPA Publication 'Land Capability Assessment for Onsite Domestic Wastewater Management' (EPA Victoria Publication 746) is to:

- assist in the assessment of the capability of the site to sustainably manage wastewater within allotment boundaries; and
- Identify a management program that should be put in place to minimise the health and environmental impacts of on-site wastewater management.

3.1.3. Australian Standards:

3.1.3.1. AS/NZS 1547:2012 Onsite Domestic Wastewater Management

The Australian Standard, AS/NZS 1547:2012 Onsite Domestic Wastewater Management (Standards Australia 2012) provides guidance for the design and construction of land application areas. If there is an inconsistency between an Australian Standard and the EPA Onsite Wastewater Management Systems Code (EPA Victoria Publication 891), the Code takes precedence. Where the Code does not cover a topic, the relevant Australian Standard should be followed.

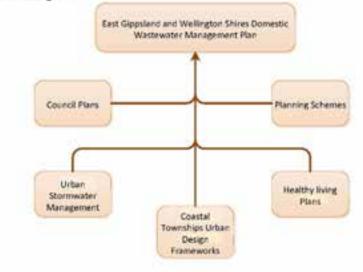
3.1.3.2. AS/NZS 3500:2013 Plumbing and Drainage

All plumbing work conducted on site during the installation of an onsite wastewater management system must comply with the Plumbing and Drainage Standard AS/NZS 3500.2013 (Standards Australia 2013). All design solutions should be installed by a licensed plumbing contractor in compliance standard.

4 Council policies and plans

4.1. Council Plans

Wellington and East Gippsland Shires have a number of strategic plans outlining the vision and objectives for their municipalities and communities. Figure 4-1 shows the connection between the DWMP and other relevant strategies.



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Figure 4-1. Link between DWMP and other Council Plans

4.1.1. Council Plans

Council Plans set out each municipality's Vision and Strategic Objectives to deliver services that meet the hopes and aspirations of the community, including residents, land owners and visitors to the Shire. The Plans serve to guide Council's corporate priorities and in certain cases deal with factors that influence the management of domestic wastewater.

4.1.2. Planning Schemes

The Municipal Planning Scheme is a legal instrument under the Planning and Environment Act 1987 that sets out both state-wide and local planning policy for land use, development, and the protection of natural and social values. The purpose of the Planning Scheme is to provide a clear and consistent framework within which decisions about the use and development of land can be made.

The Municipal Strategic Statement provides a vision and clear overarching strategic policy for land use and development in each municipality. These are further refined through issue-specific Local Policies. Zones and overlays applied over each municipality control the use of land.

The need for sustainable management of domestic wastewater is highlighted in both the Wellington and East Gippsland Planning Schemes.

East Gippsland Shire requires that all planning permit applications in unsewered areas (for subdivision and/or new dwellings) must be accompanied by information demonstrating that domestic wastewater can be treated and contained on-site in accordance with EPA requirements.

4.1.2. Wellington Shire Special Water Supply Catchment Areas Policy (Clause 22.01)

Clause 22.01 of the Wellington Shire Planning Scheme lists the Shire's Special Water Supply Catchment Areas Policy.

The policy states that when considering an application to use or develop land within a Special Water Supply Catchment Area, Council will have regard to the likely impacts of the proposed use or development on water quality and quantity in the catchment.

 New development proposals should not lead to an increase in the amount of nutrients reaching streams, surface water bodies and groundwater.

Any application to use or develop land within a Special Water Supply Catchment Area will be referred to the relevant water corporations and/or catchment management authority. These include Southern Rural Water, Gippsland Water, East Gippsland Water, South Gippsland Water, East Gippsland Catchment Management Authority, and the West Gippsland Catchment Management Authority.

- Any application to construct a building within 100 metres of a waterway or wetland for a use which
 would generate effluent should include evidence that the building site is capable of containing an
 appropriate water treatment system by providing either a Soil Percolation Test in accordance with
 the EPA Code of Practice for Onsite Wastewater Management (EPA Victoria 2013) (the Code); or
 an approved land capability assessment including assessment of the effluent disposal system in
 accordance with the requirement's the Code.
- Subdivision and intensive farming activities in water supply catchments, especially in the lower areas of water supply catchments near take-off points will be discouraged.
- Subdivision and intensive farming activities in aquifer recharge areas will be discouraged.

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The ESO8 Planning Overlay "Special Water Supply Catchment Areas" consists of 9 areas totalling 263 hectares, one in the Merrimans Creek DWSC (31 ha) and eight in the Mitchell River DWSC (232 ha) (Figure 4-2).

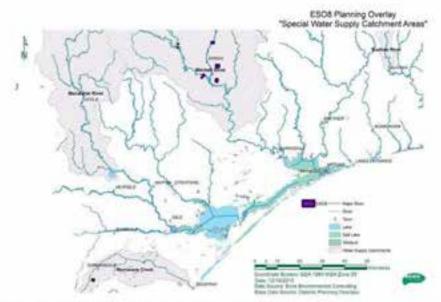


Figure 4-2. ESO8 "Special Water Supply Catchment Areas" in the Wellington Shire.

4.1.3. Planning Zones

Planning zones mainly align with landuse and the predominant zones within each Shire are Public Conservation and Resource Zone (PCRZ) and Farming Zone (FZ) (Figure 4-3). Water supply catchments lie mostly within PCRZ and FZ.

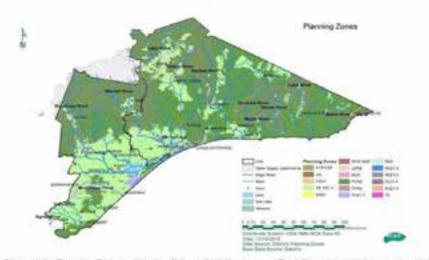


Figure 4-3. Planning Zones within the Shires of Wellington and East Gippsland. Water supply catchments are also shown in outline.

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4.1.4. Health and Wellbeing Plans

The East Gippsland Community Health and Wellbeing Plan (2013-2017) (East Gippsland Shire Council 2013) and the Healthy Wellington Municipal Public Health and Wellbeing Plan 2013-17 (Wellington Shire Council 2013) provide the framework for an integrated approach to public health planning for each Shire. The plans are major policy documents that seek to improve the health, safety and wellbeing of the people who live and work in the Shires. Neither plan specifically mentions water or wastewater, however the underpinning objectives of the plans is to provide regional communities with a healthy living environment and the DWMP assists in achieving that objective.

4.1.5. Urban Stormwater Management Plan

Wellington and East Gippsland Shires Urban management stormwater plans (Wellington Shire Council 2002; East Gippsland Shire Council 2003) provide detailed risk analysis and prioritised actions to address identified threats to environmental and amenity values from inadequately managed stormwater (including where domestic wastewater enters the stormwater system).

More recently the East Gippsland Urban Water Management Strategy and the companion Urban Water Guidelines (East Gippsland Shire Council 2013) seek to reduce sediments and nutrients entering the Gippsland Lakes from urban areas. This is to be achieved through:

- · Establishment of vegetation corridors through the urban areas
- Reduction of weed species in urban waterways
- Improving community perception and value of urban waterways
- Identification of recreation opportunities in line with the East Gippsland Shire Council Trails Strategy.

The Urban Water Management Strategy and guidelines are focussed on protecting and improving urban waterways from sediment and related nutrient runoff and on weed and erosion control. While not specifically addressing on-site wastewater management, the strategy approaches are consistent with the aims of this DWMP, particularly where they intersect with the water supply catchments areas (e.g. stormwater in unsewered towns).

4.1.6. Coastal Townships Urban Design Framework

The Coastal Towns Design Framework was a joint initiative of Wellington Shire Council and East Gippsland Shire Council. The councils developed Urban Design Frameworks for 18 coastal settlements in eastern Victoria. In Wellington this involved the coastal towns of Loch Sport, Golden Beach/Paradise Beach, The Honeysuckles, Seaspray, Woodside Beach, McLoughlins Beach, Manns Beach and Robertsons Beach, while for East Gippsland Shire the relevant towns were Paynesville, Raymond Island, Eagle Point, Metung, Nungurner, Lakes Entrance, Lake Tyers Beach, Marlo, Bernm River, Mallacoota, and Gipsy Point.

The Urban Design Frameworks provide guidance for the future development of urban areas and involved the preparation of realistic design concepts and planning provisions based on community consultation, research and analysis. The Urban Design Frameworks are implemented in the planning scheme and have the same status as other Structure Plans (e.g. Rosedale, Heyfield, Sale, Wurruk and Longford)

When planning for growth the councils take into account if the land is suitable for that development. Part of this is the consideration whether sewer infrastructure needs to be provided or else if onsite systems are to be used, what the most appropriate minimum lot size should be.

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5 Assessment of current wastewater management situation

6.1. Current situation

The most common onsite wastewater management systems distributed throughout the Shires are:

- Primary treatments systems
- Secondary Wastewater Treatment Systems
- Split systems which treat only the toilet wastewater (blackwater). The remaining portion of
 wastewater from showers, baths, basins, etc. (greywater), is discharged land with a portion of
 the discharge entering the storm water system which enters local creeks, rivers and ground
 waters. Split systems are distributed across both Shires however, these are no longer installed.

Discharge of greywater to the environment means that local stormwater can be expected to have a very high nutrient and pathogen loading. Research has shown greywater pathogen concentrations can be very high (Birks and Hills 2007).

5.2. Current approvals process

Installation of new wastewater systems in unsewered areas, and modifications to existing systems require Council approval in accordance with the *Environment Protection Act 1970* and the following key EPA documents:

- The EPA "Code of Practice for Onsite Wastewater Management" (EPA Victoria Publication 891) (the Code);
- The EPA Publication "Land Capability Assessment for Onsite Domestic Wastewater Management" (EPA Victoria Publication 746) and
- EPA Approvals, Australian Standards and JASANZ Certificates of Conformity for domestic wastewater systems.

Council approval is obtained by making an application for a Septic Tank Permit. Both Wellington and East Gippsland Shires provide application kits describing the necessary information to accompany a permit application.

New dwellings and subdivisions often also require planning approval, which is obtained through a Planning Permit in accordance with requirements of the Municipal Planning Scheme and the Ministerial Catchment Guidelines, "Planning permit applications in open, potable water supply catchment areas" (DEPI 2012) (see Section 3 above and Appendix 1). While all of the Ministerial Guidelines must be addressed where a planning permit is required to use land for a dwelling or to subdivide land, Guideline 1 "Density of dwellings", Guideline 2 "Effluent disposal and septic tank system maintenance" and Guideline 4. "Buildings and works" are particularly relevant with respect to this DWMP.

A diagrammatic view of the septic tank and planning permit process for each Shire is illustrated in Figure 5-1 and summarised in stepwise form in Table 5-1 following the procedure developed for the Mitchell Shire

DWMP (Mitchell Shire Council 2014).

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Table 5-1. Steps in approvals process for Septic Tank Systems (after Mitchell Shire Council 2014 with modifications).

Step	Details
Application for Permit	Administration officers register receipt of a paid application which must oxidude: identification of the site, site and building plans, specifications and particulars of the proposed septic task system, a full description of the proposed means for treating the effluent; and forward the application onto the Council Environmental Health Officer (EHO).
	 Staff will make arrangements for an initial on-site importion which is conducted prior to approval of the application.
Site Impections	
Ste Assessment	 An DHO will request a land capability assessment for all applications that fall within a Declared (Declared) Special Water Supply Catchment area if not previously submitted via the planning permit process. For all other areas DHOs will conduct a site inspection to determine whether the site is appropriate for winterwater disposal. The DHO may forther request a land capability assessment if they require further durification on the sites suitability.
Further information/ Non-Compliance	 If the D40 requires further information the applicant will be notified and the application will not progress solid the information is received.
Compliance and Approval	 The DHD will conduct a series of progress inspection prior to lackfilling of trenches/irrigition depending on the type of system. The DHD will conduct a final inspection when Certificate of Compliance has been insued by the plumber and prior to Certificate of the being issued by the Council Ococ the DHD is satisfied that all the aspects of the application, plans and specifications stated in the permit to install comply with the Act, a permit to use will be issued. The DHD may insue a permit subject to modifications or conditions. Septic permit shouldn't be insued in a CWSC area until the planning permit to insued and conditions of water corporations are considered/adhered to.
	The CHO will refuse to issue a permit if they consider that: • The site of the proposed septic tank system is unsuitable; or • The area available for the treatment or disposal of the efficient is not sufficient. The CHO will refuse to issue a permit if the proposed domestic wastewater system: • Is not an CPA approved system for the proposed perpose; • Is contrary to any State environment protection policy or waite management.
Refusal to Grant Permit	policy; or Any refusal to grant a permit to install/alter a septic tank system must be ratified by Council.

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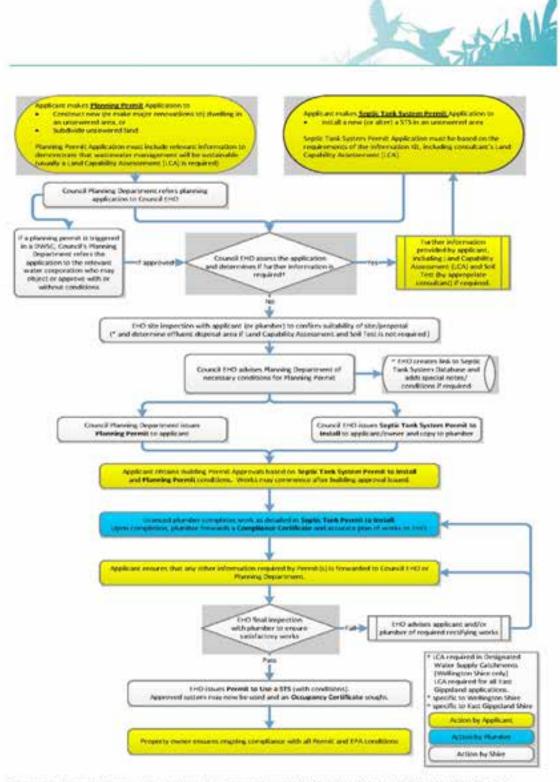


Figure 5-1. Approval Process for on-site wastewater management for East Gippsland and Wellington Shire Councils. The planning departments also review all applications to determine if and when a referral authority is to be notified of the application. This includes applications in water supply catchments.

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5.2.1. Land Capability Assessment (LCA)

The process for LCAs used by both Shires is that outlined in EPA Code (EPA Victoria 2013). The Code states that a Land Capability Assessment is required for all applications that fall within Declared Special Water Catchment Areas. In all other areas an LCA is not required unless requested by the EHO; this is the situation in Wellington Shire, however in East Gippsland Shire, an LCA is required for onsite wastewater management system applications regardless of whether they lie within a Declared Water Supply Catchment or not.

For Wellington Shire, the EHO will also consider the outcomes of the risk mapping analysis described in Section 8 of this DVMP in determining the requirement of an LCA.

Wellington Shire policy requires all new coastal developments, such as at Loch Sport, Golden/Paradise Beach, McLoughlins Beach, Manns Beach and Woodside Beach, to have a Secondary Treatment Systems with an EPA approved disposal method.

5.2.2. Maintenance of Septic Tank Systems

The occupants of premises on which a wastewater treatment system is located must maintain the system in accordance with the requirements specified on the permit (e.g. regular servicing, pumping out the septic tank every five years etc.). The EHO may conduct annual inspections of wastewater treatment systems to ensure compliance with the certificate for use. These will be focussed on priority areas as discussed in Section 8.4 later on in this report.

5.2.3. Monitoring and Compliance

Domestic onsite wastewater management systems are required to be operated and maintained in accordance with the conditions in the Council Permit to Use, the Certificate of Approval (CA), and the Code to ensure that human health and the environment are protected (EPA Victoria 2013). Furthermore, the Ministerial Guidelines require a process of monitoring the condition of septic systems and a process of enforcement when noncompliance is identified.

Council may fine a property owner under section 53N and Schedule A of the Environment Protection Act 1970 for failing to have the treatment system regularly serviced on an ongoing basis in accordance with the conditions on the relevant CA and the Council Septic Tank Permit.

Wellington and East Gippsland Shire Councils have established inspection schedules for processing the applications to install or modify domestic onsite wastewater management systems. Although neither council has an active monitoring nor compliance procedure to follow up and monitor the condition of all types of domestic wastewater units after a permit to use has been issued and the installation process is complete, Wellington Shire Council does have such a monitoring and compliance procedure for Aerated Wastewater Treatment Systems (AWTS).

A recommendation of the action plan is to commence monitoring and enforce compliance of domestic wastewater treatment systems. Resourcing a monitoring and compliance program for every property in the Shires is currently not feasible and it is therefore a recommendation of this DWMP is that monitoring is to be prioritised by risk and to begin in localities that have been identified as high risk through the risk mapping component of this plan (see Section 8). This process will identify any non-compliant units and a process of enforcement will ensure action will be taken to ensure systems operate correctly. The initial focus will be on systems within the declared water supply catchments.

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5.2.4. Data management

With respect to Aerated Wastewater Treatment Systems (AWTS) qualified maintenance operators certified by the system manufacturers undertake quality inspections and prepare reports for the councils as per the permit conditions and certificates of conformity. The data are then entered into an electronic database.

It is recommended in the action plan that service maintenance records are checked and followed up to ensure units are operating correctly. While this is the case for AWTSs in Wellington Shire, the process should be extended to all onsite wastewater management systems in both Shires, focussing firstly on systems in high risk areas described in Section 8 of this DWMP, with an emphasis on systems within the declared water supply catchments

It is further recommended that both councils retrospectively record unrecorded domestic wastewater treatment systems through utilising the inspections recommended under the proposed compliance program. The initial focus should be on systems in high risk areas described in Section 8 of this DWMP, with an emphasis on systems within the declared water supply catchments. Identification and registration of such systems will assist in managing the risk that unregistered or incorrectly registered onsite wastewater management systems could be operating incorrectly without the council's knowledge.

6 Management of the DWMP

6.1. DWMP Development and stakeholder consultation

The DWMP was prepared by Ecos Environmental Consulting according to terms of reference supplied by Wellington Shire Council and East Gippsland Shire Council and in accordance with the requirements of the Ministerial Catchment Guidelines (DEPI 2012). Development of the DWMP involved internal workshops with Environmental Health and Planning Staff from each council as well as external workshops with the regional water authorities, regulatory agencies and environmental organisations. The DWMP also draws on the material and findings of the 2006 Wellington and East Gippsland Shires DWMP as well as the Municipal Association of Victoria Model DWMP.

The parties consulted in the development of the DWMP were:

- Department of Environment, Land, Water and Planning (DELWP)
- Department of Health and Human Services, Victoria
- East Gippsland Water
- EPA Victoria
- Gippsland Lakes Committee
- Gippsland Water
- South Gippsland Water
- Southern Rural Water

A list of stakeholder workshops and attendees is presented in Appendix 5.

6.1.1. Community Consultation

The Shire councils have undertaken a community consultation exercise (public comment) as part of the adoption process.

6.1.2. Implementation

Following Council approval and adoption of this DWMP, actions will be undertaken as outlined in Sections 8 and 9, assuming sufficient resources are available.

Progress made towards completion of the actions outlined in this DWMP will be reviewed on an annual basis. This will include consideration of whether tasks have been completed on time (or are on schedule)

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and the outcomes achieved. The action plans include an outline of monitoring indicators to assist in determining the outcomes achieved.

The annual review will be a joint undertaking between Wellington and East Gippsland

Shires. It will be managed by Wellington Shires Environmental Health Coordinator and East Gippsland. Shires Environmental Health Manager.

. The review will be undertaken in September each year and will include a review of resources required for the following year for incorporation into the coming budget.

An annual report on progress will be distributed to both internal and external stakeholders as outlined in Section 8.7 and in the action plan tables (see Table 9-4).

7 Water quality risks posed by domestic onsite wastewater management systems

7.1. Microbial pathogens

There are around 150 known gastrointestinal pathogens that can be classified as waterborne. These pathogens may be broadly separated into viruses, bacteria, protozoa (single-celled parasites) and helminths (intestinal worms).

The most virulent organisms are typically associated with human sewage and animal faeces. Ingestion of these organisms typically results in gastrointestinal illness of varying degrees depending on the type of pathogen, the numbers of pathogens consumed by the host and the health and immunity of the host. While typical symptoms of gastrointestinal infection may include nausea, vomiting and diarrhoea, for certain pathogens an unfortunately high proportion of those infected develop serious and even life threatening complications (termed sequelae) including encephalitis, meningitis and kidney failure.

Since septic effluent poses a significant biohazard its management is a critical component of good public health practice. It is important that onsite wastewater management systems are designed, installed and managed appropriately to avoid the risk of septic effluent being allowed to contaminate surface waters and groundwaters and limit their beneficial uses.

7.2. Nutrients

Septic effluent is rich in the plant nutrients nitrogen and phosphorus. Areas where there are high densities of on-site wastewater management systems, surface waters and groundwater often have elevated nutrient concentrations. Surface water impacts are typically manifested as blooms of filamentous algae or phytoplankton (single-celled algae) in rivers, streams and lakes due to high phosphorous loadings. The Gippsland Lakes are a significant example of an important regional asset that has been affected by high phosphorus loads from its catchment – although onsite wastewater management systems are just one of a number of contributors.

With respect to groundwater, it is nitrogen that tends to be the nutrient parameter of most concern. Partly this is due to the retention of phosphorus in the soil and greater mobility of nitrogen in the subsurface and partly due to the capacity of groundwater to accumulate nitrogen to high concentrations. Where groundwater is used as a source of drinking water, the Australian Drinking Water Guidelines (NHMRC and NRMMC 2011) specify that the concentration of nitrate in the water must be less than 50 mg NO₃/L (as nitrate) to protect bottle-fed infants under 3 months of age. High nitrate concentrations can cause infantile methaemoglobinaemia (also known as blue-baby syndrome) where the nitrate affects the function of haemoglobin in the blood limiting its ability to carry oxygen. Clusters of onsite wastewater systems in areas where potable water supplies are sourced from groundwater should be considered a risk factor for nitrate accumulation.

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7.3. Trace Organic Compounds (TOrCs)

In the context of domestic sewage, TOrCs are organic chemicals such as household herbicides and insecticides, detergents, personal care products and pharmaceuticals. In most cases, such chemicals undergo biodegradation by bacterial enzymes in the effluent holding chambers of conventional septic tanks and domestic aerated wastewater systems and further biodegradation in the soil environment of the effluent disposal field. When chlorine is added to the effluent (e.g. such as in domestic effluent of aerated onsite wastewater systems to permit surface irrigation), its oxidising effect can also destroy TOrCs persisting through the earlier treatment stages.

Whilst there are literally thousands of chemicals in domestic use, the vast majority are used only in small quantities as part of routine household use and are readily degraded in the onsite wastewater treatment system. Since the principle aim of onsite wastewater management is to retain and treat effluent on site, the effects of persistent TOrCs is likely to only be a problem if effluent is permitted to move offsite. In such circumstances the health risks from microbial pathogens is expected to significantly outweigh the risks from TOrCs and thus management and monitoring for pathogens will also result in the management and control of persistent TOrCs. Until otherwise advised by the EPA, the focus of both councils will be on protecting public health from microbial pathogens through the appropriate management of onsite wastewater management systems.

7.4. Failure modes of on-site treatment systems

Although there are many variations in design, a typical onsite wastewater management system consists of an underground chamber that receives household wastewater. Solids settle to the bottom where they undergo digestion by microorganisms. A frothy scum forms at the surface and also plays a role in biological digestion of the wastewater. Microbiological respiration in this chamber rapidly consumes the available dissolved oxygen and so most of the activity is anaerobic. The semi-clarified liquid is distributed by gravity to the disposal field (also known as an absorption trench). In aerated wastewater treatment systems, an additional chamber is present which is mechanically aerated, providing a better quality of effluent that may comply with less stringent permit conditions (e.g. reduced setback distances from waterways).

7.4.1. Mechanisms of onsite system failure

Onsite wastewater management systems can have several modes of failure with the principal mode being disposal field surcharge (i.e. effluent pooling at the soil surface) due to trench clogging. Beal et al. (2005) documented the principal failure modes of domestic onsite wastewater management systems in South East Queensland. These were:

- Absorption trench surcharge (59%) due to:
 - Trench length under-design
 - Broken battles / outlet filters, inadequate desludging (causing blockage and surcharge)
- Odour (10%)
- Risk of off-site runoff (10%)¹
- Tank disrepair (21%)
- Beal et al. cited other Australian studies from the 1990's suggesting failure rates between 50% (Mt Lofty, Adelaide Hills, 12% surcharging) and 67% (Maroochy Shire, South East Queensland)
- Deliberate pipe disconnection by occupants allowing treated effluent to flow over the ground
- Other human interference (eg. turning off AWTS aerator).

Broken baffles/outlet filters and infrequent septic tank desludging both allow solids carryover into the trench, thereby reducing the ability of the trench to slowly "leak" effluent into the soil which is a desirable

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¹ It was not explicit in the paper, but this is assumed to mean direct evidence of off-site runoff. In practice, any surcharging poses a risk of off-site runoff.



trait of properly-functioning absorption trench. If leaking is impeded the likelihood of surcharge of septic effluent to the surface increases.

8 Onsite systems catchment water quality risk assessment

In section 5.2.3 it was recommended that monitoring compliance of onsite systems be risk-based and focus on localities that have been identified as high risk through risk mapping. The risk mapping approach developed for the DWMP is described in this section and consists of a semi-quantitative risk scoring exercise. It is appropriate for the high level identification of areas of heightened risk to surface water and groundwater quality across each Shire and can be used by the council EHO's to assist in their decision making with respect to individual sites.

8.1. Data collation, GIS analysis, hazard source identification and mapping

Spatial data for use in the risk assessment of onsite wastewater management across Wellington and East Gippsland Shires was obtained from a range of sources including the Victorian online environmental databases DataVic, Water Measurement Information System, and the Bureau of Meteorology. Additional data sources were Gippsland Water, South Gippsland Water, East Gippsland Water, and Wellington and East Gippsland Shire Councils (Table 8-1).

Data Source	Data layer	Description	
	10 m Contours	Greate DDM to determine expect, slope and water table depth	
	fivers	and the second s	
	Lakes	Galculate setlands from waterways and waterbodies	
	Properties	Property size	
	Flood layers (1 in 100)	Used to calculate useable area	
	1315250	Land system – contains soll risk information – MASS_MOV (erosion), WATER_LOG (soil drainage), LDACH (pH), WIND_ER (soil texture), WATER_ER (soil depts)	
DelaVik	Sol CC		
unarris.	Sol NOry	Used to calculate soil textore	
	Sol pH		
	SWL (groundwater contours)	Groundwater level used with DDM to calculate depth to water table	
	Planning Overlays	000000000000000000000000000000000000000	
	Planning Zones		
	owsc	Declared Water Supply Catchments	
	LGA		
	Locality	Town locations	
Water Measurement Information System (WM/S)	Groundwater Bores	Used to calculate useable area, setback from bores	
ANL	Town Population		
	Site rainfull data	cised to calculate dimate risk	
577	Site evaporation data		
BOM	Annual rainfall map		
	Annual pan evaporation map		
GW	Sewered towns	Website	
	owsc	Water Supply Catchment confirmation	
sew	Servered towns	Website	
09W	Service of towns	GIS Layer	
Shire Gounces	On-site system locations	Excel Nes with las/long coordinates	
	Aerial photographe		

Table 8-1. Data sources including spatial data used in the risk assessment

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8.2. Risk assessment and ranking

8.2.1. Risk model development

The LCA Risk table in the Code (EPA Victoria 2013) was used as a basis for a risk assessment of properties that are permitted to have a dwelling within rural (FZ, RCZ, RAZ, RLZ) and urban (TZ, LDRZ, GR1Z, MUZ) planning zones.

Data for each of the characteristics used to assess the properties in the LCA were obtained where possible and the classifications of risk (or "level of constraint") were identified and whether they related to surface water or groundwater risk.

Although not all LCA site attributes are able to be assessed on a catchment scale, many can be used to provide a general assessment of the land capability for each property. A detailed list of potential risk factors that could be used in risk scoring is presented in **Appendix 2**.

In developing the risk scores for the classes: the risk factors which were considered to be representative of the highest risk were soil suitability, usable area, slope and climate. These were chosen to represent the likely risks posed by the on-site systems prior to detailed LCA site assessments if these are considered necessary by the EHO, or required due the site being within a declared water supply catchment.

Risk factors were based on a combination of the guidance given in the Victorian Land Capability Assessment Framework 2nd Edition (MAV, DEPI and EPA 2014) and the EPA LCA guidelines (EPA Victoria 2003).

The intention of the risk assessment is to prioritise areas and systems for possible follow up site inspections. A high risk score does not necessarily mean that a particular system actually poses a higher risk, rather it simply means that the Shire council EHO should evaluate the risk at the site more closely.

8.2.2. Property Risk

A number of risk factors were chosen to calculate the risk of having an onsite wastewater management, system (OWMS) on each property permitted by the planning zone to have a dwelling.

The risk per property of an OWMS was categorised using the following formula:

Property Risk Score = [((soil suitability constraint + slope constraint) x ((2 x useable area constraint) + climate constraint)) / 10]

The final risk ratings were categorised and mapped in the following way:

- Very High >5.5
- High >4 to <=5.5
- Mod >=1.8 to <=4.0
- Low <1.8

The constraints used in the risk calculations were:

(1) Usable Area Constraint

The usable area for an OWMS was determined by the total lot size minus the areas of land deemed to be unusable according to the limitations listed below. Therefore, the useable area constraints were categorised as follows:

L.	Compliant	≥ 40 ha
Н.	Low:	0.4 - < 40 ha
iii.	Moderate:	0.2-<0.4 ha
iv.	High:	0.1 - < 0.2 ha
٧.	Very High:	< 0.1 ha
Vİ.	Unusable:	0 ha

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Limitations reducing the area of land on which an OWMS could be located were based on setbacks required by the Code of Practice for Onsite Wastewater Management (EPA Victoria 2013) (Table 8-2). A conservative approach was taken, using the highest setback requirements for each feature:

a. Distance to water - shorter distances means that rainfall runoff is more likely to reach the waterway and less rainfall is required to contribution to a connection between surcharged effluent at the location of an onsite system and the nearest waterway.

Within a DWSC, an OWMS cannot be located less than 100 m from a waterway or 300 m from a reservoir, whereas outside a DWSC, the required setback is 60 m from any waterway or waterbody;

- b. Depth to the water table a shallower soil depth to the saturated zone (groundwater) increases the potential of pathogen movement in to the groundwater. The requirements for onsite systems is that the vertical depth from the base of the disposal field trench to the highest seasonal water table is 1.5 m. The trench can be up to 0.6 m deep, therefore, a watertable depth of less than 2.1 m results in that part of the property being unusable for an onsite system;
- c. Distance from groundwater bore required setback is 50 m for category 1 and 2a soils and 20 m for category 2b 6 soils for secondary treatment (see EPA Victoria 2013, Appendix A, Table 9 for soil categories) A 50 m setback was used in the risk calculation.

Table 8-2 Setback distances for classes of onsite wastewater management system. Source: EPA Publication 891. 3 Code of Practice Onsite Wastewater Management (EPA Victoria 2013)

	Setbeck Distances (m			
tion	Printary Treated Efficient	Secondary Sewage and proyector officient	Advanced secondary graywater effluent	
Dam, lake or reservoir (possible water sopply)	300	150	150	
Waterways (polable water supply)	300	100	50	
Waterways, wetlands, extuaries, ocean at high-tide, dams, lakes, reservoirs (stock and domestic, non-potable)	60	30	30	
Groundwater Bore (category 1 and 2a solis)	NA	50	20	
Groundwater Bore (category 2b to 6 solb)	20	20	20	
Vertical depth from base of trench to the highest seasonal watertable	13	15	15	

(2) Soll Suitability Constraint

Soil suitability for an OWMS was determined from the hydraulic hazard of the soil (texture, permeability and structure), the depth to rock or other impermeable layer, and other likely limitations due to soil condition. The significance of each characteristic was weighted to account for the likely impact of each on the OWMS risk. Thus the soil suitability was categorised using the following formula:

Soil suitability = [(hydraulic hazard x 3.2) + (depth hazard x 1.2) + (limitation hazard x 0.6)) / 5]

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a. Hydraulic hazard constraints

The soil characteristics used to categorise the hydraulic hazard constraints were based on soil texture, then adjusted according to likely structure and permeability for each soil texture category (Table 8-3). Therefore, the hydraulic hazard constraint was categorised using the following formula:

Hydraulic hazard constraint = [(soil texture x 1.4) + (soil structure x 0.8) +

(permeability x 1)]

Table 8-3. Hydraulic hazard constraints (Data sources EPA Victoria 2013; MAV, DEPI and EPA 2014).

Lavel of Constraint	Soil Texture	Soil Itructure (predaility)	budicative permeability Roat (m/s)	Hydraulic Hasard Rating	
Nil or Low	3. Loans 2. Sandy barres	Highly or moderately structured 6e, 6b, 5e, 5b, 4e, 3e	0.5 - 3.0 m/d: 3a, 3b, 2b, 4a	3 Loams	
Moderately low	4. Cley loants	Weakly structured 2a, 3b, 4b, 5c, 6c	0.06 - 0.5 m/d: 40, 4r, 5a, 5b	2 Sandy loans 4 Clay foams	
Moderately high	5. Sight steps	30, 40, 36, 66	46, 58, 56	5 Light days	
High	6. Heavy clays 1. Sands	Structureless, massive or hardpare 1, 2b, 4c, 5c, 6c	< 0.5 m/d: 5c, 6a, 6b, 6c Or > 3.0 m/d: 1. 2a	6 Heavy clays 1 Sands No soll data	

The elements of the hydraulic hazard constraint equation are further explained in the following sections.

Soil texture

Very sandy soils could allow rapid subsurface movement and subsequent discharge to nearby waterways, while dense clay soils could support perched water tables and subsequent surface surcharging in wet weather. The soil texture constraint was categorised as follows.

ъ.	Low:	3. Loams, 2. Sandy Loams
ñ.	Moderate low:	4. Clay Loams
ш.	Moderate high:	5. Light Clays
iv.	High:	1. Sands, 6. Heavy Clays

Victoria Clay% GIS data was used to calculate the soil texture, which was supplemented with Victorian Land Systems 1:250 000 GIS layer (LSYS250) where there was no Clay% data. Due to the nature of the data, which provided a % clay content for varying depths (to 2m), the most restrictive soil layer is the one that will likely affect soil suitability for onsite system use. Therefore, the clay content at the most restrictive depth was used to calculate the soil texture. This was generally lower in the profile as there tends to be a gradation of increasing clay content with depth.

Soil categories were calculated using the Hazelton and Murphy (2007) field texture and estimated clay content interpretations as follows:

- 1: Sands: < 10 % clay 3: Loams: 20 - 30 % clay
- 5. Light clays: 35 45 % clay
- 2: Sandy loarns: 10 − 20 % clay
 4: Clay loarns: 30 − 35 % clay
 6: Heavy clays: > 45 % clay
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Soil structure

Soil texture data was the only GIS data available for soil structure, therefore the soil structure constraints were based on an average of the soil structure categories for each texture type [listed in square brackets]

ь,	Low:	6: Heavy clays, 5: Light clays [6a,6b,5a,5b,4a,3a]
ii,	Moderate Low:	3: Loams
ш.	Moderate:	4: Clay loams [2a,3b,4b,5c,6c] iv. Moderate High: 2: Sandy loams
٧.	High:	1: Sands, [1, 2b, 4c, 5c, 6c]

Soil Indicative permeability

Soil permeability constraints were based on an average of the soil permeability categories for each soil texture type [listed in square brackets]

6	Low:	3: Loams [3a, 3b, 2b, 4a]
κ.	Moderate Low:	4: Clay loams
н.	Moderate:	2: Sandy loams [4b, 4c, Sa, 5b] iv. Moderate High: 5: Light clays
v.	High:	1: Sands, 6: Heavy Clays (5c, 6a, 6b, 6c, 1, 2a)

b. Depth hazard

Depth hazard was identified using the LSYS250 GIS layer, which identified the depth hazard as a water erosion hazard (WATER_ER). The depth hazard constraint was categorised as follows:

- i. Low (WATER_ER 1 or 2): soil depth > 2 m
- ii. Moderate (WATER_ER 3): soil depth 1 2 m
- iii. High (WATER_ER 4): soil depth < 1 m (or no depth data available)

These categories are very similar to those listed in the Victorian Land Capability Assessment Framework (MAV, DEPI and EPA 2014) (Table 8-4).

Table 8-4. Victorian Land Capability Assessment Framework soil depth constraints

Level of Constraint	Soil depth to rock or other impermeable layer
Nil or Minor	>1.5 m
Moderate	1.5 - 1.0 m
Major	<1.0 m

c. Limitation hazard

Limitation hazards are listed in the LSYS250 GIS layer as PERF_AGG, which consists of description of limitations and penalty points used to rank land systems for inherent production potential after Rowan et al. (2000). The best land for agriculture or horticulture is allocated 10 and the score declines as limitations become more severe, with the least productive land having a score of 0. The limitation constraint was categorised as follows:

L Low:	0 points
ii. Moderate:	2 points
iii. Hìgh:	4 points

The soil condition was calculated from Total limitation potential 10 – (PERF_AGG + Rainfall Score + Steepness Score + Drainage Score). Rainfall, steepness and drainage scores were determined from the Land system and vegetation codes.

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The remaining limitations were soil physical condition and soil chemical condition (Table 8-5):

Table 8-5. Soil physical condition and soil chemical condition limitations

Characteristic	Description	Perulity Points
Soli physical rondition	Mard consistence in the A horizon; or low permeability of profile; or shallow story loans profile (less than 0.2 m thick).	2
Soil chemical condition	Low nutrient status (van of exchangeable calcium, magnesium and potansium less than 8 milliequivalents per 100 g within 1 m or High salinity (more than 0.2% total soluble sats within 1 m of the sat),	2

(3) Slope Constraint

Increasing slope promotes water shedding. The slope constraint was categorised to be consistent with the Victorian Land Capability Assessment Framework (MAV, DEPI and EPA 2014) (Table 8-6) and is as follows:

- Low: lots with an average slope < 6%
- ii. Moderate Low: lots with an average slope 6 10%
- iii. Moderate High: lots with an average slope 10 15 %
- iv. High: lots with an average slope > 15 %

Table 8-6. Victorian Land Capability Assessment Framework slope constraints

Lawel of Constraint	Slope gradient % (a) for absorption trenches & bods	Slope gradient % (b) for surface intigation	Slope gradient % (c) for subsurface irrigation
Nil or Minor	45%	-07%	<30%
Moderate	6.15%	6-10%	10 NIN.
Major	+15%	>10%	>30%

(4) Climate Constraint

The climate risk is the soil moisture surplus where rainfall is greater than evaporation, which can result in surface runoff, saturation and an increase of infiltration to the groundwater. The climate constraint was categorised as follows:

- 1. Zone 1: Rainfall exceeds evaporation < 1 month in a year
- ii. Zone 2: Rainfall exceeds evaporation 1 4 months in a year
- iii. Zone 3: Rainfall exceeds evaporation > 4 months in a year

There are seven sites with evaporation data within the two Shires (Table 8-7).

Two of these had available data on the Bureau of Meteorology (BOM) website. The available broad rainfall and evaporation maps on the BOM site were used in conjunction with this data to determine that the majority of the study area was likely to be in Zone 2.

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Table 8-7. Bureau of Meteorology sites with rainfall & evaporation data

Site	Name	Detes.	Zone	
84100	Bairnadale Waterworks	1970-2016		
85072	East Sale Aligort	1971-2015	2	
85034	Gienmaggie Weir	1969-2026		
84121	Orbort SRWSC	1972-1995		
84030	Orbest (comparison)	1994-2011	2	
84067	Tabberabbera (The Pines)	1974-1980		
84107	Wulguimenang (Pleasant View)	1972-1982		

Risk scores for unsewered properties in the Wellington and East Gippsland Shires are shown in Fig 8-1.

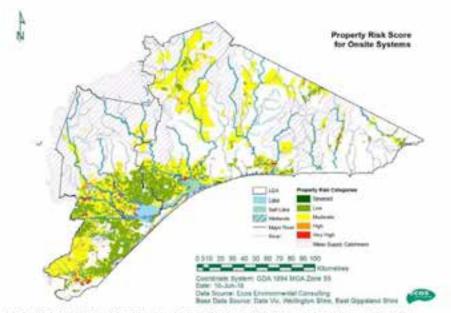


Figure 8-1. Risk scores for unsewered properties in the Wellington and East Gippsland Shires.

8.2.2.1. Unsewered dwellings less than 1km upstream of a drinking water supply reservoir

Southern Rural Water have requested that unsewered dwellings less than 1km upstream of a drinking water supply reservoir should always be classed as high risk properties. This is to be regardless of any other elements of the risk classification described above. This is to ensure consistency with the water corporations risk management practices and recognises the risk posed by properties that lie close to the reservoirs.

Properties with a Low or Medium risk classification in this area were reclassified to High. Properties with a High or Very High risk classification remained as classified.

8.2.2.2. Mapping and data availability for Wellington and East Gippsland Shires

The risk maps displayed in the following sections are presented at the regional scale to provide an overview of risk for this report. However, each map is produced from a GIS database that allows the user to zoom in for more detailed analysis. These databases, developed for the DWMP, have been supplied to the councils to assist them in assessing the risks associated with new planning permit applications and existing unsewared dwellings.

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8.2.3. Risks from future development - housing density

8.2.3.1. Planning zones

Acceptable housing densities vary with the planning zone and whether or not the area is within a Declared Water Supply Catchment. The data on planning zones and housing density limits was obtained from the Planning Schemes Online website (DELWP 2015) (Table 8-8, Table 8-9, Figure 8-2). The housing density for each planning zone was calculated separately.

Areas in the Farming Zone (FZ) and in Rural Conservation Zones 1 and 2 (RCZ1 and RCZ2) are the main sources of non-compliance with the maximum permitted housing densities across both Shires.

Table 8-8. Acceptable housing densities for the various planning zones within the Wellington Shire (see Appendix 3 for list of all zones). Note: in a Declared Water Supply Catchment a planning permit application may require referral to a Water Corporation.

Zone	Minimum Subdivision area (for size when planning pornit for subdivision)	Minimum area (lot size) for which no planning promit is required to one land for a sheelling	Charters of houses exceeding required limit of planning some		
Farming Zone (FZ)	40 Hectares, unless in MID three 25 Hectares	40 Hectaries, unless in MID them 25 Hectaries	992 houses, mostly near towns		
Rural Living Zono 1 (RLZ1)	0.8 Hextanes	0.4 Hectares			
Rural Living Zone 2 + 3 (RLZZ, RLZ3)	2 Hectares	0,4 Hestarres			
Rural Living Zone 4 (RL24)	4 Hestares	0.4 Hectares			
Rural Living Zone 5 (RL25)	D.6 Hettares	D.4 Hectores			
Low Density Residential Zone (RDLZ)	0.4 Hectares	Not determined			
Township Zona (TZ)	Not determined	300 square met/es			
General Residential Zone (GRZ)	Not determined	300 square metzes			
Mixed Use Zone (MUZ)	Not determined	100 square metres			
Rural Concervation Zone (RC2)	40 Meclares, unless in 2501 then 100 Meclares	Dwelling requires a glanning permit	556 houses (40 ha minimum) Golden Beach, Flamingo Beach, Glomar Beach, south of Glomar Beach, neur Lake Glemmaggie 27 houses (100 ha minimum) Flamingo Beach, Glomar Beach		
Rural Activity Zone (RAZ)	40 Hectores	Dwelling requires a planning permit.			

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Table 8-9 Acceptable housing densities for the various planning zones within the East Gippsland Shire (see Appendix 3 for list of all zones). Note: in a Declared Water Supply Catchment a planning permit application may require referral to a Water Corporation.

Jane	Minimum Subdivision area (lat size when planning permit for subdivision)	Minimum area (list size) for which no planning permit is required to use land for a dwelling	Dusters of havens exceeding required limit of planning core
Ferming Zone 1 (FZ1)	40 Hectares	40 Mectares	701 houses, mostly near towns
Farming Zone 2 (FZ2)	30 Hectares	30 Hertalet	59 houses, F22 is near Bairmdale
Farming Zone 3 (F25)	15 Hectares	15 Mectaries	
farming Zone 4 (FZ4)	1 Hectare	10 Nectures	
Rural Living Zone 1 (RLZ3)	2 Hectares	1 Hectarle	
Rural Living Zone 2 (RLZ3)	4 Hectares	1 Hectarie	
Rural Living Zone 3 (RLZ3)	8 Hectares	8 Hectares	
Rural Living Zone 5 (RLZ4)	15 Hectares	15 Hectares	
Low Density Residential Zone (LDRZ)	0.4 Hectares	Not determined	
Township Zone (TZ)	Not determined	300 square metres	
General Residential Zone (GRZ)	Not determined	300 square metres	
Mixed Use Zone (MUZ)	Not determined	800 square metres	
Rural Conservation Zone 1 (RC21)	10 Hectares	Dwelling requires a planning permit.	
Rural Conservation Zone 2 (RC22)	50 Hectares	Dwelling requires a planning permit	
Rural Conservation Zone 3 (RCZ3)	100 Hectates	Dwelling requires a planning permit	58 houses Nyerinslang, Ocean Grange, Lagle Point, Boole Poole Peninsuls

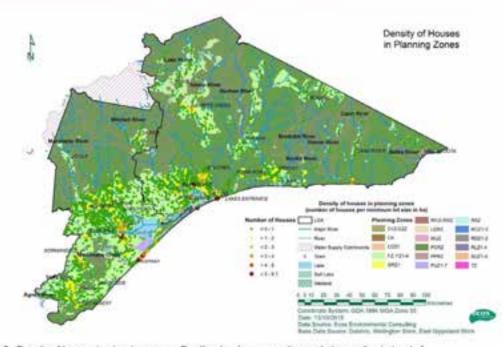


Figure 8-2. Density of houses in planning zones. Dwelling locations are colour coded according to level of compliance with the planning zone requirements. For example, where there is one house or less in the minimum acceptable area given the planning zone, the house is coloured with a green dot.

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The map of housing density compliance with planning zone requirements shows clusters of houses around the major towns that exceed the target planning limits. The housing density calculations were carried out by determining the number of houses in a 1 km radius around each house (including the house) and then dividing by the acceptable number in the same area given the planning zone. This is the method recommended for housing density calculations in the Victorian Water Industry Guidance Note for Determining Dwelling Density when Assessing Planning Permit Applications (VicWater 2012). Note, however, that this is not how the minimum lot size in the planning scheme is determined. If the lot is too small, then the house is not an "as of right" and a planning permit is needed (depending on the zone). If lots comply with the minimum subdivision size target, planning limits are not exceeded. However, the map provides an effective overview of where higher densities are found and allowed under the planning scheme without the need for a planning permit and where "problem" areas may occur.

Note also that although Figure 8-2 is presented at the regional scale, the related GIS layers have been provided to the Shires and allow for finer scale close ups as required.

8.3. Township assessments

For each town in each Shire, the individual risk scores for each property with an onsite wastewater management system were summed to give a risk score for each town (Table 8-10, Table 8-11). The town boundaries for assessment were based on the residential (GRZ1), township (TZ), low density residential (LDRZ) and rural living (RLZ) planning zones.

8.3.1. Priority townships/locations

8.3.1.1. Wellington Shire

The results of the township assessments showed that Golden Beach, The Honeysuckles, Briagolong, Paradise Beach and McLoughlins Beach accounted for approximately 50% of the total risk from on-site systems within the Wellington Shire (Table 8-10, Figure 8-3, Figure 8-4). Other significant contributions to the total risk were Longford, Glenmaggie, Wurruk and Stratford.

Briagolong (north of Stratford), Stratford and Wurruk (east of Sale) are located on floodplain soils while all the other townships are located on or adjacent to the 90 Mile Beach where sandy soils prevail. These areas are a priority for compliance assessments. Glenmaggie is situated within 1km upstream of Lake Glenmaggie, and so all unsewered properties here have been classified as high risk.

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Table 8-10. Wellington Shire townships sorted by sum of groundwater and surface water risk. Towns located in declared water supply catchments are listed. Township risk = number of dwellings in each risk category multiplied by its property risk rating in GR21, MUZ, TZ, LDR2 and RL2. Dwellings with onsite systems in sewered areas were categorised according to their risk rating for Current Score, and assumed to have a risk of 0 for the Sewer Infilled Score. Township risk was ranked was according to the sewer infilled score.

Park				Buerber of properties with OWMS in each risk category						1		
rank within Shire	Toweship	owse	a CWMB	Comment Web	11	-			1	Aury High	Propertien of	stat Report
1.	Golden Beach		493	2276	2276		1.1.1	160	200	133	15%	15%
2	The Honeyoudiles		268	1495	1495		_	1	4	263	3.0%	26%
3	Bringslang		414	1368	1368			387	23	-4	9%	35%
4	Paradiar Brack		2.96	1281	1281			96	175	17	9%	44%
5	Midosphire Nucls		172	963	963					172	7%	\$0%
6	Longfunt		295	849	349			259	- 26	10	6%	56%
7	Glenmaggie	Macalister	96	437	553	1		. 1	61	27	4%	60%
	Worsk		181	494	4/8	1		174	- 5	1	9%	63%
	Stratford		185	470	463	3		176	4	1	3%	66%
10	Manns Seeth		79	442	442					79	3%	69%
11	Woodside Beach		109	441	445			35	36	- 18	3%	72%
12.	Cowwart		81	397	397			30	31	.20	3%	75%
13	Robertsons Beach		65	364	564		_			-65	2%	77%
- 14	Dergn	Mitchell	45	283	283			12	3	10	2%	79%
15	Accedule:		75	267	267		- 3	48	2	- 24	2%	81%
16.	Heyleid		90	225	231			85	- 4	1	2%	83%
17	Langsborough		-41	230	230			_		41	2%	84%
18	Newry		47	221	221			2	36	.9	1%	26%
19	Mattra		88	219	219			88			2%	87%
20	Coungedia	Macalister	34	164	196	1			24	. 9	1%	88%
31	Woodside		61	182	182			- 63	. 4		1%	90%
22	Boixdale		28	157	152					38	2%	91%
28	Timanba		26	189	139			2		34	2%	92%
34	Sale		39	128	128			34	2	. 9	1%	99%
25	Devon North		47	122	122	0		-47			1%	99%
26	Carrations		28	115	113			19	6	3	1%	2476
27	Seaton		39	108	108		_	37		3	1%	95%
28	Gormandale	Merrimona	39	101	101		3	- 36	1		2%	96%
29	Tarraville		17	95	95					17	1%	96%
90	Murara		28	88	88			34	3	1	1%	97%
35	Yamam		28	80	. 77	1		25	1	1	2%	97%
82	Wax Wron		25	75	75			22			195	58%
88	Licola -	Macalister	16	74	74			10		3	1%	98%
.84	Hollands Landing		. 16	70	20				14	2	0%	99%
85	Seasgray		22	54	54			22			0%	9911
85	talmony		12	85	15			12			0%	9915
17	Glengarry		- 10	28	- 28					- 1	0%	100%
38	Myrtlebank		11	28	28			-11			0%	100%
39	Pearsondale		7	18	38			. 7			0%	100%
40	Alberton		- 4	16	16			- 2		2	0%	100%
41	Fort Albert		1	5.6	0	1	1				0%	100%

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Figure 8-4. Property risk for unsewered properties in Briagalong and Paradise Beach

8.3.1.2. East Gippsland Shire

The distribution of onsite system risk was more evenly distributed amongst East Gippsland Shire townships compared to Wellington Shire (Table 8-11). Here approximately 50% of the total risk was accounted for by 9 towns: Nicholson, Metung, Buchan, Sarsfield, Nungurner, Wy Yung, Bruthen, Lucknow and Swan Reach.

These towns are all located in the catchments of the Gippsland Lakes or Lake Tyers and most lie lower down in the catchment close to the lakes where soils tend to be sandy and the water table is relatively close to the surface.

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Table 8-11. East Gippsland Shire townships sorted by sum of groundwater and surface water risk. Towns located in declared water supply catchments are listed. Township risk = number of dwellings in each risk category multiplied by its property risk rating in GR21, MUZ, TZ, LDRZ and RLZ. Dwellings with onsite systems in sewered areas were categorised according to their risk rating for Current Score, and assumed to have a risk of 0 for the Sewer Intilled Score. Township risk was ranked was according to the sewer infilled score.

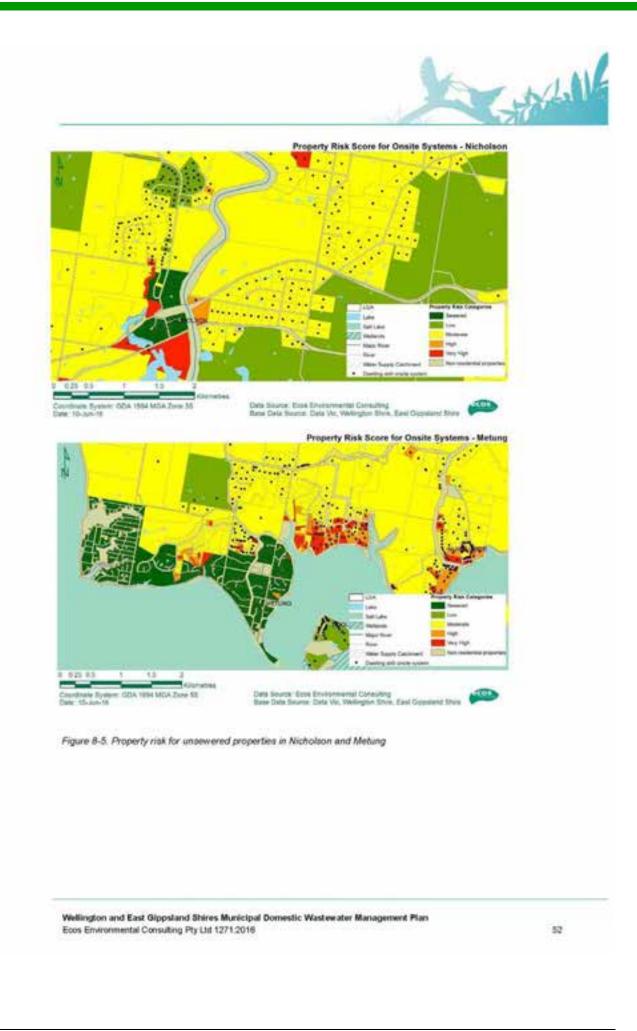
	Township				1	Murri CSWR	ber of /S in a	propert ach risk	categ	th ory	W. 12					
Rosk rank within Shire		INVSC	SHAND &	Connent Nick Score	Server Infilled Rich	Second Area	5	1	Mah	Vary File	Proportion of Teta	Running Total				
1.	Nishobon:		290	678	678		42	244	- 4		815	81				
2	Meturg		136	542	542		1	81	30	24	6%	149				
3	Buchun		99	515	515		11	- 16	18	54	6%	599				
4	Tarsfield		169	485	485		2	154	10	3	5%	259				
5	Nongunner		101	474	474		4	41	23	33	5%	305				
6	WyYing		156	467	467			340	10	6	5%	351				
7	Bruthen		124	414	414		3	99	11	35	5%	401				
	Lucknow		149	404	404			142	7		4%	441				
9	Swan Reach		128	401	401			99	27	2	4%	-491				
10	Tourloo Arm		124	360	360		2	114		8	4%	531				
11	Nowa Nowa		86	343	343		2	43	30	11	4%	579				
12	Lakes Encrance		121	349	301	19		91	10	1	3%	601				
13	Swifts Creek		26	258	258		19	45	13	19	9%	630				
14	Cindenow South		75	246	146			69	6		9%	663				
15	Newlands Arm		75	250	290			65	4	6	3%	681				
16	Newmorella		72	229	229			61	50	1	3%	719				
17	Wiseleigh		66	229	229		1	50	11	-4	FN	781				
18	Eagle Point.		84	290	224	2	.9	64	.7	2	2%	763				
19	Benardera	Litherer	-49	189	189		7	16	22	4	2%	781				
20	Raymond Island		66	221	174	13		41	2	50	2%	801				
21	Granite Rock		55	137	187			55			2%	817				
22	Dimesod		58	185	185			49	1		1%	80				
23	Movert Taylor		42	123	129			38		1	1%	845				
24	Bendoc		33	120	120			21	12		1%	851				
25	Entary		22	111	111		1	5	5	tt	196	871				
26	Gipsy Puert		14	110	110	-	5	25	2	2	1%	881				
27	Tambo Upper		48	109	109		15	32	1		1%	891				
28	Wintpue		26	.96	96	-	3	14	.9		1%	501				
29	Lake Tyers Beach		19	100	95	2			1		1%	919				
80	Lindenow		91	87	87	-		10	1	-	1%	921				
31	Coburgra		22	79	79		1	15	2	4	196	931				
52	Bumberrah		28	76	76	-	-	26	2	-	1%	941				
33	Cast Bairmstele		15	65	65				2	5	195	951				
34	Lake Burga		33	93	65			34	-		1%	951				
35	Oub Terrace	Bernen A	15	62	62	-	1	10	2	1	1%	901				
36	Calimna		39	124	54	27	-	6	2	4	1%	979				

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					A Score		Nordaw of properties with OWMS in each risk category					
Risk rank within Shire	Township	OWESC	Cumut	Current Mak Score	Sever Infiliad ISA	Second Ave.	3		ł	Vary High	-	Raning Total
37	Boole Poole		33	144	44		25				0%	97%
38	Cabbage Tree Creek		9	-41	41			3	5	1	0%	580%
89	Fembank.		18	40	40			11	2		0%	58%
-40	Genoa		6	35	85			1		5	0%	98%
41	Marlo		18	82	32			18			0%	99%
42	Orbosz.		.8	28	28			- 6		2	0%	99%
43	Ballamoral	_	7	28	28		- 1				0%	99%
-44	Beindale		11	29	22	3		. 9			0%	100%
45	Omeo	L Horne	3	14	14			1	1	-1	0%	100%
46	Hillude	_	5	12	12			5			0%	100%
47	Xalimna West		2	6	6			2	-		0%	100%
48	Sohosonville		1	2	2	-		1			0%	100%

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Property Risk Score for Onsite Systems - Sarsfield

Figure 8-6. Property risk for unserviered properties in Buchan and Sarsheld

8.3.1.3. Declared water supply catchments

The acceptable housing density within a Declared Water Supply Catchment (DWSC) is 1:40 ha except for planning zones where a permit is not required to erect a dwelling. The main clusters of houses exceeding the density limit of 1:40 ha within the relevant planning zones are located at Gormandale and Glenmaggie/Coongula (Table 8-12, Figure 8-7) while smaller clusters occur at Dargo and Benambra (Figure 8-8 to Figure 8-15). These areas are a priority for compliance assessments.

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Table 8-12. Water supply catchments (WSC) within each Shire	With the exception of Maffra and Heyfield, all the
catchments are Declared Water Supply Catchments (DWSC).	

Density	Declared Water Supply Calcheventy	Number of annewered houses not complying with maximum allowed density (1 house in 42 ha)	Planning Zone exceeding the DWSC density Orothe systems in not residential and taxeship planning process serve tool included in this americanced
East Gippsland	Berrarn Niver	0 (of 20)	
DWSG	Brodelbb Niver	0 (of 10)	<u>4</u>
	Bushan River	0 (of 4)	1
	Cann River	2 (of 95)	FZ1 near Cann Niver
	Lake Hume	40 (of 160)	18 in FE1 near Omeo and Glen Valley, 22 in RiZ3 in Colompra
	Mitchell Niver	D (M N)	-
	Tambo River	10 (of 33)	FZI neur Sailts Creek
Wellington DWSCI	Agnes River	(# foj:0	
1:40 ha	Macalister Niver	136 (of 169)	11 in FZ, 12 in RC21 and 113 in Ri22, mainly in Glenmaggie and Coonguita
	Merrimans Greek	97 (of 188)	15 in RLZ2 et Gormandale*, #2 in F2 near Stradbroke, Willung, Willung South, Gormandale and Calignee North
	Mitchell River	22 (of 71)	19 in FZ, 9 in RLZ2, all in and around Dargo
	Tarra River	0 (of 1.1)	

* At the time of writing, 12 lots on north Calladale Court that were incorrectly zoned RL22 are under review and expected to be changed to T2.

The data in Table 8-12 for each DWSC is for the entire catchment. To further prioritise onsite systems for compliance assessment, the township areas in each DWSC were selected from the risk assessment using GIS query tools (Table 8-13). Onsite systems in these towns can be considered to have the highest priority for compliance assessment.

				1	1	Humber of properties with OWMS is each visk category					of Texa
Rick rank within Shire	Tasandap	DWSC .	Course .	ł	Sever leffled R	Second Area	3	Mediana .	1	April 1990	
Wallington Sh	ire :										
7	Gleomaggie	Macalitier R	96	437	553	1		T.	61	27	4%
34	Datga	Mitchell R	45	283	283			12	3	30	2%
20	Coorgella	Macalister 8	34	164	196	1		- 06	24	9	1%
28	Gormandale	Merrimans Gk	39	101	101		2	36	1		1%
88.	Licola	Maculister R	16	74	74			10	3	3	1%
ast Gippslarid	1 Shire										
- 19	Benambra	Liture	49	189	189		-7	16	22	-4	- 2%
85	Club Terrace	Berren R	15	62	62		1	10	2	2	1%
-45	Omeo	Litterne	3	14	14			1	1	1	0%

Table 8-13. Towns in declared water supply catchments sorted by onsite system risk.

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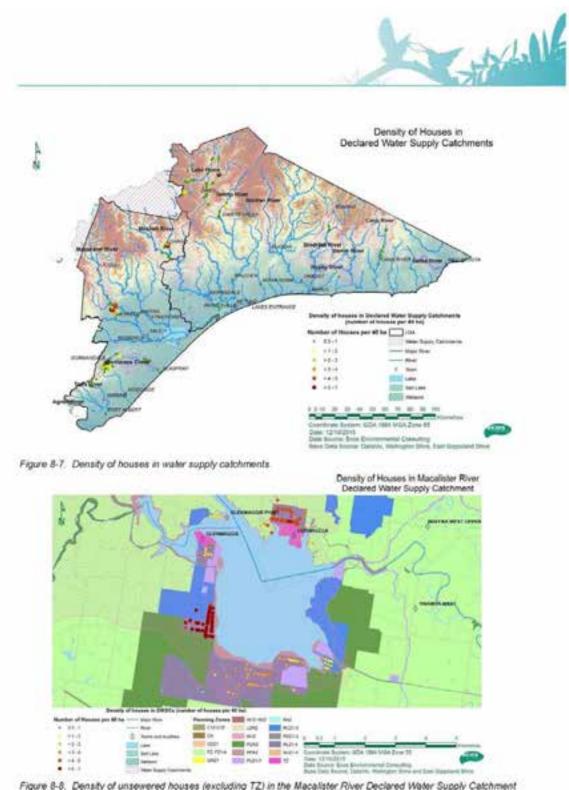


Figure 8-8. Density of unservered houses (excluding TZ) in the Macalister River Declared Water Supply Catchment around Lake Glenmaggie.

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 Call 1 1 1 1

 Call 1 1 1 1

 Call 2 2 1 1 1 1

Figure 8-9. Risk for unsewered properties in the Macalister River Declared Water Supply Catchment around Lake Glenmaggie

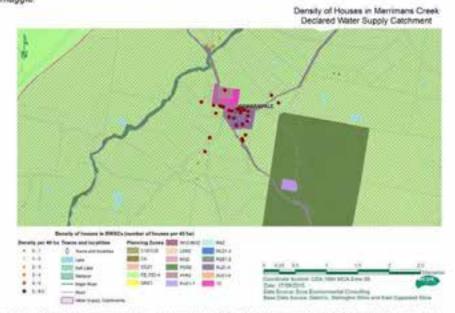


Figure 8-10. Density of unservered houses (excluding T2) in the Merrimans Creek Declared Water Supply Catchment at Gormandale.

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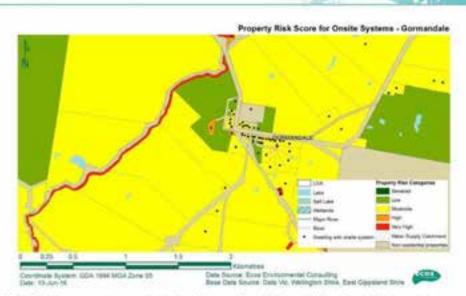


Figure 8-11. Risk for unservered properties in the Merrimans Creek Declared Water Supply Catchment at Gormandale

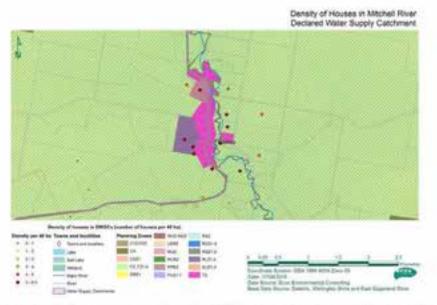


Figure 8-12. Density of unservered houses (excluding T2) in the Mitchell River Declared Water Supply Catchment at Dargo.

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14.11



Property Risk Spore for Onsite Systems - Dargo

Figure 8-13 Risk for unsewered properties in the Mitchell River Declared Water Supply Catchment at Dargo. Density of Houses in Lake Hume Declared Water Supply Catchment

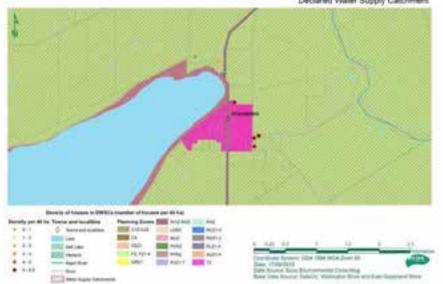


Figure 8-14 Density of unsewered houses (excluding TZ) in the Lake Hume Declared Water Supply Catchment at Benambra.

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Figure 8-15. Risk for unservered properties in the Lake Hume Declared Water Supply Catchment at Benambra.

8.4. Summary - high, medium and low priority areas

The risk mapping exercise described in the previous sections can be used to set broad priorities for the protection of catchment water quality including declared water supply catchments. The Ministerial Guidelines were designed to assist in the protection of open, potable water supply catchment areas and set out the requirements for DWMPs. Thus high risk houses in the declared water supply catchments should be rated as having the highest priority for compliance monitoring and require the highest degree of oversight. High risk houses outside of the declared water supply catchments should be rated a medium priority along with medium risk houses inside the water supply catchments. All other properties can be considered low priority unless site specific matters not addressed in the risk assessments dictate that they should be treated as a higher priority.

Priority for compliance monitoring	Description
Hah	Iligh risk houses in the declared water supply catchments Properties less than 1km upstmam from a drinking water supply reservoir
Medium	High risk houses outside of declared water supply catchments Medium risk houses inside of declared water supply catchments.
later	 All other properties (unless site specific matters not addressed in the risk assessment dictate that they should be treated as a higher priority)

Table 8-14. Priorities for compliance monitoring

8.5. Wellington Shire Growth Areas

8.5.1. Longford

Longford is highly valued by its community for the rural residential lifestyle it offers, within close proximity to the services and facilities of Sale. The settlement has been identified in the Sale Wurruk and Longford Structure Plan (Wellington Shire Council 2010) as its main growth area for rural lifestyle living. Sale Common, part of the Gippsland Lakes Ramsar listed wetlands, is located directly north of Longford. The

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Longford Development Plan (Wellington Shire Council 2015) sets out the framework for approximately 500 to 700 rural living lots with an average lot size of 8,000 m² (Table 8-15).

The Development Plan was adopted by Council in 2015. Prior to development further detailed background work will be required to be completed on the 11 precincts described in the plan.

Longford has two areas where intensification of residential densities might be optional subject to the appropriate severage provisions. The first area is the golf course, 300 lots can be developed on this site subject to appropriate severage. The town core, roughly between the Longford Hall and the Primary School has also been identified as having the potential for a more intensified residential use subject to reticulated severage provisions over the longer term.

8.5.1.1. Estimating increase in risk from future development

The current average risk per dwelling, calculated using the OWMS risk scores, was used to estimate the likely risk per future dwelling (Table 8-15). With increased density if rezoning occurs, the total risk for the town will greatly increase due to the extra dwellings. The predicted future total risk in the absence of reticulated sewerage or other risk management measures is 1,689 which would place it ahead of Golden Beach within Wellington Shire in terms of onsite wastewater system risk.

Note that although the flow distance to the nearest waterway is a key risk factor, it does not take into account the fact that the nearby wetland, Sale Common, is a high conservation value wetland of international significance (listed under the International Ramsar Convention). This fact should also be considered when planning for future wasterwater management at Longford.

Zone	Current number of proporties with oncits systems have per sisk cate system per sisk cate	a second a second s	Proposed Redevelopment Change	Current Risk	Likely Rek - F2 connect to RUS, T2 sensewored	Likely Biok 172 reasoned to RU25, 172 & CD23 senseed	
π	Moil - 25 High - 24 Very High - 9	Mod - 2 High - 4 Very High - 1	Server and upgrade to GR12	Current town risk		Ukely town rolk if all proposed development	
conz		D	Sale Golf Course Plan is for 300 sewered dwellings	(12+CD12+RL21)	Likely town risk if 42 is reposed to 6L25 and 72 remains unsevered +2,187	occurs and TZ is sewered within CO21 = 1.893	
RIZ1	Mod - 234 High - 2 Very High - 1	Mod - 33 High - 2 Very High - 4		Current town risk = 1.068 (above plus 72 area marked for		If half of ALZ also sevened in addition to TZ and CD1Z - 980	
FZ in anna marked for reponing to RLZ5	Mod 81 High 1	Low - 2 Med + 15 Very High - 18	Mod-15 RL25, taking property count			If all of RLZ also sewered in addition to T2 and CD12 > 0	

Table 8-15. Estimated future development for Longford and associated risk estimates if unservered.

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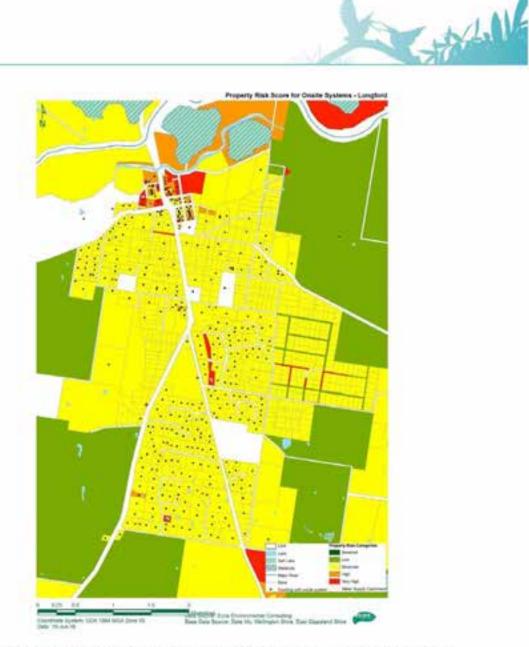


Figure 8-16: Property risks for unsewered properties in Longford, assuming F2 rezoned to RL25 and T2 not sewered. Dots show approximate locations of currently unsewered dwellings. Please note that the proposed properties and subdivisions identified in this map as a part of the Longford Development Plan have not been approved. They are potential opportunities only. Contact with Council should be made to gain the most up to date information on specific properties.

8.5.2. The Rural Living Areas

Wellington Shire has 58 areas with a Rural Living Zone applied. Within the 58 areas there are 1780 parcels. The Rural Living Zones have minimum subdivisions sizes identified ranging from 0.6 Ha to 4 Ha. The minimum lot size for a house to be built on a lot is 0.4 Ha.

Most Rural Living Zone areas are in close proximity of a township. Significant rural lifestyle areas can be found in Longford, Briagolong, Stratford, Maffra, Rosedale and north of Heyfield (including Seaton and around Lake Glenmaggie).

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Not all Rural Living areas are fully developed. Of those, land within Rosedale and Heyfield has recently been rezoned for rural living purposes in response to anticipated pressure for growth.

8.5.3. Coastal towns

All coastal settlements in the Wellington Shire are subject to a Settlement Boundary Plan, which is reflected in the local policy within the Planning Scheme and the zones applied. Outside the settlement boundary development is restricted due to the vulnerability of the coastal area and environmental constraints. The township's main function is for tourism and to provide for holiday houses. There will be limited growth in these settlements - all within the existing town boundaries (although in Golden Beach around 50% of the blocks are vacant).

8.5.4. Growth area risk assessment

Based on the approach used for Longford in Section 8.5.1.1, the risk assessment scores were estimated for potential future dwellings for all Wellington Shire unsewered localities. The change in total risk was then calculated and is presented for each township in Table 8-16, and displayed graphically for the 25 top ranked townships (ranked by amount of change in risk) in Figure 8-17.

For Wellington Shire the growth in future onsite wastewater risk is dominated by Golden Beach and followed by Longford due to the reasons described in Section 8.5.1. The figure was constructed assuming full development consistent with existing growth plans. Under this scenario, Longford accounts for around 11% of the future risk growth for the Shire.

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Table 8-16. Estimated change in risk from onsite wastewater management systems due to potential future development for Wellington Shire townships. Towns show in grey font are sewered to various degrees. OWMS = Onsite Wastewater Management Systems.

	(conner)	Sewer	40025555	Potential					
Township	Correct	1410	Potential	Current	Potential	#OWMS -	Total Risk		
Daynamag	Red		814	# CHARACE	# DWMS	TOTALS .	Change		
		nis.							
Advertise prevented	16	16	482	4	100	96	46		
Boisdale	157	157	168	28	30	2	1		
kiagolong	1368	1368	1498	414	459	45	. 13		
Carranne	113	113	124	28	31	3	1		
Contractor time model	164	196	259	34	42	8	6		
Cowwarr	397	397	437	81	92	11	4		
Dergo	283	283	376	45	61	16			
Devon North	122	122	135	47	52	5	. 1		
Gengarry	28	28	34	10	11	1			
(decompage (unamend)	437	553	695	98	117	21	14		
Sormandale	101	101	101	39	39				
inghist towned	225	231	462	90	168	78	23		
Hollands Lawrling	70	70	120	16	28	12	5		
Gimeny	35	35	40	12	14	2			
Langiborough	230	230	249	41	45	4			
Umla	74	74	74	16	16	0	-		
Lor A Specific exercised	14	19		10	1.0				
	10000		1000		1.11				
* Longford (no development)	849	549	1003	295	341	46	15		
* Longford (including area of FZ to be	1068	1068	1893	377	979	602	82		
seconsed in proposed development)									
with reported P2 > 8125	219		271		107	10			
staffed (accorded)		219		00	107	19			
Varins Beach	442	442	450	79	01	2			
VicLooghins Beach	963	963	1002	172	179	7	3		
Moomaga			5		2	2			
Muhro	60	65	90	28	29	1			
Myrthebask	28	28	33	. 11	12	1			
Newry	221	221	229	47	49	2			
Newty Mile Beach: Golden Beach A	2276	2276	4359	493	931	436	208		
kmety Mile Beach: Paradise Beach *	1201	1281	1963	266	429	143	68		
Niverty Mile Bench: The Honeynockles	1495	1495	1551	268	278	10	5		
Pearsondele	18	18	18	7	7				
Putr Albert (pranned)	6	0	0	1	1				
Robertsons Beach	364	364	370	65	66	1			
Receive powered	267	267	322	75	87	12			
Sette (searced)	128	128	166	39	48	9	3		
Security (stated)	54	54	88	22	33	11	3		
	108	108	224	39	80	41	11		
Seaton Smothing Zankennet	470	463	529	183	210	27			
Lerovile	95	95	101	103	18	- 1	-		
	139	139	162	26	30	4	2		
finamba Non Micro		139		25	27	2	-		
Non Wron	75		82		and the second se	1	-		
Woodside	182	182	199	69	76	5	1		
Woodside Beach	441	441	463	109	114	1.27+	2		
Within permitted	494 80	488	600 84	181 28	215	34	11		

 Longford has been living here twice - once without proposed redevelopment, and one with full redevelopment (Longford Redevelopment).
 For Golden Brach and Paradise Brach, in some cases a dwelling can be built on 1 lot, in other cases; 4 lots should be in the same ownership before land can be developed (WSC Niverty Mile Plan 2015). Therefore, the vacant lots have been calculated on the assumption that an inverage of half could have a new DWMS. "The number of potential new OWMS has assumed that none are installed where the land has been identified as being within a sewered area.

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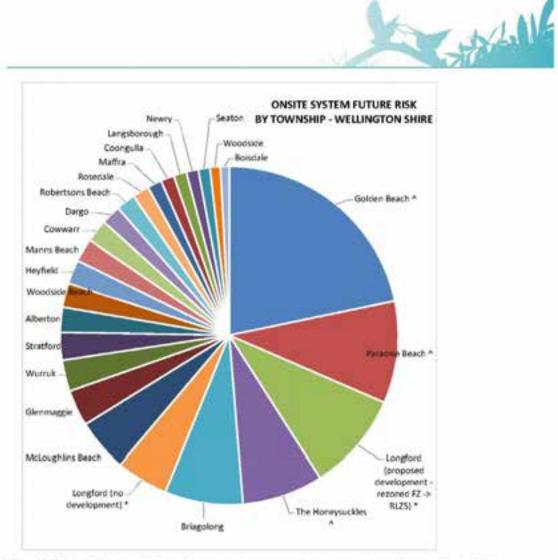


Figure 8-17. Potential future risk from onsite wastewater management system development by township – Weilington Shine. The top 25 localities are shown. *Longford is shown in the graph twice, once for if no development occurs and once for full proposed development. * Towns on the Ninety Mile Beach.

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8.6. East Gippsland Shire Growth Areas

Using the method described in sections 8.5.1.1 and 8.5.4, a growth area risk assessment was conducted for East Gippsland Shire. The calculated change in total risk is presented for each township in Table 8-17, and displayed graphically for the 25 top ranked townships (ranked by amount of change in risk) in Figure 8-18.

The data in Table 8-17 was constructed assuming:

- that GRZ is sewered;
- that TZ where no onsite wastewater management systems locations were provided are also sewered, and
- that all LDRZ and RLZ are unsewered, with the exception of the LDRZ to the west of Metung which is known to be sewered.

For East Gippsland Shire the growth in future onsite wastewater risk is to the north of Bairnsdale at Wy Yung, with a spread of similar risk across a number of towns (Figure 8-18).

Table 8-17. Estimated change in risk from onsite wastewater management systems due to potential future development for East Gippsland Shire townships. Towns shown in grey font are servered to various degrees. OWMS = Onsite Wastewater Management Systems.

Township	Correct Risk	Semor Infill Risk	Potential Note	Current #	Potential # OWMS	Potential new # OWMS -	Tutal Ruk Charge
Boimsdate Area							
Betterstatute (seconory)	29	22	902	33	238	227	890
East Bolesschile Innwerent	65	65	113	15	34	19	48
Dimwood	155	135	185	53	70	17	30
Gramite Rock	137	137	162	55	65	10	25
Lickhear (Sewerstell	404	404	567	149	209	60	163
Voust Taylor	128	128	179	42	64	22	54
Ry Kang (scoremit)	467	467	1106	156	854	198	635
Other East Gippsland towns	Nps						
Romet Rever (severess)	0	0	450		102	102	430
tenambra	189	189	410	49	104	55	22
Bendoc	120	120	186	33	52	19	67
Boole Poole	44	44	58	33	46	13	14
Incoher (spectrus)	414	414	764	124	209	85	354
buchan.	515	\$15	661		133	34	14
Bulhamwood	28	28	94	7	22	15	. 6
henderrah	76	76	95	28	54	6	21
Cabboge Tree Creek	41	41	53	9	11	3	132
Goose Alizent (Serselenind)	0	D	12	10	4	4	1
Club Terrace	67	62	269	15	52	37	20
Cobvergna	79	79	119	22	32	30	3
Cogra Point (Several)	230	224	482		176	92	25
Disay	111	111	141	22	30		36
fembank	-40	40	78	.13	24	- 11	34
Genoa	35	85	54	6	10	4	15
Niproy Point:	316	510	184	34	41	7	21
shide:	12	12	24	5	10	5	11
Internativ (anatom)	2	2	72	1	20	19	. 71
takeney forward	124	54	80	39	47	8	34
Galierana West	6	6	6	2	2	0	4
Dist Berge beared	93	65	69	32	39	1	
tale form from it fare even	100	95	108	39	43	4	11

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Township	Current RbA	Senor Initit Rask	Potential Risk*	Current # OWINS	Potential # OWMS	Puterntial sites # DWM3	Tetal Risk Charge
John Latence Devend	349	301	450	121	176	- 35	149
Lindensta (reserved)	87	87	119	31	43	12	33
Underson South	246	246	350	.75	109	34	104
Rhitlacouter paramyal.	0	0	417		141	141	417
After for parameters (52	32	314	.13	128	115	282
Abdung (Johannol)	542	542	1401	136	942	226	858
Westbridt Arm (Lincons)	290	280	368	75	318	45	158
Newmersfla	229	229	276	72	88	16	47
Nichahan Lanarad	678	678	770	290	.824	34	91
Nowa Nowa	943	545	500	86	127	41	157
Nargumer	474	474	599	101	182	31	125
Orms (sevennt)	34	14	225	1	64	61	211
Orizot Deversel	28	28	188		59	51	160
Provenuille (seaered)	0	0	527	2	77	11	527
Reprinted takent (anerrest)	221	174	258	.66	96	30	80
Sandield	485	485	635	169	220	\$1	149
Same Rolt & Jorgerseld	421	401	1829	128	343	215	928
Savift's Creek	258	258	298	76	85		30
Tanbo Upper	109	109	128	48	56		19
Toorloo Arm	360	1400	\$10	124	178	54	350
Walpa	96	96	118	26	- 33	7	22
Wodeigh	229	229	273	66	80	. 14	44

"The number of potential new OWMS has been determined assuming that none are installed where the land has been identified as within a sewered area.

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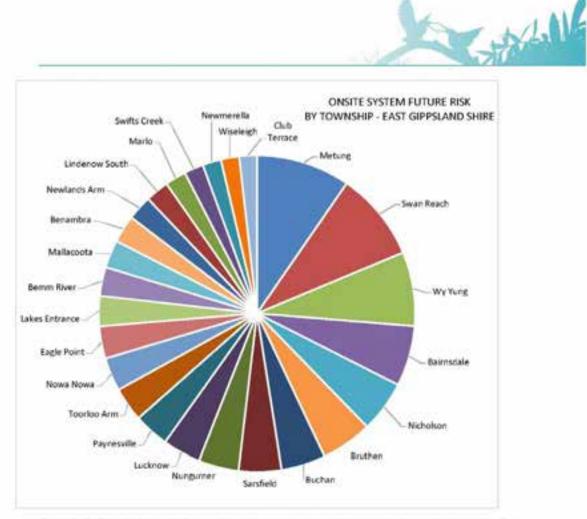


Figure 8-18. Potential future risk from onsite wastewater management system development by township – East Gippsland Shire. The top 25 localities are shown.

8.7. Reporting and periodic review

Key requirements of this DWMP are listed in the Ministerial Guidelines (see also Appendix 1). The Ministerial Guidelines specify that onsite wastewater treatment systems be effectively monitored for their condition and management and that the results of monitoring be provided to stakeholders as agreed by the relevant stakeholders. Stakeholders for this DWMP are listed in Section 6.

It is a recommendation of this DWMP that an annual report be sent to stakeholders describing.

- the results of onsite wastewater management system compliance monitoring;
- enforcement action where non-compliance is identified; and
- annual meetings may be held with stakeholders on an as needs basis.

Monitoring of onsite wastewater treatment systems for their condition and management should include compliance by permit holders with relevant permit conditions and the EPA Code of Practice – Onsite Wastewater Management (EPA Victoria 2013).

Implementation of the DWMP is to be subject to an independent audit by an accredited auditor (water corporation approved), including of monitoring and enforcement, every 3 years. The results of audit should be provided to stakeholders as soon as possible after the relevant assessment.

According to the Ministerial Guidelines, Councils are required to demonstrate that suitable resourcing for implementation, including monitoring, enforcement, review and audit, is in place. It is understood that

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resourcing is unlikely to be available for assessments of all onsite wastewater treatment systems, however the risk assessment conducted for this DWMP has identified a short-list of systems that are a high priority for assessment. These systems should form the focus of compliance monitoring in the first instance.

The DWMP is to be reviewed and updated (if necessary) every 5 years, therefore the next review should be 2021. Steps involved in the review include:

- Convening of a project management team;
- Gathering necessary information, including onsite wastewater management system data for each town. Refer to Action Plans for relevant monitoring indicators;
- Revision of risk assessments for each town/area and create a new list of priorities for improved domestic wastewater management;
- Revision of action plans for the next five years of implementation; Seeking Council approval and adoption of plan in each Shire.

9 Risk management

9.1. Actions Plans

The 2006 DWMP included an ambitious list of actions which was based on a comprehensive review and stakeholder consultation process. Although many of the major items listed were successfully closed off during the operational lifetime of the plan, there remained a number that could not completed and have been carried over to the 2016 plan.

Furthermore, based on a review of actions conducted for the current plan, some actions have been identified as no longer being relevant or a priority due to changing circumstances and improved risk analysis information, and some new action items have been identified. Action items for the next five years are listed in this chapter. A list of closed-off action items from the 2006 DWMP is contained in Appendix 4.

9.1.1. Summary of Strategic Objectives

Each action plan is based on one or more strategic objectives. These are summarised in Table 9-1 and Table 9-2.

Table 9-1. Municipality Wide Strategic Objectives from the 2006 DWMP (all continued on 2016 plan)

86	Description	for 2016 DWM#
L	 The WSC and E05C corrent to entering into a Memorandum of Understanding (MoU) with the referent water corporations that will dearly articulate the fullowing: The level of resources to be allocated to the plan implementation. The allocation of misources to support approval, compliance and maintenance auditing will take loco consideration: The level of support relevant water corporations can provide – the risk proble of the property The ansotiated process that support extreme [i] Communication strategies between Councils and water corporations to brief on plan implementation to brief on plan implementation and completed and signed off by 2D December 2016. Once the MoU in finalities, all partice recognise this process has the potential to relax the Ministerial Catchever Goldeline – Hansing permit applications in open, potable water supply catchevert areas (DEPI 2012). 	New itsen for 2016 OWMP Plan

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No.	Description	Continued for 2018 DWMP			
2	To increase the resources available for management of domestic wastewater to ensure actions identified in this plan can be implemented.	¥.			
3.	To improve regulation and enforcement mechanisms for outdated and non-compliant systems.	- 8			
4.	To improve the distalance of septic tank permit information to underpin implementation of a compliance program and future education programs.	×			
s.	Sevelopment of a community education program for sumeworld properties to improve understanding of how on site effluent systems work, how to achieve best practice management, and how to reduce the risks to policic health and the environment from poorly managed systems. High risk areas are to be targeted by the program initially. These include all priority towns and universered subdivisions of <1ha.	×			
¢.:	To ensure that when new septis tank permits are issued and when properties change hands, owners are informed that a septis tank permit applies to the property and understand the conditions of that permit.				
7.	To ensure town planning policy adequately considers wastewater management issues with respect to minimum allotment size and the implications of establishing resoluted sever on development density.				
	To clarify circumstances in which Land Capability Assessments (LCAs) need to be undertaken and to improve the quality of LCAs reserved.	8			
9.	To monitor the performance of high risk septic tank systems (e.g. AWTSs) to ensure compliance with permit conditions.	×			
10.	To investigate the approach to compliance for other septic tank systems.	- ×.			
n.	To ensure there is a high level of understanding amongst Council staff of the importance of domestic wastewater management and how it can import on other Council functions, such as planning and stormwater management.	÷.			
12.	To maintain and develop working relationships with relevant external stakeholders.	×.			
16.	To ensure ongoing development of Environmental Health staff skills and expertise, and efficient induction and training of new staff.	×.			

Table 9-2. Individual Towns Strategic Objectives from the 2006 DWMP. Objectives carried through onto 2016 plan are shown with a tick. Revised and new objectives are noted.

80.	Description					
:10	All high and medium priority towns - determine and set minimum lot size required for sustainable onsite management and determine approach to undeveloped lots that are smaller than this minimum.	×				
2.	All high and medium priority towns - undertake community education to athieve improved domettic wastewater management and to encourage initialiation of improved systems where required.	÷.				
(3i)	All high and medium priority towns - develop a targeted monitoring and compliance program.	- KO				
4	Dargo, Cowwarr, Swifts Creek, Buchan, Disay, Nowa Nowa, Bendoc, Newmenella, Ladenow South - Investigate Improved stormwater management, building on existing actions in the Stormwater Management Plans, to reduce public health risk (e.g. covers over draim) and to reduce environmental impact (e.g. wetlands, reed beds). (Note: Alterton removed from 2015 fait due to being severed)	ś				
5	Metung Eau/Nangumer - work with council planning department to ensure Municipal Ranning Scheme reflects development potential from a westmuster management perspective.). (Note: Metung East has been partially sewered since 2006)	÷				
6	West Wy Yung - work with East Gippsland Water to consider options for connecting to the marky sever system.	2				

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Ma.	Description	Continued for 2016 DWMP				
7 , 1	Briagolong - investigate risk to groundwater in further detail and determine capacity for further unservented development.	×.				
A	For the southern Ninety Mile Beach region (Golden/Paradhe Beach, Woodside Beach, The Honeyworkles, and McLongNinn Beach) and for Mamrs Beach and Robertsons Beach to the south west - determine approach to onsite management based on land capability.	for 2015 plan]				
9.1	Hollands Landing - determine sustainable approach to onsite management of domestic westewater.					
10.	Sewer Infill - determine strategic approach to sewer Infill, e.g. restrict subdivision or ensure subdivided areas are sewered.					
11.	Wellington Shire - develop doser relationship with Gippsland Water and investigate options for expansion of server system in larger townships based on development plans and risk assessments contained within the DWMP.	 (revised for 2006 plan) 				
12.	Based on the risk assessment conducted for this DWMP, the onsite wartewater management systems in the following Declared Water Supply Catchment tawnships; Dargo, Gormandale, Licola, Glenmaggie, Seaton, Benambra, Club Terrace, and Omeo, should be subjected to a Berther risk assessment Deckeller a site inservitorit. The results of the risk assessment should					
13.	in East Gippsland Shire, the distribution of risk from onsite westewater systems is more evenly spread over a range of teenships earors the Silee and is mainly due to risk to providwater. The top 10 townships (Nickolson, Sandield, Wy Yang, Loderow, Toorloo Arm, Bruthen, Lakes					
14	Gendersow South - undertake community comultation to determine whether area chould be sewered or rezoned to restrict further subdivision (No Imager a strategic objective, does).	×				
15	Alberton - work with South Gippiland Water to investigate potential for sewering town to nearby Tarraville treatment plant (which services Tarran). (No longer a strategic objective, town near sciences).	*				
16.	Serven Niver - apply for external funding to assist in investigation of sustainable wastewater management approach. (No longer a strategic objective, town row several)	×				
17.	Banksia Peninsula - kaise with East Gappsland Water regarding current sewer investigation and, if sewering is not implemented, determine approach to sustainable omite disposal. (No longer a strategic objective, area now sewered)					
18	Coopella/Oferenaggin and Loch Sport - continue role as partner in investigation into innovative tokations to domestic waitewater management (No Konger a strategic objective, teams new sewmen)					
19,	Coastal towns - ensure domestic westewater management issues are incorporated appropriately into Coastal Townships Urban Design Framework. (No longer estimategic objective, domestic westewater management bases now incorporated into (XXP)	×				

9.1.2. Issues-based Action Plans

Issues-based action plans were developed in 2006 and reviewed and updated in 2016 and address the following areas:

- · Capacity building;
- Information management and data collection;
- Community education;
- Strategic planning;
- Land capability assessments;
- Monitoring and compliance;
- Building better partnerships with internal and external stakeholders;

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Training for environmental health officers.

Priority area for implementation and related strategic objectives for each issue are detailed in Table 9-3.

Table 9-3. Issues-based action plans. Responsible person is the Environmental health manages/co-ordinator

Street Imple	Priority area for	Stratagic shjartives
Capacity Building (CB)	All of municipality	To secure resources to ensure actions identified can be implemented. To improve regulation and enforcement mechanisms for outdated and noncompliant systems
information Mana	present and Data Collection	n (1M)
Update septe tank permit database	identified high risk properties	Enhance existing database of septic task permit information to undergin implementation of a compliance program and future education programs
Establish Septie Tank Details at Osange of Ownership	All of municipality	Droute new property owners are informed of the existence of a septic tank and any recorded publicm. Where a septic tank permit cannot be located establish the details of the septic system.
Commenty Education	ciun (CE)	
	High risk areas are to be targeted by the program initially. These include all priority towns and unsewerd subdivisions in TZ, LDRZ and RLZ	Raise awareness of septic task management; Change the behaviour of barne owners and achieve a higher level of compliance with permit conditions and best practice management;
Strategic Planning	(5P)	
	All of maniquality	To ensure land use planning policy adequately considers wastewater management issues with respect to minimum allotiment size and the implications of establishing reticulated sewer on development density in the Planning Scheme.
Monitoring and Co	impliance (MC)	
Congliance	valually priority towns/areas, expanding to whole of municipality dependent on experience in priority towns	To monitor the performance of high risk septic task systems (e.g. AWT5s) to ensure compliance with permit conditions. To investigate the approach to compliance for other septic task systems
Building Better Par	caterships with internal and	External Stakeholders
loternaf stakeholder oommunication (5)	tooos/areas, expanding	To ensure there is a high level of understanding of the importance of domestic wastewater management and how it can impact on planning and stornwater management.
External stakeholder communication (IS)	vitially priority towns/areas, expanding to whole of manicipality	To maintain and develop working refationships with relevant stakeholders.
Training for Enviro	nmental Health Officers (7	N)
	Within EH Department	To ensure ongoing development of environmental health staff skills and expertise, and efficient induction and training of new staff.

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Action	Action steps	Team	Enestraints	Manitoring	Completion Data	Comments and action takes (since 2006 place)
-			and risks	Indicators		Dance constituent
63	investigate external funding opportunities, e.g. Community Water Grants, Victorian Water Smart Fund.	EH, MAV, DOUWP	Pundleg availability	Amount of handing obtained.	Ongoing	Berrum River, Cann River, Tandoo Bhaff, Michang East & Banksia Penn, Loch Sport, Coongolla, Alberton & Glearnaggie sewered (funding gained from CTW855)
N.2	Refine existing database to errore sofficient information is included. Assess meet for software enhancement.	ы	Resources required	Database opdated.	2016	Oregoing
N.3	Develop a list of unservered properties that do not have septic tank permit details included in the database.	DH. Rates Office	Security of information.	List evailable to be printed.	2018	Ongoing
N/A	Compile existing hard copy files and determine value of transferring information to electronic database. If worthwhile determine process for undertaking transfer.	DI	Resources required. Condition of hard copy files.	No. of hard copy liles found. Transfer process documented.	2017	Ongoing 1000+ file details addee
N.2	Develop an audit program for properties without septic tank permit details in the electronic database. (Coold include seeklog records from phonbers who install systems in the area.)	EH.	hesources impared.	Audit program documented.	2018	Not done, however both Shines are looking at this as a Long Term Program. Further investigation in high risk unsets.
M.11	Determine process for establishing the type and location of the system when there is no record of a septic tank permit.	ы	Resources required.	Process documented.	2018	Orgoing as part of 1. Harving referral process 2. Complaints process 3. Transfer of property process
IM.34	Add septin tank details to property database.	54		No. of records added due to change of comership.	2016	Orgung
CE.4	identify ownership details in priority areas,	DH, Nates office	Security of information	Unit available to be printed.	2017	in progress
ct.s	Distribute fast sheets to residents in priority areas. Where type of septit systems is known, target fast sheets sent.	54	Resources required.	No. queries from residents who received fact sheets.	2017	Required in high risk areas – will implement target areas
99.I	Facilitate internal workshop between Environmental Health, Planning and Digineering departments of Council to increase understanding of domestic wastewater issues. (In conjunction with actions (5.1 and TR.1)	DH, Planning Dept., Dept., Dept.	Staff availability	tio. of meetings/ workshops held.	2016	Orgaing
97	imentigate and resolve the extent to which existing planning scheroe provisions reflect the land use constraints associated with the inability to dispose of wastewater on site.	Marming Dept., DH.	Restriction on development potential. Staff and resources required.	Land use constraints in relation to omite waste water utigosal identified.	Ongoing	Revised Item Standard setbacks in compliance with the EPA Code of Practice.
57.8	Determine the need to develop a Special Water Catchenent Policy or similar tool to have an agreed strategic approach between Council and all Water Corporations.	Planning Sept, DH, External Stakeholders	Restriction on development potential. Staff and resources required.	Agreement on the need for a Special Water Catchment Policy or similar tool.	Ongoing	Aevised item Strategic Planning matter in conjunction with Wintstend guidelines and GiS risk analysis.
9.9	Review the case for expansion of sever system for Longford in conjunction with Gloppiland Water	Planning Dept., EH.	Restriction on development potential.	Agreement on extension of sewer network	Origoing	New to 2016 DWMP

Table 9-4. 2016 DWMP Action plan for Wellington and East Gippsland Shire Councils

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Action No.	Attion steps	Team	Constraints and risks	Monitoring Indicators	Date	Constructs and action taken (since 2006 plan)
MC.1	For high risk systems develop system that requests landholders or their service agents to submit evidence of maletemence on a quarterly leads and sampling results annually.	БН	Landholder reaction to increased expectations. Availability of service agents.	Percentage of properties with treatment plants that send mantemance report.	2016	Orgoing maintenance however sampling results not undertaken by either Shire.
MC2	Establish a system on the information database to remind EH Dept when next submission due.	ы		System established.	3016	Ongoing development
MC3	Prepare a standard letter to be sent to lendbolders if maintenance details are not submitted.	D4, MAV		Letter completed.	2016	Orgoing development
NC4	Send letter to kendholders if maintenance details are not submitted within one month of the due date.	ы	Resources required.	No. of reminder letters sent.	2016	Onpoing development
MCS	Develop policy and procedures for dealing with non-compliance.	ы	Legislative power to act on noncompliance. Resources required.	Policy and procedures documented. Process for implementation developed.	2016	Ongoing development
MCA	Develop system for impection of properties with high risk systems (e.g. AWTSs).	D4	Resources required.	Imperian process documented.	2017	Quarterly reports received and receising action taken (WSQ) Dest Gippland do not undertake consistently however will be fully implemented during tenurs of glan
MCN	investigate approach to improving compliance for other (non AWTS) septie tank systems.	PH	Resources required.	Investigation outcomes documented. Complance program revised.	2017	Orgony development
NIC.10	independent audit by an accredited auditor (auter corporation approved) of implementation of the DWMP, including of monitoring and enforcement, every 3 years;	ы	Resources required.	Audit outcomes documented. Compliance program revised.	2019	Orgoing development
MC.11	Councils are required to demonstrate that suitable resourcing for implementation, including monitoring, enforcement, review and audit, is in place.	EH	Resources required.	Work plan for EH Department waterwater management attactors, developed. Evidence supplied to external stakeholders	Dec 2016	Avenual review for the following 12 months
61	Brief Council Teams regarding impact of DWWP outcomes on planning, stormwater and so on (potentially in conjunction with action TR.1)	D4, Planning, Infrastructure	Availability of staff	No. meetings/ workshops held.	2016	Orgoing
5.5	Provide annual report to internal stakeholders (Council, Planning Dept, infrastructure Dept, etc.) on progress of DWWP.	DH, internal stakeholders	Resources required.	Annual reports distributed.	Ongoing	Refer 553
15.3	Provide annual report to external stakeholders on DWMP program.	DK external stakebolders	Resources respired.	Annual reports distributed to stakeholders.	Ongoing	Not done

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Action No.	Artion steps	Team	Constraints and risks	Monitoring	Complition Date	Comments and action takes (silenz 2006 plan)
5.5	molve external stakeholders in the review of the DWWP. Undertake review in 2021.	D4, external stakebuilders	Tane taken for enternal stakeholders.	No. meetings/ workshops held.	Ongoing	Revised action item, Previous review should have been completed in 2010 bet was undertaken in 2015
857	The results of the three-yearly audit to be provided to stakeholders as soon as possible after the relevant assessment.	D4, external stakeholders	Time takes for external stakeholders.	Arafic completed and report forwarded to external stakeholders	2018	New action Rem
18.3	Maintain owaresens of MAV and industry seminaru/workshops relevant to domestic wastewater management and attend sessions as training budget allows.	D4, MAV, Industry Groups	Training bedget limits ability of staff to attend seminars.	No seminary/ workshops attended by staff.	Ongoing	Ongoing

9.1.3. Action Plans for Priority Towns/Areas in East Gippsland Shire

Priority area for implementation	Strategic objectives
Buchuri, Swifts Crock, Nowa Nowa, Bissy, Bendoc, Newmenille (River)	 Determine and set minimum hit size required for writainable onsite management and determine approach to undeveloped lots that are smaller than this minimum. Undertake community induction to athleve improved domestic watcemater management and to encourage installation of improved systems where repaired. Develop a targeted monitoring and compliance program. Investigate improved stormwater management to reduce public health risk and onvicormental import.
(Indexia South (Lind)	 Determine and set minimum lot size required for sustainable orotic management and determine approach to undeveloped lots that are smaller than this minimum. Undertake community education to achieve improved domestic wedlewater management and to encourage installation of improved systems where required. Develop a targeted monitoring and compliance program.
Nungumer and Wetlang (Nun)	 Determine and set minimum lot size required for sustainable onster management and determine approach to undeveloped fots that are smaller than this minimum. Work with council planning area to ensure Municipal Planning Scheme reflects development potential from a wastewater management perspective. Undertake community education to achieve improved domestic wastewater management and to encourage installation of improved systems where required. Develop a tangeted monitoring and compliance program.
Gipey Poert (Gipey)	 Undertake community education to achieve improved domestic wastewater management and to encourage installation of improved systems where required. Develop a targeted monitoring and compliance program.
West Wy Yong and other Sewerage Infill (Wy)	 Work with East Gippeland Water to consider options for connecting to the nearby sever system. Lindertake community education to arhieve improved domestic wastewater management and to encourage installation of improved systems where required. Determine strategic approach to sever infill, e.g. restrict solidivision or ensure subdivided areas are sewered.

Table 9-6. East Gippsland Shire Action Plans for Priority Towns/Areas

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Action No.	Action steps	Team	Constraints and Risks	Monitoring Indicators	Date	Comments and action taken (sinc 2006 DWMP)
tiver.3	Dosire new houses and upgraded systems implement full onsite disposal.	D4	Land capebility.	No. of septic tank permits issued.	2016	Completed - ongoing
iver.4	investigate improved stormwater management to reduce public health risk, e.g. covers over drains.	D4, Stormwater	Resources required.	investigation outcomes documented and action plan revised.	On Going	Not done
lver.5	investigate improved stammater management to reduce environmental impact, e.g. wetland, reed bed.	EH, Stormwater, EGCMA EPA	Resources required.	Investigation outcomes documented and action plan revised.	On Gaing	Not dane
iver.6	Develop a monitoring and compliance program (linked to actions MC1 8)	DH	Resources required.	Program implemented.	2019	Not done
(ind.4	Community education to achieve improved management and encourage installation of improved systems (part of actions CE.4.8, CE.5).	ы	Ability to klentify landholders requiring information.	Factaborets sent.	2018	Councils and OGA strategic policy to encourage development in Lindenow server district
ued3	Distance new horses and upgraded systems implement full onsite disposal.	214	Land capability.	No. of septic tank permits issued.	Completed	Completed
and 6	investigate improved stammater management to reduce public health risk, e.g. covers over drains.	zis, Stornweier	Resources required.	investigation outcomes documented and action plan revised.	On Going	Not done
und 7	investigate improved stormwater management to reduce	DH, Stormweter DSCMA, DA	Resources required.	investigation ovecomes documenced and action plan revised.	On Going	Not done
Linda	Develop a monitoring and compliance program (linked to actions MC.1.9).	ы	Resources required.	Program implemented.	2018	Not done
Nun.3	Undertake community education to ensure improved management of septic systems grant of actions CE.4 & CE.5).	сн	Ability to identify landholders requiring information.	Factabeets distributed	2017	See CE 4 and 5
Non.4	Develop a monitoring and compliance program (Inded to actions MC.1-8).	D4	Resources required.	Program implemented.	2017	See MC 1-9
Gipny 1	Community education to achieve improved management if severing not implemented (part of actions CE4 & CE.5).	ы	Ability to identify landholders requiring information.	Factsheets distributed	2017	Not done
0ipty:2	Develop compliance and monitoring program if sevening not implemented. (Linked to actions MC.1-9)	ы	Resources required.	Program implemented.	2017	Not dave
WY.4	Where sewering will not come undertake community education to ensure improved management of septic systems (part of actions CE.4.8 CE.5).	ен	Ability to identify landbolders requiring information.	Paciaheets distributed	On Going	Not done
Wy.5	Develop a monitoring and compliance program for unservered areas3 (linked to actions MC.1-9)	54	Resources required.	Program implemented.	2017	See MC 1-9

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9.2. Comment on planning action items

9.2.1. Stormwater management in unsewered townships

It is acknowledged that implementation of wetlands or reed beds would require ongoing management and maintenance to ensure their effectiveness. Where this approach is taken a supporting monitoring and evaluation program would be developed.

9.2.2. Monitoring and Compliance

On construction of a new home or renovation of an existing home that incorporates a septic tank system, a septic tank permit is issued that details:

- The type of system and the conditions relating to installation and maintenance of the system;
- The approved installation plan incorporating positioning of the proposed effluent disposal area.

A compliance program seeks to ensure that property owners are complying with the conditions of the septic tank permit. This can be achieved by:

- AWTS monitoring certificates of maintenance and sampling requirements submitted regularly by property owners to councils;
- Conducting a rolling program of regular site inspections in high risk areas and for high risk systems.

Note that the maintenance and monitoring required is dependent on the type of septic system in place. Regular compliance monitoring is particularly relevant to Aerated Wastewater Treatment Systems (AWTSs).

Compliance is a legislative responsibility for Local Government. Appropriate enforcement activity will be undertaken on the systems that are bought to the attention of Shire Council.

9.2.3. Community education program for unsewered properties

Further to the community education action items listed in Table 9-3 and Table 9-6 it is recommended that a community education program be developed for unsewered properties with the following aims.

- to improve understanding of how onsite westewater management systems work,
- provide guidance on how to achieve best practice management; and
- provide guidance on how to reduce the risks to public health and the environment from poorly managed systems.

Areas will be addressed in order of priority.

9.2.4. Consideration of planning instruments

The use of planning instruments to control the risk of effluent moving offsite from domestic wastewater systems is a complex area and could involve a number of potential measures (e.g. development of new ESOs, use of \$173 agreements, etc.). Council planning departments have extensive experience in this area and it is recommended that the Council Environmental Health Departments work with their Planning Departments to develop appropriate approaches for each municipality.

9.2.5. Changes to legislation for a levy to support compliance monitoring

An ongoing issue for Councils in Victoria is that they do not have a revenue source to cover the cost of ongoing compliance monitoring. This is a statewide issue and requires legislative changes to allow councils to levy charges for compliance monitoring. Wellington Shire and East Gippsland Shire Councils will continue to explore opportunities to progress this issue at the state level.

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Appendix 1 - Statutory Framework

10.1. Relevant legislation specifying DWMP statutory requirements

As stated in Section 3, the requirement for local Governments in Victoria to develop a DWMP is described in Clause 32 of the State Environment Protection Policy (Waters of Victoria) (SEPP WoV) which is an instrument under the Environment Protection Act 1970. Further specifications for DWMPs are set out in the Ministerial Catchment Guidelines, "Planning permit applications in open, potable water supply catchment areas" (DEPI 2012). The Ministerial Guidelines aim to assist water corporations and other referral and responsible authorities in their assessment of planning permit applications for use and development of land within all open, potable water supply catchments in Victoria.

"Open" water supply catchments are where part or all of the catchment area is in private ownership and access to the catchment is unrestricted².

The following sections summarise the key sections of the Ministerial Guidelines as well as the relevant components of other legislation that are relevant to this DWMP including the State Planning Policy Framework of the Planning and Environment Act 1987.

10.1.1. Ministerial Guidelines (2012)

Each of the following guidelines must be addressed where a planning permit is required to use land for a dwelling or to subdivide land.

10.1.1.1. Guideline 1: Density of dwellings

Where a planning permit is required to use land for a dwelling or to subdivide land or where a planning permit to develop land is required pursuant to a schedule to the Environmental Significance Overlay that has catchment or water guality protection as an objective:

- the density of dwellings should be no greater than one dwelling per 40 hectares (1:40 ha); and
- each lot created in the subdivision should be at least 40 hectares in area.

This does not apply where:

Category 1: A planning permit is not required to use land for a dwelling, to subdivide land or to develop the land.

Category 2: A permit is required but the proposed development will be connected to reticulated severage.

Category 3: A Catchment Policy has been prepared for the catchment and endorsed by the relevant water corporation following consultation with relevant local governments, government agencies and affected persons. The proposed development must be consistent with the Catchment Policy. Or,

Category 4: All of the conditions listed below are met, in which case the water corporation will consider allowing a higher density of development than would otherwise be permitted by Guideline 1:

- the minimum lot size area specified in the zone for subdivision is met in respect of each lot;
- the water corporation is satisfied that the relevant Council has prepared, adopted and is implementing a Domestic Wastewater Management Plan (DWMP) in accordance with the DWMP Requirements (described in Table 10-1) and
- the proposal does not present an unacceptable risk to the catchment having regard to:
 o the
 proximity and connectivity of the proposal site to a waterway or a potable water supply source
 (including reservoir);

² By comparison, in 'closed' catchments, the whole of the catchment area is publicly owned and public access is prohibited.

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- the existing condition of the catchment and evidence of unacceptable water quality impacts;
- the quality of the soil; the slope of the land;
- the link between the proposal and the use of the land for a productive agricultural purpose;
- the existing lot and dwelling pattern in the vicinity of site; any site remediation and/or improvement works that form part of the application, and
- the intensity or size of the development or use proposed and the amount of run-off that is likely to be generated.

Note: this requires analysis in addition to a land capability assessment required pursuant to Guideline 2.

Domestic Wastewater Management Plan Requirements

A DVMP will be considered an acceptable basis for a relaxation of Guideline 1 (as set out above) where the requirements in relation to the DVMP (described in Table 10-1) are satisfied.

	Table 10-1.	Domestic Weste	ewater Mana	gement Plan Re	quirements
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Attribute	Repairements
Consultation	The DWNP must be prepared or reviewed in consultation with all relevant stakeholders withding:
Protection of surface and groundwaters	The DWNP must comprise a strategy, including timelines and priorities, to: • prevent discharge of wastewater beyond property boundaries; and • prevent individual and comulative impacts on groundwater and surface water beneficial inset.
Monitoring, compliance and enforcement	 The DWVP must provide for: the effective monitoring of the condition and management of onsite treatment systems, including but not limited to compliance by permit holders with permit conditions and the Code: the results of monitoring being provided to stakeholders as agreed by the relevant stakeholders; enforcement action where non-compliance is identified; a process of review and updating (Pinecessary) of the DWMP every 5 years; independent andst by an accredited auditor (water sceparation approved) of implementation of the DWMP, including provided to stakeholders as soon as possible after the relevant essentiat and their provided to stakeholders as soon as possible after the relevant essentiat and Councils are required to demonstrate that satisfie reasoning for implementation, including monitoring, enforcement, review and audit, is in place.

These requirements incorporate and build upon (but do not displace) Council responsibilities for developing DWMPs as set out in clause 32(2)(e) of the SEPP.

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10.1.1.2. Guideline 2: Effluent disposal and septic tank system maintenance

Any application for a planning permit must demonstrate that a proposed use, development or subdivision of land to which these Guidelines apply will comply with all applicable laws and guidelines (described in sections 10.1.2 to 10.1.8 of this document), including the need to obtain a Council permit under the Environment Protection Act 1970 for the installation of an onsite wastewater management system and associated systems.

10.1.1.3. Guideline 3: Vegetated corridors and buffer zones along waterways

Planning and responsible authorities should encourage the retention of natural drainage corridors with vegetated buffer zones at least 30 metres wide along waterways. This will maintain the natural drainage function, minimise erosion of stream banks and verges and reduce polluted surface run-off from adjacent land uses.

10.1.1.4. Guideline 4: Buildings and works

Buildings and works (including such things as land forming and levee bank construction) should not be permitted to be located on effluent disposal areas, to retain full soil absorption and evaporation capabilities, and should be setback at least 30 metres from waterways to minimise erosion and sediment, nutrient and salinity-related impacts.

Appropriate measures should be used to restrict sediment discharges from construction sites in accordance with Construction Techniques for Sediment Pollution Control, Environment Protection Authority (EPA Victoria 1991) and Environmental Guidelines for Major Construction Sites, Environment Protection Authority (EPA Victoria 1996).

10.1.1.5. Guideline 5: Agricultural activities

To prevent the pollution of waterways and damage to streamside vegetation (which contributes to bed and bank stability and filters overland flows entering the stream), stock access to waterways should be minimised.

10.1.2. Environment Protection Act 1970

Section 53M of the Environment Protection Act 1970 provides that a municipal council must refuse a permit if a proposed onsite waste water/septic tank system is contrary to any State environment protection policy (SEPP) or waste management policy.

The State Environment Protection Policy (Waters of Victoria) (SEPP WoV) adopts the precautionary principle as a principle that should guide decisions about the protection and management of Victoria's surface waters when considering a permit for a septic tank system. The proper application of the principle requires consideration of the cumulative risk of the adverse impact of onsite waste water/ septic tank systems on water quality, in open potable water supply catchments, resulting from increased dwelling density.

Clause 32 of the SEPP WoV specifies EPA's expectations in relation to on-site domestic wastewater management (see Section 10.1.3 below), and the EPA provides further guidance in relation to onsite treatment systems, e.g. the Code of Practice for Onsite Waste Water Management (EPA Victoria 2013) (Section 3.1.1).

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10.1.3. State Environment Protection Policy Waters of Victoria (SEPP WoV)

The DWMP must incorporate, and build upon Council's responsibilities for developing DWMPs set out in clause 32(2)(e) of the SEPP. This clause states that local councils need to:

- D Where relevant, develop and implement a domestic wastewater management plan in conjunction with water corporations and communities that:
- Reviews land capability assessments and available domestic wastewater management options to prevent the discharge of wastewater beyond allotment boundaries and prevent impacts on groundwater beneficial uses;
- Identifies the preferred options, together with costs, funding needs, timelines and priorities; and
- Provides for the assessment of compliance of on-site domestic wastewater systems with permit conditions

Clause 32 further states that on-site domestic wastewater needs to be managed to prevent the transport of nutrients, pathogens and other pollutants to surface waters and to prevent any impacts on beneficial uses³. Cumulative effects of onsite wastewater treatment systems should also be considered.

In addition to the requirements for a Council DWMP, clause 32 also requires that:

 Occupiers of premises with an on-site domestic wastewater system need to manage that system in accordance with permit conditions and the EPA Code of Practice for Onsite Wastewater Management (EPA Victoria 2013), as amended.

Occupiers also need to regularly assess the performance of their system against permit conditions.

- Municipal councils need to:
 - assess the suitability of land for on-site domestic wastewater systems prior to approving a development. To assist in this regard, the EPA provides guidance in Land Capability Assessment for Onsite Domestic Wastewater Management (EPA Victoria 2003) as amended (see also Section 3.1.2 in this document);
 - ensure that permits are consistent with guidance provided by the EPA, including that provided in the EPA Code of Practice for Onsite Wastewater

Management (EPA Victoria 2013), as amended; and o work with the EPA to identify existing unsewered allotments which are not capable of preventing the discharge of wastewater beyond allotment boundaries, or preventing impacts on groundwater beneficial uses.

10.1.4. Groundwater SEPP

Depending on local conditions, under some circumstances on-site system disposal fields can drain to groundwater, particularly in areas where the water table is shallow and hydraulic loadings are high. The Groundwaters of Victoria SEPP (Government of Victoria 1997) provides a regulatory framework for the protection and management of groundwater environments in Victoria.

The groundwater SEPP identifies a range of beneficial uses dependent on different categories of groundwater and seeks to preserve the categorisation of local groundwater so the beneficial uses are not significantly impacted. Consequently, councils need to consider the cumulative effect of onsite wastewater treatment systems when assessing permit and planning applications and planning amendments to ensure that groundwater quality is protected.

³ A beneficial use is defined in the Environment Protection Act 1970 and includes a surrent or future environmental value or use of surface waters or groundwaters that communities want to protect.

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10.1.5. Planning and Environment Act 1987

10.1.5.1. State planning and environmental policies that apply to open, potable water supply catchment areas

The Planning and Environment (General) Act (2013) describes procedures for preparing and amending planning provisions, planning schemes, obtaining permits under schemes, settling disputes, enforcing compliance with planning schemes, and other administrative procedures (DTPLI 2015).

Planning schemes set out policies and provisions for use, development and protection of land. Each local government area in Victoria is covered by a planning scheme (DTPLI 2015).

The importance of water quality and water catchments is specifically addressed in Clause 14.02 in the State Planning Policy Framework in all planning schemes. In this clause it is State planning policy to:

- Protect reservoirs, water mains and local storage facilities from potential contamination.
- Ensure that land use activities potentially discharging contaminated runoff or wastes to waterways
 are sited and managed to minimise such discharges and to protect the quality of surface water
 and groundwater resources, rivers, streams, wetlands, estuaries and marine environments.
- Discourage incompatible land use activities in areas subject to flooding, severe soil degradation, groundwater salinity or geotechnical hazards where the land cannot be sustainably managed to ensure minimum impact on downstream water quality or flow volumes.

Clause 19.03 of the State Planning Policy Framework adopts the strategy.

 Ensure water quality in water supply catchments is protected from possible contamination by urban, industrial and agricultural land uses.

It is State Planning Policy (Clause 14.02-1) that planning authorities must have regard to relevant aspects of:

- any regional catchment strategies approved under the Catchment and Land Protection Act 1994
 and any associated implementation plan or strategy, including any regional river health and
 wetland strategies (see Section 10.1.8 of this document);
- any special area plans prepared under the Haritage Rivers Act 1992 and approved under the Catchment and Land Protection Act 1994, and
- Guidelines for planning permit applications in open, potable water supply catchment areas (DEPI 2012).

10.1.5.2. Section 173 of the Act

Section 173 of the Planning and Environment Act (General) (2013) allows Councils to negotiate an agreement with an owner of land to set out conditions or restrictions on the use or development of the land, or to achieve other planning objectives in relation to the land (DPCD 2015). Such agreements are commonly known as Section 173 agreements.

Once completed, the agreement is lodged against the title of the property. Section 173 Agreements are frequently used by Water Corporations or Councils when planning applications are located in special water supply catchments. In such cases, the agreement usually specifies maintenance requirements for onsite wastewater systems. 10.1.6. Public Health & Wellbeing Act 2008

The Public Health & Wellbeing Act 2008 replaced the Health Act 1958 and lists types of nuisances which are offensive or could pose a health risk. Under this Act, Councils have a duty to remedy such nuisances. This includes investigating complaints relating to the illegal management of domestic wastewater and taking action to rectify the nuisance where this is necessary.

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10.1.7. Water Act 1989

Section 183 of the Water Act 1989, empowers urban Water Corporations to inspect and measure existing septic tank systems. Furthermore, under Section 147 of the Act, systems that do not comply with the Public Health and Weilbeing Act 2008 and the Environment Protection Act 1970, can be required by the Water Corporation to connect to the sewer where this is available

10.1.8. Catchment and Land Protection Act 1994

The importance of water catchments is also reflected in the special area plans prepared by Catchment Management Authorities, under Division 2 of Part 4 of the Catchment and Land Protection Act 1994. These plans assess the land and water resources of catchments in a region and identify objectives and strategies for improving the quality of those resources; they are also able to direct land use activities in a catchment.

10.1.9. Local Government Act 1989

The Local Government Act set outs the provisions under which the Councils operate and empowers Councils to have local laws and regulations, including those for management of onsite wastewater treatment systems.

10.1.10 Safe Drinking Water Act, 2003

All water corporations have obligations under the Safe Drinking Water Act, 2013.

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10.2. Regulatory Authorities

A range of regulatory authorities have responsibilities that involve onsite wastewater management systems. These are summarised in Table 10-2.

Table 10-2. Regulatory authorities and their responsibilities relevant to the DWMP

Authority	Rate
	Wellington and East Gippeland Shire Councils are responsible for isosing permits for new onsite systems under the Environment Protection Act 1970. The Councils are also responsible for the management of all onsite systems within their respective boundaries and this includes the inspection of existing systems and ensuing compliance with Council and EPA requirements.
	The legal requirements of the Councils (EPA Victoria 2013) include:
	 Issuing planning permits with a requirement that reticulated soverage is provided at the time of sub-division where waitewater cannot be contained within the boundaries of every allotment;
	 assessing land development applications to determine the suitability of a site for an onsite wastewater management system;
	 assessing onsite wastewater management permit applications;
	 toxing Permits to install/Alter and Certificates to Use onsite wastewater management systems;
	 refusing to issue a Planning Permit or Septic Task Permit for a proposed development where Council considers wastewater cannot be contained within the boundaries of the site and reticulated severage is not available or will not be provided at the time of subdivision;
Wellington and Cast Gippsland	 ensuring systems are imitabled in accordance with the relevant Certificate of Approval (see DPA website), the conditions on any Planning or Septic Tank Permit moved for a site and the relevant Australian Standard;
Shire Councils	 ensuring systems are managed in accordance with the Septic Tank Permit, the relevant Certificate of Approval, this Code and, where applicable, the most recent version of AS/N251547 through relevant compliance and enforcement programs; and
	 developing Domestic Wastewater Management Plans.
	Council assesses applications for Permits to Install or Alter and operate onsite wastewater management systems under the Act (Section 533-O). Permits are issued with conditions, Council must refuse to issue a permit if:
	 the proposed snate wastewater treatment system and associated disposal/recycling system is concurry to any State Environment Protection Policy the application and/or land capability assessment report does not satisfy Council that wastewater cannot be sostainably managed on that size; or
	 the proposed unsite wastewater treatment system does not hold a commit Campliance with the Australian Standards and approval from the EPA
Department of Health and	The department administers the Sofe Drinking Water Act 2003 and has responsibilities under the
Hattan Services	Public Houlth and Weilboing Act 2008.

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Authority	No.
- enclosed #	
nabenent anugement aborties	 Wellington and East Gippland Skine Councils lie within or intersect the East and West Gippland Catabaneot: Management Authorities (CMAs). The rule of the CMAs relevant to the DWNP is lated in their statement of obligations under the Water Act 2009 (DELWP 2001) and is an follows: a) Fasilitate and coordinate the management of catabanents in an integrated and sustainable manner; b) Take a sestainable approach by balancing environmental, social and economic considerations; c) Plan and make decisions within an integrated catabanent management context: recognising the integral relationship between rivers, their catabanents and coastal system; using the best available scientific information; targeting recourses to address priorities and deliver maximum improvement in resource condition; d) Provide opportunities for community engagement in the integrated management of catabaness including rivers and related water and land ecosystem; d) Promote and apply a risk management approach for natural assets which seeks to preserve the quality of the natural energy; g) Promote and apply a risk management approach for instant assets which seeks to preserve the quality of the natural energy; g) Promote and adopt an adaptive approach to integrated catabanent; including costinuous review, instantion and improvement; h) Manage basiness operations in a prodent, efficient and responsible manner; i) And as beiness operations in a prodent, efficient and responsible manner; ii) And as beiness operations in a prodent, efficient and responsible manner; ii) And as beiness operations in a prodent, wetland, floodplain and aquifer restoration.
arbment of roximits, I, Water and ming	The Department of Environment, Land, Water and Planning (DELWP) is responsible for the management of environment, water resources, land management and planning in Victoria. DELWP may advise Councils on specialist matters where an on-site system may influence land, water and planning insures.
ndrommonti obettion dhority Vectoria PA)	 CPA administrem the Environment Protection Act 1970, and Waters of Victoria and Groundwaters of Victoria SDPPs and is responsible for: producing guidance documents for: wastewater treatment system, installation, testing and accreditation the approval process for onsite wastewater management systems providing advice on and interpretation of the guidance; Monitoring systems for compliance with conformity standards keeping the website-based list of currently approved systems and their accreditations up to date (see www.sps.vic.gov.au/your-emimotement/water/onsite-wastewater); restinding approvals and removing them from the list of approved systems on the DPA website. EPA SB1 Code of Practice = Omite Wastewater Management (CPA Victoria); EPA 740 Land Capability Assessment - Omite Wastewater Management (CPA Victoria); EPA 760 Guidelines for Aerated Onsite Wastewater Treatment Systems (DPA Victoria);

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Authority	Role		
Memopal Association of Vectoria (MAV)	MAV has prepared galdance documents for domestic waterwater management include a template for a DWMP and a model LCA report and procedures. The documentation is consistent with DPA Galdance documents.		
Victorian Building Authority (VSA)	The VBA incorporates the roles and responsibilities of the former Plumbing industry Commission (PC and licenses all plumbers and onsize wastewater management systems installers in Victoria. The VBA regulates the installerson of onsite wastewater management systems including internal plumbing works.		
	Water Corporations proving services within Wellington and East Oppoland Shires are Oppoland Water, Cast Oppoland Water, South Oppoland Water, Goulbourn Marray Water (water storage manager) and Southern Rural Water.		
	All water corporations have responsibilities under the Safe Orinking Water Act, 2003.		
Water Corporations	It is the role of the water corporations to supply water lit for purpose and where this involves drinking water, the water corporations have a strong interest in the protection of drinking water satisfuments. In particular, they have a legislative obligation in protecting such satisfuments from the impacts of omite waitewater management systems.		
	Where a proposed anshe system is located within a drinking water catchment, in a declared sewer district or requires a planning permit, the proposal must be referred to relevant water corporation (determining referral authority) for assessment and approval prior to Council issuing approval for the development.		
Victorian Civil and Administrative	VCAT was established under the Victorian Givil and Administrative Tribunal Act 1998, it is a tribunal where tavil disputes, admanstrative decisions and appends can be heard before Judge or member. The porpose of VCAT is to provide an economical, effective and independent tribunal for dispute resolution.		
Tribranul (VCAT)	VCAT has made a number of important decisions on disputes with respect to onsite wastewater management systems.		



Appendix 2 – Water quality risk factors Table 10-3. Attributes which were investigated for potential use in risk model development

(characteristics in bold were chosen for the risk assessment)

Diaracteristic	Data Source	Explanation	Assessment Process
Land erra evolution for LAA	Property layer from Catalvic	Available land calculated as total property area minus areas classed as unusable (within settacks, near borns, high watertable, (one hundred years flood area)	Compliant 2 40 he Low Risk 0.4 - < 40 he Moderate Reik 0.2 - < 0.4 he High Rok 0.1 - < 0.2 he Very High Rok < 0.1 he Determe Risk 0.he
Surface waters -setback distance (m)	Calculated from DEN, rivers and lakes layers.	Area of property within the setback is desuffed as unusable for land application area(t) (LAA).	Distance of potential disposal fields from ephysterial and permanent drainage lines, treeks, eivers, fakes, davis and all other sorface waters. In DWSC waterway setback is 100 m, reservoir setback is 300 m, outside DWSC waterway and waterbody setback is 60 m
Nood Likelihood	Rood layers (1 in 100) from DataWe	Requirements for stang omitie womenumer infrastructure (including LANs) away from areas subject to flooding nan vary between Councili.	Access official records where available, Not provinity of LAAs to waterways and areas subject to flooding. Area under 1:100 flood layer is classed as unsuitable for UA.
Wateriable Depth (m) below the base of the LAA	Watertable depth created from SWL and Devation DDVs	The required soil depth to protect groundwater depends on soil type; high permeability soils generally require a greater separation distance (soil depth).	Destinguish between temporary (seasonal) pershed watertalies (mobiling indicates weiting and drying) and permanent watertables.
Groundweter bores	Groundwater bores layer from WMS - CPA 891.3 Sectorists Minor >50m, Mod 20 50m, Major cv20m - Sectorist for solf categories 2b 6 it 20m, for sols 1-2e is either 50 or 20m (50 may become 20 if certain requirements met)	Adequate depth of soil to protect groundwater resources largely depends on soil type and climate.	Note the presence of bores on the site or in the locality, and depth of any standing water in pits or bores. Area within 50 m of bare is considered unmitable for GA
Slope gradient (%) Slope Form (offects water shedding ability) (a) for absorption trendres and best (b) for surface imigation (c) for subsorface imigation	Stope created from DDM	Land application of effluent becomes increasingly constrained with increasing alone gradient, increasing the chances of effluent runoff or subsurface seepage.	Stope can be measured in the field using a clavemeter. Topographic contour lines on a ute plan can also be used.
Soli Texture, Indication Permeubility	SoBIClay from Decivity. Texture Group from Hoadton & Murphy 2010: Indicative perceletion rete from feelong Solf Categorisation CPA 891.3 CSY5250: WIND_CR (used where other data not available)	Soil textures are categorised as 1. Gravels and Sands 2. Sandy Loams 3. Loams 4. Gay Loams 5. Light Gays, or 6. Medium to Heavy Gays (AS/N2S1547: 2012). The rate at which water moves through the soil reflects the soil's permeability and detormines the rate at which ethamt is applied to land in litres per savare metre per day (mm per day). The application rate for each type of land dispersal and recycling systems is listed in Table 5 in the Code. Whilst the loading rate for LAA design is based on the permeability, it is less than the true permeability.	Use the Code and AG/N251347:2012 to analyse and identify the texture of each soll horizon. Refer also to McDanald et al. (1990). Generally, assessment of soll texture is adequate to determine soll permeability from AS/N251347:2012. The constant- head parameter (AG/NS21347:2012) can also be used, but not if sols are waterlogged or shrink owell tracks are present. NOTE that the falling freed percolation test is no longer comadered acceptable by the CPA.

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Characteristic	Data Source	Explanation	Assessment Process
Rainfall (climate difference between rainfall and eveporation) Pan Eveporation (climate difference between rainfall and eveporation)	BOM concour map of annual rainfull rategories BOM concour map of annual evaporation categories	Seasonal navifal, evaporation and temperature patterns influence potential evapotrampleation in land application areas.	Gather Bureau of Meteorology (BoW) data and determine average and maximum monthly related, and average monthly evaporation. Risk levels Low: Rainfall > evaporation < 1 month Mod: Rainfall > evaporation 1 = 4 months High: Rainfall > evaporation > 4 months
Soil Depth to Rock or other impermeable layer (m)	LEVSESR: WATER_ER	Deeper soils generally have a greater assimilative capacity for effluent (depending on soil type).	Comment on the total soil depth, using field investigation or other sources of information such as bore logs, as well as the thickness of each soil horizon, to adequately characterise the soil beneath the LAA. The Code requires description of soil sharacteristic details 1.5m below the base of the LAA.
Aspect (effects solar radiation received)	Aspect created from DEM	The aspect or the direction that a slope is facing influences solar exposure.	Estimate the general direction of the slope of the land application area(c)-(LAA). If there are multiple espects, focus on the area's most witable for LAA.
Landslip potential (Crosion, or potential for erosion)	UNISESS: MASS_MOV	Unitable areas (steep, univegetated, dispersive soft-etc.) are unitable for UAAs without mitigation.	hote any existing or potential erosian sites, as well as any part landstips or slope failures.
Soll Crainage	133250: WATDULOG	UAs should be located in areas of good surface and subsurface (scal) diratinge.	Determine whether rainfall will be alsod (run off) or soak in, and note any waterlogged areas, which may be indicated by hydrophile, vegetation.
Decirical Conductivity (DCe) (d5/m) as a measure of soil salarity	Soli DC from DataVic	5C set result infers the salinity of the suil and its posential impact on plant growth on the LAA. Refer to Harietion & Murphy (2007) for interpretation of DC test results. Application of efficient increases suit content of soils over time.	This cheep and simple test measures the amount of dissolved calts and can be undertaken using a hand- held meter using 1:5 tollwater suspension, or in a suitable soll testing laboratory.
pH (lavoured range for plants)	Sol pH from DataVic LSYSESD: LEACH (med where Sol pH data not available)	Acid soils (pH <5) or alkaline soils (pH >8) may constrain plant growth and should be ameliorated by use of chemical additions (e.g. line for addits).	This test can be undertaken using a soil prittest kit, a calibrated hand- held meter using 1.5 solvator surpression, or in a soltable soil testing laboratory.
No Data Available			
Landform	(slope can be assessed)	Landform shape and the position of LAAs on slopes influence drainage and nanoff characteristics both onto any potential LAAs as well as downslope of them (i.e. will nanoff be evenly shed, or concentrated or drapersed flows?).	Topographic maps can be used to instead based landform (genomorphology), and specifics outh as position on slope and shape of slope should be assessed in the field, especially for any UAs.



Characteristic	Data Source	Explanation Asses	smont Process
Gleying or Mottling (see Murcefi Soli Colour Chart)	indicators of soil dramage (soil before is another indicator of indicative permutability and is available)	Geyed soft indicate permanent saturation (permanent watertable), while orange, yellow and red motifies indicate seasonal saturation with intermittent periods of drying (perched or seasonal watertable).	Senarible the soil, including the dominant soil colour (using Mumiell soil colour of any motiling or gleying (soil that is greyish, bluich or greenish) is each soil horizon. Include a photograph to illustrate.
Scornwater nin an		LAAs should not be located in areas with high run-on, without mitigation such as upslope diversion structures. Downslope nanoff diversion may be useful.	Note evidence of run on to potential LAAs (such as sediment dams and wet ground) and determine likely flow path(s) of runoff from LAAs.
Setback Distances (nonwaterway)		Determining the most appropriate position for LAAs should be prioritised over placement of building arres.	Note any constraints to required setback distances being met, e.g. lot size and shape.
Vegetation coverage . over the site		Good vegetation cover is important to prevent erosion as well as for uptake of water and nuclients from effluent.	Vegetation cover (%) and type (e.g. turf or woodland) should be determined or estimated.
Cation Dichange Capacity		influences the ability of the suit to hold and exchange cations; a major controlling agent for suit structural stability, nuclear availability for plants and the suit's evaction to feetilizers and other amelionancs (refer to Hazelton & Murphy, 2007).	Recommended for soils suspected to have low festility. This test is undertaken in a usitable soil testing
Sodium Absorption Ratio (SAR)		The ratio of sodium to calcium and magnesium (beneficial elements) in the rod solution, with higher ratios potentially damaging to plants and rolls.	Recommended for soils or effluent suspected to have elevated software levels, especially soils that disperse in water, producing tarbidity. This test is undertaken in a witable soil testing laboratory.
Emerson Aggregate Clais (consider in context of codiony)		EAC results infer dispersibility (as ped stating, soil dispersion or both). GAs though not be installed in soils with moderate or high dispersibility, without adequate mitigation (e.g. addition of gyptum, use of imigation).	The Envirsion Aggregate Test (EAT) is used to assess suil dispersibility and susceptibility to ension and degradation. Refer to Haaston & Murphy (2007) for test methodology. The EAT should be the limit test of soil is dispersive measuring its soldicity is highly desirable and can lead to a somet gyptum dosing recommendation.
Rock Fragments (size & volume %)		Coarse rock fragments displace soil volume and therefore can limit avaitallative capacity of soils.	Visually estimate the size and proportion of ourse rock fragments (pebbles etc.) in each horizon, Andge to see if rocks indicate shallow bedrock.
Sodkary*(ESP%)		The percentage of sodium compounds on ration exchange sites on soil particles. 559 >6% may come damage to the sail structure. Refer to Harelton & Murphy (2007). Officient and greywater contain sodium.	Recommended for soils or effluent, suspected to have elevated sodium levels, especially soils that disperse in water, producing turbidity. This test is undertaken in a suitable soil testing laboratory, in conjunction with testing cation exchange capacity and exchange to constraints.



Characteristic	Data Source	Explanation Asses	smont Process
Rock outerups (% of variance)		Rock sectorops displace soil horizons and therefore can limit, assimilative capacity of LAAs for effluent. Outcrops can indicate shallow bedrock. Some nocks are strongly fossired and permeable and others are not.	Estimate the amount (%-cover) and type of any rock protroding from the ground on the site.
Fill ⁽ (imported)		Capacity to animilate effluent depends on the physical and chemical subaracteristics of the imported fill material(s).	Observe the extent and characteristics of any imported fill, particularly on potential UAAs.
Loved Sostablety		An LCA is used to determine which fand is suitable and ormaitable for LAAs.	Areas that are unsatiable for LAAs should be excluded to determine available LAA on the size. A mamber of small and separate areas are often not suitable for LAAs.



Appendix 3 – Key to planning zones

Category	Code	Planning Zones Rame
Nutrial	102-002	Vedvotrial Zone
lammercial	cz1 1	Commercial Zone
	SUM	Nixed Use Zone - not public land is a commencial zone
	1012	Public Conservation and Resource Zone
	PPRZ	Public Park and Recreation Zone
ublic Land	PUZ1-7	Public Lise Zone
	PCRZ	Public Conservation and Resource Zone
	8021-2	Road Zones
	LORZ	Low Density Residential Zone
	GR21	General Residential Zone
esidential	MUZ	Mixed Use Zone
	1502	Comprehensive Development Zone -in a residential zone in this case
	72	Township Zone
	12	Farming Zone
hand	RAZ	Reral Activity Zone
199	#LZ1-5	Roral Living Zones
	ACZ1 8	Rural Conservation Zones
	9UZ1	Special Line Zone: Earth and Energy Resources Industry
pecial Purpose	CA	Commonwealth Land

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Appendix 4 - Action Plan items from 2006 DWMP not carried forward to 2016 plan

Action plan items in this appendix were either completed, or due to changing circumstances are no longer considered a priority in the 2016 plan.

Issues Relevant to Municipalities as a Whole

Action	Action steps	Comments and action taken
Capacity	Building	
08.5	Investigate potential to obtain additional hands from Council Endget. (take ovi)	Investigated No success, no funding
08.2	Investigate potential for a domestic wastewater management levy for all unsewered homes.	Not done. No appetite from Council, Legality its unresolved
08.4	Work with SPA and SSE to improve regulation and enforcement mechanisms to remedy septic tank systems that are operating in accordance with their permits bet do out satisfy corrent standards.	No CPA Regulation Review process never completed despite discussion paper. (See Hard Copy)
ca.s	Investigate strategies for addressing the issue of landowner's ability to pay for upgrades required.	Funding not evallable
Informat	ion Management and Data Collection Update	
septic tar	nk permit database	
M3	Usise with MAV pilot program regarding potential database module components.	Ongoing
N.S	Submit data transfer program for incorporation into budget	No funding available at it no separately funded
10.M	On budget approval applement data transfer program	N/A
ма	Submit audit program for incorporation into budget	Submit for Budget item during the tenure of the plan
N19.	On budget approval implement audit program	Not done (see comments above)
Extablish	Septic Tank Details at Change of Ownership	
IM.10	Establish/enhance link between the property system and the EH inam to ensure that Section 32 sociars inform potential property buyers of the existence of a septic system, the conditions of the permit and any recorded problems. (Links with education action CEJR)	To be implemented
M.12	Submit program to access missing information for incorporation into bodget	N/R
M.13	On budget approval implement program to access missing information.	N/R
Commun	ity Education	
Constant	ity education for property owners and residents in priority towers and high risk areas	
CE 1	Develop fact sheets addressing issues such as: How septic tank systems work. Owver obligations. How to address best system performance (maintenance & howsehold practices). How to detect a failing system. Impacts of failing systems. Septic tank permits. Water conservation. Reuse of greywater.	Ongoing improvement to website and continued education program
CE.2	Develop media refease to publicise availability of fact sheets.	Not Required
(E.3)	Digitary fact sheets on Council website and make available at Shire Offices.	Orgoing update on website
CL 6	Design a community evaluation survey and process for completion.	Not Required
CE.7	Submit survey process for budget approval.	Nut Required
CE.8	Undertake a community evaluation survey.	Not Required
Commenter	ity education for new septic tank permit holders and new property owners with septic tank	
CE.8	Propare a standard covering letter to be circulated to new septic tank permit holders and new property owners with a set of fact sheets.	Ongoing updates
cs.10	Establish a system (or refine existing system) whereby Rates Office notify EH Dept, when a dwarge of home ownership occurs for an unewered property. (Dailed to Action 1M.30)	To be established (WSC) Completed (EG)

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Action	Action steps	Comments and action taken			
CE.33	EH Dept. to distribute fact sheets as permits are assed and when a change of home ownership occurs. Where type of vigitic system is known, target fact sheets cost.	To be established (WSC) Completed (D9)			
Strategic	Planning				
92	Determine minimum lot size required for sustainable onsite wastewater management for all high and medium nick townships/focutions.	UCA dependent. Requires site specific informatio			
		dependent upon the specific development			
2.1	Develop planning strategy for lots that are smaller than the minimum size required for instainable under wastewater management.	Origoing in consultation with Planning			
24	Creare Constal Townships Urban Design Framework includes appropriate consideration of domestic wastewater issues.	In Consultation with Strategic Flamming			
25	Ensure outcomes of Countal Townships Urban Design Frameworks and watchwater management policies are included into Planning Schemes as amendments.	In Consultation with Relevant Water Corporations			
PE	Develop strategic approach to severage infill and extension in severed towns.	Gippsland, East Gippsland and South Gippsland Water Strategiet			
Land Cap	ability Assessments				
CA1	Review and document circumstances in which LCAs need to be undertaken.	UCA required as part of all COS septit tank applications. WSC have triggers that will require an UCA			
CA3	Determine and set minimum requirements for preparation of LCAs in accordance with existing guidelines.	Origoing compliance with the relevant codes and standards			
EA3	Develop information package and template for LCA providers in convultation with providers.	LCA provider responsibility			
CA.4	Provide information package and template to key LCA providers and other relevant stakeholders (e.g. developers).	LEA provider responsibility			
CAS	Make information package and template available on council website.	LCA provider responsibility			
CA.6	Develop LCA training process for field assessors, n.g. biennial workshop.	Not a Council role			
CA7	Submit LCA training program for incorporation into budget	Not a Council role			
CAB	On budget approval implement UCA training program	Not a Council role			
CA.S	investigate possibility of building knowledge of land capability in the region through a database incorporating information from UCAs or EHD assessments.	Ongoing development			
LCA.10	Work with EPA to investigate an accreditation process for LCA providers.	O'A Matter			
Monitori	ng and Compliance				
MC.7	Submit Impection program for incorporation into bodget	Linder Current Budget			
NCR	On Evdget approval implement impection program	As above			
	Better Partnerships with Internal and External Stakeholders Internal der communication				
6.2	in Cast Gppstand Shire, consult with other teams regarding implementation of a weekly meeting to discuss planning permit applications.	Undertaken on an "zs exects basis" Formal referrat process for refevant planning applications			
5.4	Provide annual update to contorner tervice staff regarding D4 issues, including staff in branch offices.	Origining			
155	Involve non-EH staff in diamestic wastewater training, where relevant: (Linked to TA.1-6)	Not Respired			
Esternal	stakeholder communication				
25.1	Maintain contacts database developed in DWMP project.	Ongoing			
15.2	Review referrals checklist for planning and septic tank permit applications to ensure there is a process established to contact external stakeholders when relevant issues arise.	Origaing			
I3.4	Hold annual meeting with external stakeholders to discuss domestic wastewater issues.	Not done			
85.5	Consult with external stakeholders regarding 6/5 data sets that are applicable in assessing land capubility for domestic wastewater management (eg. water supply offtake points).	Origoing/Assomplete			
Training	for Environmental Health Officers				
TR.5	Convene a workshop on outcomes of the DWMP (potentially in conjunction with 15.1).	Not done			
79.2	implement regular (e.g. annual) meetings/ workshops between Wellington and East Gippsland EH staff to distance insore. Potentially involve an external expert us some orizations.	Nut dorm			



Action	Action staps	Comments and action taken		
т.)	Undertake annual review (in Jan/Feb) of the DWMP action plans jointly between Wellington and East Oppstand Shires.	Not dorm		
19.4	Develop an DH specific induction program that includes training on fand capability assessment and planning tools.	Completed		
13.6	Decourage MAV to provide additional courses relevant to domestic wastewater management.	Orspring		



Strategic objectives completed since 2006

Table 10-5 Individual Towns Strategic Objectives from the 2006 DMMP that were completed.

No.	Shire	Shire Description				
. L.	Weffington	Alberton - work with South Bippsland Water to investigate potential for sewering town to meanly Tarraville treatment plant (which services Yarrani), (No korger a strategic objective, town now several)				
2.	East Gippsland	Berran River - apply for external harding to assist in investigation of sustainable wastewater management approach. (No longer a strategic objective, town new severed)				
3,	East Gippsland	Banksia Penintuda - Isase with East Dippsland Water regarding current sewer investigation and, if sewering is not implemented, determine approach to sustainable onsite disposal. (No longer a strategic objective, area new sewered)				
4	Wellington	Coongollo/Vilenmaggie and Loch Sport - continue role as partner in investigation into innovative solutions to domestic wattewater management (No longer a stretegic objective, towns now several)				
5	Wellington and Cest Gippsland	Coastal towns - ensure domestic wastawater management issues are incorporated appropriately into Coastal Townships Lifeon Design Framework. (No innger a strategic objective, domestic wastawater management lasses new incorporated into UDIT)				

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East Gippsland Shire

Active	Action steps	Comments and action taken		
Bachan, Si	erita Greek, Nowa Nowa, Smay, Bendoz, Newmerella			
River.1	Community education to achieve improved management and encourage installation of improved systems (part of actions CEA & CE.5)	Not done		
liver.2	Determine meanum lot size required and preferred approach to sustainable onsite management (pert of action 5P.3).	Rotor SP 2 and 3		
Bornes Riv				
Bon.1	Apply for external funding to investigate sustainable wastewater approach.	Done		
Ben 2	investigate options for retainlated sewerage or common effluent drainage scheme.	Donie Natioulated sewer provided		
Bern.3	Undertake community consultation regarding preferred approach.	Done Reticulated sewer provided		
Bern 4	Community education to achieve improved management and encourage installation of improved systems (part of actions CE.4.8, CE.5).	Done Reticulated sewer provided		
Ben 5	Develop a monitoring and compliance program (linked to actions MC.1.9).	Dune Articulated sewer provided		
Banksia Pe	ninula			
Banks.1	Uaise with DRW regarding sever investigation.	Done Reticulated sewer provided		
Banks 2	Determine approach to sortainable onsite disposal if sewering not implemented.	Done Reticulated sewer provided		
Bariks.3	Community education to achieve improved management if sewering not implemented (part of action CE.4 & CE.5).	Done Anticulated sewer provided		
Banks A	Develop compliance and monitoring program if sewering not implemented. (Linked to actives. MC.1-9)	Durse Reticulated sewer provided		
Indenow	South			
Lind.1	Determine minimore lot stars for redgom plains vs sandy mes (part of action 5P.2).	See SP2		
und.2	Determine strategy for matching planning zones to land systems.	Councils and DSW strategic policy to encourage development in Underson server district		
Lind.3	Contentionity consultation to determine whether area should be record or sewered.	Councils and DSW strategic policy to encourage development in Undenow sever district		
Numprise	r/Metung East			
Non.1	Determine minimum lot size appropriate for onsite wastewater management (part of action 5P.2).	See SP 1		
Non.2	Work with council planning area to incorporate domestic wastewater strategy into Coastal Towns Urban Design Framework to as to ensure further subdivision of land is restricted (part of action SP.4).	owm Done		
West Wy	rung and other Sewerage infill	No. Yester (
Wy.I	Determine minimum lot size appropriate for wastewater management (part of action 5P.2).	See SP 2		
wy 2	Work with council planning area to determine strategic approach, e.g. restrict subdivision or ensure subdivided areas are sewered or have a consense effluent drainage scheme. ¹ (Part of action 57.6.)	Done in progress		
Wy 3	Consider options for connecting to nearby sewer system, e.g. low pressure sewer.	Dune		
164	Contraction of the second se	Contract of the second s		

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Wellington Shire

Artion	Action stepi	Conversion and action taken		
Coorgalla	Klenniggie			
c/8.1	Continue role as partner in Country Towns Water Sopply and Sewerage Program investigation into innovative domestic wastewater solutions.	Dané		
0.0	Determine minimum lot size and approach to sostainable onsite disposal in esteries (part of action \$2.2).	Dune		
/6.3	Develop strategy for new houses, or upgrades that occur before sewer investigation complete,	Date		
UU.4	Community education to achieve improved management and encourage installation of improved systems (part of actions CE.4.6 CE.5).	Done		
16.5	Develop compliance and monitoring program! (linked to actions MC.1-8).	Not done		
Loch Spor				
ach.1	Continue role as partner in Country Towns Water Sopply and Sowerage Program investigation into innovative domestic westewater solutions.	Dané		
E doo	Review approach to sustainable center disposal.	Done		
6.dou	Develop strategy for new houses, or upgrades that occur before sewer investigation complete.	Durie		
och.4	Community education to achieve improved management and encourage installation of improved writerm (pert of actions CE.4.6 CE.5).	Dave		
och5	Develop compliance and monitoring program (Inked to actions MC.1-9).	Done.		
Aberton				
40.1	Continuouity education to achieve improved management and encourage installation of improved systems (pert of actions CE.4.& CE.5).	Dave		
w.2	investigate potential to sever town to Terraville WWTP in consultation with South Gippsland Water.	Done		
6.3	Determine minimum lot size required for sustainable cesite management (part of action \$P.2).	Done		
Nb.4	Develop strainge for undeveloped lots that are smaller than minimum lot size (part of action \$P.8).	Dane		
Nb.5	Ensure new houses and upgraded systems implement hill onsite disposal.	Done		
vb.E	investigate improved stormwater management to reduce public health risk, e.g. covers over drains.	Dave		
4b.7	investigate improved stormwater management to reduce anvironmental impact, e.g. wetland, med bed.	Diate		
46.8	Develop a monitoring and compliance program (linked to actions MC.1-9)	Date		
Cowwatt	and Dargo			
1.080	Community education to achieve improved management and encourage installation of improved systems (part of actions CL4 & CL5).	Ongoing		
1.00	Determine minimum lot size required for sustainable onsite management (part of action SP.2).	Onguing		
6.080	Develop strategy for undeveloped lots that are smaller than minimum lot size (part of action SP-8).	Ongoing		
C&D.4	Ensure new houses and upgraded systems implement full onsite disposal.	Done		
80.5	investigate improved stormwater management to reduce public health risk, e.g. covers over draims	Organg		
80.6	investigate improved stormwater management to reduce environmental impact, e.g. welland, reed bed.	Dohe		
AD.7	Develop a monitoring and compliance program (knked to actions MC.1.9)	Ongoing		
Coastal A	reast in particular, Golden Beach, Paradise Beach, McLoughlies Beach and Woodside.			
Cuest.3	Take active role in development of Gasstal Townships Liban Design Pramework and Wellington Constal Strategy to ensure domestic wastewater issues are incorporated appropriately (part of action SP.4).	Orgoing		
Suest2	Determine impact of land capability on approach to omite management (part of action SP 2).	Ongoing		

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Action	Action Staps	Comments and action taken		
Coest.4	Community education to achieve improved management and encourage installation of improved systems (pert of actions CE.4.& CE.5).	Not dane		
Curst.5	Develop a monitoring and compliance program (linked to actions MC.1-9)	Not done		
Briagolom	L			
Rig1	investigate risk to groundwater in further detail and determine capacity for further unnewered development in the town.	Not done		
big2	Determine minimum lot size required for sectionable westmuster management (part of action \$2.2).	Not done		
Bring 3	Develop strategy for undeveloped lots that are smaller than minimum lot size (part of attion SP.3).	Dave		
Bring 4	Drawe new houses and upgraded systems implement full onsite disposal.	Dole		
Bring 5	Community education to achieve improved management and encourage initialiation of improved systems (part of actions CE4.8 CE5).	Not done		
Brig.6	Develop a monitoring and compliance program (linked to actions MC.1.9)	Not done		
Hollands	anding			
4.1	Determine sostainable approach to onsite management.	Not done		
к.з	Community education to achieve improved management and encourage installation of improved systems (part of actions CE.4.8, CE.5).	Not done		
4.3	Develop a monitoring and compliance program (Inked to actions MC.1.99	Not done		
Sewarage	Infill: Developments around Sale, Mattra, Heyfield, Rosedale, Yarram, and Stratford.			
HIL?	Determine minimum lot size appropriate for onsite wastewater management (part of action \$2.2).	Dorer		
HH2	Work with council planning department to determine strategic approach, e.g. restrict subdivision or ensure subdivided areas are sowered ¹ . (Part of action SP.6)	Orgoing		
offit3	Develop a closer relationship with relevant water corporations and investigate options for expansion of the server system ³ .	Origoing		
HILA	Where severing will not occur undertake community education to ensure improved management of septic systems (part of actions CE.4 & CE.5).	Ongoing		
-66.5	Develop a monitoring and compliance program (knked to actions MC.1.9).	Ongoing		



Appendix 5 - Stakeholder Workshops

Wellington and East Gippsland Shires Domestic Wastewater Management Plan – Workshop 1 – Review of DWMP Scope

May 1 2015, Wellington Shire Offices, 70 Foster St, Sale Attendees.

- Martin Richardson (Gippsland Lakes Committee resigned)
- Fiona Pfeil (Catchment Officer, Gippsland Water)
- · Vince Lopardi (Water Resources & Catchment Planning, Southern Rural Water)
- · Kerry Matthews (Catchment Management & Water Quality, South Gippsland Water)
- Paul Young (Senior Planning Engineer, Gippsland Water)
- John Roche (Acting Senior Environmental Health Officer (EHO), East Gippsland Shire Council)
- Vanessa Ebsworth (Manager, Municipal Services, Wellington Shire Council)
- Barry Nicholi (Municipal Building Surveyor and Environmental Health Coordinator, Wellington Shire Council)
- Dean Graham (EHO, Wellington Shire Council)
- Andrew Fairhall (EHO, Wellington Shire Council)
- Elliot Robertson (Department of Health and Human Services)
- Nick O'Connor (Ecos Environmental Consulting)
- Tracy Clark (Ecos Environmental Consulting)

Apologies:

- Simon Robertson (East Gippsland Water)
- EPA Victoria

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ATTACHMENT 1



26 August 2016

Mr Allan Watson Environmental Health Officer East Gippsland Shire Council 273 Main Street BAIRNSDALE, Victoria 3875 (Via email)

Dear Mr Watson,

RE: Review of Domestic Wastewater Management Plan

East Gippsland Water (EGW) acknowledges the joint efforts of East Gippsland Shire Council (EGSC) and Wellington Shire Council (WSC) in generating the updated regional domestic wastewater management plan (DWMP). The final DWMP will be a valuable reference that will help facilitate appropriate development particularly within open potable water supply catchments to protect water supplies. EGW has appreciated being involved with representatives from both councils, and Gippsland Water and Southern Rural Water, in reviewing the document and providing regular feedback on the various iterations as the draft document has been prepared.

From our review of the latest draft, it appears that the document has progressed substantially. We take this opportunity to highlight and support the following key components.

EGW is keen to ensure that, in accordance with the Ministerial Guidelines (*Planning* permit applications in open, potable water supply catchment areas, November 2012), the DWMP is being effectively implemented (among other things). This would enable EGW to consider allowing higher densities of development than might otherwise be permitted by Guideline 1.

In particular, it is noted (in section 8.7, p 77) that an annual report will be sent to stakeholders (including EGW) describing:

- the results of onsite wastewater management system compliance monitoring;
- enforcement action where non-compliance is identified; and
- · annual meetings may be held with stakeholders on an as needs basis.

Also, we believe that the 'independent audit by an accredited auditor (water corporation approved), including of monitoring and enforcement, every 3 years' will be a valuable indicator of progress with the DWMP.



The proposed Memorandum of Understanding (MoU) between the relevant councils and water corporations (Action No. 1, Table 9-1, p 78) will also be a key enabler. The MoU will clearly articulate:

- The level of resources to be allocated (by the councils) to the plan implementation. The allocation of resources to support approval, compliance and maintenance auditing will take into consideration:
 - the level of support relevant water corporations can provide
 - the risk profile of the property
- The associated process that support outcome (1)
- Communication strategies between Councils and water corporations to brief on plan implementation and completed actions Process.

We will work with the councils to ensure the MoU is completed by 20 December 2016.

It is also noted that other actions listed in Table 9-1 (particularly actions 2 and 3) and elsewhere in the DWMP, support the theme of increasing council resources and management processes to generally improve environmental performance and catchment protection associated with domestic wastewater systems.

One aspect of the draft DWMP that would benefit from further clarification is in relation to the potential to extend sewerage systems to certain infill areas (including west Wy Yung, as mentioned in item 6 of Table 9-2, and in Table 9-5). It should be noted that provision of sewerage systems is generally at the cost of the benefiting propertyowners/developers.

EGW will formally consider the final DWMP, after all submissions have been considered by the councils.

If you have any further queries regarding this matter, please do not hesitate to contact Simon Robertson (5150 4426).

Yours faithfully,

Dean Boyd EXECUTIVE MANAGER INFRASTRUCTURE

CC: Vanessa Ebsworth, Manager Municipal Services, Wellington Shire Council Peter Skeels, General Manager, Operations, Gippsland Water Vince Lopardi, Manager Water Resources & Catchment Planning, Southern Rural Water

GIPPSLAND WATER DWMP FEEDBACK

From: Chris.Wood@gippswater.com.au [mailto:Chris.Wood@gippswater.com.au] Sent: Friday, 26 August 2016 11:54 AM To: Samantha King <<u>Samantha.King@wellington.vic.gov.au</u>> Subject: DWMP Feedback - Gippsland Water

I can confirm that Gippsland Water have reviewed the draft DWMP and thank Wellington Shire Council (WSC) for incorporating the feedback we have provided to date into the draft released for community.

Gippsland Water is satisfied the DWMP is moving in the right direction for the document to be endorsed subject to acceptance by the WSC and delivery of the DWMP MOU requirements and implementation of the DWMP.

Can you please advise the process and timing WSC intends to go through from here with council given the pending election, to get the DWMP endorsed and to commence implementation so Gippsland Water can align its internal board recommendation and endorsement process.



Our Ref: DM#4260278

26th August 2016

Mr Allan Watson Senior Environmental Health Officer East Gippsland Shire Council PO Box 1618 BAIRNSDALE VIC 3875

Dear Mr Watson

Domestic Wastewater Management Plan – Release for Community Feedback

Thank-you for giving Goulburn-Murray Water (GMW) the opportunity to comment on the Wellington and East Gippsland Shire Council's 2016 Domestic Wastewater Management Plan (DWMP).

GMW has an interest in domestic wastewater management in those areas of the East Gippsland Shire which are in the Lake Hume Special Water Supply Catchment (SWSC) due to its role operating Dartmouth Dam and Lake Hume (downstream of Dartmouth and the Mitta Mitta River). Comments on the plan are only in relation to the East Gippsland Shire and GMW's areas of interest.

GMW is a determining referral authority under the Planning and Environment Amendment (General) Act, 2013 (which amends the P & E Act of 2007) and is a Water Storage Manager (WSM) under the Safe Drinking Water Act 2003 and Safe Drinking Water Regulations 2015. A WSM releases water from storages it manages to a Water Supplier (urban water corporation) or permits the Water Supplier to take water directly from, or downstream of, a storage.

The unsewered towns/areas of interest to GMW in the East Gippsland Shire are Benambra, Cobungra, the unsewered areas of Omeo and individual unsewered properties within the Lake Hume SWSC.

Some specific comments about the plan are as follows:

- GMW considers that the success of any plan is in its resourcing and implementation and notes
 that many of the proposed actions are at present unresourced in terms of funding and staff.
 Also of note is that the plan does not include any results of system audits/inspections to
 identify the current operational status of on-site systems throughout the municipalities. GMW
 supports the use of a risk matrix process to identify and prioritise areas for actions but
 recommends that the prioritisation be based on not only the risk matrix but also some
 audit/inspection findings for existing systems and local EHO knowledge of problem areas.
- The plan clearly recognises that one of the drivers for preparing the DWMP is to address the requirements of the DSE Guidelines Planning permit applications in open, potable water supply catchment areas (2012) and in particular the density requirements of Guideline 1. The

PO Box 165 Tatura Victoria 3616 Australia Email reception@gmwater.com.au Phone 1800 013 357 Website www.gmwater.com.au

plan should recognise and identify that Guideline 1 is applicable to any zone where a planning permit is required or where there is an overlay whose objective is for water quality protection. The Guidelines can only be applied however where a planning permit is required and as there are no catchment overlays in the East Gippsland Shire Planning Scheme for water quality protection there will be instances in some zones where no planning permit for unsewered development is required and no referral to a Water Corporation occurs. Where a planning permit is required in a SWSC, the application must be referred to the relevant Water Corporation as a determining referral authority under Section 55 of the P & E Act (2013) and in accordance with Clause 66.02-5 of the Victorian Planning Provisions (VPPs) unless the Water Corporation has a specific agreement with council under Clause 66.04 of VPPs that specific types of applications do not need to be referred. It is important therefore that any shortcomings of the planning scheme be addressed in order to ensure that catchment protection can occur in a consistent manner across the municipalities. GMW notes that Table 9-4, Action Sp.8 identifies the potential for a catchment policy or similar. GMW would support the introduction of an Environmental Significance Overlay as part of the East Gippsland Planning Scheme as a means of achieving consistent objectives and assessment of development applications.

- The EPA has recently published a new version, 891.4 of the Code of Practice On-site Wastewater Management (2016) so all references to the previous version throughout the DWMP must be updated or referred to as the current version of the Code. Publication 746.1, Land Capability Assessment for Onsite Domestic Wastewater Management (2003) has also been superseded by 891.4.
- All references to Certificates of Approval should be replaced with Certificate of Conformity.
- Table 5.1 Steps in Approval Process (adopted from the Mitchell Shire) there are steps in this that do not appear to be in the actual order they are undertaken. Specifically, steps 2 & 3 under Site Inspection are activities that would be undertaken as part of the construction process once approval has been granted. Clarify in the table that the process is for the Septic Tank permit as opposed to the planning permit.
- Figure 5.1 clarify the order of this process and where water corporations have input into the
 planning permit process as opposed to the septic tank permit process. The present flow chart
 indicates that the EHO provides the planning department with the conditions from the water
 corporations whereas this should be identified as a separate referral process.
- Table 9.1, Action 1 relates to the undertaking of MoUs with Water Corporations which has the
 potential of relaxing Guideline 1. In order for Guideline 1 to be relaxed Water Corporations
 need to be confident that councils have demonstrated a robust program of audits/inspections
 showing a high level of compliance for existing systems. If there is no system of inspections or
 compliance monitoring, the guidelines must apply.
- Section 10, References documentation should be in a consistent manner and include or be amended to the following:
 - Department of Sustainability and Environment (note not DEPI), Guidelines Planning permit applications in open, potable water supply catchment areas (2012).
 - Victorian Government, Variation to State Environment Protection Policy (Waters of Victoria) (2003)
 - EPA, Code of Practice Onsite Wastewater Management, Publication 891.4 (2016)
 - Planning and Environment Amendment (General) Act (2013)
 - Water Act, 1989
 - Victorian Planning Provisions
 - Safe Drinking Water Act, 2003
 - Safe Drinking Water Regulations 2015

- 2 -

- Section 10.1.5, Planning and Environment Act update reference to the current Planning and Environment Amendment (General) Act (2013). Delete any references to DEPI 2012 (which are the Guidelines) in this section.
- Section 10.1.7, Water Act, 1989 amend the wording to state that Section 183
 "empowers <u>urban</u> Water Corporations......". This section of the Act is only applicable to
 Water Corporations that have a sewerage district and does not apply to rural water suppliers
 such as GMW or Southern Rural Water.
- Section 10.1.8, Catchment and Land Protection Act Delete reference to DEPI 2012 from the end of this paragraph. The relevance of this Act is that it contains the list of declared Special Water Supply Catchments in Schedule 5.
- It is recommended that the Safe Drinking Water Act, 2003 be referenced and included as an Act of relevance to the DWMP as all Water Corporations have obligations under this Act.
- Table 10-2, Regulatory Authorities and their responsibilities
 - remove the paragraph relating to Water Corporations from the council list on P85.
 - Update references in the EPA list
 - Include GMW in the list of Water Corporations and identify that our role is as a storage manager. All Water Corporations have responsibilities under the Safe Drinking Water Act, 2003 and it is recommended this is identified in this section.
 - The paragraph regarding referrals of applications to Water Corporations is not accurate for reasons described earlier. Water Corporations can only receive an application if a planning permit is required or if the proposal is for unsewered development within their sewerage district.

If you have any further queries please contact Joanne Runciman, Senior Catchment Health Officer on (03) 5450 5313 or me on (03) 5826 5732.

- 3 -

Yours sincerely

Anie

Greg Smith MANAGER WATER QUALITY

INSERT

ITEM C3.2

PLANNING SCHEME AMENDMENT C84 - WURRUK GROWTH AREA

DIVISION: ACTION OFFICER: DATE: DEVELOPMENT

MANAGER LAND USE PLANNING

6 SEPTEMBER 2016

IMPACTS									
Financial	Communication	Legislative	Council	Council	Resources	Community	Environmental	Consultation	Risk
			Policy	Plan	& Staff				Management
\checkmark	✓	~		✓		✓	✓	✓	

OBJECTIVE

To consider a private Planning Scheme Amendment request to rezone land within the Wurruk Growth Area for residential use, and to request the Minister for Planning to Authorise Council, as the planning authority, to prepare Amendment C84 - Wurruk Growth Area, pursuant to Section 8A of the *Planning and Environment Act 1987,* and once Authorisation is granted, proceed to exhibition.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That

- 1. Council, having considered the private request (refer to Attachment 1), resolve to advance the Planning Scheme Amendment process to facilitate the rezoning of land within the Wurruk growth area.
- 2. Pursuant to Section 8A of the Planning and Environment Act 1987, Council resolve to request the Minister for Planning to Authorise Council, as the planning authority, to prepare Amendment C84 Wurruk Growth Area (refer to Attachment 2).
- 3. Council resolve to proceed with the public exhibition of Amendment C84 Wurruk Growth Area once Authorisation is granted.

BACKGROUND

In May 2016 Council received a request to rezone land within the Wurruk Growth Area (see Figure 1) to General Residential Zone – Schedule 1 (GRZ1), Low Density Residential Zone (LDRZ), apply a new Development Plan Overlay – Schedule 9 (DPO9) and update the Land Subject to Inundation Overlay (LSIO) and Heritage Overlay (HO). The rezoning request and relevant specialist reports are included in **Attachment 1** to this Report.

The subject land relates to the Wurruk Growth Area, which is identified within the Sale, Wurruk and Longford Structure Plan (2010). The Structure Plan advocates for the creation of well designed, complete neighbourhoods that are integrated with the existing adjoining residential areas and local facilities in Wurruk, in the short to medium term.



Figure 1: Wurruk Growth Area

An initial assessment of the rezoning request indicates that the application and its supporting information is generally of a standard that can now be progressed to the next stage in the process. However, the following four (4) components of the proposal have been the subject of further detailed discussion with both the proponents and the relevant statutory authorities.

1) Heritage place Kilmany Park Estate

The proponent is seeking a reduction in the extent of the existing Heritage Overlay, which currently applies to the Kilmany Park Estate (see Figure 2). The Heritage Assessment Kilmany Park (April 2016) report identified the extent to which the current Heritage Overlay could reasonably be reduced. As a consequence, a revised Heritage Citation has subsequently been prepared by Council's Heritage Advisor to reflect the new information and provide the basis for a revised Heritage Overlay to be considered as part of C84.

The Heritage Overlay provides a degree of protection to the main Mansion House itself and significant buildings, works and trees contained within the site. Significant view lines to and from the Estate and the (long) driveway from Settlement Road are also afforded protection. Any new development will also be required to be assessed against its potential impact on the heritage significance of Kilmany Park.



Figure 2: Kilmany Park Heritage Overlay. Pink shaded area - existing extent, black line - proposed extent

2) Impact by flooding

In response to advice from the West Gippsland Catchment Management Authority (WGCMA), Council is proposing to recognise the most up-to-date flood data by revising the extents of the current LSIO and Flood Overlay. The WGCMA has stated that it considers the rezoning of any land that would facilitate future residential development within areas that are subject to flooding, as unsuitable and inappropriate.

3) Proposed zones and overlays

In response to updated heritage and flooding information, Officers are suggesting that the following zones (refer to Figure 3) be applied to the subject land:

- Rezone land which is not flood prone to General Residential Schedule 1 and Low Density Residential Zone, as identified in the Sale, Wurruk and Longford Structure Plan (2010).
- Apply the Rural Activity Zone to the Kilmany Park Estate (as recommended in the Rural Zone Review (2009)), including land in the flood-prone area. Officers consider that the application of the Rural Activity Zone would better reflect the existing use of Kilmany Park as a residence, bed and breakfast and conference centre.
- Apply the LSIO and Flood Overlay to flood prone areas within the Planning Scheme Amendment area, based on the most up-to-date data provided by the WGCMA.
- Reduce the extent of the existing Heritage Overlay and update the associated Heritage Citation and relevant Clauses within the Wellington Planning Scheme based on the advice of Council's Heritage Advisor.



Figure 3: Proposed zones and overlays

4) The Development Plan Overlay

The Amendment also proposes the application of a DPO9 to the subject land. A Development Plan Overlay requires a Development Plan to be prepared prior to subdivision or development of the land. The purpose of a Development Plan is to describe all elements necessary to achieve quality residential development. It sets out the key principles for the long-term coordinated development of an area into a complete and fully integrated neighbourhood - including the preferred staging and a developer contribution system.

Given the strategic significance and scale of the proposed development, a specific schedule has been prepared for the Wurruk Growth Area, which will require the preparation of a single Development Plan for the whole of the Growth Area. To achieve the best possible land use outcome a concept plan and design principles have been included within the schedule. The key design principles upon which the Development Plan would be based, include the need to create:

- A distinctive neighbourhood with a strong sense of place:
 - This principle requires the Development Plan to take account of existing significant features e.g. the natural topography, the Kilmany Park (heritage) Estate and native scattered trees.
- A connected and integrated movement network:
 - This principle requires consideration to be afforded to the creation of a permeable and safe road network, including paths for pedestrian and cyclists, which provide connections to the Wurruk Primary School and to the Sale CBD.
- A centrally located and accessible community area for the use of the whole Wurruk community:
 - This principle seeks to secure the provision of accessible public open space of at least 5 hectares in area to provide facilities such as a regional playground, a junior football ground and an area reserved for a neighbourhood activity centre for commercial and community uses.
- An attractive and safe neighbourhood:
 - This principle requires specific design approaches to all interfaces (e.g. the Princes Highway, adjoining established residential areas, Settlement Road) and the provision of natural surveillance.

Further specialist reports will be required to support the preparation of the Development Plan including: traffic, native vegetation and cultural heritage studies. The proposed Schedule will also require the need for community participation in the preparation of the Development Plan, prior to its approval.

Although the provisions of the draft Schedule could be perceived as being very detailed, the level of prescription proposed is directly commensurate with the complex land use issues at play within the Growth Area and the need to achieve the best possible planning outcome.

The provisions of the DPO9 also provide the flexibility for revisions to the Development Plan to be considered by Council over the course of its anticipated life.

A full set of the draft Planning Scheme Amendment documents - including the revised Heritage Citation and proposed DPO9, are included in **Attachment 2** to this Report

It should be noted that as a consequence of further detailed discussions between the proponent and Council Officers, that the proposal as submitted (refer to **Attachment 1**) differs from the Planning Scheme Amendment currently proposed to be exhibited (see **Attachment 2**). If the proponent wishes to challenge Council's suggestions, the Amendment process affords an opportunity to do so through an independent Planning Panel.

OPTIONS

Council has the following options:

- To advance the residential rezoning of land within the Wurruk Growth Area by requesting the Minister for Planning to Authorise Council, as the planning authority, to prepare Amendment C84 - Wurruk Growth Area pursuant to Section 8A of the *Planning and Environment Act 1987* and once Authorisation is granted, proceed to exhibit Amendment C84.
- 2. To not advance the rezoning of land within the Wurruk Growth Area.
- 3. To seek further information prior for considering a further report at a future Council Meeting.

PROPOSAL

That Council

- 1. Having considered the private request (refer to **Attachment 1**), resolve to advance the residential rezoning of land within the Wurruk growth area, Wurruk.
- Pursuant to Section 8A of the *Planning and Environment Act 1987*, resolve to request the Minister for Planning to authorise Council, as the planning authority, to prepare Amendment C84 – Wurruk Growth Area (refer to **Attachment 2**).
- 3. Resolve to proceed with the public exhibition of Amendment C84 Wurruk Growth Area once Authorisation is granted.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

FINANCIAL IMPACT

As Amendment C84 is a private request, all direct financial costs associated with the Amendment process will need to be met by the proponent.

COMMUNICATION IMPACT

Should Council decide to proceed with C84, landowners within and directly surrounding the Wurruk growth area will receive notification of the public exhibition once Authorisation is granted by the Minister for Planning. The Council website will also be updated accordingly.

LEGISLATIVE IMPACT

Should Council decide to proceed with Amendment C84, it will need to seek the Minister for Planning's formal Authorisation, as stipulated by the *Planning and Environment Act 1987* prior to public exhibition.

Wellington Shire Council is committed to upholding the Human Rights principles as outlined in the *Charter of Human Rights and Responsibilities Act 2006 (Vic)* and referred to in Council's Human Rights Policy. The Human Rights Checklist has been completed and the proposed amendment to

the Wellington Planning Scheme is in accordance with Council's policy commitment to uphold human rights principles.

COUNCIL PLAN IMPACT

The Council Plan 2013–17 Theme 5 Land Use Planning states the following strategic objective and related strategy:

Strategic Objective

"Appropriate and forward looking land use planning that incorporates sustainable growth and development."

Strategy 5.1

"Ensure Land Use Policies and Plans utilise an integrated approach to guide appropriate land use and development."

Amendment C84 supports the above Council Plan strategic objective and strategy.

PLANNING POLICY IMPACT

Amendment C84 is consistent with the State and Local Planning Policy Frameworks (SPPF and LPPF) within the Wellington Planning Scheme, the Sale, Wurruk and Longford Structure Plan (2010), the Gippsland Regional Growth Plan (2014) and the relevant State Government Planning Practice Notes.

Clause 21.05 of the Wellington Planning Scheme - Sale, Wurruk and Longford Strategic Framework, identifies the subject land for urban residential expansion.

COMMUNITY IMPACT

The development of the Growth Area will have a generally positive impact on the Wurruk community as a whole. The integrated and coordinated development of the Growth Area will provide for an accessible community area with accessible open space and pedestrian and cycling connections to Wurruk and Sale. Through the provision of a range of block sizes, the proposal will ultimately afford new opportunities to accommodate the growing population of Sale.

It is anticipated that existing landowners, particularly those who currently adjoin the Growth Area land, may have concerns relating to the potential impacts of the proposed rezoning's, on their property. It should be noted that the fundamental principle of residential development within the Growth Area has been advocated in the Sale, Wurruk and Longford Structure Plan since its adoption by Council in 2010.

ENVIRONMENTAL IMPACT

On the basis of advice obtained from the WGCMA, the Amendment will facilitate revisions to the extent of the current flood mapping within the Wellington Planning Scheme to reflect the most up-to-date data – as it applies to the subject land.

Other preliminary assessments have not identified any potential negative impacts on the environment.

The proposed DPO9 will require further detailed assessments to be undertaken at a later date in the process and prior to the commencement of any development.

In relation to the proposed rezoning of land to LDRZ, the option to create lots of either 2,000m² or 4,000m² exists and will depend upon the availability of reticulated services and the ability to address the issue of wastewater disposal. This issue can be considered in more detail at the Development Plan preparation stage.

CONSULTATION IMPACT

Amendment C84 will be exhibited in accordance with the procedures required by the *Planning and Environment Act 1987.* On the basis that support is given for the request to be made to the Minister for Planning to Authorise the Amendment, the process would allow for the following:

- a) The exhibition period for Amendment C84 is tentatively scheduled in November/December 2016, during which submissions can be made by the general public;
- b) Depending on the nature of submissions received, Council could either abandon the Amendment, choose to try and resolve any issues raised by submitters, or request the Minister for Planning to appoint an expert independent Planning Panel to consider the submissions and make recommendations to Council.

ATTACHMENT 1

Beveridge Williams

Reference: 1400147 Office: Sale

6 May 2016

Wellington Shire Council 18 DeSailly Street Sale VIC 3850

Dear

RE: APPLICATION TO AMEND THE WELLINGTON PLANNING SCHEME REZONING OF LAND LOTS 6 & 7 ON P5702630, LOT 1 ON P5410216, LOT 2 ON P5610634, LOTS 1 & 2 ON P5415183 & CROWN ALLOTMENT 21, SECTION E, PARISH OF WURRUK WURRUK

We refer to the above matter and advise that we act on behalf of the owners of the above land parcels, who are:

- Jelaryl Pty. Ltd.
- Park Ridge Investments Pty. Ltd.
- Reyela Pty. Ltd.
- Pearsondale Heights Pty. Ltd.

We refer to the Sale, Wurruk & Longford Structure Plan, which was incorporated into the Wellington Planning Scheme through Amendment C67 on 8 November 2012 and recognize that this established Council's official policy position for residential growth across the Sale, Wurruk & Longford area.

Since this incorporation occurred, we have undertaken a series of site investigations to clarify whether development of the above parcels in South Wurruk can be carried out in a manner that accords with the zonings foreshadowed in the Structure Plan and in the context of Council's strategic planning policies.

We have now completed our investigations, which included a site analysis, a heritage study, a vegetation assessment, a land supply/demand analysis, a drainage strategy and a land capability assessment and our conclusion is that the site is suitable for residential development at both low and general residential densities, as recommended in the Structure Plan.

Our clients request that Council commence a planning scheme amendment to rezone the land as a result of the findings of these reports.





ACN 006 197 215 ABR 38 006 197 285

Sale 45 Macalinter St PO Box 47 Sale Vic 3850 ph: 03 5144 3877



Accordingly, we ask that Council amend the Wellington Planning Scheme by making the following rezonings:

- Lots 6 & 7 on Plan of Subdivision No. 702630, Lot 1 on Plan of Subdivision No. 410216 and Crown Allotment 21, Section E, Parish of Wurruk Wurruk from Low Density Residential Zone to General Residential Zone (Schedule 1);
- Lot 1 & 2 on Plan of Subdivision No. 610634 from Farming Zone to General Residential Zone (Schedule 1);
- Crown Allotment 19, Section E, Parish of Wurruk Wurruk from Farming Zone to Low Density Residential Zone;
- Lot 1 on Plan of Subdivision No. 602219 from Farming Zone to both General Residential Zone (Schedule 1) and Low Density Residential Zone and Heritage Overlay (with a reduction to the existing extent of the overlay covering the land);
- Lot 2 on Plan of Subdivision No. 602219 from Farming Zone to both General Residential Zone (Schedule 1) and Low Residential Zone, Land Subject to Inundation Overlay, Floodway Overlay and Heritage Overlay (with a reduction to the existing extent of the overlay covering the land); and,
- Lots 2-6 on Plan of Subdivision No. 602219 from Farming Zone to Low Density Residential Zone with a Heritage Overlay.

It is also proposed to apply the Development Plan Overlay across all of the above sites and introduce a new Development Plan Overlay Schedule that will set out the requirements for the preparation of an outline development plan covering all of the above parcels.

We enclose for Council's consideration:

- A Site Analysis
- A Draft DPO Schedule
- An Explanatory Statement
- A Land Supply/Demand Assessment
- A Heritage Study
- A Drainage Strategy
- A Vegetation Assessment
- A Land Capability Assessment
- A Statutory Fee of \$798

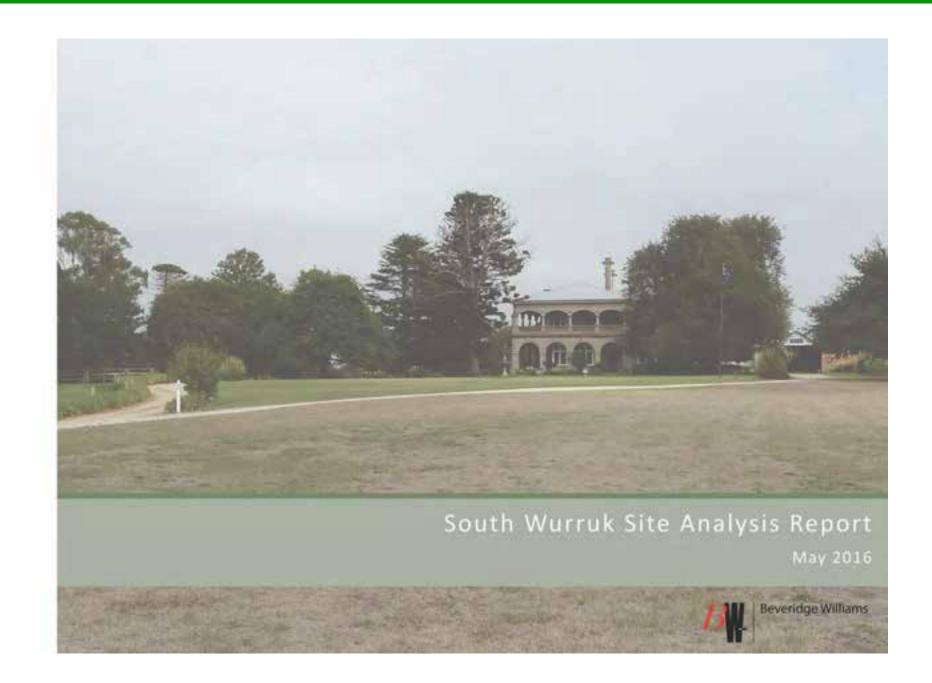
We believe that the information submitted is sufficiently comprehensive to enable Council to consider this request and that Council is in a position to proceed with the amendment.



We are happy to meet at any time to discuss this application or to provide further information on this request. Please do not hesitate to contact us should you have any queries.

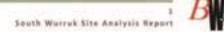
Yours sincerely, BEVERIDGE WILLIAMS & CO PTY LTD

CHRIS CURNOW Senior Planner – East Gippsland Region



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Meeting Agenda - Ordinary Meeting 6 September 2016

1.0 Background

1.1 Strategic Context

South Wurruk is identified as a future residential area in the Sale, Wurruk and Longford Structure Plan (September 2010). The Structure Plan notes that 'opportunity exists for the establishment of urbon residential and some rural residential development to form a complete neighbourhood that is integrated with the existing urban area and local facilities."



Bearing Arris

The following three elements comprise Weilington Shire Council's vision to ensure Wurruk and Wurruk South. is developed to create a complete neighbourhood:

Connected and Integrated Neighbourhoods

- · Link existing neighbourhoods to create a strong sense of place and strengthen community relationships.
- Development of roads and walking/cycling paths to link key facilities and locations within the development area, between existing neighbourhoods and between North/South Wurruk and Sale.

Site Specific Features

- · Enhance landscape character, including site topography and the Kilmany Park Heritage Estate.
- Enhance main access points along the Princes Highway and consider highway frontage treatments to establish the character of the new neighbourhood.

Open Space

- Provide easily accessible open space, available for use by the whole neighbourhood.
- Provide centrally located open space, typically within a 400m walkable catchment area.
- · Accomodate a new sports oval which will become an open space provision for the whole of Wurruk.



Minister Deniel Area - Exhad Store the Sall, Minhol and Langford Ministers Plan

South Wurruk Site Analysis Report



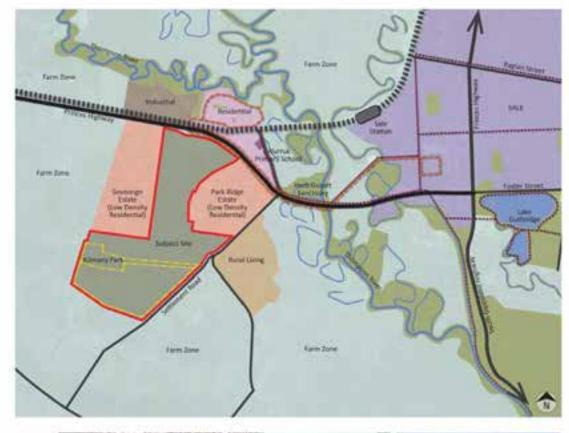
1.1 Site Context

South Wurruk is located 1.3km west of Sale, to the south of the Princes Highway. The development area is approximately 88 hectares in size and consists of ten land parcels.

The original Wurruk township is established to the north of the Princes Highway, consisting of standard density residential development. This vicinity also contains Wurruk Primary School, limited commercial development and one of Sale's main industrial precincts. A range of recreational sites including Wurruk Oval and Sale Bowling Club, as well as public open space along the Thompson River and within the Herb Guyatt. Sanctuary, are also located in the Wurruk township area.

The south side of the Princes Highway has been developed in more recent years and consists of low density residential housing. Sovereign Estate islocated to the west of the development area with lots of 4000-6000 square metres and Park Ridge Estate is located to the east with lots ranging from 3500 square metres to 3 hectares. The surrounding area also consists of some rural living to the south east, and is framed by farm zoned land on all sides, generally used for cattle grazing.

North and South Wurruk are separated by the Princes Highway and the railway line, which creates a strong divide between the two areas in terms of accessibility and neighbourhood character. The area is also physically separated from the Sale Town Centre area by the Thompson River, and the development plan provides the opportunity for greater linkages between these areas.





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South Worrus Site Analysis Report

Meeting Agenda - Ordinary Meeting 6 September 2016

2.0 Site Analysis

The subject site is currently coried Low Density Residential, however the Sale, Wurruk and Longford Structure Plan highlights the potential for some higher density residential development to the northern half of the site. to integrate with the surrounding estate developments to the east and west. The site is largely characterised by paddocks containing scattered trees and plantings, some flood prone land to the south and the Kilmany Park Heritage Estate, a significant historical feature that presents a strong landscape character to the area.

The key physical features and influences on the site which will underpin the preparation of the South Wurnuk. Development Plan are described and illustrated according to the following categories:

- · Access and Movement
- Landscape Character
- Vegetation
- · Topography and Views
- Drainage
- Heritage
- Services

















South Wurruk Site Analysis Report



2.1 Access and Movement

The Princes Highway to the north of the site provides the main point of access into the development area. Two roundabouts have been constructed in the recent realignment of the highway, which provides vehicular access to the North Wurruk residential area and community facilities, as well as to the Sale Urban Area located 1.3km to the east.

The site also has a number of access points from the surrounding local roads within Park Ridge Estate to the east and Sovereign Estate to the west. These provide opportunities for future new road connections, as well as the integration of the residential development into a unified neighbourhood precinct. There is also an unmade road reserve along the western boundary of the site, which is currently not in use.

There are two unsealed roads which traverse the site, including Arrup Road, which provides east-west vehicular access through the area, as well as the Kilmany Park Track, which provides private access to the heritage mansion. These two routes are to both be mostly retained, with the Arrup Road alignment and established avenues of planted vegetation to the south of the site to potentially dictate the future road layout of the development area. The track to the Kilmany Park Heritage Mansion should also be protected and continue to be used primarily to access the heritage site, and any surrounding residential development should be sympathetic and embracing of its established landscape character.

The Princes Highway and the Gippsland Railway Line currently present a strong divide between the South Warruk Development Area and North Warruk. There is the opportunity to provide better and safer connections between these areas for both vehicular and pedestrian/cycling access, as well as to the Sale Town Centre and broader region. The shared path network around the town centre should be extended and integrated into the new neighbourhood precinct, and connections to community facilities, the school, public open space and public transport, including Sale Station and the existing bus route along the highway, should be enhanced.



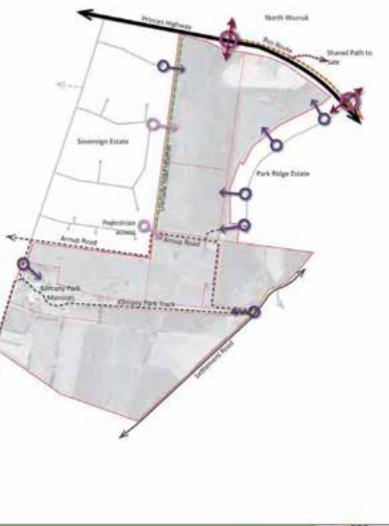
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South Wurrus Site Analysis Report



2.2 Landscape Character

The development area has predominantly been used for agricultural and grazing purposes and the landscape sharacter of the site is reflective of this, although the northern half presents quite a different quality to the south.

The northern area above Arrup Road is higher and offers views across the surrounding land, particularly from the ridgeline along the centre of the site. It is mainly cleaned of vegetation and the developments to both the east and west provide an established residential interface which will influence the development across the subject site. The Princes Highway also has a strong influence on the character of the area, providing a physical buffer and noise barrier to the region beyond.

The south of the site is characterised by low lying land which is partly covered by a Land Subject to inundation Overlay (LSAO). The land is covered in parture grasses, some scattered paddock trees and lines of planted vegetation, and offers long views out to the surrounding farmland. The Klimany Park Heritage Estate divides this character precinct, the buildings and landscape of which have a strong presence in the setting.

The character of the site is also heavily influenced by the presence of the Kilmany Park Mamion and the surrounding homeshead. The access track leading up to the manison is a key landscape feature of the area and should be protected and enhanced during the development of the site. The estate grounds also comprise a number of existing outbuildings, a greased oval area and established historic vegetation, which are to be retained and will contribute to the landscape setting of the future residential neighbourhood.





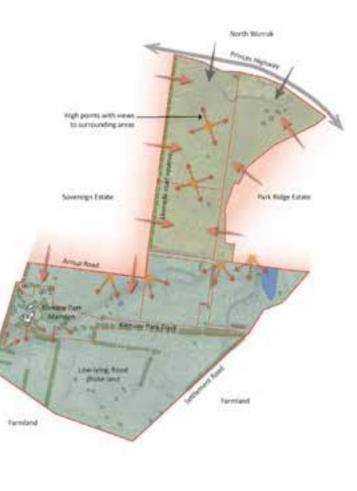
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South Wurruk Site Analysis Report



Meeting Agenda - Ordinary Meeting 6 September 2016

2.3 Vegetation

The subject site has previously been cleared and used for agricultural purposes, however there is some scattered vegetation and planted evenues of trees as well as two protected trees to the north east of the site which are ferced and covered by a Section 173 agreement.

The Ecological Vegetation Class (EVC) identified for most of the land is primarily 'Plains Grassy Woodland', and there are 44 scattered native trees identified on the site which are representative of this bioregion. These are predominantly Gippland Red Gum (Eucolyptus tereticoms subsp. mediana), River Red Gum (Eucolyptus comadulensis), or hybrids between the two species. Where possible, new residential development should aim to retain most of this native vegetation.

There is planted vegetation, which is predominantly exotic, along Arrup Road, Klimany Park Track and Settlement Road as well as shelterbelts between some paddocks. There are also several planted trees in the grounds immediately surrounding the buildings at Kilmany Park, comprising mostly exotic species, with some scattered natives. There is a large English Dak Tree to the west of the mansion which is estimated to be approximately 100 years old and is of historical significance to the area. A commemorative plaque by the tree ontes that It was "Planted by His Majesty King George V when visiting Kilmany Park as HRH The Duke of York on 15th May 1901".

The entirety of the development area is also dominated by introduced groundcover pasture species, reflecting the current and past agricultural land uses of grazing and cropping. There are no species of threatened flora or fauna identified on the land and the vegetation remaining on site has a highly modified structure.

The unused road reserve along the western boundary of the site also contains some vegetation which currently provides a landscape buffer to the adjacent residential development.





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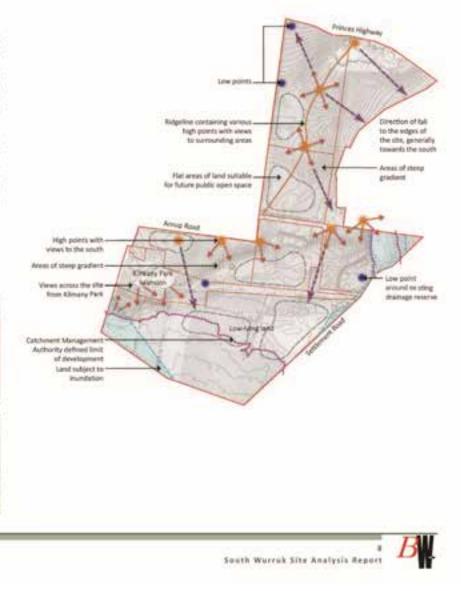
2.4 Topography and Views

The subject site is located within the Gippsland Plain bioregion, which typically comprises flat low lying coastal and alluvial plains with some gently undulating terrain. The land within the site generally falls north to south, with varying topographical features throughout the area.

To the north of the development area adjacent to the Princes Highway lies a former quary. A ridgeline extends through the centre of the site from this location, with a number of high points offering views across the site and surrounds, providing valuable land for residential development. The land around this consists of undulating terrain, with areas of steep gradient as well as some flat open spaces further towards the middle section of the site, which have the potential to be utilised for active open space.

Views throughout the middle of the site highlight the landscape and benitage character of Kilmany Park. There are also some significant sightlines across the area from the mansion itself, which any future residential development would need to be sympathetic to.

The bottom half of the development area, generally to the south of the Kilmany Park Heritage Estate, is much flatter with some low points and drainage basins, failing away to floodplains further to the south where the land is covered by a Land Subject to inundation Overlay (LSIO). The land sitting above this flood prone lane would be most suitable for lower density residential development to integrate with the surrounding area.





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2.5 Drainage

The site generally fails towards the flood prone land to the south, with a range of existing drainage infrastructure that should be incorporated and enhanced within the development plan.

The high points along the central ridgeline to the north fall towards the edges of the site, and there are a number of defined drainage lines running towards existing reserves and various low points across the area. These existing systems provide the opportunity to incorporate new wetland areas and stormwater detention into the future residential development.

The lower half of the site is low lying and partly covered by a Land Subject to inundation Overlay (LSIO). which may experience some flooding during large rainfall events. This will have a large impact on future development within this vicinity, and the area provides the potential for further wetland treatment areas.











2.6 Heritage

The heritage qualities of the site are a key contributor to the overall landscape character of the development area, including the historical presence of the Kilmany Park Heritage Estate, established vegetation and the existence of some areas of aboriginal heritage sensitivity.

Kilmany Park Estate is a post settlement heritage site, comprising a homestead and double storey mansion that was constructed in the Federation style and has recently been repaired and operates as a field and Breakfast and Function Centre. It is one of the oldest established properties in Eastern Victoria and the Wellington Meritage Study notes that it is of considerable historical and aesthetic significance to Wellington Shire and the Gippsland region. There is a grassed oval area to the east of the buildings and several planted trees around the homestead and along the Kilmany Park Track leading up to the estate, which add to the overall landscape and heritage setting of the mansion. There is also a large English Oak Tree to the west of the mansion which is estimated to be approximately 300 years old and is of historical significance to the area.

Access to the estate is currently from Settlement Road via an existing crossover at the eastern boundary and from Reid Drive via a crossover at the northwest corner. The landscape and views to and from the estate entrance and homestead contribute to its heritage qualities and should be maintained and enhanced in the preparation of the development plan.

The site is recognised as having soils from 'Briagolong' Class, which are considered appropriate for cattle grazing, but are not seen as prime agricultural soils. An area which is noted to have some aboriginal heritage sensitivity also extends across the site from the wast around the existing drainage reserve.



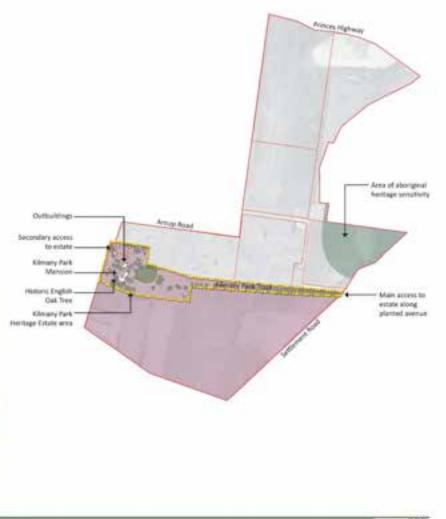
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South Wurruk Site Analysis Report



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2.7 Services

The development area comprises some existing drainage infrastructure across the site. There is a severage pumping station proposed to the east of the site adjacent to the Klimany Park Estate main entrance, although there is no reticulated severage infrastructure available in this part of Wurruk at this time.

The surrounding residential areas to the east and west have water connections and septic tanks in use, and are also connected to reticulated electricity and telecommunication. Future residential development within the study area will be able to pick up on service connections from these areas.

The southern portion of the area also contains a number of powerline easements, with the main one extending across the north west corner of the site. This existing electrical infrastructure is to be removed.



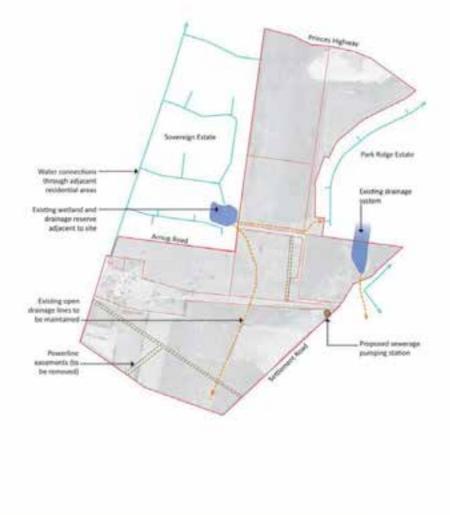


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WELLINGTON PLANNING SCHEME

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SCHEDULE 9 TO THE DEVELOPMENT PLAN OVERLAY

Shown on the planning scheme map as DPO9

SOUTH WURRUK

Requirement before a permit is granted

A permit may be granted before a development plan has been prepared to the satisfaction of the Responsible Authority for the following:

- A minor extension, minor addition or minor modification to an existing development that does not prejudice the future, orderly development of the general area affected by the Development Plan Overlay.
- Any development that would only otherwise require permission under the Heritage Overlay.

Conditions and requirements for permits

2.0 xxhx/2017

Before deciding on an application to subdivide land, construct buildings, or carry out works, the responsible authority must consider, as appropriate:

- Whether the development of the land is occurring in an orderly manner having regard to
 essential services, drainage infrastructure, community facilities and roads.
- The potential for future re-subdivision of lots.
- The relationship of proposed and existing nearby developments, to reduce the chance of conflicting developments.
- Safe and efficient vehicle access to Settlement Road, the Princes Highway, The Ridge and Reid Drive from lots within the plan area.
- The adequacy of walk/cycle facilities within the plan area and its external connections.
- The preservation of the Heritage significance of the Kilmany Park Estate.
- The timing of the development of the land.
- · The consistency of the proposed development with the approved development plan.

3.0 Re

xx/xx/2017 C84

Requirements for development plan

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A development plan must be prepared to the satisfaction of the responsible authority. The plan must show:

Land use and Subdivision

- The proposed boundaries of the development plan area and provide justification for those boundaries.
- The layout of all allotments within the development plan area.
- The overall pattern of development within the immediate surrounding area.
- The proposed use and development of each part of the plan area.
- Street networks that provide direct, safe and convenient pedestrian and cycle access to all lots with the plan area from external connection points.
- An accessible and integrated network of walking and cycling routes for safe and convenient travel to nearby walk/cycle facilities.
- A neighbourhood activity centre.

DEVELOPMENT PLAN OVERLAY - SCHEDULE 9

PAGE 1 OF 2

WELLINGTON PLANNING SCHEME

Infrastructure Services

- The provision of an integrated drainage scheme that services all parts of the development plan area.
- The pattern and location of any internal road system based on a safe and practical hierarchy of roads that include safe pedestrian and bicycle connections and crossing points and appropriate connection points to the Princes Highway at Hunt Place, Reid Drive, The Ridge and Settlement Road.
- All lots in the General Residential Zone must be designed to have the capacity for connection to reticulated water, sewerage, electricity, natural gas and drainage.
- All lots in the Low Density Residential Zone must be designed to have the capacity for connection to reticulated water, electricity, natural gas and drainage.

Open Space Network and General Amenity

- A public open space reserve must be provided in accordance with the provisions of ResCode (Clause 56) and have adequate dimensions to accommodate a Passive' open space that includes a Regional Playground and an 'Active' open space that includes a junior football oval (including club rooms).
- Appropriate natural surveillance from private lots to provide a sense of safety and security along all internal roads as well as integration with the surrounding neighbourhood, where appropriate.
- An overall scheme for landscape planting and the preservation of stands of existing indigenous vegetation and individual trees wherever possible.

Process and Outcomes

The development plan should be prepared with an appropriate level of community consultation as determined by the Responsible Authority.

An implementation plan must be submitted as part of the development plan, indicating the proposed staging of the development.

A "Developer Contribution Scheme" must be prepared to ensure that any developer contributions towards the cost of internal and external public infrastructure deemed necessary through servicing reports prepared as part of this plan is provided for on an equitable basis.

The approved Development Plan can be amended by the Responsible Authority upon request by the owner of land with the plan area.

4.0 Decision guidelines for development plan

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Before deciding on a development plan, the responsible authority must be satisfied that the plan has regard to the following iscontation:

- Wellington Shire Built Environment Strategy 2011-2015
- Wellington Shoe Walking and Cycling Strategic Plan 2012-16
- Wellington Skiro Public Open Space Plan 2014-2024

DEVELOPMENT PLAN OVERLAY - SCREDULE 9

PAGE 2 OF 2

Planning and Environment Act 1987

WELLINGTON PLANNING SCHEME

AMENDMENT C[INSERT AMENDMENT NUMBER]

EXPLANATORY REPORT

Who is the planning authority?

This amendment has been prepared by the Wellington Shire Council, which is the planning authority for this amendment.

The amendment has been made at the request of Beveridge Williams & Co. Pty. Ltd. on behalf of Daryl Page, Steven Bailey, Martin Bailey, David Hollonds and Barry Hollonds.

Land affected by the amendment

The amendment applies to:

- Lots 6 & 7 on Plan of Subdivision 702630 (PS702630);
- Lot 1 on Plan of Subdivision 410216 (PS410216);
- Crown Allotment 21, Section E, Parish of Wurruk Wurruk;
- Lot 2 on Plan of Subdivision 610634 (PS610634);
- Crown Allotment 19, Section E, Parish of Wurruk Wurruk; and,
- Lots 1 & 2 on Plan of Subdivision 415183 (PS415183).



What the amendment does

The amendment rezones Lots 6 & 7 on PS702630, Lot 1 on PS410216, CA21 and Lot 2 on PS610634 to General Residential Zone and CA19 and Lots 1 & 2 on PS415183 to Low Density Residential Zone. It will also reduce the extent of Lot 1 on PS415183 that is affected by a Heritage Overlay.

Strategic assessment of the amendment

Why is the amendment required?

The amendment is required to allow the land to be developed for residential purposes at a mixture of low and standard densities. To achieve this, the amendment seeks to rezone the land as follows:

- Lots 6 & 7 on Plan of Subdivision No. 702630, Lot 1 on Plan of Subdivision No. 410216 and Crown Allotment 21, Section E, Parish of Wurruk Wurruk from Low Density Residential Zone to General Residential Zone (Schedule 1) with a Development Plan Overlay;
- Lot 1 & 2 on Plan of Subdivision No. 610634 from Farming Zone to General Residential Zone (Schedule 1) with a Development Plan Overlay;
- Crown Allotment 19, Section E, Parish of Wurruk Wurruk from Farming Zone to Low Density Residential Zone with a Development Plan Overlay;
- Lot 1 on Plan of Subdivision No. 602219 from Farming Zone to both General Residential Zone (Schedule 1) and Low Residential Zone with a Development Plan Overlay and Heritage Overlay;
- Lot 2 on Plan of Subdivision No. 602219 from Farming Zone to both General Residential Zone (Schedule 1) and Low Residential Zone with a Development Plan Overlay, Land Subject to Inundation Overlay, Floodway Overlay and Heritage Overlay; and,
- Lots 2-6 on Plan of Subdivision No. 602219 from Farming Zone to Low Density Residential Zone with a Heritage Overlay.

This amendment is supported by the Sale, Wurruk & Longford Structure Plan and the change of zonings will facilitate the identified development outcome.

How does the amendment implement the objectives of planning in Victoria?

The objectives of planning in Victoria are:

- To provide for the fair, orderly, economic and sustainable use and development of land.
- b) To provide for the protection of natural and man-made resources and the maintenance of ecological processes and genetic diversity.
- c) To secure a pleasant, efficient and safe working, living and recreational environment for all Victorians and visitors to Victoria.
- d) To conserve and enhance those buildings, areas or other places which are of scientific, aesthetic, architectural or historical interest, or otherwise of special cultural value.
- e) To protect public utilities and other assets and enable the orderly provision and
- coordination of public utilities and other facilities for the benefit of the community.
- To facilitate development in accordance with the objectives set out in the points above.
- g) To balance the present and future interests of all Victorians.

The amendment implements the objectives of the *Planning and Environment Act* 1987 by allowing for the residential development of well-located land at a range of densities within the Urban Growth Boundary of Wurruk.

How does the amendment address any environmental, social and economic effects?

Environment

All of the land has been previously cleared for agricultural purposes and retains only scattered paddock trees that require protection through the amendment and development process. All land within the floodplain at the southern and southeastern extremities of the land will remain protected through the updated Land Subject to Inundation and Floodway Overlays, which also form part of the Amendment

Social

Much of the land is presently open pasture that is flanked either by lower density residential development or farmland.

The most significant asset within the development area from a social perspective is the Kilmany Park Mansion, a cluster of smaller buildings that flank its northern side and the driveway leading to them from Settlement Road. These buildings sit in the southwest corner of the overall development site and are recognized as having heritage significance for both aesthetic and historic reasons, insofar as the mansion was constructed by members of the Pearson family, who were prominent in both Sale society and the expansion of the regional agricultural sector through the 19th Century.

The proposed rezoning and development will facilitate the gradual expansion of standard density residential development across the site and extension of lower density residential development both around the Kilmany Park Mansion and to its east.

In order to avoid creating negative social outcomes through this change, the proposal includes application of a Development Plan Overlay, which will used to ensure that the development of all sites is carried out in an orderly and coherent fashion that does not create a lag between infrastructure provision and population growth, whilst also ensuring the development layout creates sensitive interfaces between the existing and new development.

The development of the land will include the creation of a large new public reserve that will be developed for active recreation purposes, i.e. relocation of the Wurruk Cricket Club, which will allow for a substantial upgrade to the existing facility and provide a new focal point for community activity.

Otherwise, the projected population growth from the overall development of the land will increase Wurruk's population by at least 2,000 people over the coming 15-20 years, which will provide critical mass for an extensive improvement and expansion of commercial and community services. This growth will be instituted in a staged fashion in order to ensure that local community and commercial facilities are able to keep pace and the demand for services never exceeds supply.

Economic

Through the development phase of the project, economic benefits will be felt by road construction firms, earthworks contractors, sand and gravel quarries and suppliers, landscapers, telecommunications contractors, concreters, electrical contractors, plumbing contractors, real estate agents, local hotels, restaurants and convenience food outlets. Once housing construction commences, local builders and building supply firms, plumbers, gasfitters, electricians, concreters, landscapers, real estate agents and conveyancers will all directly benefit. Once, the estate is fully developed with housing, there will be a substantial boost to Council's rates base that will have positive flow on effects for both Wurruk and the broader community. On top of this, there will be a general boost in economic productivity through the capacity of the Sale/Wurruk urban centre to accommodate a larger working population.

Does the amendment address relevant bushfire risk?

The subject land is itself mostly cleared of vegetation apart from pasture grass and some scattered paddock trees. It abuts landscaped residential developments to the east and west, the Princes Highway road reserve to the north and cleared grazing land to the south.

Although the subject site is not recognized as having any bushfire risk through the planning scheme, it is located in a Designated Bushfire Prone Area and, hence, all buildings built thereon will need to be constructed to a minimum standard to provide protection from bushfire events.

The nearest bushfire threat would appear to come from copses of native vegetation that flank the Latrobe River, which runs in an east-west direction 2.65 kilometres to the south.

The proposed development of the land has been designed to ensure that all lots created will be able to accommodate buildings constructed in accordance with the relevant State and Local Planning Policies and in a manner that will not increase risk to life or property from a bushfire, or the need for any ongoing land management controls.

Does the amendment comply with the requirements of any Minister's Direction applicable to the amendment?

The amendment complies with:

- the requirements of the Ministerial Direction on the Form and Content of Planning Schemes at Section 7(5) of the Planning and Environment Act 1987; and,
- Under Section 12 of the Planning and Environment Act 1987, the following applicable Ministerial Directions:
 - > Ministerial Direction No. 11 Strategic Assessment of Amendments; and
 - > Ministerial Direction No. 15 The Planning Scheme Amendment Process.

This amendment to the Wellington Planning Scheme is accompanied by all the required information.

How does the amendment support or implement the State Planning Policy Framework and any adopted State policy?

The amendment is supported by the following State Planning Policy Framework objectives:

Clause 11.02 Urban Growth

The proposed amendment will increase the supply of urban land available for residential development by an additional 800 lots, which represents a 10.5 year increase in land supply based upon the projections in the Land Supply / Demand Analysis that accompanies this report. This increase will expand the land supply across the overall Sale/Wurruk area out to 18 years, which is more in line with State Government recommendations and will help to facilitate the growth expectations set out in the Gippsland Regional Growth Strategy, which predicts that Sale will require 1,500 new dwellings by 2041. Otherwise, it is noted that the layout will facilitate the creation of valuable community facilities within an appropriately layered set of development densities to ensure a diversity of housing and lifestyle choices can be accommodated. This outcome will also allow for improved utilisation of existing and available infrastructure, such as reticulated sewerage/water facilities and Council's existing walk/cycle path between Wurruk and Sale.

Clause 11.08-3 Sustainable Communities

The proposed amendment retains development within the Wurruk settlement boundary that has been identified in the structure planning exercises and can mitigate risks to the natural environment and agriculture.

Clause 12.04: Significant Environments and Landscapes

The proposed amendment and subsequent development will ensure protection of the heritage assets around the Kilmany Park Mansion through the retention of an appropriately extensive and detailed Heritage Overlay over the property.

Otherwise, the inclusion of the Development Plan Overlay will facilitate an appropriate design response to address the manner in which any future residential development presents to the Princes Highway and Settlement Road.

Clause 13.02: Floodplains

The proposed amendment will have the effect of resetting the extent of the Land Subject to Inundation Overlay and Floodway Overlay so that they more appropriately accord with the findings of the Latrobe River Flood Study in order to ensure that there are no impacts on or from floodplains as a result of the future development of the land for residential purposes.

Clause 15.01: Urban Environment

The proposed amendment will further strengthen the Sale/Wurruk urban centre through increases in population and housing choice within an area that enjoys good pedestrian, cycle, public transport and private vehicle access to Sale's central activity district.

The inclusion of a development plan overlay will ensure that the development of each individual estate is carried out as part of a coherent whole. This will have the effect of allowing a diverse range of properties that take advantage of the overall site's gently undulating topography to be developed in an ordered fashion that avoids creating shortfalls in the timing of infrastructure provision, whilst also allowing for efficiencies through the shared construction and use of necessary public assets, e.g. stormwater treatment facilities and public recreation reserves.

Clause 15.03-2: Aboriginal Cultural Heritage

The subject site is noted as having potential sensitivity to aboriginal cultural heritage in its eastern portion. This will be investigated prior to the finalisation of any development plan layout to ensure that any sensitive material and sites discovered as part of further investigations are either avoided or appropriately managed.

Clause 16.01-4: Housing Diversity

Through its facilitation of a broad range of lot sizes, i.e. General Residential Zoned lots of between 600m² and 1,000m², Low Density Residential Lots of between 2,000m² and 5,000m², in a gently undulating setting, the proposed amendment and subsequent development will create a broad diversity of housing and lifestyle opportunities that will bring broad diversification across the market and municipality generally.

How does the amendment support or implement the Local Planning Policy Framework, and specifically the Municipal Strategic Statement?

The amendment is supported by the following Local Planning Policy Framework objectives:

Clause 21.04: Settlement and Housing

The proposed amendment will:

- Further promote Sale as the main employment, education, medical and commercial centre of the Shire;
- Accommodate population growth over the next fifteen years in a settlement that can
 accommodate change and is expected to grow;
- Allow the development of an identified growth area with access to adequate infrastructure;
- Ensure, through the inclusion of a development plan overlay over the whole site, that
 there will be cohesion between the new housing estates and existing movement corridors
 and public infrastructure that will be created as part of the development, e.g. recreation
 reserves, bus stops and walk/cycle pathways, in order to encourage physical activity and
 reduce motorised vehicle use;

- Promote, through the connection of reticulated sewerage across all commandable areas, improved sewerage infrastructure;
- Ensure, through the inclusion of a development plan overlay over the whole site, a
 comprehensive stormwater drainage system that prevents high nutrient and sediment
 concentrations from entering waterways and wetlands within the overall catchment;
- Avoid impacts on agricultural land by ensuring there are appropriately low densities where interfaces occur;
- Support and reinforce the regional role of Sale/Wurruk through an increase in the capacity of the town to accommodate a population that is in line with the growth estimates in the Gippsland Regional Growth Strategy;
- Support development that accords with the outcomes foreshadowed through Sale, Wurruk & Longford Strategy Plan at Clause 21.05;
- Facilitate a residential rezoning that will increase land supply with the Sale/Wurruk area from 7.5 years to 18 years and provide a broader choice of residential locations;
- Encourage urban development within existing town boundaries and in an identified growth area;
- Promote, through the use of a development plan overlay, urban design that encourages
 physical activity and accessibility to public open spaces as part of a broader network of
 walking and cycling opportunities;
- Not affect the operation of high quality farmland, as its direct abuttal to farmland is very limited and will only comprise one lot density lot;
- Not affect environmental features, as there are all remaining significant trees will be retained in reserves and there will be no housing allowed on land within the floodplain;
- Encourage increased housing densities within the principle urban centre within the Shire;
- Ensure, through the development plan overlay, that interfaces with the Princes Highway
 and, to a lesser extent, Settlement Road reflect the importance of the area and improve
 the impression that Wurruk creates to road users;
- Protect, through the retention of a heritage overlay over the pertinent areas of the site, the historic and aesthetic significance of the Kilmany Park Mansion;
- Ensure, through the requirements within the development plan overlay and attendant traffic study that access and use of the Princes Highway and Settlement Road reflects the importance of these roads to all road users, including vehicles, cyclists, pedestrians and the mobility impaired;
- Encourage, through the development plan overlay, physical activity and social interaction through the creation of a conveniently-located public recreation reserve and neighbourhood activity centre with easy pedestrian/cycle/motorised vehicle access;
- Integrate, through the development plan overlay, appropriate levels of access to Kilmany Park Mansion in order to foster its ongoing role as an iconic building within the social fabric of the Sale/Wurruk area;
- Ensure that adequate effluent and stormwater discharge systems are provided through compliance with the land capability assessment and drainage strategy provided as part of the amendment application;
- Maintain access to an appropriately scaled and developed public recreation reserve within Wurruk through the creation of a new facility as part of the development in order to replace the existing sub-standard facility on the north side of the Princes Highway;
- Prevent, through adherence with the findings of the drainage strategy provided with the application to rezone, nutrients and sediments entering waterways, wetlands and groundwater through stormwater systems;

- Ensure, through the holistic outcomes secured through the development plan overlay, that new public infrastructure is delivered in a cost efficient manner;
- Provide for full subdivision of all low density residential areas that have the potential to be sewered.

Clause 21.05: Sale, Wurruk and Longford Strategic Framework

The proposed amendment is in keeping with the strategic direction set out within the Sale, Wurruk and Longford Structure Plan, insofar as it earmarks the subject sites as being part of the broader Sale/ Wurruk area's western growth corridor and recommends use of the zonings that have been proposed.

Clause 21.13-1: Rural and Natural Landscapes

The proposed amendment will employ the General Residential Zone through the portions of the overall land that abut the lower density residential areas and the Low Density Residential Zone across the portions of the land that abut farmland. In this manner it will create an appropriate graduation from the built up areas to the interface with open farmland, noting that there is only one direct interface with open farmland, i.e. at the southern end of the western periphery, most of which will not experience development due to its inclusion in the Kilmany Park Heritage area.

Does the amendment make proper use of the Victoria Planning Provisions?

The amendment seeks to use the General Residential Zone, Lower Density Residential Zone, Development Plan Overlay, Heritage Overlay, Low Density Residential Overlay and Floodway Overlay to facilitate the residential development of the subject site at a mixture of densities that are deemed appropriate to facilitate efficient and appropriate use of the land.

The scaling back of the Heritage Overlay is proposed to manage the development of land around the Kilmany Park mansion in a fashion that respects the ongoing significance of this heritage place in the context of a low density residential, as distinct from a farming, area.

How does the amendment address the views of any relevant agency?

The preliminary views of VicRoads, the West Gippsland Catchment Management Authority and Gippsland Water have already been sought with no objections raised. Their comments will be sought again during the public exhibition process.

Does the amendment address relevant requirements of the Transport Integration Act 2010?

The amendment will necessitate a connection to the roundabout on the Princes Highway at Hunt Place. This roundabout has been constructed with this outcome in mind and, hence is not likely to have a significant impact on the transport system, as recognized in Section 3 of the Transport Integration Act 2010. The statements of policy principles under Section 22 of the Transport Integration Act 2010 are not relevant to the current proposal.

Resource and administrative costs

What impact will the new planning provisions have on the resource and administrative costs of the responsible authority?

The proposal will be followed by:

- An application for approval of a Development Plan under the provisions of the Development Plan Overlay;
- Applications for planning permits for subdivision on all rezoned parcels of land;
- Applications for planning permits to construct buildings on land that will be affected by the Heritage Overlay. It is predicted that these controls will necessitate the issue of around xx planning permits. Otherwise, Council will become responsible for the maintenance of the public open space reserves and all other public infrastructure.

However, when balanced against the likely increase in rates revenue from an additional 800 lots, the resource and administrative costs will easily be outweighed.

Where you may inspect this Amendment

The amendment is available for public inspection, free of charge, during office hours at the following places:

[Insert Council's details]

The amendment can also be inspected free of charge at the Department of Transport, Planning, and Local Infrastructure website at <u>www.dtpli.vic.gov.au/publicinspection</u>.

[The following sections of the Explanatory Report are only applicable to exhibited amendments and should be removed at the adoption stage

Submissions

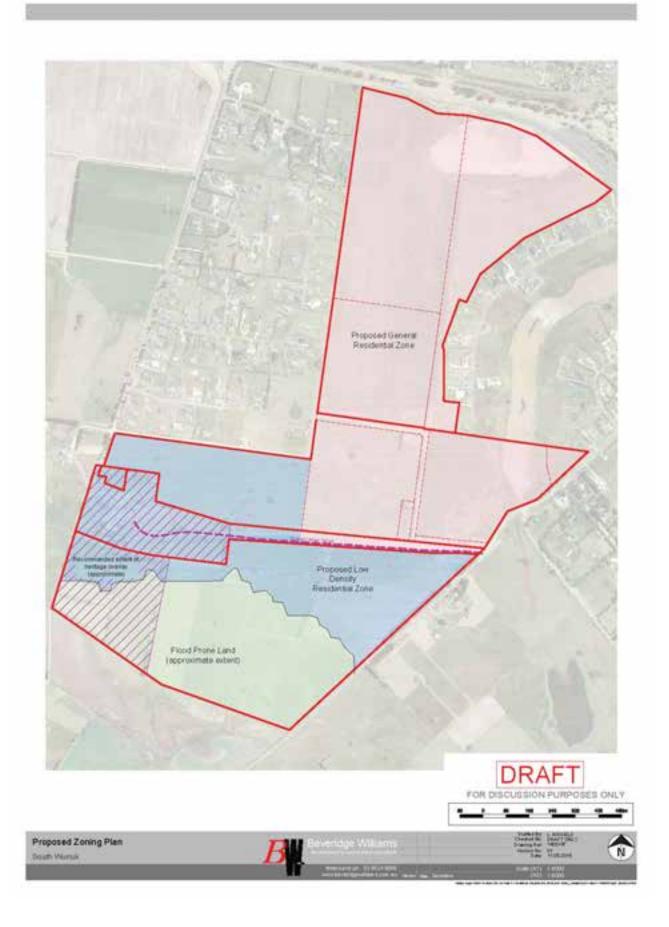
Any person who may be affected by the amendment may make a submission to the planning authority. Submissions about the amendment must be received by [insert submissions due date].

A submission must be sent to: [insert Council's address]

Panel hearing dates

In accordance with clause 4(2) of Ministerial Direction No.15 the following panel hearing dates have been set for this amendment:

- directions hearing: [insert directions hearing date]
- panel hearing: [insert panel hearing date]]





DOCUMENT CONTROL DATA

\boldsymbol{B}	Beveridge Williams Sale Office	Title	Land Supply & Demand Analysis for Sale and Wurruk	
	45 Macalister Street	Author	cc	
	Sale Vic 3850	Checked	NS	
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	Fax: (03) 5144 6591		prevailing and predicted demand fo the Sale & Wurruk area	
	www.beveridgewilliams.com.au		the sale of Wolldk area	
		1		

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Client:

Stephen & Martin Bailey, David & Barry Hollonds and Daryl Page

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1 KEY FINDINGS

1.1 KEY FINDING

In April 2016, the total estimated land supply is 568 residential lots across the Sale and Wurruk area, as shown in **Table 1**.

	Amount of Vacant lots	Broadhectare lot capacity	Total
General Residential Zone	114	286	400
Low Density Residential Zone	32	136	160
Total	146	422	\$68

Table 1: Estimated residential land supply for Sale and Wurruk in April 2016

1.2 DEMAND FOR RESIDENTIAL LAND

Based on the two demand scenarios analysed, Gippsland Regional Growth Plan and Building Approvals, future dwelling requirements could range from 60 to 102 dwellings per annum. This equates to 1,500 to 2,550 new dwellings over the 25 year period from 2016 to 2011 (Table 2).

	Gippsland Regional Growth Plan Estimates (Sale)	Building Approvals (based on 2005-2015)	Average
Dwelling Demand per annum (2016-2041)	60	92.4	76.2
Projected Dwelling Demand (2016-2041)	1500	2310	1905

Table 2: Estimated residential land supply for Sale and Wurruk in April 2015

1.3 ESTIMATED YEARS OF RESIDENTIAL LAND SUPPLY

Table 3 shows the estimated number of years of residential land supply. Using the average of the two demand projections, the residential land supply is estimated at 7.5 years.

	Lots per annum	Years Supply
Gippsland Regional Growth Plan	60	9.5
Building approvals in Sale & Wurruk	92.4	6.2
Average	76.2	7.5

Table 3: Estimated years of residential land supply for Sale and Wurruk:



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1.4 LAND SUPPLY AND DEMAND - A COMPARISON WITH 2010

1.4.1 Land Supply

Upon its publication in August 2010, the Sale, Wurruk & Longford Structure Plan estimated that the residential land supply in Sale and Wurruk was 560 lots, i.e. 330 Residential 1 Zoned lots in Sale and 210 Low Density Residential Lots in Wurruk. However, it was acknowledged that rezoning in North Sale that happened around the same time as the Structure Plan was released had added capacity for an additional 360 new lots to be created, providing a figure of 900 lots overall. The analysis carried out as part of this assessment has revealed that there is presently capacity to create 568 residential lots, which represents an overall decline in land supply of 332 lots from August, 2010 (Table 4).

1.4.2 Demand for residential land

Based upon historical data, the estimated average demand per annum for new dwellings between 2016 and 2041 is anticipated to be 76.2, down 28.36 lots per annum from 2010 which estimated 104.56 new dwellings per annum would be required based purely upon building approval figures from 2005-2010. The updated figure is based upon an average between the building approvals between 2005-2015, i.e. 92.4 new dwellings per annum, and the demand projections in the Gippsland Regional Growth Plan, which predicts there will need to be an extra 1,500 new dwellings constructed in Sale by 2041, or 60 dwellings per annum over the next 25 years (See **Table 3**).

Given construction on General Residential Zone lots has kept a very consistent pattern of around 70 dwellings per year throughout 2005-2015, one of the key factors in the drop in required dwellings could quite likely be as a result of the exhaustion of supply of Low Density Residential Zoned land in Sale and, more recently, in Wurruk, where only a handful of vacant lots are now available.

1.4.3 Estimated years of residential land supply

The average number of years of existing supply in Sale and Wurruk (7.5 years) represents a decrease of 1.1 year of residential land supply relative to August 2010 when the Structure Plan was released.

	2010	2016	Decline/Increase from 2010
Estimated Residential Land Supply	900	568	-332
Estimated Dwelling Demand per annum 2016-2041	194.56	76.2	-20,36
Estimated Dwelling Demand 2016-2041 (Average)	2,614	1,905	-609
Years of Supply (Average)	0.6	7.5	-1.1

Table 4: A comparison of dwelling supply and demand - 2010 to 2016

This decrease in supply is due in part to the fact that residentially zoned land along the Sale-Maffra Road and in North Sale has been developed since the Structure Plan was finalised and no further land across Sale and Wurruk has been rezoned to General or Low Density Residential since.

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INTRODUCTION 2

This report has been prepared to provide an assessment of residential land supply across Sale and Wurruk, as at April 2016.

The report builds on the Sale, Wurnuk and Longford Structure Plan (August 2010) and provides updated information about the availability of residential land, projected demand and the estimated number of years of supply that current supply represents. This report has been prepared by Beveridge Williams & Co. Pty. Ltd. to provide background detail for a planning scheme amendment seeking the rezoning of a group of properties in Wurruk, which will henceforth be described as the 'subject sites'.

2.1 Methodology

Land supply in Sale and Wurnuk was considered to be made up of vacant lots in zones appropriate for residential development. In Sale and Wurnuk this includes the General Residential Zone and Low Density Residential Zone.

information about vacant lots and broadhectare land supply across the study area was captured through zoning maps and in consultation with Council's strategic planning team. A map showing both vacant lots and broadhectare supply in Sale and Wurruk is provided at Appendix A.

Broadhectare land was defined as all lots in the General Residential Zone greater than 5,000m² and all lots in the Low Density Residential Zone greater than one hectare.

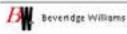
The lot capacity of broadhectare land was estimated using any available indicative information, such as endorsed development plans and proposed subdivision plans. Where this information was not available, an average lot size of 700m² was calculated by using average sizes across the Woondella, Glebe, Glenhaven and Cobains Estates elsewhere within Sale's urban growth areas.

Three sources of information were used to predict residential growth/demand for new dwellings over the 15 year period from 2011 to 2026. These were:

- The Gippsland Regional Growth Plan; and
- Building approvals for new dwellings in Sale and Wurruk, as listed in the Sale, Wurruk and
- Longford Structure Plan for the 5 year period between (January, 2005 to March, 2010); and, Victorian Building Association Data for the period 2009-2010.

2.2 Findings

This report has found that that there was, on average, 7.2 years of land supply across Sale and Wurruk (See Table 4).



3 POLICY CONTEXT

The State Planning Policy Framework

The following State Planning Policies within the Wellington Planning Scheme are pertinent to issues of land supply and rezoning of land in Worruk for residential purposes:

Clause 11.02 (Urban Growth)

Response:

This Clauses emphasises the need for all municipal Councils to assess and monitor residential land supply across their cities, suburbs and townships and ensure that it does not begin to influence the property market in a negative fashion, either through an undersupply or oversupply of developable land. To achieve this, the State Government recommends that where growth is possible, the land supply across a city, suburb or township should remain at least 15 years, based upon the most up to date demand figures.

The proposed rezoning of land across Wurruk is predicted to elevate land supply across the Sale/Wurruk area to around 16.2 years based upon current figures, but should be around 15 years once the likely time lag between authorisation and the actual rezoning occurring, i.e. 18 months, is taken into account.

Hence, the conclusions reached in this analysis accord with the land supply expectations set out in this Clause.

Clause12.01 (Biodiversity)

Response:

This Clause emphasises the need for all municipal Councils to protect significant habitats and flora communities within threatened and endangered ecological vegetation classes to foster broad biodiversity across the State. The calculation of available land factored into the land supply analysis for the Wurruk Growth area excludes any areas within the site that will require protection due to their threatened or endangered nature.

Hence, the density projections for the land being examined in this report present an accurate portrayal of supply once the provisions of this clause are taken into account.

Clause 13.02 (Floodplains)

Response:

This Clause discourages the consideration of flood prone land for development. The calculation of land supply provided by the rezoning of land across Wurruk excludes flood prone land.

Hence, the projections in this report accord with the objective and strategies of this Gause.



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Clause 13.05 (Bushfire)

Response:

This Clause discourages the consideration of land that is prone to bushfire risk for development. The area in Wurruk being considered in this report is not affected in a Bushfire Management Overlay and is not understood to be under consideration for inclusion by the Country Fire Authority due to its generally cleared nature and extensive setbacks from any forested land.

Nonetheless, it is in an area that could potentially be susceptible to impacts from a bushfire elsewhere and, hence, like the rest of Wurruk, is considered to be in a "Bushfire Prone area" under the Building Code of Australia. As such, all buildings constructed on the site will need to consider what risks may arise from a bushfire elsewhere and how they can best be managed. To that end, the consideration of road structure and the accessibility of the various estates to the CFA appliances has been taken into account in the density projections used.

Hence, the figures used in this study are accurate in light of the provisions of this Clause.

Clause 15.01 (Urban Environment)

Response:

This Clause encourages the use of best practice urban design in consideration of the optimal layout for a residential subdivision. Consideration must be given to the context of the site and how best to make any new development blend in with what surrounds it whilst also overcoming existing shortfalls in community infrastructure, where appropriate. It also suggests that residential development should be designed with a focus on allowing future residents to pursue healthy, active lifestyles and gain access to internal and external facilities on foot or bicycle.

The calculation of likely yield from a rezoning in Wurruk factors in the indusion of a minimum 5 hectare recreation reserve and neighbourhood community centre, with a network of walk cycle paths around any potential development.

Hence, the land supply scenario considered in this report is in accordance with this Clause.

Clause 15.02 (Sustainable Development)

Response:

This Clause encourages the use of best practice urban and architectural design to achieve the optimal outcome for energy efficiency and easy non-motorised vehicle transport in a residential development. The density factors used in the calculation for the rezoning in Wurruk incorporate these outcomes.

Hence, the land supply figures reached in this report reflect the intent of this Clause.

Clause 15.03 (Heritage)

Response:

This Clause emphasises the need for development to only occur in circumstances where the historically relevant vestiges of pre and post European Settlement activity are either preserved or recorded, as appropriate. The area considered for recording has examples of



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relevant post-European settlement activity, i.e. the Kilmany Park mansion, and may bear evidence of pre-European settlement activity, insofar as it has an area of sensitivity to Aboriginal Cultural Heritage in its southeast corner. The density figures arrived at for the overall development reflect the necessary actions to protect the post-European settlement activity, while the area with potential pre-European settlement activity is mostly excluded from the development calculation.

Hence, the land supply figures reached in this report reflect the intent of this Clause.

Clause 16.01 (Residential Development)

Response:

This Clause encourages consideration of issues relating to the integration of housing with the market demand, the appropriate location of new housing, diversity of housing choice and housing affordability in any new residential development. The land supply figures used in this report are based upon an outcome whereby these matters are incorporated in any new development layout through the use of a variety of lot sizes and the creation of good walk/cycle and road linkages back to Sale's central activity district from all lots within any new estate.

Hence, the conclusions reached in this report are accurate in light of the objectives and strategies within this Clause.

Clause 18.01 (Integrated Transport)

Response:

This Clause encourages the integration of various transport modes with land use outcomes in order to provide multiple safe and efficient options for travelling within residential estates and to key external sites. The figures used in this analysis take into account the provision of transport options that will achieve these objectives.

Hence, the conclusions reached in this report are accurate in light of the objectives and strategies within this Clause.

Clause 18.02 (Movement Networks)

Response:

This Clause promotes sustainable personal transport, with an emphasis on providing future residents of any residential estate with the option of walking, cycling, driving or taking public transport to and from all key destinations within a reasonable distance from the development site. These outcomes have been incorporated in the land supply calculations set out in this analysis.

Hence, the conclusions reached in this report are accurate in light of the objectives and strategies within this Clause.



Clause 19.02 (Community Infrastructure)

Response:

This Clause promotes the integration of health, education and cultural facilities with new development. The density calculation for the area being considered for recorning excludes a site that will be set aside of a community facility that can provide some of these services, with the balance available across the existing Wurruk Primary School on the opposite side of the Princes Highway, or within Sale, both of which will be easily accessible via car, cycle or on foot.

Hence, the conclusions reached in this report are accurate in light of the objectives and strategies within this Clause.

Clause 19.03 (Development Infrastructure).

Response:

This Clause promotes the timely provision of water supply, sewerage, telecommunications and drainage infrastructure. The density outcomes considered in this analysis take the provision of these services of all commandable portions of the development area into account.

Hence, the conclusions reached in this report are accurate in light of the objectives and strategies within this Clause.

Local Planning Policy Framework

The following Local Planning Policies within the Wellington Planning Scheme are pertinent to issues of land supply and rezoning of land in Wurruk for residential purposes:

Clause 21.02-1 (Settlement and Housing)

Response:

The land that is being considered for rezoning is within the designated Wurruk township boundary under the Structure Plan and is either fully or partially flanked by existing residential development on all sides. Furthermore, the majority of the land has the capacity to be served by a full suite of reticulated services.

Hence, this Clause is supportive of the rezoning of the entirety of the land in accordance with the Structure Plan and the supply figures will not be impacted by its objectives.

Clause 21.02-3 (Environmental Risks)

Response:

The southern and eastern extremities of the land are recognized by the West Gippsland Catchment Management Authority as being subject to flooding in a 1 in 100-year rainfall event. This land supply analysis does not include these areas within its assessment of the available supply.

Hence, the constraints flagged by this clause have been adequately considered as part this analysis.



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Clause 21.02-5 (Built Environment and Heritage)

Response:

Consideration is given in the predicted lot yield to the need to restrict development around the Kilmany Park Homestead, in line with the recommendations of the Heritage Study carried out by Trethowan.

Hence, the land supply figures and general analysis accords with the objectives of this clause.

Clause 21.02-6 (Economic Development)

Response:

This Clause emphasises the need for Sale to continue to fulfil its role as the primary service centre within the municipality and this will not be able to achieved without the capacity for its population to continue growing in line with the expected demand. So, the need to retain an adequate, i.e. 15 year, land supply is supported by this clause.

Hence, an expectation that the demand figures used in this report will continue to be pertinent is inherent in this Clause.

Clause 21.02-7 (Transport)

Response:

The Princes Highway has recently been duplicated adjacent to the northern portion of the Wurruk rezoning site and at the intersection with Settlement Road, with roundabouts created in anticipation of future residential growth in this corridor.

Hence, the rezoning of land in Wurruk can be achieved in line with the objective of this Clause.

Clause 21.02-8 (Infrastructure)

Response:

A gravity-fed reticulated sewerage main is already available along the southern side of the Princes Highway, with reticulated natural gas, water and electricity already connected across the rezoning area to existing residences to the west. Hence, the area that is being considered for rezoning can be fully serviced for an economical price.

Hence, the potential servicing delays foreshadowed in this clause will not constraint the provision of land supply across the study area.

Clause 21.03-1 (Vision)

Response:

This Clause encourages ongoing population growth within designated growth corridors across the Shire, of which Wurruk is a major one and supports the creation of land supply that delivers a safe, well-serviced and generally liveable environment.

Hence, as the land supply figures used in this report, are geared to achieving these ends in Wurruk, they are supported by this Clause.



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Clause 21.03-2 (Strategic Framework Land Use Plan)

Response:

The land supply figures used in this report are based upon the projections and expectations expressed in the Sale, Wurruk & Longford Structure Plan, which is referenced in this Clause.

Clause 21.04-2 (Settlement Objectives)

Response:

All land considered in this analysis of land supply is within the township boundaries designated through the Sale, Wurruk & Longford Structure Plan mapping and is able to connect with the existing vehicular and pedestrian/cycling network and reticulated services.

Hence, it will be able to achieve the supply figures that are forecast while remaining in compliance with the objectives of this Clause.

Clause 21.04-3 (Settlement Strategies)

Response:

The supply figures outlined in this analysis predict that there is presently 7.5 years of supply available. So, consideration of rezoning further land to return the supply to between 10-15 years is necessary to meet the strategies set out in this Clause. Moreover, the Clause encourages the use of the Sale, Wurruk & Longford Structure Plan in determining supply and demand figures, as has also been done. The yield figures are based upon a density that will allow the creation of estates that:

- are within the designated township boundaries;
- encourage healthy lifestyles;
- > do not include inappropriate rural lifestyle development;
- will not detrimentally affect high quality agricultural land or significant environmental assets;
- encourages diversity of housing choice;
- > avoids creating new lots on flood-prone land;
- is sympathetic to the heritage values of Kilmany Park Estate;
- will provide a positive impression when viewed from the Princes Highway;
- are able to provide appropriate community infrastructure to support active lifestyles through the integration of walking/cycling facilities to key sites;
- can accommodate appropriate effluent and stormwater discharge systems;
- can accommodate a network of public open spaces for recreation and other municipal purposes; and,
- can utilise existing urban infrastructure.



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Clause 21.05-1 (Vision)

Response:

The land supply figures used in this report are based upon the densities that will ensue from development of the land in line with the mapping in the Sale, Wurruk and Longford Structure Plan, while taking into account the following principles:

- Creation of high quality public open spaces;
- Formation of a sustainable community that integrates with existing adjoining developments;
- Easy accessibility by car, cycle, or on foot;
- Creation of inclusive neighbourhoods; and,
- Protection of culturally significant features, e.g. Kilmany Park mansion.
- Clause 21.05-2 (Township Roles)

Response:

The figures used in the calculation of potential supply are based upon the creation of estates that will create a diversity of housing choice with new community facilities within a new 5hectare recreation reserve.

This outcome is foreshadowed in this Clause and, hence, the figures can be relied upon.

Clause 21.05-3 (Regional City)

Response:

The figures in this analysis are based upon the rezoning of land for residential use in Wurruk as suggested in the Sale, Wurruk & Longford Structure Plan and can be delivered in a timely and sequential manner.

Hence, the findings in this report remain in accordance with the objective and strategies in this clause.

Clause 21.05-4 (Housing Choice and Diversity)

Response:

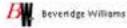
The supply figures used in this report are based upon the creation of a diverse range of lot sizes across residential development adjacent to the Princes Highway and south of Arnup Road in Wurruk.

Hence, they accord with the strategy and objectives outlined in this clause.

Clause 21.05-5 (Residential Development)

Response:

The land supply figures are based upon a development density in Wurruk that can incorporate walkable neighbourhoods, bus routes, water sensitive urban design, energy



efficiency/sustainability measures, staged reticulated infrastructure delivery, access to community facilities, a range of lot sizes and appropriate sequencing.

Hence, the figures arrived at accord with the objective and strategies of this clause.

Clause 21.05-7 (Design Excellence)

Response:

The figures used in this report factor in a development density across Wurruk that will allow the protection of the Kilmany Park mansion through retention of appropriate sightlines to it, high quality open space and an appropriate relationship to adjoining low density residential estates.

Hence, the conclusions accord with the objective and strategies of this clause.

Clause 21.05-9 (Movement Network)

Response:

The figures used in this report accommodate the creation of an integrated movement network in a legislative-compliant manner that can cater for vehicular, pedestrian and cyclist access safe and efficient manner and enhance the connection between Wurruk and Sale's central activity district.

Hence, the supply figures used in this document meet the requirements set out in this clause and can be relied upon.

Clause 21.05-11 (Sensitive Assets)

Response:

The supply figures used to predict yields from the rezoning of the Wurruk area factor in the need to retain significant native vegetation and waterways, whilst incorporating water sensitive urban design methods.

Hence, the supply figures used in this document meet the requirements set out in this clause and can be relied upon:

Clause 21.05-12 (Implementation)

Response:

The density calculation method used in this report takes into account the need to create a road structure that meets CFA requirements, walking/cycling routes that connect all residents with recreation reserves, drainage reserves that meet best practice guidelines and reticulated infrastructure across estates with lots ranging from 600m² to above 4,000m². Moreover, consideration is given to the need to protect the significance of Kilmany Park Mansion and its immediate surrounds and the comments and feedback from VicRoads, Gippsland Water and the West Gippsland Catchment Management Authority.

Hence, the supply figures that have been relied upon are sensitive to the requirements set out in the objective and strategies of this clause.



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Clause 21.13-2 (Blodiversity)

Response:

The density projected for the Wurruk development site incorporates the exclusion of sensitive environmental assets, such as indigenous vegetation and waterbodies and watercourses.

Hence, the figures arrived at in this report can be relied upon for an accurate analysis of land supply as a result of a rezoning in Wurruk.

Clause 21.14-3 (Flooding)

Response:

The areas that have been deemed prone to flooding by the West Gippsland Catchment Management Authority, have been excluded in the calculations of developable land across the Wurruk rezoning site.

Hence, the assumptions in the land supply analysis can be considered accurate in light of the objective and strategies in this Clause.

Clause 21.16-1 (Built Environment)

Response:

The assumptions made about the density that will be achievable across the Wurruk development have taken into account best practice theories about the creation of sustainable residential estates, such as the creation of a safe walk/cycle movement network, the incorporation of useable public upon spaces and the need to orient housing to take best advantage of solar rays.

Hence, the supply figures anticipated for the Wurruk development are sensitive to the objectives and strategies outlined in this clause.

Clause 21.16-2 (Heritage)

Response:

The need to protect the Kilmany Park mansion through the limitation of development around it has been factored into the calculation of density across that part of Wurruk.

Hence, the land supply figures used in this report are accurate as regards the requirements that will be imposed on any development through the objective and strategies of this Clause.

Clause 21.18-2 (Road Infrastructure)

Response:

The development area within Wurruk enjoys access to an excellent road network externally and the density figures that are used in this study anticipate the creation of an appropriately scaled and aligned road network within the site.

Hence, the land supply figures used in this report provide an accurate portrayal of the likely outcomes from the rezoning of the land in Wurruk.



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Clause 21.18-5 (Walking and cycling)

Response:

The land supply figures used in this report take into account the need for an integrated and comprehensive walk/cycle network to be created across the Wurruk development area.

Hence, the outcomes foreshadowed in this investigation can be relied upon in light of the objectives and strategies set out in this Clause.

Clause 21.19-1 (Physical Infrastructure)

Response:

The Wurruk development site considered in this analysis is surrounded by low density residential development on both sides; so, its development could not be considered as leapfrogging existing infrastructure.

Hence, the supply figures in this study are considered accurate as regards the objective and strategies of this clause.

Clause 21.19-2 (Community Infrastructure)

Response:

The density anticipated from the Wurruk development factors in the need for relevant items of community infrastructure to be created as part of the overall development.

Hence, the supply figures used in this report can be relied upon in light of the objective and strategies of this clause.

Clause 22.03 (Heritage) ٠

Response:

The need to protect the Kilmany Park mansion through the limitation of development around it has been factored into the calculation of density across that part of Wurruk.

Hence, the land supply figures used in this report are accurate as regards the requirements that will be imposed on any development through the objective and strategies of this Clause.



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4 RESIDENTIAL LAND SUPPLY

Residential land supply was calculated by combining existing vacant lots and the lot capacity of broadhectare land in Planning Zones appropriate for residential development across Wurruk and Sale. This includes the General Residential Zone and the Low Density Residential Zone within Sale and Wurruk's settlement boundaries, as defined in **Clause 21.05**.

4.1 Vacant Lots

Information about existing vacant lots, as at April 2016, was captured using real estate websites (e.g. realestate.com.au), site inspection and a review of aerial photography in conjunction with zoning maps.

Only lots which met the following criteria were captured:

- All available vacant lots in the General Residential Zone and Low Density Residential Zone;
- All lots in an adopted settlement boundary.

For illustrative purposes, Figure 1 shows the location of the four residential estates that are currently under construction or retain vacant lots across Sale and Wurruk in relation to the subject sites.



Figure 1: Aerial view of Sale showing the location of the subject sites in relation to the residential estates currently under development across Sale

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	Available Vacant GRZ Lots
Cobains Estate (Stage 1)	51
Glebe Estate (Rage 4)	22
Glenhaven Estate (Stage 2)	12
Infill Sites (Sale)	26
Infill Sites (Wurruk)	3
Total	114

Table 5: Vacant Lots in Existing Residential Zoned Estates or infill sites across Sale & Wurruk

	Available Vacant LDRZ Lots
The Ridge Estate	16
Sovereign Estate	2
Infill Sites (Sale)	9
Infill Sites (Wurruk)	5
Total:	32

Table 6: Va cant Lots in Existing Low Density Residential Zoned Estates or infill sites across Sale & Wurruk

4.2 Broadhectare Lots

Broadhectare lots were identified based on the LandVic website. Only lots that met the following criteria were captured:

- All lots in the General Residential Zone that are greater than 5,000m² and within the Sale and Wurruk township boundaries as defined in the mapping at Clause 21.05; and,
- Lots in the Low Density Residential Zone that are greater than 10,000 m² (one hectare) and fall
 within the Sale and Wurruk township boundaries as defined in the mapping at Clause 21.05.

4.3 Broadhectare Lot Capacity

Broadhectare lot capacity was calculated using the following formulas:

For each broadhectare lot, where there was a known endorsed development plan (showing
proposed subdivision layout), incorporated plan, provisional plan or subdivision permit, such
plans were used to estimate the lot capacity.

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Where this information was not available, the following methodology was used:

- Ascertain the area of each broadhectare lot;
- Deduct any part of the lot which is encumbered (for example, by an easement) to determine ٠ the initial lot capacity;
- Deduct 25% of the remaining unencumbered area for open space (5%) and internal access ٠ roads (20%) to result in a net residential developable area;
- Apply an average density of 9 lots per gross hectare for General Residential Zoned Land, and 1.8 ٠ lots per gross hectare for Low Density Residential Zoned Land to determine the lot capacity of each broadhectare lot; then,
- Round down to the whole number.

	Broadhectare GR2 Lots
Cobains Estate	120
Glenhaven Estate	56
Glebe Estate	43
Woondelia Estate	47
Infill Sites (Sale & Wurruk)	20
Total	286

Table 7: Broadhectare General Residential Zoned Lots and Low Density Residential Zoned Lots in Sale & Wurruk

	Broadhectare LDR2 Lots
Park Ridge Estate	119
'White's' Land, Settlement Road	17
Total	136

Table 8: Broadhectare Low Density Residential Zoned Lots in Sale & Wurruk



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4.4 Existing Land Supply (Vacant and Broadhectare)

Based on the methods outlined above, the number of lots available for residential land supply has been provided at Table 9, below.

Estimated supply is 568 lots, including 146 existing vacant lots and 422 lots in broadhectare lot capacity.

	Vacant land	Broadhectare lot capacity	Total
General Residential Zone	114	286	400
Low Density Residential Zone	12	196	168
Tat;	146	422	568

Table 9: Estimated land supply in Sale & Wurruk (April 2016)



5 DEMAND FOR HOUSING

5.1 Components of Housing Demand

In locations such as Sale and Wurruk, demand for housing is driven by two main factors:

- Gradual growth in permanent population due to the ageing of Australia's population, decreased household sizes, international immigration and general depopulation of traditional farming areas into urban centres; and
- Growth in key local industries, such as resource exploitation (Oil and Natural Gas refinement at Longford and offshore in Bass Strait), Defence (expansion of the RAAF Base – East Sale), Corrections (expansion of Fulham Prison), Agriculture (Ongoing Intensification of irrigated dairying and vegetable growing and usual activity in agroforestry and dryland grazing).

Figures 2 & 3, which includes excerpts from a newspaper article in the Gippsland Times dated Tuesday, 25" of December, 2015, provides evidence of the economic impetus that Sale is presently experiencing and provides some background to the factors referenced above.



Figure 2: Excerpt from "Million dollar boom time" article, Page 1 of the Gippsland Times, 29/12/2015



Million dollar boom time

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Figure 3: Excerpt from "Million dollar boom time "article, Page 3 of the Gippsland Times, 29/12/2015

These factors will influence the number of dwellings that are needed within the municipality over time, and therefore the number of lots that will be required to support this growth.

This section provides a review of these growth factors, augmented by analysis of historical data such as dwelling approvals and property values. This additional analysis provides further evidence relating to the future demand for dwellings in the municipality.

5.2 The Gippsland Regional Growth Plan

Clause 11.02-1 of the SPFF states that planning must give consideration to the official State government population projections (currently Gippsland Regional Growth Plan). This document makes projections about how key towns across the Gippsland region will grow over the coming 25 years to 2041.

The Gippsland Regional Growth Plan was released in 2014 and is the most up to date set of projections.

The plan estimates that Sale will require an additional 1,500 dwellings by 2041.

5.3 Building Approvals

Historical building approval data for residential development has been analysed to show historical trends in new housing development and activity that will indicate future likely rates. Building approvals at the municipal level provide a useful alternative or comparison to broad population projections when estimating future housing demand.

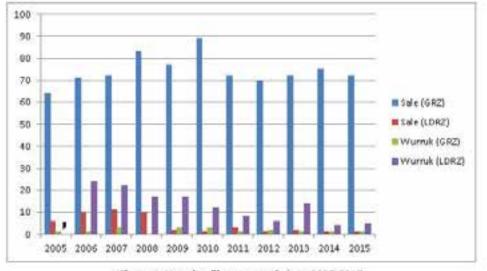


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	Number of Building permits issued			
Year	Sale		Wurrul;	
	GRZ	LDRZ	68Z	LORZ
2005	64	6.	1	7
2006	71	10	1	24
2007	72	11	3	22
2008	83	10	0	17
2009	77	2	3	17
2010	89	1	3	12
2011	72	3	1	8
2012	70	1	2	6
2013	72	2	1	14
2014	75	1	1	4
2015	72	1	1	5
Totals	817	48	14	136
Annual Averages	74.3	4.4	1,3	12.4

Table 10 provides the total building approvals for new dwellings across Sale and Wurruk over the period 2005-2015, while Figure 4 represents this data in a column graph format to more clearly demonstrate the trends over the study period.

Table 10: New dwelling approvals Data 2005-2015







Building approvals data from 2005-2015 shows that construction of new dwellings in the General Residential Zone has remained fairly static at around 70 dwellings per year, while there was a generally consistent decrease in new dwelling construction in the Low Density Residential Zone. This decline could, in part, be explained by a tightening of the more attractive supply in this market.

For example, of the 32 vacant lots recognised in this zone:

- · 4 of the infill lots within Wurruk directly abut the Princes Highway but have not yet been discounted to account for this amenity impact;
- 9 of the 16 vacant lots at Park Ridge have never been offered for sale; and,
- 7 of the infill lots within Sale have only just come onto the market.

This leaves just 12 Low Density Residential Lots across Sale and Wurruk that have been for sale for more than 1 to 2 months and are not hampered by potential amenity impacts.

5.4 Estimated Demand for Housing

Table 11 shows the various projected demand rates compiled from the Gippsland Regional Growth Plan and Building Approvals.

Based on the various rates presented, future dwelling requirements could range from 60 to 92.4 per annum, representing an average of 76.2 new dwellings per annum.

	Gippsland Regional Growth Plan	Building Approvals	Average
Estimated Owelling Demand per annum 2016-2041	60	92.4	76.2
Estimated Dwelling Demand 2016- 2041 (Average)	1500	2,310	1,905

Table 11: Housing demand indicators summary



6 ESTIMATED YEARS OF SUPPLY

6.1 Estimate Years of Land Supply

Based on the demand indicators and supply assessment, the number of years of demand that the existing lot supply will meet can be estimated. **Table 12** shows the calculation of supply in terms of years.

Using the average of the two demand scenarios, the residential land supply in Sale and Wurruk as at April 2016 is estimated at 7.5 years, with a variance of between 6.2 and 9.5 years.

	Lots per annum	Years Supply
Gippsland Regional Growth Plan	60	9.5
Building approvals in Sale & Wurruk	92.4	6.2
Average	76.2	7.5

Table 12 Estimated Years Supply

6.2 Impacts of the rezoning the subject sites in Wurruk

As discussed previously, the Sale, Wurruk & Longford Structure Plan recommends rezoning of a set of contiguous parcels of land in Wurruk to the General and Low Density Residential.

Once this occurs, the land supply figure for Sale/Wurruk will alter in two ways:

- The 136 broadhectare Low Density Residential Zoned lots presently located in the Park Ridge Estate and White's land in Wurruk will become broadhectare General Residential Lots, so the 136 lots Low Density Residential Lots presently included in the overall supply figure will need to be subtracted; and,
- An additional 800 broadhectare lots will need to be added to the overall land supply figure to represent the likely yield from all land being rezoned across Wurruk.

The outcome of these alterations will be the addition of 664 lots to the overall land supply across Sale and Wurruk.

So, based upon the average demand figure of 76.2 dwellings per annum, the rezoning in Wurruk outlined in the Structure Plan would add 8.7 years land supply and bring the overall figure to 16.2 years.

However, given the lead time of around 1-2 years before the land is likely to be rezoned, the supply will be less than 15 years by the time the lots can be considered to be available as broadhectare land supply.

Another factor in the consideration of the impacts of rezoning the subject sites is that they will be developed by five syndicates that each own separate parcels within the development area and will also provide a mixture of different densities:



- General residential zoned lots of between 600m² and 000m², which will be similar to those on offer in the existing estate across North Sale;
- Low Density Residential Zoned lots with area of at least 2,000m² with connection to all reticulated services, which will be largely unique across the Sale/Wurruk area; and,
- Low Density Residential Zoned lots with area of at least 4,000m², with connection to all reticulated services bar sewer, which will be similar to lots in The Ridge and Sovereign Estates in Wurruk.

At present rates, there is every likelihood that the Glebe, Woondella, and Glenhaven Estates will have fully developed and sold all of their remaining lots by 2019, with only the Cobains Estate likely to still providing significant supply by the time the Wurruk developments are offering lots to the market.

Given the spread of ownership and road access arrangements across the rezoning sites in Wurruk, development will, by necessity, commence across three fronts:

- 600m²·1,000m² General Residential lots adjacent to the Princes Highway in the north; L
- 2,000m* Low Density Residential lots adjacent to Reid Drive/Amup Road in the west; Π. and,
- 4,000 m² Low Density Residential lots adjacent to Settlement Road in the southeast. 10.

Lots in Wurruk's northern development front will commence competition for market share with the remaining stages of the Cobains Estate in around 2018-9, while the western and southeastern development fronts will not have any significant direct market competitor when they start offering lots to the market at around the same time, apart perhaps from each other.

By the time the Cobains Estate has been completely sold out, which should occur in around 2020-2021, market competition for 600m2 - 1,000m2 lots in Wurruk's northern development front will be coming from the central parts of the Wurruk development as road access is brought across from Reid Drive and up from Settlement Road into two individually owned, General Residential Zoned parcels in the heart of development area.

The speed of development across the Wurruk development sites will then depend on market demand, but it is submitted that the risk of land banking in order to starve supply and drive up prices over the next 15 years is guite low due to the capacity for competition to be sustained across the Wurruk development area itself.

6.3 Impacts of residential rezoning in North Sale

Apart from the "western growth area" in the Sale, Wurruk & Longford Structure Plan, i.e. Wurruk, the report also recommends that an investigation of the potential for residential development be undertaken across a "northern growth area", which would be comprised of land that is presently located in the Farming Zone on the north side of Sale. This area is predicted in the Structure Plan to have the potential to yield 1,500 lots, although subsequent development approvals will have reduced that figure, i.e. the new Sale Specialist School on the west side of the Princes Highway and the Sale Greyhound Gub redevelopment on the north side of the Sale-



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Maffra Road will occupy land within the "northern growth area" that was anticipated as being suitable to provide for lots.

Given the land earmarked for rezoning across Wurruk is owned by 5 separate and competing syndicates, Council will not need to rezone alternative land for residential development in North Sale to maintain a competitive market. So, further rezoning across the northern growth area can be based purely upon an analysis of supply and demand.

There are roundabout works presently underway at the intersection of Cobains Road and the Princes Highway; so, it would appear that the most logical place for the next round of residential recording to occur after Wurruk would be on the land to the east of the Cobains Estate, i.e. the 43 hectares of land along both sides of Chinaman's Lane. It is expected that release of this supply, which would yield around 400 residential lots, will become necessary once the Cobains Estate and the Glenhaven Estates are complete and the 8.7-year supply that Wurruk offers has been depleted to a 5-year supply or less, i.e. sometime between 2025 and 2030. A rezoning of this land would boost supply across Sale to back over 10 years, which will be ample to ensure that the building market retains confidence that demand will continue to be met over the medium to long term and prices do not start to escalate beyond the capacity of prospective purchasers.

it is noted that Council has recently undertaken to prepare an outline development plan for the "northern growth area" in order to establish a framework for how that part of Sale may be able to develop, when appropriate. However, this strategic work has revealed physical constraints that will need to be overcome prior to any serious consideration of rezoning, i.e. difficulties with stormwater drainage due to the general flatness of the area, the physical barriers created by the Melbourne-Bairnsdale Railway line and the Princes Highway, a shortfall of pedestrian footpaths connecting back to the central activity district in the area, the thinness of the Cobains Road reserve, the flightpath for aircraft associated with the East Sale RAAF Base and the large number of separately owned lots, etc. The capacity of the market to absorb the cost of overcoming these physical constraints will obviously also need to be considered prior to rezoning of any land within the northern growth area.



regarding the heritage issues

pursuant to the proposed

Review of the significance and event of hertage overlay HOG8 (kilmany Park) on the Schedule to the Hertage Overlay of the Wellington Planning Scheme

at

'Kilmany Park' 1613 Settlement Road, Wurruk



8 April 2016



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'Kilmany Park', 1613 Settlement Road, Wumuk

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Executive Summary

The 'Kilmany Park' estate at Wurnik, near Sale, was established in 1841 by squatter William Pearson. Systematically developed over time by both Pearson and his son, also William Pearson, the estate eventually covered an area of approximately 30,000 acres.

By the beginning of the 20^s century, at the centre of the estate, a homestead had been developed, which reflected the fortunes of both the estate and the Pearson family in its extent, facilities and architectural pretension. Incorporating buildings designed by one of regional Victoria's notable domestic architects, J.HW. Pettit, and Melbourne's pre-eminent commercial and domestic architects, Harry B. Gibbs and Finlay Architects, the homestead consisted of: a significant mansion house, formal gardens, various domestic outbuildings, a purpose-built racing horse stable and various estate buildings, inducing men's quarters. The social status of the Pearson family, as formidable members of the Victorian horse racing industry, generous public benefactors within the Gippsland region and a political dynasty seen through successive generations serving as state parliamentarians, resulted in 'Kilmany Park' serving as a social centre for both the Sale district and the upper echelors of Victorian state society during the Victorian and Edwardian periods, including royalty, state governors, Melbourne gentry and notable residents of the Sale district. The homestead and its setting, including gardens, grounds and surrounding landscape, are significant for these associations.

Following the significant reduction of the estate, due to compulsory acquisition by the Closer Settlement Board from the early 1910s, and the eventual disposal of the homestead and its remnant liand by the Pearson family in the 1920s, its acquisition as a Presbyterian Church boys' home in 1923 (the Klimany Park Farm Home for Boys) saw the construction of multiple buildings directly related with the operation of the home and the education, social welfare and training of the boys who lived there, indiuding: a school house (c. 1927), a sloyd room, designed by renowned Public Works Department Percy Everett (c. 1949); and a recreation centre (1962), presumably designed by notable Post-war era architect Kellh Reid. These buildings have contributory significance for their social and architectural significance; socially for the operations of the boys' home and architecturally for being good examples of their typologies in addition to their provenance as works of architects Percy Everett and, presumably, Keith Reid. A series of caretakers' and labourers' houses associated with the operation of 'Klimany Park' as the boys' home and as a dairy farm, by the Uniting Church of Australia (following the dosure of the boys' home and its transfer from the Presbyterian to Uniting Churches in c. 1977) are not significant.

In 1995, 'Kilmany Park' was placed on sale by the Uniting Church and purchased by surgeon Mr. Daryl Page on December 18th 1995.

In 2005, 'Kitmany Park' was identified as being of 'State' significance and was subsequently included on the Schedule to the Heritage Overlay (HO) to the Wellington Planning Scheme, for these associations, as HO68 – Kitmany Park. An English Oak in the gardens of the homestead was also included on the HO at this time for its associations with visiting royalty and the social status of 'Kitmany Park' during the Victorian and Edwardian periods.

In 2015, Mr. Daryl Page engaged Trethowan Architecture (Trethowan) to undertake a heritage assessment of the property. The heritage assessment was commissioned following the decision by Dr. Page to review the significance of the property and the ability for partial subdivision of out laying areas of the property. These actions have included the engagement of planners (Beveridge Williams Development and Environment Consultants) to advise on the potential for subdivision of these identified out laying areas of the property.

This Hentage Assessment reviews the significance of 'Kilmany Park' in its current form and assesses the perceived hentage impacts on the ascribed hentage significance of the property associated with its partial subdivision.

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2. Introduction

2.1 Background

This Heritage Assessment has been prepared for 'Kirnany Park', 1613 Settlement Road, Wurruk. The Assessment is applicable to all land, at the above address, covered by heritage overlay HO68 (Kirnany Park) only.

The Assessment has been commissioned by Dr. Daryl Page.

The author of the Assessment is Sam Nichols, in consultation with Bruce Trethowan.

2.2 Purpose of the Document

The purpose of this document is to assess the significance of all the land, outbuildings and landscape elements contained on the property 'Kilmany Park' – hereafter referred to as the property (refer Figure 1).

The intent of the document is to determine the potential for subdivision of specific areas of the property covered by the existing heritage overlay (HO68 – Kilmany Park) and the potential impact on the significance of the heritage overlay should subdivision occur.

2.3 Location

The property, 'Kimany Park', is located on Settlement Road, Wurruk, approximately 5km south-west of Sale (refer Figure 1). The property is jointly bordered, to the north, by neighbouring farmland and the eastern extent of the minor roadway Amup Road. To the north of Amup Road, established subdivisions of 1 acre allotments have been developed, the nearest bound by Mountview Drive to the north and east, Amup Road to the south and Reid Drive to the east. The subdivisions incorporate approximately nine streets (drives and courts). The farmland bordering the north boundary of the property is the subject of proposed rezoning and residential redevelopment that would form an extension of this existing subdivision. The remaining boundaries of the property are bordered by the major roadway Settlement Road (to the east) and neighbouring farmland to the south and west.

The property consists of the majority of those remaining vestiges (land and buildings) of the former 'Kilmany Park' estate and the later 'Kilmany Park Farm Home for Boys', including: the mansion house, outbuildings, gardens, parkland, surrounding paddocks and extant stands of European and indigenous trees. While the majority of buildings remain on the property, several buildings associated with both the homestead complex and the later boys' home have been subdivided onto separate titles and therefore exist as individual properties. These individual properties are Nos. 148A, 148B, 148C, 148D and 148F Reid Drive. A road easement, an extension of Reid Drive, extends through the northern section of the homestead complex. Refer to Section 5.2 (Built Form) of the report for descriptions of the subdivided properties.



Figure 1 Location of the property within the context of the Wuruk and Sale, the property is indicated. Source: Google Maps. 2010

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Diagram showing the 2008-09 subdivision of the northern extent of the homestead complex, sverlaid with a coloured key. The coloured key indicates the subdivided properties as: 148A Reid Drive (prix), 148B Reid Drive (purple), 148C Reid Drive (orange), 148D Reid Drive (red), 148F Reid Drive (green), and the road essement (ryan). Source: Land Vataria Figure 2

24 **Reference Documents**

The following documents have been referenced in the preparation of this Heritage Assessment.

- Heritage reports:
 - John Hawker Horticulturalist, Heritage Victoria, Kilmany Park, Sale Plant Survey, 20th March 1997. Anne Napier Architect, Proposed Subdivision 'Kilmany Park' Settlement Road, Wurruk, 0
 - Ő. 1ª December 2005.
 - David Helms Heritage Planning + Management, Kilmany Park Sale, Review of heritage significance, January 2009.
- Planning reports:
 - Beveridge Williams Development and Environment Consultants, South Wuruk Development Plan, July 2014 (Draft).

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Heritage Listings and Controls

3.1 Statutory Listings

3.1.1 Heritage Act 1995

3.1.1.1 Victorian Heritage Register

The property is not included as a heritage place on the Victorian Heritage Register (VHR), pursuant to the Heritage Act 1995.

Despite the subsequent reference to the property as being of 'State' significance (refer Section 3.1.2.3 Property Significance), is not included on the VHR.

3.1.2 Planning and Environment Act 1987

3.1.2.1 Wellington Planning Scheme

The property is identified as heritage overlay HO68 – Kilmany Park – on the Heritage Overlay Map of the Wellington Planning Scheme (refer Figure 3). The heritage overlay relates to the land and subject buildings of the property, including the subdivision discussed at Section 2.3 (Location). External paint and tree controls apply as a result of the Heritage Overlay, however, no internal controls are applicable.

In addition, HO68 includes the additional heritage overlay identified as HO151 (Oak Tree) on the Heritage Overlay Map. Tree controls are applicable as a result of the Heritage Overlay.

3.1.2.2 Heritage Studies

The property has been the subject of the previous heritage studies and reviews:

- Context Pty Ltd, Wellington Shire Heritage Study. Stage 1 Volume 1: Study methods and results, May 2005.
- Context Pty Ltd, Wellington Shire Heritage Study: Stage 1 Volume 2: Environmental History, May 2005.
- Anne Napier Architect, Proposed Subdivision "Kilmany Park" Settlement Road, Wurruk, 14 December 2005.
- David Heims Heritage Planning + Management, Kilmany Park Sale: Review of heritage significance. January 2009.

The Wellington Shire Heritage Study: Stage 1 (Context Pty Ltd, 2005) was initially undertaken in order to assess the significance of the property as part of its indusion on the Schedule to the Heritage Overlay of the Wellington Planning Scheme. This significance was assessed on the basis of historical research previously undertaken as part of the indusion of the property on the non-statutory registers of the National Trust of Australia (Victoria) and the now-anchived Register of the National Estate (refer Section 3.2 Non-Statutory Listings). The property was assessed as being of 'State' significance as a result of this assessment (refer Section 3.1.2.3 Property Significance).¹ The property was subsequently induded within heritage overlay HO68 as a result of its identified significance. The Statement of Significance developed for the property, as part of the assessment, was based on those developed by the National Trust of Australia (Victoria) and the Register of the National Estate. The English Oek tree (Quercus robur) was identified as having significance in light of its indusion on the National Trust of Australia Register of Significant Trees.²

In May, 2005, the property was re-assessed in the report Proposed Subdivision "Kilmany Park" Settlement Road, Wurruk (Anne Napier Architect, 2005). The report was based on an application to subdivide the buildings on the property onto a series of 6 individual allotments.² The report undertook further historical research, extracting quotes from two published sources,⁴ and provided a physical assessment of the individual buildings on the property.⁵ In its assessments of the perceived impacts associated with subdivision, the report extracted quotes from the Heritage Victoria published

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Context Pty Ltd, Wellington Shire Hentage Study: Stage 1 - Study methods and results, 2005, p. 130.

Walington Shire Council, HERMES database record no. 128012, Place Citation Report English Oak (Quercus robur), p. 2.

Anne Napler Architect, Proposed Subdivision 'Kilmeny Park' Settlement Road, Wurruk, 14 December 2005, pp.4-5.

Proposed Subdivision 'Kilmany Park' Settlement Road, Wursk, pp 2-3.

Proposed Subdivision 'Kilmany Park' Settlement Road, Wursuk, pp.3-5.

document Guidelines For The Assessment of Heritage Planning Applications.⁶ In light of the information gleaned from these documents, the report developed a series of recommendations for the management of the property.

Amongst others, it recommended.

- Subdivision of the property into the proposed 6 allotments was appropriate
- HO68 remain over all allotments, despite the subdivision, as part of a broader management plan for the heritage overlay
- Internal controls to the individual properties need not apply.
- External paint controls be removed from selected allotments; and
- External tree controls be removed from selected allotments.

The subdivision of the property into the proposed number of allotments occurred, creating the new properties 148A – 148F Reid Drive.⁷ The heritage overlay was retained its existing boundary (refer Figure 3).

In January, 2009, the property was again re-assessed in the report Kilmany Park Sale: Review of heritage significance (David Heims Heritage Planning + Management, January 2009). The report was based on a review of the significance of the property in order to provide recommendations to alter the extent of HO68.[®] A history of the property was developed and based, like that of the Wellington Shire Heritage Study: Stage 1, on the previous research undertaken by the National Trust of Australia (Victoria) and the Register of the National Estate; an assessment of the property was undertaken as part of the report.[®] Based on the assessment and previous historical research, a Statement of Significance was developed for the property.[®]

The preceding heritage reports (Napier, 2005 and Heims, 2009) are included at Appendix C.

3.1.2.3 Property Significance

The property, 'Kilmany Park', is identified as being of 'State' significance in the Wellington Shire Heritage Study: Stage 1 – Volume 1: Study methods: State significance is defined as:

State significance: those places that are considered to contribute to the heritage of Victoria.11

The Statement of Significance for the property reads as follows:

Kilmany Park is of considerable historical and aesthetic significance to Wellington Shire and the Gippsland region.

Historically, it has associations with the pastoral settlement of Gippsland in the mid-nineteenth century and illustrates the status of the pastoralists within Gippsland society. It has important associations with the locally important Pearson family who were influential in local and Victorian commerce and politics. Aesthetically, the present Classically [sic] derived mansion with the wide arcaded loggia at ground level and superimposed upper arcade with segmential arches and ponderous central pediment, is notable as one of the last of the conservative Classical mansions erected in Victoria. (RNE criteria A.4, B.2, D.2, E.1 & H.1))

(The Commission is in the process of developing and/or upgrading official statements for places listed prior to 1991. The above data was mainly provided by the nominator and has not yet been revised by the Commission)¹²

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Proposed Subdivision 'Kilmany Park' Settlement Road, Wursck, pp.5-9.

Land Victoria, Planning Property Report - 1488 Reid Drive, Wurruk, 231 February 2018, p. 1.

David Helms Hentage Planning + Management, Kilmany Park Sale, Review of hentage significance – January 2009, p. 1.

¹ Helms, Kilmany Park Sale, Review of heritage significance - January 2009, pp. 2-4.

^{*} Helms, Kilmeny Park Sale, Review of heritage significance - January 2008, pp. 4-5.

Weilington Shire Hentage Study: Stage 1 - Study methods and results, 2005, p. 10.

Wellington Shire Council, HERMES database record no. 120082, Place Citation Report Kilmany Park', p. 2.

The Statement of Significance for the English Oek reads as follows:

This English Oak (Quercus robur) at Kilmany Park planted by King George V when visiting the property as the Duke of York on 15 May 1901 is of historical and scientific (horticulture) significance to Weilington Shire. Historically, it is significant for its associations with King George V and a reminder of his visit to Sale at the time of Federation. It demonstrates the importance of Sale as city and Kilmany Park. Scientifically, it is of horticultural significance as a fine mature specimen of this species. (RNE criteria A.4, D.2 and H 1)¹⁰

The Statements of Significance for 'Kilmany Park' and the Oak Tree have been derived from the Statements of Significance developed by the Register of the National Estate and the National Trust of Australia (Victoria), refer Section 3.2 Non-Statutory Listings.

The heritage citations for 'Kilmany Park' and the Oak Tree, contained in the Weilington Shire Heritage Study, are included at Appendix A.

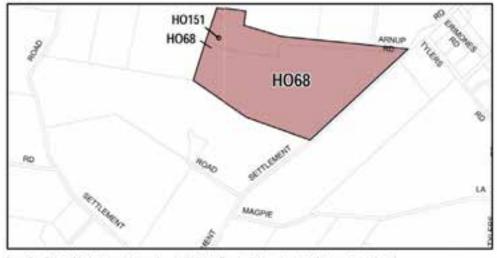


Figure 3 Extract of the heritage overlay map from the Wellington Planning Scheme: the extent of the property is indicated. Source: Wellington Planning Scheme

Wellington Shire Council, HERMES database record no. 120012, Place Citation Report 'English Oak (Quercus robuc)', p. 2.

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3.2 Non-Statutory Listings

3.2.1 Register of the National Estate

The property is included on the now archived Register of the National Estate (RNE), known as the Australian Heritage. Database, as Place ID 4772 – Kilmany Park. The property was registered as a historic building on 21 March 1978.

The registration for the property includes the following Statement of Significance:

Kilmany Park is one of the oldest established properties in eastern Victoria and largely founded by Willem Pearson. Resolute Scot, successful pastoralist, politician, and mining entrepreneur. The present Classically [sic] derived mansion with the wide excaded loggia at ground level and superimposed upper arcade with segmental arches and ponderous central pediment, is one of the last of the conservative Classical mansions erected in Victoria and notable for this fact. William Pearson junior was a model of his father's career.¹⁴

There are no statutory requirements as a result of the registration.

The accompanying citation for the registration is included at Appendix B.

3.2.2 National Trust of Australia (Victoria)

The property, and the English Oak tree planted by The Duke of Cornwall and York, are classified by the National Trust of Australia (Victoria).

The Kilmany Park Homestead is classified as being locally significant – file no. B2969. The building was classified on 7th December 1972.

The classification for the property includes the following Statement of Significance:

A two-storeyed mansion on a particularly grand scale, built in 1901 for the major squatter William Pearson, and notable for the variety of its art nouveau plaster decoration, the art nouveau timber screen in the drawing room, the imposing stair lobby and the great balcony, now partially built in **

The 'Quercus robut' (English Oak) is classified as being state significant – like no. T11099. The tree was classified on 10th April 1997. The tree is included on the National Trust of Australia Register of Significant Trees. III

The accompanying citations for the classifications are included at Appendix B.

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¹¹ Department of the Environment – Australian Government, Kidmany Park, Reid Dr. Wumah' in Australian Heistage Database, accessed 20 January 2016 at http://www.anvironment.cov.au/cat-

biolehiduleantup/moderplace_detal.seantriplace_nerve%3Dkitruer/%2520sek%3Dkit_code%3DRNE%3Dkeyword_PD%3Dor%3Dkeyword_SS S3Dor%3Dkeyword_Ph%2Dur%3Bkatude_tde%3D5%3Dkonglude_tde%3DE%3Bkonglude_2dr%3D5%3Dkatude_2dr%3D5%3Dke_negor%3Dp articlece_dt%722

National Trust database. Kilewary Park Homeshead: accessed 20 January 2016 at <u>http://whithewitage.vic.gov.au/search/nattrust_result_detab70006</u>

Wellington Shire Council, HERMES database record no. 128012, Place Citation Report 'English Oak (Quercus robur)', p. 2.

History

4.1 Contextual History

4.1.1 Settlement of North Gippsland

From the early 1840s, the Gippsland region of Victoria was initially settled by 'squatters' " who took up licenses on vast runs of Crown land. The majority of these early settlers were Scottish emigrants." This followed earlier exploration into Gippsland, from New South Wales, by Scotlish explorer Angus McMillan from December 1839.19

The inaccessibility of Gippsland from Melbourne during this early period was well noted, the Crown Lands Commissioner for Gippsland, Charles Tyers, abandoning his attempt at a 'practical overland route', in September 1843, instead opting to sail for Port Albert in January 1844 ²⁰ Prior to this, the majority of attempts at an overland route into the central plains of North Gippsland had been made from the New South Wales borders, via the mountain trail of Angus McMillan through alpine Gippsland ²¹ Those settlers opting for the alpine route shepherded livestock (both sheep and cattle) on a journey that, in the case of the early 'overlander' William Odel Raymond in June 1842, took four months ²⁰

Other Scottish squatters that opted for the overfand route included William Pearson who, at the age of 23, started for Gippsland in June 1841. Travelling overfand toward the Murray River (to the future site of Albury), Pearson followed the Mitta-Mitta River toward Mt Gibbo from where he travelled overfand, via Omeo, into Gippsland where he took up a 'run'²¹ on the central plans, in what would become the Sale district, in September 1841.³⁴ He named his run 'Kilmany Park'.

4.2 Place History

4.2.1 William Pearson of 'Kilmany Park'

William Pearson (1818-1893) was born at Hillon, Parish of Kilmany, Fifeshire, Scotland and educated at Edinburgh High School.²⁶ The son of a retired Royal Navy officer,²⁶ Captain Hugh Pearson,²⁷ young Pearson developed a penchant for the sea and was assigned to an American timber ship by his father in the expectation it would dissuade him from entering the seataring profession. Captain Pearson's attempts achieved the opposite effect with young Pearson jumping ship and joining the service of an East Indiaman,²⁸ in 1838, where he eventually rose to the position of third officer by the age of 20.²⁸ Following the death of Pearson's father in 1839, he left the sea and saled from Greenock, Scotland for Australia in September 1840, Pearson arrived in Adelaide early in 1841 from where he travalled overland to Port Phillip (Melbourne) and thence onwards to Gippsland.²⁹

Upon his arrival in Gippsland in September 1841, from Orneo, with a herd of cattle co-owned with fellow settler Malcolm Macfantane,¹⁷ Pearson took out a license in his mother's name, Helen Pearson of Edinburgh, for a run of 12,800 acres,

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Squatter: Someone who settled an Crown land to run stock, especially sheep, initially without government permission, but later with a lease or Icence. (Macquarie Dictionary definition) Peter Synan, Gippslend's Lucky City: A Holory of Sale, 1994, p. 19. Theo Webster, McMillan, Angus (1810-1885), Australian Dickonary of Biography, National Centre of Biography, Australian National University, first published in hardcopy 1967, accessed online 3 February 2018. http://adb.anu/biography/mmillan.angus.3416/text3203 w Gensland's Lucky City: A History of Sale, p. 19. Gippslend's Looky City: A History of Sale, p. 10. = Gippsland's Looky City: A History of Sale, p. 19. = Run: A large area of grazing land; a rural property: a grazing run; a sheep run. (Macquarie Dictionary definition) Alexander Henderson, 'Pearson of Kilmany Park', Menderson's Australian Families, 1941, p. 27. -Pearson of Kilmany Park', Henderson's Australian Families, p. 27. "Pearson of Kilmany Park', Henderson's Australian Families, p. 27. Meryin Stevenson, Kilmany's Stories 1911-2011, 2011, p. 4. East Indiaman: a large armed sailing vessel of the East India Company. (Macquarie Dictionary definition) Kilmany's Stories 1911-2011, p. 4. Pearson of Kilmany Park', Henderson's Australian Families, p. 27. Pearson of Kilmany Park', Henderson's Australian Families, p. 27.

before eventually transferring this into his own name in 1845.³² Pearson's change in ownership of the license was no doubt influenced by the preceding right obtained by squatters, in 1847, for freehold title on homestead blocks and long leases, of up to 14 years, on remaining land.³²

Securing freehold on the homestead block lead to the development of more permanent structures after 1847, including the first 'Kilmany Park' house: a gable roofed weatherboard bungalow of sorts, with five sets of French doors opening onto a recessed verandah beneath a continuous roofline (refer Figure 5). In c. 1870-71, this house was superceded as the principal residence on the estate with Pearson commissioning a new house.²⁴ to a design by Norwich-born, Sale-based architect and surveyor John Henry Wroth (J.H.W.) Petit (refer Figure 6).²⁵ Despite being superceded, the original house was retained as an aninexe to the new residence with an internal connection between the two, via a small hipped-roof weatherboard link (refer Figure 5).

William Pearson's character was defined by 'reputed aristocratic looks and stern demeanour' yet demonstrated a quick reaction when 'he believed his honour was being guestioned' * He also demonstrated an aptitude and ruthlessness in his business and personal pursuits, aiding in his development of 'Kilmany Park' as one of the great pastoral properties of Victoria. In 1862, the first example of this business acumen came at a time of threat to the squatting class's leased land on the Sale plains, via the terms of the Duffy Land Act. The Duffy Land Act was established in the 1860s as a response by government to assist out of work ex-miners establish themselves as small farmers or 'selectors' by reverting Crown land to freehold title. The majority of this land was identified as that Crown land held by the ruling squatter class under licensee or lessee agreement, the best of which was reserved by the government for disbursement via auction. In 1882, a pact was entered into by the various Gippsland squatters in which they would not bid against one another in the auctions held at land offices in the regional centres of the district. In the instance of one of these sales, this pact was dishonoured with William Pearson bidding on the neighbouring run to 'Kilmany Park', 'Fulham Station', and ultimately un-sealing the squatter of Fulham, Captain J.W. Jones. Following a public denunciation of Pearson in the editorial of the Gippsland Times after the event, it was reported that Jones suicided notiong thereafter.27 Having procured the entirety of 'Kilmany Park' per the Gippsland squatters' pact and the majority of 'Fulham Station' via auction, the whole was converted into treehold Me by 1868.^{III} In 1872, further accounts of Pearson's questionable conduct with regard to land acquisition at the local land board arose when morass land (marshy ground) leased by him at Wurruk was opened up to selectors. In this instance, the police magistrate W.H. Foster and district surveyor W.T. Dawson were in attendance in an attempt to thwart Pearson's undue influence over the sale through his use of several 'dummy bidders' on his behalf, including the private school mester to his children Reginald Wynne, so that it appeared that land was being purchased by the selectors for whom it was intended. In 1877, a candidate for the seat of North Gippsland asserted that the failure of the land sales between Sale and Rosedate and been due to being 'dummied by Pearson'.³¹ While guestionable, the adoption of these practices was ultimately successful with Pearson increasing 'Kilmany Park' to over 14,500 acres by 1882.⁽¹⁾ By 1894, the property totalled 17,000 acres ⁴¹ At the beginning of the new century, the estate covered nearly 30,000 acres. C

The acquisition of such land did come at significant cost, however Pearson's diversified business portfolio extended beyond that of pastoral pursuits. In June 1865, Pearson's fortuitous investment, along with other leading squatters on the Sale plains, ^{ci} realised the establishment of the Long Tunnel Extended Gold Mining Company mine at Walhalia, Pearson being its largest shareholder with 900 shares. ^{ci} With an initial share price of £5, resulting in a capital outlay of £4,500, Pearson's

Desize Morris, Pearson, William (1818-1892): Acotratian Dictionary of Biography, National Centre of Biography, Australian National University, first published in hardsopy 1967, accessed online 9 February 2016: <u>http://ack.anu.edu.au/biography/betrson.william.4364</u>

- Gippeland's Lucky City: A History of Sale, p. 34.
- Hilmany's Stories 1911-2011, p. 4.

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Pearson of Kilmany Park', Henderson's Australian Families, p. 28.

Gippsland's Lucky City: A History of Saik, p. 43.

³⁴ Tenders', Gippaland Times, & December 1870, p. 2.

John Henry Wroth Petit, Design and Art Australia Online, accessed 5 February 2018.

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Goppland's Lucky City: A Hotory of Salk. p. 43.

Kilmany's Stories 1011-2011, p. 4

Goppland's Lucky City: A History of Sale, p. 44.

Kilmany's Stories 1911-2011, p. 4.

^{*} Kilmany Park', The Leader, 18 August 1894, p. 8.

⁴ The Gippsland Capital – As Other's See If. Gippsland Times, p. 3.

share price rose to £212, realising dividends of £512 per share over the 45 years of the mine's operations[®] between 1865 and 1911.[®]

With the systematic increase in his wealth, Pearson further expanded his interests, investing in costly social pursuits, including hunting and horse racing, that would later become lynch pins in the social structure of the Gippsland community. Pearson was the first to introduce fox hounds into the Gippsland region for the sport and maintained them as 'master of the hounds', a position he retained until 1868 when he handed the responsibility to the newly formed Sale-district Hunt Club.⁽⁷⁾ His interest in horse racing in particular became a primary focus over time, initially beginning him as a race horse owner running at the local racecourse at Rooding Creek (as Sale was then known) where he won his first race in 1842.41 Later, he became an important supporter in the development of the Greenwattle Racecourse at Sale, both as an official of the Sale Turf Gub and as a horse owner.⁽¹⁾ in 1867, Pearson's contribution to the local racing industry began to border, in the eyes of some in the community, on undue influence with a question of a monopoly raised in light of Pearson's positions as secretary, treasurer and collector of funds for the Gippsland Turf Club in addition to him being the race handicapper and owning horses competing in the races.²⁰ His response to his critics, particularly with regard to his method of handicapping horses, was a daim for damages in a libel suit that he subsequently lost.⁵¹ Not one to suffer failure. Pearson instead broadened his focus further afield to the metropolitan races of Melbourne and subsequently placing greater emphasis on the development of his racing stable at Kilmany Park, the Pearson stable even possessing its own racing colour - black with a white stripe.11 In 1880-81. Pearson commissioned improvements to the Kilmany Park stables including the construction of a purpose built racing stable, again engaging Sale-based architect John Henry Wroth Petitt 10 Constructed by Rosedale builder William Allen,14 the stable consisted of 10 loose boxes and 5 stals.15 At its height the stables were considered 'the best outside Melbourne',²⁶ consisted of the central stable buildings and three training tracks, two of which were specifically designed for jumpers (steeple-chase) incorporating 'stout post and rail and log and stone fences' for training the horses; the whole overseen by a staff of 24.9°. For those employed in the stables, rough teatment was incurred under Pearson, especially the jockey who 'rode a bad race on a horse that was expected to win and did not, he was "given a hiding" when he got home:" Outside of the stables however, Pearson possessed a reputation as a notable breeder within Victoria, becoming members of both the Victoria Amateur Turf Qub (Caulfield Racecourse) and the Victoria Racing Qub (Remington Racecourse), the latter including a position on the Racing Club Committee 10 While experiencing great success, reputedly winning over 300 races and breeding over 100 winning horses,⁽¹⁾ the Melbourne Cup eluded his grasp; his nearest win with the Kilmany Park-bred horse 'Commotion' finishing second in 1884.11 In October 1893, having 'completely broken down', Commotion' was shot at 'Kilmany Park', the destruction of the horse making significant headines in The Age newspaper 41 Following his destruction. 'Commotion' was buried in the gardens of the homestead.¹¹¹

- http://parkeetb.vic.gov.au/explore/parks/we/halle-h.altu/bare-and-heritage/long-turnel-extended-gold-mine-
- ⁶ Gippelend's Looky City: A History of Sale, p. 45.
- Kilmany's Stories 1911-3011, p. 4.
- # Gippelend's Looky City: A History of Sale, p. 44.
- Gopstend's Looky City: A History of Sale, p. 44.
- Pearson, William (1818-1993)', Australian Dictionary of Biography, National Centre of Biography, Australian National University, accessed unline 9 February 2016. <u>http://acls.anu.edu.au/biography/bearson-william-4384</u>
- Gippsland's Lucky City: A Holivy of Sale, p. 44.
- Tenders', Gippaland Times, 1 November 1880, p. 2.
- A Pianeer Duilder Passes Mr Allen, of Rosedale', Gippoland Times, 3 January 1924, p. 3.
- Kilmany Park', The Leader, 18 August 1894, p. 8.
- Devastaling Grass Fires at Sale', Goppland Times, 17 February 1944, p. 1.
- Malua's Cup Not Commotion', Gippaland Times, 21 February 1944, p. 2.
- Passed Away Mr Geo. Wallace', Gippsland Times, 22 May 1952, p. 1.
- Kilmany's Stories 1911-2011, p. 4.
- Kilmany's Stories 1911-3011, p. 4.
- Gippsland's Lucky City: A History of Sale, p. 44.
- Death Of A Famous Racehorse Commotion Shot at Kilmany Park', The Age, 27 October 1993, p. 6.
- Witmany Park', The Leader, 18 August 1894, pp. 6-7.

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[#] Kilmany's Stories 1911-2011, p. 4.

Parks Victoria, Long Tunnel Extended Gold Mine', accessed online 5 February 2018.

While openly criticised by many in the Sale district, no doubt in light of his reputation for business. Pearson possessed supporters. In 1864, this support was bought to the fore in Pearson's election to the seat of North Gippsland in the Victorian Legislative Assembly, a seat he was re-elected to in 1866.⁵⁵ Resigning his seat in light of his opposition to the introduction of salaries for Legislative Assembly members, he subsequently ran for, and was elected, as the Representative of Eastern Province from 1881 and the Representative of Gippsland from 1882.⁵⁶ relating the seat until his death in 1893.⁴⁶ Developing standing in the community as a politician in light of his continued re-election, Pearson's personal investment in the Sale-district was no more defined than his contribution, in 1893 at the height of the 1890s depression, of £20 to the Gippsland Hospital to see the institution through following the closure of the National Bank in Sale and with it the loss of the Hospital's credit balance.⁵⁷

In light of his increasing time spent in Melbourne between the racing calendar and political appointments, Pearson purchased land in St Kilda East, at the intersection of Orrong and Inkerman Roads (now Inkerman Street) in 1864 for the construction of a townhouse, no doubt leaving a manager in charge of 'Kilmany Park' in his absence. In 1876, he commissioned the construction of a vast suburban 20-room villa, 'Craigellachie', at the centre of the 12 acre estate.10 The main entrance to the property was entered off Inkerman Street with a trade entrance, to a stable complex overlooked by an estate cottage, off Orrong Road.^{III} Significantly larger than comparable stable blocks on neighbouring villa estates, the increased size would have no doubt been a result of the buildings stabling for both the 'Craigellachie' household and race horses from the Kilmany Park stable, 'Craigellachie' providing Melbourne based stabling prior to and after race meets before their return to the racing stables at 'Kilmany Park'. The proximity of the 'Craigellachie' estate to Caulteld Racecourse would have also been advantageous.

The Hon. William Pearson MLC died at 'Craigellachie', St Kilda East, on 10th August 1893.10



Figure 4 Hon. William Peanson I (1818-1893); image date z. 1880-1893, photographer unknown. Source: State Library of Victoria

- Hilmany's Stories 1011-2011, p. 4
- Kilmany's Stories 1911-2011, p. 4.
- Pearson of Kilmany Park', Henderson's Australian Families, p. 28.
- Gippsland's Lucky City: A History of Sale, p. 88.
- City of Gent Eive, HERMES database record no. 35259, Place Citation Report 'Cragelactive, 25 and 2s Lynedoch Avenus', p.2.
- State Library of Victoria, MMEW Detail Plan No. 1430, Shire of Cauffeld.
- Kilmany's Stories 1911-2011, p. 4.

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'Kilmany Park', 1613 Settlement Road, Wumuk



Figure 5 External view of the first Kilmany Park' house, constructed after 1547 by William Pearson, looking north; photographer and data unknown. The image is taken from the carriage circle (simular driveway) at the front of the house. Note the nonline and chimney of the Meat House' to the immediate left of the house. Source: Pearson-Trumble Family Collection (image courtery of Angus Trumble, Canberra)



Figure 8 External view of the second Xilmany Park' house, constructed in a 1879-71, tooking north-west, photographer and data unknown. The image is taken from the gardens to the south-east of the house. Note the original house constructed by William Paerson in the background at right. Source: Peerson-Trumble Family Collection (image countery of Angus Trumble, Centerra).

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4.2.2 The Pearson Dynasty

Hon. William Pearson MLC (1818 - 1893)

William Pearson was a defining character in the settlement and development of Gippsland. From the early years of the region's settlement, he positioned himself at the centre of community life, in the Sale district particularly, and by virtue his family as one of the defining 'squattocratic' dynasties of the late Victorian – early Edwardian age.⁷¹

In 1859, William Pearson married Eliza Laura Travers¹⁷ at 'Grassdale', Gippsland, the two having met on a return trip of Pearson's to his native Scotland earlier that year.¹⁹ Eliza was the daughter of H.J. Travers, who, like Pearson, was previously in the service of the East India Company.¹⁴ Following their marriage, William and Eliza Pearson realised five sons and two daughters:

- Hugh Pearson (1860-1874) born 'Kilmany Park', Sale
- Henry Travers Pearson (1861-1880) born 'Kilmany Park', Sale
- William Pearson (1864-1919) born 'Craigellachie', St Kilda East
- John Benward Pearson (1866-1925) born 'Kilmany Park', Sale
- Alexander Buchanan Pearson (1869-1920) born 'Kilmany Park', Sale
- Helen Pearson (1871-1891) born 'Kilmany Park', Sale
- Laura Margaret Pearson (1874-1905) born 'Craigellachie', St Kilda East ^{III}

Hon. William Pearson MLC (1864 - 1919)

Given the premature death of his two elder brothers, the third son, William Pearson, succeeded them at 'Klimany Park' as her apparent, 'Following his education at the Geelong Church of England Grammar School, he travelled abroad for two years with Bishop Arthur Green before returning to 'Klimany Park' under his father's direction on the Estate; Pearson subsequently acquired 'Bonegilia' station near Wodonga.¹⁰ On 2nd July 1887, 'Pearson wed Sophie Emily Gooch, daughter of George Cornelius Gooch of 'Coonalipyn Station', South Australia,¹⁷ the two returning, with their young family, to 'Klimany Park' upon his father's death at 'Craigellachie', from heart disease at the age of 75, in 1894.¹¹ Following their marriage, William and Sophie realised one son and two daughters:

- William Roy Pearson (1891-1923) born 'Bonegilla' station, Wodonga'l'
- Helen Pearson (1893-1975) born 'Bonegila' station, Wodongall)
- Emly Laura Pearson (known as Mim)²¹ born St Kilda.¹²

Upon his return to 'Kirnany Park', William Pearson (Junior) assumed the manife of his father as head of the Pearson family and its position at the centre of community life, and the social squattocratic elite, in the Sale district / Gippsland region. Like his father he took a keen interest in local affairs, including several years as a member of both the Sale Borough Council and Rosedale Shire Council, a term as President of the North Gippsland Agricultural Society and a petron of the Sale Turf Qub as its President. Admired for his commitment to community life, he made his private golf course available to the Sale Golf Qub following its founding in 1901. In the event of big private tournaments at the 'Kilmany Park' course, Pearson invited boys from Sale to caddy for the gentry of Melbourne who descended upon 'Kilmany Park' to compete. Ever the gentiemen, Pearson had the unwritten rule that these gentiemen golfers be responsible for their caddles being well fed at the preceding.

- Pearson of Kitneny Park', Henderson's Australian Families, p. 28.
- Kilmany's Stories 1911-2011, p. 4.
- Pearson of Kilmany Park', Henderson's Australian Families, p. 28.
- Pearson of Kilmany Park', Henderson's Australian Families, p. 28.
- Kilmany's Stories 1011-2011, p. 4.
- Pearson of Kilmany Park', Henderson's Australian Families, p. 28.
- Kilmany's Stories 1911-2011, p. 4.
- Paarson of Kilmany Park', Handarson's Australian Families, pp. 28-28.
- Granny' in The Tumbre/Diaries. Angus Trumble. published 15 December 2008. <u>http://angustrumble.biogspot.com.au/2008/12/prannu.html</u>
- Pens. comm.: A. Trumble to S. Nichols, via email, 22 January 2018.
- Pearson of Kilmany Park', Henderson's Australian Families, pp. 28-29.

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Squatecratic, Iron Squatecracy the long-established and wealthy landowners who regard themselves as an aristecracy. (Macquinie Dictionary definition)

Iuncheon he would host in the grounds of the homestead. On one occasion where he noticed one caddy, Arthur Mitchell, being neglected, Pearson confronted 'the offending golfer and dispatched him forthwith to the Sale Railway Station'.^{III} In 1896, Pearson, like his faither, entered state politics, running for the same Province his father represented. Elected to the seat, he remained a member of the Council until 1916.^{III} He carried on the famous horse stud established by his father, albeit with lesser focus on racing and more on breeding, the large 10 box racing static previously full of horses in training during his father's time given over to 3 thoroughbred horses. Despite winding back horse-led operations at 'Klimany Park', by 1894, the estate still supported a stud of 200 horses, nearly all thoroughbreds.^{IIII} Like his father, Pearson maintained an extensive workforce on the estate, including a chauffeur known purely as 'Old Sock', the Pearson's car reputedy one of the first seen in Gippland.^{IIII} Emily Pearson too assumed her own responsibilities within local affairs, being much admired for her charitable work.^{IIIII} While maintaining the majority of his father's vices, Pearson was still yet to make his mark at 'Klimany Park'.

From 1903, Pearson began his improvements to the property, beginning with 'making and forming 75 chains of roadway', tenders for the project being called by Sale architect G.H. Cain in May, 1903;¹⁰ the works potentially related to the formation of the main driveway to the house, the distance of 75 chains (approx. 1.5kms) comparable to the current length of the driveway. All this was perhaps in preparation for what would be Pearson's ultimate gesture, that being a house with architectural prefersion that would maintain the Pearson's of 'Klimany Park' at the centre of the district socially beyond his life time. Constructed between 1905-06 to a design by pre-eminent Melbourne architects Harry B. Gibbs & Finlay.¹⁰ the c. 1870-71 house on the estate was guitted, a second storey added and the whole extended to create a mansion with a vast imitation ashiar, cement rendered, double-storey colonnade wrapping around three sides of the building. The post-1847 weatherboard house on the estate, which had previously survived as part of the homestead complex, was demolished as a consequence of these works. The mansion was construction targe enough to support its own social club which conducted eel fishing contents on Lake Guthridge, toward the edge of Sale; one event in 1905 attracting 19 competitors and a crowd of oncokers.¹⁰ A Melbourne-based newspaper, The Leader, did a photographic feature on the homestead, shortly after the completion of the mansion, in July 1905¹⁹

Like his father, Pearson entertained at "Kilmany Park" on a grand scale. In 1901, his hospitality was on show when honoured with being received by his HRH The Duke of Comwall and York (later King George V) during his Victorian visit to open the first Commonwealth Parliament in Melbourne.³² On this occasion, the Duke planted an English Oak tree in the homesteed's gardens.³⁰ In 1905, his hosting of the Easter Encompment of the 10th Regiment Australian Light Horse saw him lavish the entire regiment. His generosity, 'not forgotten', resulted in him being bestowed the rank Honorary Colonel.³⁶ In 1906, entertaining at 'Kilmany Park' ascended to another level of social hierarchy following completion of the mansion, with Pearson hosting the Farmer's Convention in July of that year the perfect opportunity. Over the course of the event, attendees were received by the Governor of Victoria, Sir Reginald Talbot, with convention delegates and an additional 400 residents of the Sale district hosted on the front lawns.¹⁶ Following inspection of the mansion, a large marquee was erected at the rear of the mansion which served afternoon les to all those in attendance.³⁶ This would become one of the last great events hosted at the mansion, the days of 'Kilmany Park' es a symbol of the squattocracy and what they represented

- Pearson of Kilmany Park', Henderoon's Australian Families, p. 28.
- Kilmany Park', The Leader, 18 August 1894, p. 8.
- Pers. comm.: A. Trumble to S. Nichols, via email, 22 January 2018.
- Gippsland's Looky City: A History of Sale, p. 123.
- Tenders', Gippoland Times, 25th May 1903, p. 2.
- Tenders', Gippaland Timez, 17 April 1905, p. 2.
- Gippsland's Lucky City: A History of Salk, p. 109.
- Kilmany Park Estate, Near Sale', The Leader, 7º July 1908.
- Pearson of Kilmany Park', Henderson's Australian Families, p. 28.
- Wellington Shire Council, HERMES database record no. 128012, Place Citation Report English Oak (Questus robor); p.1.
- Gippstend's Looky City: A History of Sele. p. 110.
- Elippeland's Lucky City: A History of Sale, p. 108.
- Gippsland's Looky City: A History of Sale. p. 110.

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Gippsland's Lucky City: A History of Sale, p. 147.

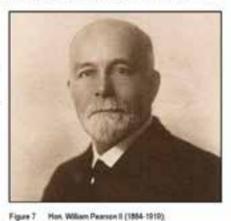
coming to a dose as a tide of sentiment turned against the ruling squatters, both at government level and within the local community.

During the early 1900s, agitation in Sale toward absentee landlords of vast squattocratic estates drew resentment in the community, such individuals seen as making no contribution toward the district, or Sale in particular, and therefore in effect were actively contributing to the slowed growth of the town if. While criticism was rife in the case of Henry Foster, if a resident of Tasmania whose family had owned the wast 'Heart Estate' since 1848,¹⁰ community criticism of William Pearson was held but muted, despite his considerably larger holding. This was in light of is residing at 'Klimany Park' for part of the year and the major contributions of himself and his wife to the town, William in his role as public benefactor and parliamentarian and Sophie for her contributions toward local charties.¹¹⁰ Later, in 1910 and despite his considerable contributions to the district, injustice would be delivered to William Pearson in the compulsory acquisition of the western portion of 'Klimany Park',¹¹⁰ an area covering some 8,600 acres (refer Figure 14).¹¹²

Following the sale of the Estate's western section, at the end of 1912, Pearson took his family to England for an extended period. During this time, Sophie Pearson and her daughters, Helen and Mim, were presented at an evening court to King George V and Queen Mary. Their trip also included time on the continent, including Menton in southern France and skiing in Switzerland. While there, the only Pearson son, Roy, enrolled in the British Army, eventually serving as a Lieutenant in the

13th Hussars in Mesopolamia and the King's Own Yorkshire Regiment in France.113 With Roy remaining in Britain, Pearson and the remainder of the family sailed for Victoria in 1914, however with their only son remaining in Britain, the family returned in 1915 and stayed for the duration of the First World I. Anticipating the length of their stay, Pearson did not recontest his parliamentary seat in the Legislative Council in 1916. In his absence, his Australian affairs were left with his brothers (John and Alexander) and a group of, apparently, 'incompetent business agents'. 11 1918, upon the outbreak of the notorious 'Spanish Ru' pandemic which was contracted by both Helen and Mim, Pearson and his family returned to Victoria and the safety of 'Kilmany Park'. 125 Eventually reaching Victoria in 1919, the pandemic killed approximately 10,000 people nationally 100 William Pearson, being 'in indifferent health for some time' eventually succumbed to heart failure in April of that year:107 a potential complication of the influenza pandemic.

The Hon. William Pearson MLC died at 'Kilmany Park', at the age of 54, ^{col} on 31st March 1919.¹⁰⁰



 Hon. William Pearson II (1854-1919) date and photographer unknown. Source: Pearson-Tramble Family Collection (Image courtery of Angus Tramble, Canberg)

5	Gippalend's Lucky City: A History of Sele, p. 123.
	Gepeland's Lunky City: A History of Sale, p. 122.
	Fester, John (1792-1875), Australian Dictionary of Biography, National Centre of Biography, Australian National Liniversity, accessed online 11 February 2016: <u>http://seth.amu.edu.aubiography/fester-lohn-2001</u>
	Gepsland's Looky City: A History of Sale, p. 123.
	Kilmany's Stories 1911-2011, p. 4.
-	Gippolend's Looky City: A History of Sele, p. 146.
-	Pearson of Klimany Park', Handerson's Australian Families, p. 28.
	The Pearsons in London' in The Tumbrel Diaries, Angus Trumble, published 4 March 2009. Mits Penguntrumble biographic com av(2009/03/pearsons in Iondon html
	'Granny' in The Tumbre / Diaries, Angus Trumble, published 15 December 2008, http://angustrumble.biogspot.com.au/2008/12/granny.html
10	Australian Emergency Management Romain-typ Hub, Epidemic – Spanich Fla, Australia wide 1919. accessed 12 February 2018. <u>https://www.amicrowin.doa.acv.au/besource/97/1918/acidemic – spanich flu-australia-wide.1919</u>
÷?	'Obituary - The Late William Pearson', Gippsland Times, 3 April 1919, p. 3.
84	'Obituary - The Late William Pearson', Gippeland Times, 3 April 1919, p. 3.
	Pearson of Kilmany Park', Henderson's Australian Families, p. 28.

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Figure 8 Mr. W. Pearson's Residence', an extract from the photographic feature 'Kitmany Park Estate, near Sale', External view of the entrance foot of the third 'Kitmany Park', house, looking north-west, shortly following its completion in 1906. Note the croquet hoops on the central laws (left), indicating its original use as a croquet laws, and the angled brick edging to the surrounding gardens beds (light). Source: The Leader, 7r July 1906, p. 33.



Figure 9 Internal view of the Drawing Room of the third Kilmeny Park' house, tooking went toward the entrance hall; photographer and data unknown. Source: Pearson-Trumble Family Collection (Image courtery of Angus Trumble, Conterna)

'Kilmany Park', 1613 Settlement Road, Wumuk



Figure 10 View of wedding party gathered on the front steps of Kilmany Park', s. 1912; photographer unknown. The Hon, William Pearson (Jrc.) stands, at right, immediately in frunt of the car, his well-Sophie Emily Pearson is seated fourth from right. The father of Sophie's only son and principal heir, William Roy Pearson, stands immediately left of the nearest column Source: Pearson Trumble Family Collection (Image counterly of Angus Trumble, Catheres)

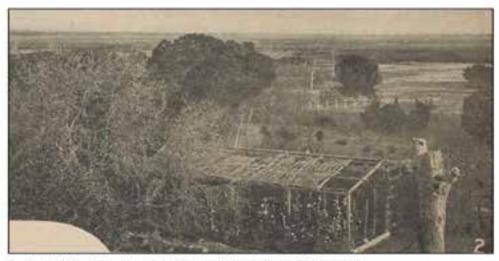


Figure 11 Looking Arrows Kilmany', an extract from the photographic feature. Kilmany Park Estate, near Sale', External view across the gardens from the first-Boor of the mamsion house. The building in the foreground appears to be a shade house for the propagation of plants. Source: The Leader, 7th July 1905, p. 33.

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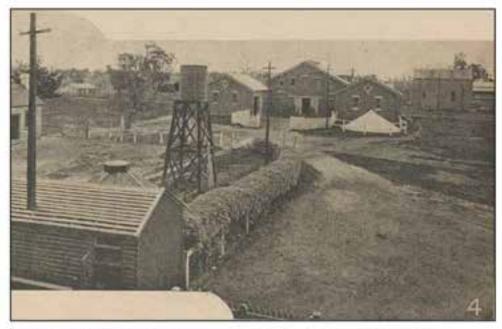


Figure 12 Stock Yard, Stables and Electric Power House', an extract from the photographic feature Kitmany Park Estate, near Sole'. External view of the man yard of the Kitmany Park' homentead, looking north-east towards the Pearson racing stables. The electric power house is in the foreground, the stockyards are at right in the bockground of the stables. The height of the image indicates that it was taken from the first-floor versionable at the rear of the mansion. Source: The Leader, 7+ July 1900, p. 33.



Figure 13 Merr's Quarters and Shropshire Even," an extract from the photographic feature 'Kitnery Palk Estate, near Sale'. External view of the men's quarters, looking north-east. Note, the conical structure in the foreground is an underground water tank. Second: The Leader, 7° July 1900, p. 23.

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William Roy Pearson (1891 - 1923)

Following William Pearson's death, the Pearson dynasty and its future at 'Kilmany Park' steadily began to unravel. The heir apparent, William (Roy) Pearson, despite his father's wishes, did not succeed to the estate.111 Having survived World War I, he returned a chronic alcoholic and made the decision to sell 'Kilmany Park' as a consequence of settling his father's estate 11

Upon the estate's eventual sale to the Closer Settlement Board for further agricultural subdivision in 1920,112 Sophie Pearson removed to the coastal town of Metung111 in south Gippsland where she eventually died in 1923.114 Roy Pearson would predecease his mother in 1923, dying at the age of 33 as a result of his alcoholism, at his property 'Commotion' (named by him after his grandfather's famous racehorse) at Kilsyth near Croydon 115 His young bride, Maida Frances Blood Dowling¹¹⁶ returned to her native Toowoomba, Queensland, childless, soon after ¹¹⁷

Pearson's sisters, Emily (Mim) and Helen, coincided their respective marriages with the disposal of 'Kilmany Park', both manying at St. Paul's Cathedral, Sale in 1920, Mim in January 11 and Helen in October Helen's reception was one of the last events hosted by the Pearson's at the mansion 119

In death, Helen would eventually return to 'Kilmany Park', her ashes scattered 'under a pretty tree on the edge of what was originally the croquet lawn at the front of the house' in 1975.00

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- Pearson of Kilmany Park', Handerson's Australian Families, p. 28.

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Committee' in The Tumber/Dianies, Angus Tsumble, published 20 May 2011, http://angustramble.biograph.com.au/2011/05/committee/limit

Commotion' in The Turnites/Diverses, Angus Trumble, published 20 May 2011, http://angustumble.biograps/com.au/2011/05/commution.html 444 Gippsland's Looky City: A History of Sale, p. 146. +12

The Pearsons in London' in The Tumbrel Clarics, Angus Trumble, published 4 March 2009. ALC: N http://angustrumbie.bio.gspot.com.au/2009/93/pearsona-in-london.html

Commotion' in The Tumbrel Dienes. Angus Trumble, published 20 May 2011, http://angustrumble.blogupot.com.au/2011/05/commotion.html

Pearson of Kilmany Park', Henderson's Australian Families, p. 28.

The Pearsons in London' in The Tumbrel Diaries, Angus Trumble, published 4 March 2009, ia.

http://angustrumbia.blogspot.com.au/7009/03/peersone-in-london.html

⁻Weddings. Mr. Ray Laidlaw Davidson to Mrs Laura Emily Jackson, Table Taik, 22 January 1928, p. 25.

Wedding, Borthwick - Pearson', Transition Record, 2 November 1920, p. 4.

⁻Kilmany Park' in The Turnhrel Diaries, Angus Tsuirble, published 24 December 2008. http://angustrumbile.bib.gspot.com.au/2008/12%ilmany-park_24.html

4.2.3 Closer Settlement Board

In 1904, the Premier of Victoria, Thomas Bent, introduced the Closer Settlement Estates acts, the gesture representing the revival of previous land settlement acts in an attempt to install small landholders on their own properties following the hardships faced by those during the 1890s depression.¹⁰¹

In 1910, the Lands Purchase and Management Board made an approach to acquire the western half of the 'Kilmany Park' estate for subdivision into 73 doser settlement agricultural allotments, ranging from 20 acres to 276 acres.¹²² Representing 8,600 acres of the estate developed by his father, William Pearson initially refused the offer. However, the powers of the Closer Settlement Act, even for a sitting parliamentarian at that time, offered little recourse and Pearson sold, realising £12 per acre; approximately £103,200 in total.

Following World War I (1914-18), the influx of returned soldiers to the Sale district hastened the "breaking up of the large estates"¹²³, the 'national obligation to rehabilitate them and make Australia a land fit for heroes' increasing the necessity for further closer settlement in the district.¹²⁴ Of these, the remnant eastern-portion of 'Kilmany Park' was considered a prize to disperse amongst those more deserving. These opinions were expressed early amongst the citizens of Sale, the decision not to purchase the estate on the advice of the valuer to the Closer Settlement Board, shortly after William Pearson's death in 1919, inoting the 'astorishment and anger of Sale'.¹²⁸ The decision by the Board galvanised the community to comince it (the Board) otherwise, inciting 'rallies, deputations, even speeches at half time at the football'.¹²⁸ In 1920, the Board succumbed to the demands of the Sale community, overlooking the ability for the estate to be subdivided into viable farms (as noted by the Board's valuer) and the further questions associated with what to do with the homestead's wast mansion. The estate was initially subdivided into 36 allotments in an attempt to evenly subdivide the property between low-lying morass and high ground. The subdivision was subsequently increased by 5 allotments following the Board's sale of the homestead and some adjacent land.¹²⁷

In 1923, the Closer Settlement Board sold the homestead and adjacentiand to the Presbyterian Church of Victoria.¹⁰¹ Prior to the church laking over the homestead, a dearing sale was held dispersing the remainder of the Pearson family's furniture that had presumably been left in the house following their departure.¹⁰¹

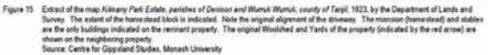
-	Kilmany's Stories 1911-2011, p. 12.
10	Kilmany's Stories 1911-2011, p. 4.
10	Gippsland's Lucky City: A History of Sale, p. 147.
24	Gippeland's Lucky City: A History of Sale, p. 148.
10	Gippeland's Lucky City: A History of Sale, p. 146.
88	Gippsland's Lucky City: A History of Sale, p. 146.
10	Gippsland's Locky City: A History of Sale, p. 148.
-	Gippeland's Lucky City: A History of Sale, p. 148.
-01	Kilmany's Stories 1911-2011, p. 4.

'Kilmany Park', 1613 Settlement Road, Wumuk



Figure 14 Kilmany Park Estate. Partates of Denison and Wurruk Wurruk, County of Tanjil. 1923, by the Department of Lands and Survey. Plan of the original extent of the Kilmany Park extate showing the subdivision pattern of the property; the homestead block containing the mension and outbuildings is indicated. Source: Centre for Gippstand Studies. Monash University





4.2.4 The Kilmany Park Home for Boys (1924 - 1978)

In the early 1920s, the idea of repurposing the former Pearson homestead at 'Kilmany Park' as a boys' welfare home was initiated by local merchant and Presbyterian parishioner Mr. W.D. Leslie.¹⁰⁰ On 8th January 1923,¹²¹ the homestead and some 200 acres of land¹²¹ were subsequently purchased by the Rev. Donald A. Cameron M.A. on behalf of the Presbyterian Church of Victoria on the 8th January 1923 (refer Figure 14).

Opening in 1924¹¹¹ as the 'Kilmany Park Farm Home for Boys', ¹¹² the Home was designed as a place to transplant oily boys who were at social risk, to the wholesome atmosphere of a Gippsland farming property', ¹¹² The Home's farm, the 'McClelland Memorial Farm' was gifted to the institution in the memory of Thomas Hugh McClelland (1907-1924) by his parents: Thomas and Ekzabeth McClelland, ¹¹² a plaque at the rear entrance to the homestead indicating the donation (refer Figure 68); a Mr and Mrs. T. McClelland were members, respectively, of the Committee and Melbourne Ladies' Auxiliary of the Home at this time. ¹¹² Overseen by a complicated management structure in both Melbourne and Sale, the management structure included: a Patron, Chairman, Hon. Secretary and Treasurer, Committee, Sale Advisory Committee, Melbourne Ladies' Auxiliary and a Sale Ladies' Auxiliary.¹¹⁸ The first superintendent of the Home was Mr. H. Clyne.¹¹⁸

By 1925, numbers increased at the Home, 44 boys having passed through, for both long and short stays, in that year. ¹⁶ At the time, the Home's farm ran 30 milliong cows, 25 pigs and Ayrshire cattle for breeding in addition to growing wheat (5 acres), barley (15 acres), onto for hay (10 acres), potatoes (2 acres); and maize, sugar mangolds, and pumpkins (5 acres). The wheat grown was ground at the local mill for the Home.¹⁴¹ With constant pressure placed on the local school at Wurruk, to which the boys would travel for their schooling, the Victorian Education Department opened a school in 1927, the Kämany Park School No. 4240, ¹⁶² at the rear entrance to the homestead; the school consisting of two buildings, a school house and a Sloyd (woodwork) room.¹⁶¹ By 1944, average attendance at the school had increased to 40 boys and 3 girls.¹¹⁴ Previously, in 1931, the numbers of students at the school had increased to 40 boys and 3 girls.¹¹⁴ Previously, in 1931, the numbers of students at the school had increased to 40 boys and 3 girls.¹¹⁴ Previously, in 1931, the numbers of students at the school had prompted discussions regarding the provision of a residence for the Head Teacher and the relocation of a vecant Closer Settlement Board house on '0'Farrell's Block', a half mile away from the school, to facilitate this.¹¹⁴ It is unclear whether the relocation of this residence occurred, however by the late-1930s a white weatherboard house had been constructed in the proximity of the school.¹¹⁶

In February 1944, significant grassfires in the East Kilmany – Rosedale area caused widespread damage, devastating the nural communities and causing significant livestock and infrastructure losses.²⁰ "Kilmany Park' was not spared with significant damage caused to the Home and school. At the school, outhouses and the Sloyd room, with all its equipment, were destroyed with the school house escaping relatively unscathed, albeit for requiring repainting externally as a result of

Gippeland's Lucky City: A History of Sale. p. 169.

Pers. comm: D. Page to S. Nichola, via email, 29 January 2018.

Public Records Office of Victoria, LS25857 Kilmany Park Fam Home for Bays Presbyterian Church of Victoria Wuruk Wuruk 1 E 11 11A 205-3-39, VPRS 5714/P0000/012, 1923 1942

[—] Gippeland's Lucky City: A History of Sale, p. 109.

Gippoland's Lucky City: A Hotory of Sale, p. 169.

Public Records Office of Victoria, "The Nilmany Park Farm Home for Boys", Sale, Oppolend, 4240 Kilmany Park, Building Files: Primary Schools, VPR5795P00003004, 1924-87.

Thomas Hugh McCleland, Find A Grave, accessed 19° February 2018 at http://www.findagrave.com/cga-binfig.og/?page-up/K/Rid=114338488

Public Records Office of Victoria, "The Kileway Park Farm Home for Boys", Sale, Gppsland, 4240 Kilewany Park, Building Files: Primary Schools, VPR5795P00000004, 1924-67.

Public Records Office of Victoria. The Kilmany Park Farm Home for Boys? Sele. Glopsland, 4240 Kilmany Park, Building Files: Primary Schools, VPRS785P00000004, 1824-67.

Public Records Office of Victoria, "The Kilmery Park Farm Hume for Boys", Sale, Gppslend, 4340 Kilmany Park, Building Files: Primary Schools, VPR5795P00003064, 1924-67.

Public Records Office of Victoria, 4240 Kilmany Park, Building Files: Primary Schools, VPRS795/P0000/3004, 1924-67.

Public Records Office of Victoria, 4040 Kilmany Park, Building Files: Primary Schools. VPRS795/P0000/0004, 1924-67.

Public Records Office of Victoria, 4240 Kilmany Park, Building Files: Primary Schools VPRS795/P0000/3004, 1924-67.

Gippeland's Lucky City: A History of Sale. p. 169.

Public Records Office of Victoria, 4340 Kilmany Park, Building Files: Primary Schools, VPRS795P0000/3004, 1934-67.

Public Records Office of Victoria. 4240 Kilmany Park, Duilding Files: Primary Schools VPRS795/P0000/2004, 1824-67.

Pent. comm : D. Page to S. Nichols, via email, 29 January 2016.

^{**} Deviastating Grass Fires at Sale', Gippolend Times, 17 February 1944, p. 1.

the fire.¹⁴³ In comparison, the Home and its centre at the Pearson family's former homestead, which had been largely retained intact by the Presbyterian Church, saw significant damage. The architect-designed racing stables of William Pearson were largely left in ruins, albeit for the flanking wings either side of the central yard,¹⁴⁰ 1,200 bales of meadow contained within the building fuelling the fire.¹⁵¹ The did woolshed of 'Kilmany Park', evident on 1923 maps of the property (refer Figure 15) was also destroyed during the fires, the building 'Bied with hay.¹⁵¹ A series of timber outbuildings, during from the Pearson era, which did survive the fires were subsequently demolished prior to 1949.¹⁵²

Following the fire, improvements to the school were slow. While replacement of the Sloyd room was considered urgent in 1944, a design for a replacement Sloyd room was not prepared by the Chief Architect of the Public Works Department, Percy Everett, until June 1949. Reconstruction of the room was undertaken by Reconstruction Trainees at the Sale Technical College, however by April 1949 the building had been left unfinished following the dosure of the vocational training centre at the College.⁵¹² The subsequent result was a building that did not adhere with the final design prepared by the Public Works Department. The Sloyd room was eventually completed by February 1955.⁵¹⁴

By mid-1966, the Kilmany Park School, albeit maintained by the Department of Education, had closed. As early as 1966, the Education Department discussed the removal of the school house from the site, however, for reasons unknown, this did not occur. In September 1969, the dormant state of the Sloyd noom and its equipment raised the concern of then superintendent of the Home, J.C. Whimpey, to write to A.W. Woodhouse, Secretary of the Education Department indicating it had 'disturbed me for some time, to see the building and equipment out of use, and therefore deteriorating'. While Whimpey attempted to negotiate the rental of the Sloyd noom, by the Home, to educate members of the local Scout Troop in woodwork, the Education Department had already negotiated the relocation of the timber furniture in the Sloyd noom to the Sale High School for use in its new woodwork noom.³⁵⁶ In light of the removal of the furniture, it is undear whether the Home proceeded with the lease of the Sloyd noom for the Scout Troop.

During the 1960s, and despite the docure of the Kilmany Park School and the disbursement of its foctures to the Sale High School, the continued investment in the Home's infrastructure continued. Under Superintendent Eric Frith's tenure during this period, significant attention was paid to the Home's grounds. These works included the realignment of the main drive way, constructed by the Pearson's, to accommodate a large oval on the east front of the house; the driveway skirting along its south-east edge. In addition to these works, an avenue of native trees was planted along the length of the drive, the avenue named Leslie Drive in honour of the phlanthropic Leslie family of Sale, the family having served the Home for three generations.¹⁵⁶ The Home farm continued to operate with the institution providing a focus toward 'formal farm training'.¹⁵⁷ Construction was undertaken of several houses on the trings of the homestead complex for various manager's at the Home, including the 'William's House' in the mid-1960s, a red-brick house on the north-east edge of the homestead complex and the 'Spencer House' in the mid-1960s, an orange brick house (near the former Kilmany Park School) for share farmers on the property.¹⁵¹

In 1962, further construction works came in the form of a significant bequest to the Home, the R.M. Ainslie Bequest, which enabled the construction of a brick Recreation Centre for the boys at the rear of the mansion. Somewhat reflecting the architectural language of the nearby Pearson-era racing stables, the Centre was, presumably, designed by Melbourne architect Keith Reid, the architect having undertaken previous alterations to the mansions kitchen, in 1948, as a result of a bequest to the Home by Miss Janet Stewart, the kitchen works were undertaken by Sale builder Mr W. Stephenson.¹³⁹ Undertaking another project for the Presbyterian Church in the Sale area at this time (St Columba's Presbyterian Church,

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Public Records Office of Vetoria, 4240 Kilmany Park, Building Files: Primary Schools, VPRS705/P0005/2004, 1924-47.

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Devastating Grass Fires at Sale', Goppland Times, 17 February 1944, p. 1.

Devectating Grass Fires at Sale', Gippoland Times, 17 February 1944, p. 1.

Pers cerves: D. Page to S. Nichola, via email, 29 January 2018.

Public Records Office of Victoria, 4240 Kitnamy Park, Building Files. Primary Schools VPRS705/P0000/3004, 1024-67.

Public Records Office of Victoria, 4240 Kilenary Park, Building Files: Primary Schools, VPRS795/P0000/3004, 1124-62.

Public Records Office of Victoria, 4240 Kilmany Pack, Building Files: Primary Schools, VPRS765/P0000/3004, 1824-67.

ni Refer Figure 78.

Kitmany Park Hissie Presbyterian Home for Boys', Vistoria, Care Leavers Austrolasia Network, accessed 10° February 2016 at http://www.clan.org.au/homes/vis2xtk/many-park-house-presbyterian-home-for-boxs

Pens. comm.: D. Page to S. Nichols, via email, 29 January 2018.

Witnery Park Kitchen', Gippslend Times, 29th April 1948, p. 1.

Sale; 1958), the architect had also undertaken multiple ecclesiastical projects, mostly for the Presbyterian Church, since 1931.¹⁰⁰ The Centre was opened by Councilior John Leslie J.P., Mayor of Sale, on 25ⁿ August 1962, a brass dedication plaque at the south entrance to the Centre denotes this contribution (refer Figure 70). Further investment was undertaken in the construction of a 'Manager's House' in the mid-1970s, a cream brick house in the gardens of the homestead.

Despite the value of the Home as a valued alternative to many metropolitan-based institutions during the mid-1960s, by the mid-1970s the Kilmany Park Farm Home for Boys was seen as an outdated care model.³⁰¹ In 1977, changes within the Church management hierarchy hastened decisions with regard to the Home, the responsibility of boys' homes and community organisations within Victoria having been transferred from the Presbyterian Church of Victoria to the Uniting Church in Australia (Synod of Victoria and Tasmania).⁴⁰

The Kilmany Park Farm Home for Boys closed in 1978. 11

Following the Uniting Church's decision to close the Home, the property was maintained as a dairy, the land being let to various tenant farmers during this period until the mid-1990s.

42.5 The Page Family (1995 - Present)

In 1996, the Uniting Church in Australia placed 'Klimany Park' for sale by tender, the value of the property unknown in light of its former institutional use and the significant number of buildings that now constituted the homestead complex; the mansion and its size particularly problematic.¹¹⁴

On December 18th 1996, 'Kilmany Park' was purchased by Dr. Daryl Page. Following his purchase of the property, significant restoration and repair works were undertaken to the mansion specifically and the homestead complex generally. Significant works to the homestead complex included the renewal of the formal gardens of the mansion, including their extension toward the east into what had previously been open paddocks. These works included the removal of existing trees and plantings, the establishment of the present east lawn and the installation of a water fountain, the fountain having been purchased by Dr. Page in East Melbourne in 2001.¹⁰⁸ Additional works included the demoition of the cream brick 'Manager's House', constructed during the mid-1970s in the final years of operation of the former Kilmany Park Farm Home for Boys.¹⁰⁸

In late 2005, Dr. Page commenced a subdivision of the homestead complex into a series of six individual tilles.¹⁰⁷ This subdivision resulted in the former Kilmany Park School, men's quarters, multiple caretaker and labourer houses; and the remainder of the homestead complex, including the mansion, being divided into a separate tilles. A road easement, forming an extension of Reid Drive, provides access to these smaller properties.

'Kilmany Park' is maintained by Dr. Page as his home, a bed and breakfast and wedding and reception venue.

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Built Heritage Phy Ltd, Kath Reid (1906-5990), Dictionary of Linnary Antifects., accessed online 23 February 2018. Ital Heritage Phy Ltd, Kath Reid (1906-5990), Dictionary of Linnary Antifects., accessed online 23 February 2018. Kimany Park House Presbytarian Home for Boys', accessed 19: February 2018 at Minu Heritage and Automative Cark Information and Automation Home Reit Borra Pres. comm: J. Wilson, Clark of Assembly for Presbyterian Church of Victoria, to S. Nichols, via email, 27 January 2018. Kimany Park House Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2010 at Minute Presbytarian Home for Boys', accessed 19: February 2016, Pers, comm: D. Page to S. Nichols, via email, 29 January 2018, Presbytarian Tolowary Park' Settlement Reed, Muruir, p. 1, Presbytarian Tolowary Park' Settlement Reed, Muruir, p. 1,

'Kilmany Park', 1613 Settlement Road, Wumuk

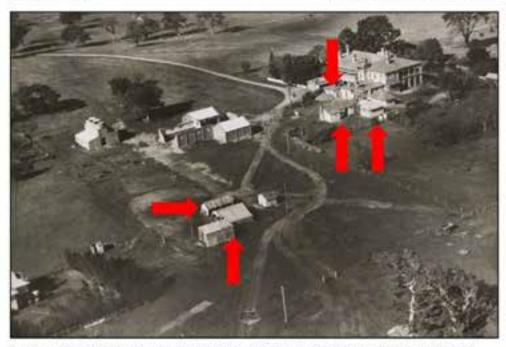


Figure 16 Image from the collection. Killmany Boys Home and Apoloal form in the Saile arrva'; c. 1945, photographer: State Rivers and Water Scappy Commission. Aexial view of the Killmany Park' homested, documenting damage following the c. 1944 grass fires, including: the guited Peterson rocing stabilies, and charred trees along the boundary lence of the former Killmany Park School. The buildings indicated by the rod arrows have since been demolished. Source: State Library of Victoria



Figure 17 Kilmany Park Farm Home, Sale", c. post-1922; photographer unknown. External view of Kilmany Park Home for Josse, following its acquisition by the Presbyterian Church as the Kilmany Park Home for Boys. Note the shade-cloth on the first floor colonnade where these areas have been converted into domitaries for the boys. The original angled brick garden edging (s. 1905), dating from the original garden layout of the house, remains intact (refer Figure 8). Source: Presbyterian Church of Victoria

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Ancial view of Kilmany Park' from an extract of an aerial view of the Sale District, c. 1978; photographer unknown. The aerial shows the property increadiately prior to the closure of the Kilmany Park Farm Home for Boys in 1978. Note the visible lack of the avenue along the extent of the rosin diversay. The approximate extent of the heritage overlay has been overlaid across the image. Source: Beveridge Williams Development and Environment Consultants (Sale Office) Figure 18



Figure 19 External view of the completed Recreation Centre at the Kilmany Park Famil Home for Boys, looking south-west, toward the sear entrance, r. 1982; photographer unknown. Source: Care Leavers Australiania Network website, accessed 19* February 2016 at: http://www.cian.org.au/homes/vic?arkilmanc.park/house-prest/detain-home-for-boxy

'Kilmany Park', 1613 Settlement Road, Wumuk



Figure 20 External view of the Kilmany Park Fami Home for Boys, looking south toward the rear of the manufam, c. 1962, photographer unknown. The presence of the Recruition Centre, at the right of the image, indicates the image was taken after the completion of the building. Source: Care Leavers Australiasia Network website, accessed 19° February 2016 at: http://www.cian.org.au/homeu/vic?srikitnamy-park-house-pre-strytesian-home-for-boys

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Subject Property

5.1 Context

The south-east area of Wurruk is defined by broad acre subdivision, consisting of 1 acre allotments, bordered by open farm land. The remnant farm land on the edge of the subdivisions is typically higher level ground, dotted with single stands of old. Eucalypt trees that are endemic to the area, that culminates in a promontory of sorts before descending into low-lying undulating ground and ultimately morass (marshes) on the southern side of Settlement Road. This natural topography is representative of the landscape quality of the 'Kilmany Park' property as defined by heritage overlay HO68 – hereafter referred to as the property. The homestead complex is located on the promontory.

The major thoroughfares in the area consist of a variety of major bitumen arterial roads, bitumen residential streets and gravelled rural roads. The major arterial roadway Settlement Road (a sealed road) runs the extent of the southern boundary of the property. In the north-east, Reid Drive (a sealed road) runs north-south, to the rear entrance to the property. Originally, Reid Drive was contained exclusively within the greater "Wimany Park" property, resulting in its straight alignment that does not deviate. The northern boundary of the property is bordered by Arnup Road (a gravelled road), the roadway surveyed as part of the doser settlement of "Kilmany Park" in the 1920s. The odd alignment of the road, and its multiple deviations, are representative of it following the boundaries of the original allotments surveyed as part of the Goser Settlement scheme (refer Figure 15 and Figure 21).

The 'Kimany Park' homestead is within the north-west corner of the property. The rear entrance to the property is defined by decorative concrete gateposts and plantings of Aloe Vera plants. The concrete posts are contemporary with the establishment of the Kilmany Park Farm Home for Boys in 1924 as seen in a dedication plaque; the planted borders of Aloe Vera are associated with beautification projects undertaken during the property's tenure as a boys' home (refer Figure 34) When viewed to the south, the location of the homestead on a promontory allows for uninterrupted views across the low lying farm land of the property to distant foothils. Below the promontory, the surrounding landscape is dotted with Eucalytis, of significant age, and remnant wind-break plantings of Macrocarpa and Silver Poplar (silso of significant age), the wind breaks originally defining fence lines and the surrounding structure of paddocks. As one approaches the main entrance of the property, from the south along Settlement Road, continuous views of the homestead, and therefore its rear outbuildings, are obscured by established lines of old Macrocarpa cypress trees. At the end of the line of trees, the main entrance to the property is defined by two English Oak trees, of considerable age, and later horizontal paling fences with plantings of Aloe Vera. The driveway runs parallel with Arrup Road, the boundary line of the property extending between the two graveled lanes. Views of the homestead complex, when travelling south along Settlement Road, are largely obscured due to the natural topography of the land and the established lines of Macrocarpa cypress.

As is the case with most rural properties, much of the aspect enjoyed by the homestead exists beyond the physical boundaries of the property. The majority of those important views from the homestead complex extend from the south-east, and the existing alignment of the main driveway to the property, to the north west. To the north, and across the higher ground to the rear of the homestead complex, extensive residential subdivision on neighbouring properties has compromised views from the homestead. While regrettable, it is noted that in the 19th and early 20th century, views loward the rear of the homestead would have been considered of lesser significance as these areas represented the day to day operations of the property. The orientation of the mansion to the south, with views across the gardens and the countryside beyond, are representative of the significance of the southern view comidor from the property.



Figure 21 Aerial view of the property and surrounds; the extent of the property boundary, as defined by HO88, is indicated by the red outline. The homestand, consisting of the mansion, gardens and remnant outbuildings are visible. A wind break of Macrocarpa cypress along the driveway are indicated by the red arrow (refer Figure 27), Source: Google Maps, 2010



Figure 22 View across Kilmany Park' taward the homestead complex, looking north-west, from Settlement Road. Note the prominence of the homestead is largely obscured by plantings. The mansion is indicated by the red arrow. The orange brick building to the right is the Recreation Centre (c. 1992) of the former boys' home. Source: Trethowart, 2016

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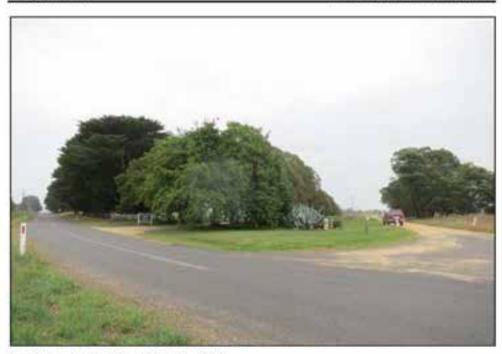


Figure 23 View of the entrance to the main drive to Kilmany Park¹. Note how views of the property are obscured by the sld plantings of Macrocarpa cypress along the readolde and the English Coll bees that forms the entrance. The mail at left is Arriap Read. Source: Trethowan, 2016



Figure 24 View of the main entrance to Kilmany Park'. Note the established English Ouk trees either side of the entry. The Aloo Vers plantings and paling fence are later additions. The avenue of indigenous tree verietles. Leste Drive, is visible in the background. Source: Turbowan, 2018

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Figure 25 View from the conner of Arrup and Settlement Roads, locking along the northern boundary of the property, locking west. Note the deviation of the main thisweary away from the property boundary. The paling fence is a later addition. Source: Trethowan, 2018



Figure 20 View of the adjoining farmland to the north of the property, looking north-west. The rooflines of houses on the adjoining subdivision to the north of this farmland are indicated by the red arrow. Source: Trethoware, 2016

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Figure 27 View of the approach along the main drive, at the mid-point where a wind break of Macrocarpa cypress partially have the approach; looking north-west. Note the sign on the fence indicating the name of the avenue as Leslie Drive. Source: Trethowan, 2018



Figure 28 View of the approach along the driveway, beyond the wind break of Macrocarpa cypress; looking north-west. Note the old stands of gum trees in the paddocks surrounding the homestead. The plants either side of the driveway (Agapanthus) were planted post-1998 by the Page family. Source: Trethowen, 2018



Figure 29 View of the approach along the driveway, below the ascension lowerd the base of the oval embandment and realigned driveway. The silbouette of the mannism is indicated by the red arrow. Source, Trethowan, 2016



Figure 30 View of the approach along the driveway, looking south-east, away from the homestead. Note the difference in the landscape either side of the driveway. The roofines of houses in the newtry subdivision are indicated. Source: Trethowan, 2016

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Figure 31 View of the homestead complex from the top of the oval embanisment, looking west. Note the line of the realigned driveway to the right of the image. The men's quarters are indicated by the red arrow. Source: Treffreeze, 2016



Figure 32 View of the neighbouring insidential subdivision from the top of the oval embantiment, looking north. The nonlines of the bounds in the oubdivision are indicated by the red armse. The dry oppearance of the paddocks immediately above the oval indicate the change in boundary between the property and neighbouring familiend. Source: Trethoean, 2016

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Figure 23 View hore the rear entrance of Kilmany Park' taward the junction of Reid Drive and Arrup Road, looking north. The reof lines of houses in the adjacent subdivision, bordered by Reid Drive and Arrup Road, are indicated by the red arrows. Source: Trethowan, 2018



Figure 34 View of the rear entrance to Kilmany Park', looking south-west. Note the original concrete gate posts dating from the establishment of the Kilmany Park Farm Hame for Boys, c. 1924 (indicated by the red arrows). Source: Trethowan, 2018

5.2 Built Form

The homestead complex at 'Kilmany Park' consists of a variety of single and double-storey buildings of differing uses and construction typologies. These buildings date from the c. 1860s to the mid-1970s. At buildings and structures of significant size within the homestead complex are identified as subject buildings. In light of the age and contribution the formal gardens make loward the homestead complex, including the identified significance of the English Oak (planted by HRH The Duke of Comwall and York), these has also been identified as subject buildings. In order to create a timeline and trace the development of the homestead, the subject buildings are numbered according to their age:

- 1. Meat House (c. 1847-70)
- 2. Men's Quarters (c 1860 / alterations c 1880-81)
- 3. Former Water Tower and Pump House (c.1870-81)
- 4. In-ground water tanks (c.1870-81)
- 5 Racing Stables (c. 1880-81)
- 6. English Oak (c. 1901)
- 7. Mansion (c. 1870-71 / additions and alterations c. 1905-06)
- 8. Gardens (c.1870-1906)
- 9. Entrance Gates (c. 1906-08) and McClelland Memorial Farm dedication plaque (c. 1924)
- 10. Kilmany Park School No. 4240 School house (c. 1927)
- 11. Kilmany Park School No. 4240 Sloyd room (c. 1949)
- 12. Weatherboard house (c. 1930s)
- 13 Recreation Centre (c.1962)
- 14. Spencer House (mid-1960s)
- 15. Williams House (mid-1960s)
- 16 Oval and Leslie Drive (mid-1960s).

The water retention basin, constructed during the property's tenure by the Kilmany Park Farm Home for Boys is not considered a significant feature that assists in interpreting the history or use of the property. As such, it has not been included in the legend or following analysis.



Figure 35 Aerial view of the homestand at Kitmany Park. The legend is outlined in the body text above. The water retention basin is indicated by the red arraw Image source. Google Maps, 2019

5.2.1 Ment House (c.1847-70)

Built after c. 1847, following the purchase of the homestead block by William Pearson, the Meat House would have been built in conjunction with the first 'Kilmany Park' residence, the close proximity of the Meat House to the residence is evident in an early photograph (refer Figure 5). The chimney is a potentially later addition to the building, the detail of the corbeled brickwork comparable with the chimneys of the c. 1870 house in the same early photograph.

Constructed from weatherboard and set low to the ground, the building has a hipped roof dad with galvanised corrugated metal sheet. A metal ridge vent is an early feature. Additional natural ventilation is achieved to the underside the eaves, which are open and lined with chicken wire.

The principal elevation has two door openings: a pair of early insulated timber doors open into the butchery or killing room on the left; a single early insulated timber door opens into the remaining room on the right. Both rooms are naturally lit by small windows, originally lined with wire mesh. Early vents at the base of the principal elevation provide additional ventilation.

Internally, the building consists of two rooms with an open corridor at the mid-point of the building, the western most room is the 'killing room' as seen through suspended metal rails and meat hooks. Both rooms retain their Baltic pine internal linings.

Comment

The building is the oldest extant building within the homestead complex. The location and construction hypology of the building, evident in early photographs, are indicative of its existence, probably prior to the construction of the second 'Kilmany Park house' (c. 1670-71) and certainly prior to the construction of the mansion (c. 1905-06).

While the location of the building within the main gardens is odd, given its status as a back of house function (preparation and storage of meal), it's apparent that the siting of the building was based on the location of the first 'Klimany Park' house, demolished in c 1905.





Figure 35 View of the front (south) elevation of the Meat House. The door at the left leads to the killing room. The door at the right leads to a room with an open five place. Source: Treference, 2016

Figure 37 View of the rear elevation of the Meat House, looking routhwest. The datals of the chimney are indicative of having been constructed c. 1870. Socret: Trefmann, 2016

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5.2.2 Men's Quarters (c. 1860 / additions c. 1880-81)

Located in the north-east corner of the homestead complex, the men's quarters initially consisted of a brick cottage constructed in c. 1860. ⁽²⁾ Between c. 1880 and c. 1894, the building was extended toward the north and west, by 1894 the building described as:

A little distance away are the men's quarters, not the usual hut, but a comfortable brick collage, containing a large dining room and several bedrooms, the comfort of the employees being well attended to. The several bedrooms, the comfort of the employees being well attended to.

Vent details in the gables of the north and west elevations of the cottage are contemporary with those of the racing stables, suggesting their design by the same architect and/or construction during a similar period.

Constructed from overpainted face brick, the men's quarters consist of a gabled roofed collage, with three transverse gables at the rear, diad with Colorbond corrugated metal sheet. Each gable is topped with an original turned timber finial. The principal elevation has three window openings with early double-hung timber sash windows; the rear elevation also has three windows of similar dimensions, design, style and age. The building is entered from a single door off the front verandah, presumably to the dining room described in 1894, with three doors off the rear verandah providing access to bedrooms (also described in 1894). The hipped roof verandahs, with turned posts, run the extent of the front and rear elevations and are paved with red brick in a stretcher bond.

Despite minor alterations, the building largely retains the same appearance documented in the historical image of c. 1906 (refer Figure 13). Alterations include the painting of the building and the rendering of the west elevation, evident in the visible lack of a raised surround to the vent opening. Other alterations include the removal of the corbeiled brickwork from the east chimney of the building; a small skillion roofed addition and secondary chimney at this end of the building have also been removed.

The men's quarters are contained within a small cottage garden of recent origins, as indicated in the c. 1906 image of the building which shows the building surrounded by an open paddock. The earliest reference of the building being contained within a garden is in c. 1945 (refer Figure 18).

The building was not inspected internally in light of its status as a rental property.

Comment

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Early images of the rear yard of the homestead complex indicate that views from the mansion to the men's quarters were tree of visual obstructions, such as trees and fences.



Figure 38 View of the front (south) elevation of the men's quarters. The east end of the building is the extilent, with details indicating it was extended toward the west, c. 1880-81. The door at the left leads to what would have been the original doing soon. Source: Trethowar, 2016

Figure 39 View of the rear elevation of the men's quarters, looking south-east. The ocular vent details in the gables are contemporary with the ocular vent details in the gables of the using statiles, constructed ins, 1980-81. Source: Trethewan, 2010

Halms, Kilmany Park Sale, Review of heritage significance - January 2009, p. 2.

Witnery Park', The Leader, 18 August 1894, pp. 6-7.

5.2.3 Former water tower (c. 1870-81)

Located on the eastern most extremity of the homestead complex, the building was constructed as a water tower, originally supporting three raised water tanks (known as header tanks) above its central section (refer Figure 12 and Figure 16). The water tower was more than likely constructed during the same period of improvements to the homestead which saw the construction of the second 'Kilmany Park' house (c. 1870-71) and the racing stables (c. 1880-81). Water was supplied to the header tanks via an underground 5' pipeline, the 10 chain easement of which extended all the way to the Thomson River, north of the Princes Highway. ⁽¹⁰⁾ The raised nature of the tanks created sufficient gravity to provide a reticulated water supply to the main house. A large pump would have been located in the middle of the central hall at the base of the building, the hall accessed at either end via arched openings. The header tanks were removed from the building after c. 1945 (refer Figure 16).

Constructed from unpainted face brick, originally the building consisted of a raised central section with two skillion roofed flanking wings, the south wing having a brick parapet (refer Figure 16). The roofs of the flanking wings have been extended over the central section of the building following the removal of the header tanks and their associated structure. The former raised central section has two arched openings on both elevations, providing external access to the building. There is evidence that the flanking rooms were originally accessed externally, independently of the central room, however the original openings have been attered. Despite the alterations to the external openings of the building, a series of early double-hung timber sash windows remain.

The central and southern rooms of the building were inspected internally. The central hall retains an original unglazed terracotta biscuit filed floor. The rectangular concrete slab in the centre of the room is indicative of the location of former plant or equipment, likely a large water pump. The southern room has a concrete slab floor.

Comment

While altered, the building retains significant built fabric to the extent that it could be reconstructed to its original built form. Its original function as a water lower, no doubt with a pumping mechanism located within the central room, combined with its age is indicative of potential technological significance. Early images of the rear yard of the homestead complex indicate that views from the mansion to the former water lower were free of visual obstructions, such as trees and fences



Figure 40. View of the front (east) elevation of the former water tower. The openings either side of the central and are atterations of eastier openings. Source: Trethowen, 2010

Figure 41 View of the rear (west) elevation of the former water tower. The central arch is concealed behind a modern brick skillion addition. Source: Tretheman, 2010

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Public Records Office of Victoria, 9993 School Sile No 2 - Kilmany Park Estate Wursuk Wursuk Land Files Estreyn, Closer and Soldier Settlement, 1925-28. VPR5 15762/P000244.

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5.2.4 In-ground water tanks (c. 1870-81)

The homestead complex retains three in-ground water tanks of early date. Located within immediate proximity of the three major buildings in the homestead complex, the mansion (c. 1870-1906), racing stables (c. 1880-81) and men's quarters (c. 1870-81), the water tanks would have been constructed for the storage of water harvested from the rooves of these early buildings. In c. 1906, the water tanks possessed conical comugated metal sheet roofs externally (refer Figure 12 and Figure 13).

The mansion water tank, located immediately behind the building, has a concrete slab roof that replaces the earlier conical corrugated sheet metal roof evident in c. 1906 (refer Figure 12). The current roof was installed after c. 1945 (Figure 16).

The stables water tank, located to the right of the entrance front of the building, retains a conical corrugated metal sheet roof. The details of this roof, comparable with earlier images of the structure (refer Figure 12), indicate that it was constructed prior to c. 1906.

The Men's Quarters water tank has a concrete slab roof that replaces the earlier conical corrugated sheet metal roof evident in c. 1506 (refer Figure 13). The current roof was likely constructed in line with the new roof installed to the mansion water tank.

The water tanks were not inspected internally.

Comment

While the majority of these structures have had their appearance altered above ground, the structures retain significant built fabric below ground with the ability for the altered elements above ground to be reconstructed to their original built form. Retaining their original function as water storage tanks, they represent an integral element of the homestead complex dating from the Pearson family's lenure.





Figure 42 View of the water tank on the entrance front of the ranking utables. Note how the tank retains its early conical cover. Source: Treftowan, 2016

Figure 43 View of the water tank at the rear of the mansion. The concrete cover to the tank is a later addition. Source: Trethewan, 2010



Figure 44 View of the water tank on the west elevation of the Merr's Quarter's. The concrete cover to the tank is a later addition. Source: Trethowan, 2016

5.2.5 Racing Stables (c.1880-81 / alterations c. 1945)

Built in 1880-81 to a design by local Sale architect J H W. Petiti, the building was commissioned by William Pearson (Senior) and constructed by local Rosedale builder William Allen. The central section of the building was destroyed by a grass fire in 1944; the structure remained in ruins by c 1945 (refer Figure 16).

Constructed from expressed red face brick, the building consists of three large gable roofed buildings arranged around, what was originally, a central forecourt (refer Figure 12). The roofs are clad with corrugated asbestos sheet. Alterations to the building include the reconstruction of the rear (north) elevation, infiling of the central forecourt, and the construction of a galvanised corrugated metal sheet skillion at the end of the east wing of the building. While a concrete trough, and associated sliding door, are later additions to the east wing of the building, the concrete trough is not evident in c. 1906 (refer Figure 12) it does appear a structure of some age. While reputedly used for 'the servicing of carriages or vehicles', ⁽¹¹⁾ it is more probable the trough was utilised as a horse bath given its depth, raised edges and the building's continued utilisation as a thoroughbred horse stable by William Pearson (Junior).

The building was not inspected internally, however previous inspections have been undertaken by preceding consultants and have been described accordingly (refer David Halms Heritage Planning + Management, Ritmany Park Sale: Review of heritage significance, January 2009)

Comment

While significantly altered, the building retains integrity within those original sections of the building that remain. The previous arrangement of the building, around a central forecourt, combined with painted fencing, are indicative of the formal arrangement the building previously enjoyed with, albeit the rear, of the mansion. Later structures (in the old forecourt) and plantings, in the foreground, of the stables impact upon this formal relationship. Further additions, in the form of the corrugated metal sheet addition, are somewhat concealed from the principal elevation but none the less impact upon the appreciation of the building in the round'.

The building has architectural significance, in light of its design as a stables complex by a notable regional architect. However, there is the potential for considerable social significance in light of its early design specifically as a racing and thoroughbred stable and the notability of William Pearson (Senior) within the establishment years of the Melbourne metropolitan racing clubs, including the Victorian Racing Club (VRC).





Figure 45 View of the principal (usuft) elevation of the former Racing Stables, locking north. The forecourt between the two flanking energy has been rollied with a later structure Source. Treftneen, 2015

Figure 46 View of the east elevation of the former racing stables. The concrete trough, and skillion roofed shed at left, are later additions. Source: Trethowan, 2016

Helms, Kilmany Park Sale, Review of heritage significance – January 2009, p. 3.

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Figure 47 View of the year (north) elevation of the former racing stobles. The skillion nosfed building at left is a later addition. Source: Treftoware. 2016



Figure 40 View of the west elevation of the central block (at left) and north elevation of the west wing of the former racing stables, looking south. Despite the early fire damage to the central block, the side elevations rated the integrity of the original structure. Source: Trethewan, 2016

5.2.6 The Comwall and York Oak' (c.1901)

The English Oak tree was planted by HRH The Duke of Cornwall and York, later King George V, in c. 1901 on the occasion of his visit to 'Kilmany Park'. The Duke's visit coincided with him opening the first Commonwealth Parliament at the Royal Exhibition Buildings, Melbourne in the same year. For the benefit of this analysis, the tree is referred to as 'The Cornwall and York Oak' to discern it from other Oak trees located elsewhere in the gardens.

A copper tablet at the base of the Oak, erected by representatives of the Victorian Bowling Association in February 1935, indicates 'This Oak Tree was planted by His Majesty King George V when visiting Kilmany Park as H.R.H. The Duke of York on 15th May 1901' (refer Figure 50).

Comment

The significance of 'The Comwall and York Oak' tree has been previously identified, resulting in its inclusion within an individual heritage overlay on the Schedule to the Heritage Overlay of the Wellington Planning Scheme, HO151 – Oak Tree.



Figure 49 View of The Comwall and York Oak', looking south. Source: Trethowan, 2016

Figure 50 View of the copper dedication tablet at the base of The Cornwall and York Oak'. Source: Trethowan, 2018

5.2.7 Mansion (c. 1870 / additions and alterations c. 1905-06 / minor alterations c. 1948)

The mansion at 'Kilmeny Park' was commissioned by William Pearson (Junior) and constructed in c. 1905-06 to a design by pre-eminent Melbourne architects Harry B. Gibbs & Finlay Architects. The mansion involved the remodalling and extension of an earlier house, commissioned by William Pearson (Senior) and constructed in c. 1870-71 to a design by Sale architect J.H.W. Petit. In 1948, during the mansion's tenure as the Kilmany Park Farm Home for Boys, minor alterations were undertaken to the mansions kilchen to a design by Melbourne architect Keith Reid.

Retaining sections of the earlier 1870-71 house on the property, constructed from overpainted tuck-pointed brick, the majority of the mansion consists of that built in c. 1905-06. Constructed from rendered brickwork with applied cement decoration, the mansion is a significant two-storey building with decorative chimneys and a galvanised corrugated metal sheet dad roof. Executed in a conservative interpretation of Classical style architecture, the principal elevations of the mansion consist of the south (entrance front) and east (garden front) elevations. The west elevation consists of a secondary garden front whereas the rear elevation (north) addresses a rear yard framed on the opposite side by the stables. The south elevation is defined by a central bay that is adorned with a series of decorative cement pediments at ground and first floor levels, the ground floor pediment surmounting a four-bay arrangement of decorative stained and leadight windows; the firstfloor pediment topping what appears an arcaded balcony, the whole arrangement in-turn surmounted by a monumental stepped parapet. From this central bay, an arcaded loggia at ground floor level and an upper level ancade, with segmental arches supported on cast iron ediums, extend along the extent of the south elevation, continuing along the east and west elevations. On the garden front, attention is drawn to a large stained and leadight glass bay window that is centred on the elevation at ground floor level.

Internally, the mansion presents as a unified interior containing multiple notable features, indicative of the Art Nouveau influence on its interior decoration. At ground floor level, the entrance vestibule opens into a double height stair hall, the two areas separated by decorative plastenwork columns with bas relief details to dado height. The columns support an entablature of equally detailed bas relief features, the decoration of which incorporates a comice that extends the perimeter of both rooms. All the centre of the hall, an elaborate timber staincase with timber panelling extends through the middle of the house and is overlooked by a gallery at first floor level. At right, the stair hall opens into the drawing room through an elaborate door case and doors, the drawing room retaining significant features including a fretwork screen with decorative wrought iron lanterns that frame a leadlight bay window. At left of the stair hall, the current billiard room is entered through an equalty elaborate door case and doors, the room containing early features including joinery and decorative ceilings. All the rear of the stair hall, a comidor provides access to the dining room and the remainder of rooms on the ground floor which retain significant features, including a fretwork screen and bay window with leadight glass in the dining room; and joinery, martie and timber mantle pieces and decorative ceilings to the eneminder of the rooms. At first floor level, the rooms incorporate bedrooms and retain early features including joinery, marble and timber mantle pieces, leadlight glass and decorative ceilings. There have been few significant alterations to the interior since its completion c. 1906, however no original bathrooms, kilchens or service areas survive intact.

Comment

The mansion is a significant country house, notable for its size rather than the skill of its architectural composition, internally, the interiors are a complete and highly notable example of the Art Nouveau turn of the century style and taste. The significance of the interiors lie in the extent, quality and profusion of stained and leadight glass, decorative plaster work ceilings and columns, timber joinery (including fretwork screens, stair case and decorative paneling, balustrade and gallery; and door cases and surrounds) and decorative metal work lanterns in the drawing room.



Figure 51 View of the garden and entrance fronts of the mandon, looking north-west. Source: Trethowan, 2016



Figure 52 View of the entrance front of the mansion, looking northwest. Source: Trethowan, 2016

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Figure 53 View of the secondary garden (west elevation) and entrance fronts of the mansion, looking north-west. Source: Treftower, 2016 Figure 54 View of the mar (north) elevation of the mansion, looking south. The concrete stats in the foreground replaces the contract cover of the in ground water tank visible in early Enages. Source: Trethowan, 2016



Internal view of the stair hall from the entrance vestibule, looking through to the entrance to the drawing room. Source: Trethowam, 2016 Figure 55



Figure 56 Internal view of the entrance ventibule from the stair hall, The original stained glass and plastereork are of note. Source: Trethowan, 2016



Figure 57 Detail view of the Drawing Room bay window and heteoric screen, looking east. Note the original wought iron lantens. Source: Trethowen, 2016



Figure 58 Internal view of the Dining Room, looking east. The original timber manife piece (at right) and plasterwark are of note. Source: Trethowan, 2016

5.2.8 Gardens (c.1870-1906) and landscape setting

The gardens of the homestead, in their current arrangement, were laid out in conjunction with the construction of the second Kilmany Park' house from c. 1870.

In 1894, a feature on "Kilmany Park, in The Leader newspaper, gave the following description of the homestead:

The homestead at Kilmany Park is a fine large brick building erected on one of the highest points of the estate and commanding a pretty and extensive view of the neighbouring country. It is surrounded by a fine old orchard and garden, containing some of the largest fruit trees I have ever seen, one cherty tree in particular having a trunk as large as an average sheack [sic]. Mr Pearson's [senior] old favourite, Commotion, one of the atortest [sic] and best racehorses ever bred in Australis, is builed in this garden.¹⁷²

In c.1905-06, the current formal arrangement of the garden was established with the creation of the elliptical front lawn at the centre of the driveway. Surrounded by a roughcast render retaining wall, a small inset stair, framed with Arts and Crafts inspired cement spheres, align with the centre of the entrance front of the mansion. Cement curbing to the remainder of the garden paths replaced an earlier angled brick edging, apparent in c. 1905 (refer Figure 8). The brick edging remained in place following the opening of the Kirmany Park Farm Home for Boys in 1923 (Figure 17). The interment of the famous racehorse 'Commotion' (d. October 1893) within the gardens, including the remains of Helen Pearson (1893-1975).

Sloping away from the house, the gardens, on the south front of the house in particular, have been designed to frame and therefore incorporate views of the surrounding landscape. This has largely been achieved through the placement of the elliptical front lawn tramed by symmetrical plantings of Ceders (a Blue Atlas and a Himalayan Ceder) which would have originally drawn the eye of the viewer to the wider landscape and the former land holdings of the Pearson family, it is noted that this view is now partially obscured by low-lying branches of these trees. Elsewhere, the garden incorporates multiple plantings of exotic tree specimens, including: English Oak, Bunya Bunya Pine, Hoop Pine, Haztenut, Monterey Cypress, Bhutan Cypress, Japanese Spindle-wood and Norfolk Island Hibiscus amongst others.¹⁷⁷ On the east front, the mansion was previously approached through open peddocks, however now incorporate a large fawn which also opens to the wider landscape.

Comment

The formal gardens retain a high degree of integrity. The central elliptical lawn with roughcast render relaining walls and cement curbing (c. 1905-06) are a significant feature. Concrete curbing to the remainder of the garden, while constructed after 1923, are appropriate given the early use of cement curbing in the layout of the garden. While the majority of original and early plantings exist largely in established tree form, smaller plantings throughout the gardens (inc. roses, lavender and various succulents), while recent, are appropriate to the garden's setting.

Within the context of the wider landscape, the elevated location of the homestead above the surrounding plains results in the surrounding landscape making a significant contribution to the gardens. This is largely within the context as a backdrop to views framed by early plantings of trees. The wider landscape also provides a significant contribution to the sense of arrival at the homestead, and its location on the elevated promonlory above the surrounding low-lying paddocks.

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Kilmany Park', The Leader, 18 August 1894, pp. 6-7.

John Hawker, Heritage Victoria, Kilmany Park, Sale - Plant Survey, 20th March 1997, p. 1,

'Kilmany Park', 1613 Settlement Road, Wumuk



Figure 59 View of the parties front of the house, looking across the easy laws developed by the Page family. The Cell trees, indicated at left, from the driveway extremce into the formal parties wea. Source: Trethowan, 2016



Figure 60 View of the entrance hant of the mansion, looking west, Note the formal annappenent of the original pardens with relation to the entrance front of the mansion. Source: Trethower, 2016



- Figure 81 View from the formal gorden between the two English Oak that frame the diversary, looking east. Note how the trees perform the dual purpose of fitming views of the wider landscape, in addition to that of the formal garden. Source. Trethowen, 2016
 - Figure 52 View from the circular driveway, at the work and of the elliptical lawn, tooking south. Note how the wider landscape creates a backdrop to the farmal garden Source: Trethewan, 2016





Figure 63 View of the water landscape from the first floor colonnade of the mansion, looking east. Note how the amargament of the bees frame wider views of the landscape from the mansion. Source: Trethowan, 2016

Figure 64 View of the wider landscape from the first floor colonnade of the manuon, looking couth. The terraced nature of the elliptical laws would have enabled unintercepted views to the wider landscape. Source: Tretherwan, 2018

5.2.9 Entrance Gates (c.1906-08) and McClelland Memorial Farm dedication plaque

Reid Drive would have originally formed an internal farm road, connecting the homestead at "Kilmany Park" with the Princes Highway. The road served as a farm entrance while the main entrance off Settlement Road provided access to the mansion during its time as a residence.

Following the Closer Settlement of the greater property, the farm entrance became one of a network of multiple rural roads across the former estate that now serviced multiple smaller farms. The entrance to the homestead is demarcated by two roughcast render concrete posts with decorative cement cappings. The use of this entrance, in lieu of the main driveway, may have been necessitated following the opening of the Kilmany Park Farm Home for Boys in 1924 and the closer proximity of the entrance to the Kilmany Railway Station. In this instance, the construction of a more elaborate entry would have necessitate the erection of the piers by 1924, as detailed in the bronze dedication plaque denoting the name of the farm as the 'McClelland Memorial Farm' p

Comment

The gateposts and dedication plaque are significant. The posts demarcate the north-west extent of the homestead complex, while denoting the main entrance to the homestead during its tenure as the Kilmany Park Farm Home for Boys. The nature of the gateposts as a memorial is important in demonstrating the various financial bequests provided to the Home in its early years.



Figure 65 View of the rear entrance to the homestead, at the end of Reid Drive. The roughcast render and consent capital gate posts have the entrance. Secure: Trafforeign 2016



Figure 66 McClelland Memorial Farm. Given by his parents in memory of Thomas Hugh McClelland 1907-1924. The brance memorial plaque and concrete pateposts at the Reid Drive entrance to "Kitmany Park", indicating the gift of the farm at the Home to the institution by a Mr and Mrs McClelland in memory of their son Thomas Hugh McClelland. Source: Trethowan, 2016

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5.2.10 Kilmany Park School No. 4240 - School house (c.1927) and Sloyd room (c.1949)

The Kilmany Park School No. 4240 was established at the entrance to the Kilmany Park Farm Home for Boys in c. 1927. The school was established as a result of the number of boys accommodated at the Home, therefore justifying their own school. The school was not exclusively for the use of the children at the Home and as such, it is presumed, the school was located at the edge of the homestead complex within easy access of children from surrounding farms. The school included both a school house (refer Figure 67) and a Sloyd room. The original Sloyd, or woodwork, room was destroyed by fire in c. 1944. The present Sloyd room, designed by prominent architect Percy Everett when Chief Architect of the Public Works Department, was designed in c. 1949 and completed by c. 1955 (refer Figure 68). Originally, the School was contained within its own fenced grounds, the south and west boundaries of the grounds bordered by a line of trees (refer Figure 16).

The school house consists of a symmetrical weatherboard diad building with a corrugated metal sheet roof with projecting eaves. The building has two unpainted brick chimneys at the north and south ends, further enforcing this symmetry. The end walls of the building, on the north, east and south elevations, retain large banks of original windows with hoppers. Unlike the school house, the Stoyd room is a simple rectangular building with a corrugated sheet metal clad roof. The principal (north) elevation consists of four bays, with one accommodating the entry and the other tail sets of windows. This fenestration arrangement is replicated on the south elevation, with a fourth window in lieu of a door.

The buildings are maintained amongst manicured grounds with garden beds to the base of the school house walls. All fencing and screen plantings associated with the earlier appearance of the School grounds have been removed.

The building was not inspected internally in light of its status as a rental property. Descriptions of the building interiors are provided in the previous heritage report Kilmany Park Sale – Review of heritage significance – January 2009; (David Halms Heritage Planning + Management); refer Appendix C.

Comment

The former Kilmany Park School No. 4240 and its individual buildings are of contributory significance to the homestead complex. While providing an understanding of their use within the overall structure of the former boys' home, the somewhat displaced location of the buildings on the edge of the homestead complex, indiuding evidence of their visual separation from the homestead using fencing and screen plantings, indicate that they did not form an integrated relationship with the boys' home, most likely a result of the school's status as a government-run state school.



Figure 67 View of the former school house, from the main entrance to Figure 68 homestead complex, tooking south-east. The Stoyd room is visible to the left of the school house. Source: Treftowar, 2016



are 68 View of the principal front of the Sloyd room, looking mouth Source, Trethowan, 2016

5.2.11 Recreation Centre (c.1962)

The Recreation Centre was constructed in c 1952. Presumably designed by notable Melbourne architect Keith Reid, in light of his previous work at the Home in the late 1940s and considerable catalogue of work for the Presbyterian Church of Victoria, including St. Columba's Church, Sale (1958). The building was opened in 1962 by Councillor John Lestie, J.P., Mayor of Sale, the Lestie family having a continuous involvement with the Kilmany Park Farm Home for Boys from its inception until its dosure. A brass dedication plaque at the south entrance to the building indicates:

This Recreation Centre built from The R.M. Ainslie Bequest was opened on 25th August 1962 by Cr. John Leslie J.P. Mayor of Sale whose family has served the home for three generations (refer Figure 70).

The Recreation Centre is a simple unpainted expressed brick building with a central hipped roof section flanked by skillon roofed aisles that extend the length of the building. The roof of the buildings are diad with corrugated metal sheet. The building has low-level derestory windows along the flanking skillons with high level derestory windows above roof level of these skillions. The design of the east and west elevations of the building, indude engaged brick plasters with low parapets, drawing parallels with the design of the adjacent former racing stables (c.1880-81).

Comment

The building represents one of the last capital investments in the Kilmany Park Farm Home for Boys and makes a contribution toward understanding the philanthropy that informed the operations of the Home up until its closure. This is in light of a dedication plaque (refer Figure 70) detailing its construction as a result of a bequest (the R.M. Ainslie Bequest) and its opening by Councillor John Leslie. The documented role of the Sale-based Leslie family, from the inception of the school to its closure, is also worthy of note.

Attributed to architect Keith Reid, the design intent of the building, which includes blind walls with engaged plasters, are reminiscent of the execution of the adjacent racing stables and an attempt to respond to the existing built context of the homestead complex; thereby suggesting the role of an architect. While attributed to Keith Reid, the building is not considered a work that is comparable with the successful designs achieved in many of his regional ecclesiastical buildings for the Presbyterian Church, predominantly churches, throughout Victoria.



Figure 68 View of the Recreation Centre, looking south-east. The sampy over the entitance on the left o a later addition. Note the engaged brick planters of the west elevation. Source: Trefmann. 2016

Figure 70 View of the dedication ploque of the Recreation Centre, next to the south entrance. Source: Trethowan, 2016

5.2.12 Oval and Leslie Drive avenue

The main driveway to the homestead was commissioned by William Pearson in May, 1903. The main entrance to the driveway off Settlement Road is framed by two English Oaks, the remainder of the drive extended on more or less and straight line, through open paddocks, toward the homestead.

During the mid-1960s, a concerted works campaign of improvements were undertaken at the Kilmany Park Farm Home for Boys by the Home's last superintendent, Eric Frith. This included the planting of the main driveway with assorted tree species, the new averue named Leslie Drive in honour of the Sale-based Leslie family under whose philanthropy the Home had benefited. Further works included the construction of a large ovai to north-east of the mansion, the earthworks requiring the diversion of the main drive around the southern edge of the new oval.

Given the instigation of these projects at the end of the Home's functional life, the avenue in particular appears not to have been maintained at a standard that would be typically associated with a continuously functioning institution. This is seen in the stunted growth and general condition of the trees along Leslie Drive. The oval is maintained as an extension of the large lawn on the east front of the mansion.

Comment

The oval provides insight into the life of the boys who resided at the home and the social activities undertaken by them during the homestead's tenure as the Kilmany Park Farm Home for Boys.

The main driveway and its entrance between the two English Oaks off Settlement Road is considered important. The driveway and Oak trees represent those works undertaken by William Pearson in 1903. While the age of the later avenue, Leslie Drive, and the indigenous nature of the plantings incorporated within do not conform to the early formality and European species of the initial design intent established by William Pearson in 1903, the avenue none the less defines the approach to the homestead complex at 'Kilmany Park'.





Figure 71 View along Letile Drive, looking couth-east. Source: Trethowan, 2016

Figure 72 View across the eval to the homestead, looking west. Source: Trethowan, 2010

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5.2.13 Caretakers and labourers houses (c.1930s - mid-1960s)

The variety of free-standing houses located to the periphery of the homestead complex, from the Inter-war and Post-war periods, were constructed during the tenure of the Kilmany Park Farm Home for Boys. Two of these houses are individually known as "Spencer House" and Williams House' (refer Figure 74 and Figure 75).

Subsequent subdivision has seen the houses incorporated on separate Mes, resulting in separate addresses

Comment

The houses are not considered significant. Architecturally, they are not significant as they represent a standard residential housing typology, examples of this type of housing are located throughout suburban Australia. In addition, the buildings show no indication of responding to the larger structure of the former Kilmany Park Farm Home for Boys or specific relationships with other buildings within the homestead / boy's home complex. Socially, the houses are not significant to understanding the function of the Kilmany Park Farm Home for Boys.





Figure 72 View of the weatherboard house, looking south, from the rear drivewary into the homestaxed complex. Source: Trebtowan, 2016

Figure 74 View of Spercer House', looking south-east, from the rear driveway into the homestead complex. Source: Trethowan, 2010



Figure 75 View of Williams House', looking north-east, from the from the bornestead complex. Source: Trefhowan, 2016

6. Analysis

The Analysis consists of three components:

- Assessment of the ascribed significance of the heritage overlay
- Identification of significant elements within the heritage overlay
- · Review of the extent of the heritage overlay; and
- Subdivision potential of the property with relation to the extent of the hentage overlay.

7. Assessment of Heritage Significance

7.1 Analysis of findings with relation to the ascribed significance of the heritage overlay

7.1.1 Current Statement of Significance

The current Statement of Significance indicates that 'Kilmany Park' is of historical and aesthetic significance to the Wetlington Shire and the Gippsland region. Subsequently, it has been indicated as being of 'State' significance (refer Section 3 – Heritage Listings and Controls).

Historically, this significance is based on the associations of the property with the pastoral settlement of Gippsland in the mid-19th century and the property's ability to demonstrate the status of pastoralists within Gippsland society. These historic associations include those with the Pearson family and their influence in local and Victorian commerce and politics.

Aesthetically, the classically derived mansion on the property, with a multitude of external details being evidence of this architectural pretension, and a variety of Art Nouveau inspired plaster and decorative elements, is notable as one of 'the last conservative Classical mansions erected in Victoria'. ⁽¹⁾

7.1.2 Analysis of findings

These findings have been analysed in accordance with the assessment criteria and guidelines endorsed by Hentage Victoria. The analysis is outlined below.

The property demonstrates importance to the course or pattern of Victoria's cultural history (Criterion A) for

- Its status as one of the earliest pastoral properties established in the Gippsland region and formerly one of the largest in the State of Victoria, at its zenith in the early 20th century.
- Its associations with the Pearson family, one of the more important 'squattocratic' Victorian pastoral families of the late-19th and early 20th centuries.
- One of the earliest professional thoroughbred horse racing studs established in Victoria (c.1880-81), the centre
 piece being the stable block designed by architect J.H.W. Petit.

The property demonstrates possession of uncommon, rare or endangered aspects of Victoria's cultural history (Criterion B) for:

 The stables as an early example of architect-designed horse racing facility (c. 1880-81; architect J.H.W. Pettit), despite its aftered state

The property demonstrates importance in demonstrating the principal characteristics of a class of cultural places/objects (Criterion D) for:

- The classically derived mansion, being a substantial residential project completed by the pre-eminent Melbourne architecture firm of Gibbs and Finlay, being more widely known for their commercial architecture (predominantly banks).
- The classically derived mansion as one of the last and most outstanding examples, in scale and detail, of a Federation-era country house in Victoria.
- The significant Art Nouveau interiors of the mansion, the composition of the whole being to a high level of detail and retaining the vast majority of this detail.

Wellington Shire Council, HERMES database record no. 129082, Place Citation Report Kilmany Park', p. 2.d

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The property demonstrates importance in exhibiting particular aesthetic characteristics (Criterion E) for:

- The significant Art Nouveau interiors of the mansion, the composition of the whole being to a high level of detail and retaining the vast majority of this detail.
- The homestead complex and relationship within the wider landscape setting of parkland and surrounding pastoral land.

The property demonstrates strong or special association with a particular community or cultural group for social, cultural or spiritual reasons (Criterion G) including:

- Representation of the role of the squatocracy in Victorian society during the late 19th and early 20th century and their role, and perceived role, within community life, including as representatives within state partiament, local council and charitable work.
- Hosting of part of the official royal visit of HRH The Duke of Comwall and York (later King George V) on the
 occasion of the opening of the first federal partiament at the Royal Exhibition Buildings, Melbourne, in 1901.
- Representative of the displacement of many large land owners during the early 20th century as a result of the Closer Selflement Scheme.
- The association of the property with the Presbylerian Church of Victoria and its adaptation as a boys' home, the Kilmany Park Farm Home for Boys, from 1923 until 1978.

Criterion C, F and H have been found to be not applicable in this case.

On the basis of this analysis, 'Kilmany Park' can be considered to be of historical, architectural, aesthetic and social significance to the State of Victoria.

7.2 Review of the extent of the existing heritage overlay

The following review of the extent of the heritage overlay relates to the extent of heritage overlay HO68 – Kirnany Park, no review of heritage overlay HO151 (Oak Tree) is proposed. The review of the extent of heritage overlay HO68 is based on an analysis of those elements identified as being significant and the grading of those elements accordingly. The grading utilised are:

- Primary elements, being those elements identified as being intrinsic to understanding the significance of Killmany Park'.
- Contributory elements, being those elements that contribute to the understanding of the significance of 'Kilmany Park'.
- No significance, being those elements that do not form part of the understanding of the significance of 'Kilmany Park'.

7.2.1 Primary elements

Those elements considered of primary significance relate to the development of the homestead complex by the Pearson tamily from the mid-19th century, with further improvements undertaken during the early 20th century, and the setting of the property.

Bements of primary significance include:

- Various 19th and 20th century buildings and structures of the homestead complex, including:
 - Federation-era mansion and interiors.
 - Late-Victorian racings stables.
 - Mid-Victorian meat house, with extant internal fittings and futures.
 - Mid-Victorian men's guarters (with late-Victorian additions).
 - Late-Victorian former water tower.
 - Mid-Victorian in-ground water tanks.

Visual connections between the mansion, outbuildings and various elements of the homestead complex, including:
 Service area at the rear of the mansion.

- Late-Victorian racings stables.
- Mid-Victorian meat house, with extant internal fittings and futures.
- Mid-Victorian men's guarters (with late-Victorian additions).
- Late-Victorian former water tower.

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Formal gardens, including:

- Victorian-era plantings, including sizeable exotic specimens.
- The Comwall and York Oak' (HO151 Oak Tree).
- Federation-era formal landscaping, including
 - Eliptical lawn.
 - Visual relationship with the wider landscape which has been designed to form a backdrop to the elliptical lawn.
 - Symmetrical placement of cypress trees that frame the backdrop of views to the eliptical lawn.
- Visual connections between the homestead complex and the wider landscape, induding:
 - Views of the homestead on arrival from the driveway.
 - Wews from the homestead to the surrounding landscape.
- Main driveway (c. 1903) and the formal approach to the homestead from Settlement Road, a sense of arrival within the formal homestead complex, including
 - English Oak trees denoting the entrance to the driveway off Settlement Road.
 - Remnant plantings of lines of Macrocarpa cypress, denoting the former structure of paddocks surrounding the homestead.
 - Remnant stands of old Eucelypts, being a reminder of the indigenous vegetation of the area.

7.2.2 Contributory elements

Those elements of contributory significance relate to the subdivision of the 'Kilmany Park' estate for Closer Settlement from the early 1920s and the redevelopment of the homestead complex as the Kilmany Park Farm Home for Boys from 1923, until the Home's closure in 1978.

Bements of contributory significance include:

- Buildings associated with the Closer Settlement of the area, including
 - Kilmany Park School No. 4240, including the school house and the Sloyd room, the design of the Sloyd room is a variation of that designed by Chief Architect of the Public Works Department, Percy Everett.
- Buildings and structures associated with the former Kilmany Park School No. 4240, including:
 - Early-20th century 'McClelland Gate Posts' and dedication plaque (c. 1924), at the rear entrance to the homestead complex; off Reid Drive.
 - Kilmany Park School No. 4240, including the school house and sloyd room.
 - Recreation Centre (c. 1962), attributed to modernist Melbourne architect Keith Reid.
- Leslie Drive (c. mid-1960s), being the avenue of trees along the main driveway, for its contribution to a sense of arrival at the homesteed complex despite their later date.

While contributory elements do reflect the charge and development of the property after its sale by the Pearson family, they do not directly contribute to the property's significance and need not necessarily be retained either in part or in full.

7.2.3 No significance

Bements that are of no significance to 'Kilmany Park' include:

- Views to the homestead from the surrounding landscape are not considered to be significant given the homestead is not highly visible from Settlement Road.
- Caretaker and labourers houses, associated with the Kilmany Park Farm Home for Boys and dairy farming activities undertaken by the Presbyterian Church of Victoria.

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'Kilmany Park', 1613 Settlement Road, Wumuk



Figure 78 Analysis of significant view lines within the immediate context of the homestead complex. The red armaes denote view lines of primary significances, being those views between significant buildings in the homestead complex, views from the homestead to the wider landscape and views to the homestead from the main drivewary. Source: Geogle Maps. 2016



Figure 77 Analysis of significant view lines within the boundaries of the larger property, including views along the main diverway and fram the homestead to the widw landscape. The extent of the heritage overlay HD68 is outlined in red. Source: Google Maps, 2018

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'Kilmany Park', 1613 Settlement Road, Wumuk



Figure 78 Analysis of significant view lines overlaid with a potential realignment of the boundary to the heritage overlay. Source: Google Maps, 2016

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8. Concluding Comments

The 'Kilmany Park' estate at Wurruk, near Sale, constituting the area contained under heritage overlay HO68 on the Schedule to the Heritage Overlay of the Wallington Planning Scheme, is of significance to the State of Victoria.

"Kilmany Park' incorporates a substantial land area including the homestead complex, developed from the mid-1840s until the early 20th century by the Pearson family, a significant pastoral, horse racing and political family within the history of the State of Victoria. Following the disposal of the homestead by the Pearson family in the 1920s, the homestead was repurposed as a boys' home, the Kilmany Park Farm Home for Boys, with multiple buildings constructed in conjunction with this new function.

While the property is considered of significance to the State of Victoria, it is noted not all land and buildings within the heritage overlay contribute to the understanding of this significance. On this basis, it is recommended that the extent of the heritage overlay be reviewed to include only those elements that contribute to the significance of 'Kilmany Park'. Such a review should only be considered on the basis of specific guidelines being established to facilitate works both within the curtilage of the heritage overlay area and within the proximity of the heritage overlay area (refer Section 9. Recommendations).

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'Kilmany Park', 1613 Settlement Road, Wurruk

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Recommendations

9.1 Realignment of the boundary to heritage overlay HO68

It is recommend that the boundaries of the heritage overlay area be realigned to include only those elements identified as significant to heritage overlay HO68.

In light of the proposed realignment of the heritage overlay, it is recommended that the existing alignment of the main driveway from Settlement Road to the 'Kilmany Park' homestead be retained as a primary access road within any proposed subdivision. The primary access road could be planted with appropriate tree species to denote a continued sense of arrival at a new entrance to the main drive to the homestead complex. The primary access road would provide access to secondary access roads only; the secondary roads would provide access to residential properties of the subdivision.

The two English Oaks currently traming the entrance to the main drive should be retained as part of any subdivision proposal. This is in light of them constituting the only early formal planting associated with the construction of the drive.

9.2 Recommended guidelines for the development of land adjoining heritage overlay HO68

Given the impending subdivision of land in the immediate proximity of the heritage overlay area and the intrusive nature of the already existing subdivision development, it is recommended that a series of development controls be put in place to ensure that works related to any neighbouring subdivision do not have a negative impact on the heritage significance of HO68. Controls should include but not necessarity be limited to the following:

- Subdivision allotment sizes [0.5 acre (2000m2) or more].
- Boundary fences (should be rural in character with no standard paling fences).
- Building controls to houses and any outbuildings (houses to be single storey with attics only and/or with hipped or gabled roofs; outbuildings to have hipped or gabled roofs).
- Street lighting
- Landscaping.

9.3 Recommended guidelines for the development of land within heritage overlay HO68

A series of guidelines should be put in place to retain the significance of the heritage overlay area.

In addition to applying the general heritage overlay controls and guidelines encapsulated within the Wellington Planning Scheme, guidelines should include but not necessarily be limited to the following:

- Subdivision within the heritage overlay area should be sensitively managed.
- Fences between properties located within the heritage overlay area.
- Roadways within the heritage overlay area.
- Street lighting
- Landscaping.

'Kilmany Park', 1613 Settlement Road, Wurruk

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'Kilmany Park', 1613 Settlement Road, Wumuk

10. Appendices

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'Kilmany Park', 1613 Settlement Road, Wurruk

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'Kilmany Park', 1613 Settlement Road, Wumuk

10.1 Appendix A - Citations for Statutory Listings

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'Kilmany Park', 1613 Settlement Road, Wurruk

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Significance Level State

HERITAGE CITATION REPORT

Name	Kilmany Park
Address	Settlement Road Wurruk
Place Type	House
Citation Date	2005



Kilmany Park

Recommended VHR - HI - PS -Heritage Protection

History and Historical Context

William Pearson, 'resolute Scot, successful pastoralist, politician and mining entrepreneur', took up Kilmany Park at Sale in September 1841 at a time when East Gippsland was virtually unoccupied and it became one of the first pastoral estates in this part of Victoria. Pearson built the original timber single storey homestead in the 1840s and his son William junior erected the substantial stuceo rendered two storey mansion house adjacent to the original homestead in 1901-06 in a late conservative Classical style. (1)

The status of the Pearsons within Australian society was illustrated by the visit to Kilmany by the Duke of York (later King George V) on 15 May 1901. He planted an English Oak to mark the occasion (2). The Duke had come to Australia as the King's representative to open the first Federal Parliament in Melbourne.

'Kilmany Park' at Sale has been adapted as a home for boys and conducted by the Presbyterian church since 1923. The arcade has been almost completely enclosed and the interior converted to dormitory Accommodation. (1)

Kilmany Park Hermes No 128082 Place Citation Report 24-Feb-2016 1

10:45 AM Page 1

Not inspected during the Wellington Heritage Study: Sale Review (2004). See also place record for the English Oak in this Study (Place ID 1468).

REFERENCES (1) Register of the National Estate, Place ID 004772 (2) National Trust of Australia (Victoria) Register, T11099

REFERENCES Context Pty Ltd, 2004. Wellington Heritage Study: Sale Review

Description

Physical Description

Scottish pastoralist William Pearson took up Kilmany Park at Sale in September 1841 at a time when East Gippsland was virtually unoccupied. Pearson built the original timber single storey homestead in the 1840s and his son William junior erected the substantial stucco rendered two storey mansion house adjacent to the original homestead in 1901-06 in a late conservative Classical style. (RNE 004772)

'Kilmany Park' at Sale has been adapted as a home for boys and conducted by the Presbyterian church since 1923. The arcade has been almost completely enclosed and the interior converted to dormitory Accommodation. (RNE 004772)

Not inspected during the Wellington Heritage Study: Sale Review (2004). See also place record for Quercus robur at Kilmany Park, place id. 1468.

Statement of Significance

Kilmany Park is of considerable historical and aesthetic significance to Wellington Shire and the Gippsland region. Historically, it has associations with the pastoral settlement of Gippsland in the mid-nineteenth century and illustrates the status of the pastoralists within Gippsland society. It has important associations with the locally important Pearson family who were influential in local and Victorian commerce and politics. Aesthetically, the present Classically derived mansion with the wide areaded loggia at ground level and superimposed upper areade with segmental arches and ponderous central pediment, is notable as one of the last of the conservative Classical mansions crected in Victoria. (RNE criteria A.4, B.2, D.2, E.1 & H.1))

(The Commission is in the process of developing and/or upgrading official statements for places listed prior to 1991. The above data was mainly provided by the nominator and has not yet been revised by the Commission.)

Notable for the variety of its art nouveau plaster decoration, the art nouveau timber screen in the drawing room, the imposing stair lobby and the great balcony, now partially built in. (National Trust Register, B2969)

Kilmany Park Hermes No 128082

Place Citation Report

24-Feb-2016

10:45 AM Page 2

Recommendations 2005

External Paint Controls Internal Alteration Controls Tree Controls Fences & Outbuildings Prohibited Uses May Be Permitted Incorporated Plan Aboriginal Heritage Place

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This information is provided for guidance only and does not supersede official documents, particularly the planning scheme. Planning controls should be verified by checking the relevant municipal planning scheme.

Kilmany Park Hermes No 128082

Place Citation Report

24-Feb-2016

10:45 AM Page 3



English Oak (Quercus robur)
Settlement Road Wurruk
Tree
2005



English Oak (Quercus robur)

Recommended VHR - HI - PS -Heritage Protection

History and Historical Context

This English Oak commemorates King George V who planted the tree when visiting the property as the Dake of York on 15 May 1901 (1).

Please see the separate citation in this Study for further information about Kilmany Park.

REFERENCES (1) National Trust of Australia (Victoria) Register, T11099

REFERENCES Context Pty Ltd, 2004. Wellington Heritage Study: Sale Review

English Oak (Quercus robur) Hermes No 128012 Place Citation Report 24-Feb-2016

10:46 AM Page 1

Description

Physical Description

This large English Oak (Quercus robur - family: Fagaceae) is located within Kilmany Park, Pearsondale Road, Sale, on the west side of the main residence. Estimated to be 100 years old, it has the following dimensions:

Spread: 24.40 Girth: 2.72 Height: 11.75

The condition and form are good.

It was not inspected during the Wellington Heritage Study: Sale Review (2004).

Recommended Management

On National Trust Significant Trees Register, therefore of sufficient significance to be protected under Planning Scheme.

Statement of Significance

This English Oak (Quercus robur) at Kilmany Park planted by King George V when visiting the property as the Duke of York on 15 May 1901 is of historical and scientific (horticultural) significance to Wellington Shire. Historically, it is significant for its associations with King George V and a reminder of his visit to Sale at the time of Federation. It demonstrates the importance of Sale as city and Kilmany Park. Scientifically, it is of horticultural significance as a fine mature specimen of this species. (RNE criteria A.4, D.2 and H.1)

Recommendations 2005

External Paint Controls	20
Internal Alteration Controls	
Tree Controls	
Fences & Outbuildings	÷
Prohibited Uses May Be Permitted	•
Incorporated Plan	·
Aboriginal Heritage Place	•):

Other Recommendations

On National Trust Significant Trees Register, therefore of sufficient significance to be protected under Planning Scheme.

English Oak (Quercus ro	bur)	
Hermes No 128012	Place Citation Report	

24-Feb-2016

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This information is provided for guidance only and does not supersede official documents, particularly the planning scheme. Planning controls should be verified by checking the relevant municipal planning scheme.

English Oak (Quercus robur) Hermes No 128012 Place Citation Report 24-Feb-2016

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'Kilmany Park', 1613 Settlement Road, Wumuk

10.2 Appendix B - Citations for Non-Statutory Listings

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'Kilmany Park', 1613 Settlement Road, Wurruk

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Place Details

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Name K Address 1 Place Type H

Kilmany Park Homestead 1613 Settlement Road SALE Homestead building File No B2969 Significance Level Unknown



B2969 Kilmany Park Homestead

Recommended VHR - HI - PS -Heritage Protection

Statement of Significance

A two-storeyed mansion on a particularly grand scale, built in 1901 for the major squatter William Pearson, and notable for the variety of its art nouveau plaster decoration, the art nouveau timber screen in the drawing room, the imposing stair lobby and the great balcony, now partially built in. Classified: 07/12 1972 See also: T11099

Kilmany Park Homestead Hermes No 70009 Pla

Place Citation Report.

24-Feb-2016

10:44 AM Page 1

Recommendations

External Paint Controls Internal Alteration Controls Tree Controls Fences & Outbuildings Prohibited Uses May Be Permitted Incorporated Plan Aboriginal Heritage Place

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This information is provided for guidance only and does not supersede official documents, particularly the planning scheme. Planning controls should be verified by checking the relevant municipal planning scheme.

Kilmany Park Homestead Hermes No 70009 Place Citation Report 24-Feb-2016

10:44 AM Page 2



Name Quercus robur Address 'Kilmany Park' 1613 Settlement Road, SALE Place Type Tree File No T11099 Significance Level Unknown



T11099 Quercus robur

Recommended VHR - HI - PS -Heritage Protection

Statement of Significance

Historical value

This commemorative planting dominates the western side of the historic property. The sign reads "This oak was planted by His Majesty King George V when visiting the property as HRH the Duke of York on 15 May 1901. This tablet was erected by the representatives of the Victorian Bowling Asociation February 1935". "Kilmany Park' was settled by William Pearson in September 1841 and is one of the oldest established properties in eastern Victoria. The imposing residence was built by Pearson in 1901 is classified by the National Trust.

Measurements: 21/03/1997 Spread (m): 24.4 Girth (m): 2.72 Height (m): 11.25 Estimated Age (yrs): 96

Quercus robur Hermes No 70605

Place Citation Report

24-Feb-2016

10:43 AM Page 1

Condition: Good

Access: Restricted Classified: 10/04/1997

Recommendations

External Paint Controls	
Internal Alteration Controls	
Tree Controls	
Fences & Outbuildings	
Prohibited Uses May Be Permitte	R
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This information is provided for guidance only and does not supersede official documents, particularly the planning scheme. Planning controls should be verified by checking the relevant municipal planning scheme.

Quercus robur Hermes No 70605

Place Citation Report

24-Feb-2016

10:43 AM Page 2

'Kilmany Park', 1613 Settlement Road, Wumuk

10.3 Appendix C - Previous Heritage Studies

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'Kilmany Park', 1613 Settlement Road, Wurruk

trethowan orchitecture interiors heritage.



1st December 2005

John Traa Town Planner Wellington Shire Council PO Box 506 Sale VIC 3850

Dear John

RE: P313/2005 PROPOSED SUBDIVISION "KILMANY PARK" SETTLEMENT ROAD, WURRUK

I refer to your recent correspondence regarding this planning application.

THE PROPOSAL

The proposal is to subdivide the "Kilmany Park" property to create six new lots, each containing an existing house or building/s. I inspected the property with the owner (Daryl Page) on Monday 14th November 2005 in fine conditions. Please note that this was an external inspection only, and that it does not constitute a structural assessment of any of the buildings on this property.

HERITAGE LISTINGS

The property is wholly contained in the Heritage Overlay (HO68) of the Wellington Planning Scheme.

The property was listed by The National Trust of Australia (Victoria) in 1972. The File No. is B2969 and the statement of significance reads:

"A two-storeyed mansion on a particularly grand scale, built in 1901 for the major squatter William Pearson, and notable for the variety of its art nouveau plaster decoration, the art nouveau timber screen in the drawing room, the imposing stair lobby and the great balcony, now partially built in."

It was also included on the Register of the National Estate back in 1978. The citation is as follows:

"Kilmany Park is one of the oldest established properties in eastern Victoria and largely founded by William Pearson. Resolute Scot, successful pastoralist, politician and mining entrepreneur. The present Classically derived mansion with the wide arcaded loggia at ground level and superimposed upper arcade with segmental arches and ponderous central pediment, is one of the last of the conservative Classical mansions erected in Victoria and notable for this fact. William Pearson junior was a model of his father's career."

"Scottish pastoralist William Pearson took up Kilmany Park at Sale in September 1841 at a time when east Gippsland was virtually unoccupied. Pearson built the original timber single storey homestead in the 1840s and his son William junior erected the substantial stucco rendered two storey mansion house adjacent to the original homestead in 1901-06 in a late conservative Classical style."

"Kilmany Park' at Sale has been adapted as a home for boys and conducted by the Presbyterian Church since 1923. The arcade has been almost completely enclosed and the interior converted to dormitory Accommodation."

BACKGROUND HISTORY

In order to understand the likely cultural heritage significance of the existing buildings on this site, it is important to firstly examine the history of the property.

The following extract is taken from "Vision and Realisation Volume 3 – A Centenary of History of State Education in Victoria" (1973) by the Education Department.

"In 1841 W. Pearson settled on the land stretching from Sale in the E to Rosedale in the w and from the Latrobe River in the S to the Thomson River in the N. This enormous run needed many hands and Pearson began his own private school for his employees in the 1880s. The schoolhouse and attached residence still exist. After 1900 the station was slowly but surely subdivided by the Government and by private enterprise. In 1924 the Government bought the magnificent Kilmany Park Mansion and turned it into a home for orphaned boys. As many of these boys were emotionally disturbed and needed a special education, a special school was provided. On 29th April 1925 the school was opened 9in three rooms. Two rooms in one building were divided by a folding door and a separate third room was a sloyd room. Richard Costelloe was the first HT. The school is behind the Kilmany Park Mansion which is approximately 3 miles W of Sale. The initial enrolment

of approximately 40 formed eight grades. The Committee was an unusual one. Throughout the history of the school it consisted of the HM, the Home Superintendent and one parent because some children from the district attended the school. Enrolment reached a peak of 53 but when the school was closed in 1956 the enrolment was 11. At this point it was decided the boys would lead a more normal life if they went to Sale schools. The school had an excellent Junior Young Farmer's Club which won many State prizes for cattle judging. The school gardens won the ANA prize for the most improved garden in 1929. the children showed particular skill in sloyd during the school. History. During the 1940s the boys made toys for children in other orphanages. The boys earned money fashioning garden tools making up to £90 per year. Of the boys at this school one became a bank manager in England (who has a standing invitation to any boy interested in banking for free passage to England and his support when he arrives) and Head of a Victorian country High School. Herbert Williams won a Sun Farmer trip to England in 1937"

Peter Synan's book "Gippsland's Lucky City – A History of Sale" also describes the educational aspects of Kilmany Park:

"In 1923 the Presbyterian Church bought the Kilmany Park mansion and some 200 acres around the homestead for the purpose of a welfare home for boys. The idea was to transplant city boys who were at social risk, to the wholesome atmosphere of a Gippsland farming property where they would have opportunities to continue their schooling. The first boys were welcomed to the home by supervisors Mr and Mrs J. Slyne in early 1924. By 1925 numbers had built up to twenty-five. It was now apparent that Wurruk State School could not cope with the influx so the Education Department opened a school at the homestead in 1927."

The main building on the Kilmany Park property is the mansion-like homestead which has already been adequately described in the various heritage listings above. It has seen various uses over its life - as a private residence, as a home for disadvantage boys, and most recently as a bed and breakfast establishment and function centre. It is surrounded by many outbuildings, most notably splendid brick stables. These stables were devastated by bushfires c1940s with only the original brickwork remaining. New roofing timbers, a corrugated asbestos roof, and timber joinery were all re-built at this time.

The garden surrounding the homestead is also of interest. It was inspected by John Hawker (horticulturalist with Heritage Victoria) in 1997 and it contains many fine specimens including a Bunya Bunya Pine, Hoop Pine, Lilly Pilly, Flame Tree, Hazelnut, Blue Atlas Cedar, Himalayan Cedar, Monterey

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Cypress, Bhutan Cypress, Sugar Gum, Japanese Spindle-wood, Loquat, Liquidambar, Norfolk Island Hibiscus, Pear, Chinese Hawthorn, Tortured Willow, Weeping Elm and Purple Elm. Most notable of the trees is a large English Oak to the west of the homestead planted by King George V when visiting the property as the Duke of York on 15th May 1901. It is proposed that all these buildings and the significant garden remain together on the proposed Lot 1. Together, the mansion, outbuildings and surrounding gardens form a complex of high heritage significance.

Lot 2 contains a painted timber weatherboard-clad house with a tiled hipped roof. It is presumed that this house dates from the 1950s-1960s and is of title heritage significance.

Lot 3 contains a cream block house with tiled hipped root. This would appear to date from the 1960s and is also considered to be of little heritage significance.

Lot 4 contains two old weatherboard school buildings. The larger of the two has a gabled hip roof of corrugated iron with exposed rafters on the eaves. Windows are timber-framed and configured with three four-pane sashes. The double doors are solid timber planked. The two brick chimneys are without adornment and the steel flue in one of them is evidence of a later heating device having been inserted in the fireplace. This building was not inspected internally, but it is currently lived in by a tenant, so is presumably habitable and serviceable. Based on architectural style, it is estimated that this building may date from the period 1890-1915.1 The second school building is of a simpler style, with a simple hipped roof of corrugated iron with a ventilated ridge. It too has painted timber weatherboard-clad walls and double-hung sash windows with hopper-style glazed windows above. The style of the windows and the enclosed eave may suggest that this building is from a later period than the other school building. It is believed that this building is currently used as a storage facility by one of the tenants. These buildings form an integral part of the history of the Kilmany Park property. It would be ideal if they could remain on the same Lot as the homestead and other outbuildings, however, the future significance of any of these buildings (most importantly the mansion) will not be diminished by the subdivision. However, It would be advisable for the heritage overlay to remain on this site so that future development is appropriately managed. Any future application to demolish these two school buildings should be refused.

Lot 5 contains an old style cottage with rendered brick walls and a steeply pitched corrugated iron roof. The timber vent detail on the gable is identical to

¹ A Pictorial Guide to Identifying Australian Architecture - Styles and Terms from 1788 to the Present, Richard Apperly, Robert Irving, Peter Reynolds, Angus & Robertson 1989

that on the brick stables, indicating that it was probably constructed around the same time. Its previous use is not known, but it is assumed that it may have been a farm manager's cottage. It is currently rented out on a short-term basis as holiday accommodation or alternatively on a longer-term basis to visitors. It is anticipated that this arrangement will continue. Based on architectural style, it is estimated that this building dates from a period pre-1890. This building is integral to the complex of buildings that comprise Kilmany Park, and it would be ideal if it could remain on the same Lot as the homestead and other outbuildings. However, the future significance of any of these buildings (most importantly the mansion) will not be diminished by the subdivision. However, it would be advisable for the heritage overlay to remain on this site so that future development is appropriately managed. Any future application to demolish this cottage should be refused.

Lot 6 contains an orange brick house with a tiled hipped roof, thought to date from c1970s. It is of little heritage significance.

RELEVANT GUIDELINES

The following extract is from the Heritage Victoria document "Guidelines For The Assessment of Heritage Planning Applications":

"Subdivision and Consolidation of Land

Guideline basis

A permit is required for subdivision or consolidation of places listed in the Schedule to the Heritage Overlay of local planning schemes and for places on the Victorian Heritage Register.

Subdivision: Background

Subdivision, if approved, is not a readily reversible change, and should be approached with extreme care. While subdivision itself is merely lines on a map, the purpose of subdivision is generally to enable the sale or disposal of the separate lots. There is usually an expectation of the construction of either fencing and or buildings on the separate lots created by the subdivision. It is often the impact of this future development rather than the subdivision itself which may prejudice the significance of the place.

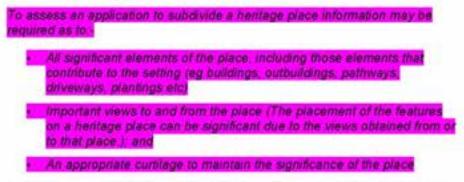
It is important for decision makers when assessing a subdivision application to be mindful that while heritage controls may still apply to the subdivided

² A Pictorial Guide to Identifying Australian Architecture - Styles and Terms from 1788 to the Present, Richard Apperly, Robert Irving, Peter Reynolds, Angus & Robertson 1989

property, it may be too late and too difficult to refuse a permit for new development once the subdivision has occurred. It is therefore desirable to understand as much as possible what development is proposed for the site at the time of the subdivision application. The outcome of the subdivision is crucial to the possible setting of the site and all possible development options should be explored.

The true significance of a place is often reliant upon it being seen in its original setting or context, with all its related elements including gardens, trees, grounds, surrounding pastures, outbuildings, fences, paths, gates or paving. If the place is isolated from its setting, its significance may be diminished or even lost. Cultural significance of a place may also relate to its visual prominence, in such a case setting is of special importance. Consequently the development that results on the subdivided or consolidated land has the potential to destroy or diminish the significance of a place.

This means that development on that land should be controlled to minimise any adverse impact. The physical relationship of separate structures to each other as well as the space between structures needs to be considered in assessing permit applications.



In the urban context the issue of subdivision will more typically arise in relation to larger residential, commercial or industrial properties and institutional sites such as church complexes, schools or hospitals.

Subdivision may result in development that affects the consistent rhythm and pattern of buildings in the street where the property is located in an important streetscape characterised by consistent property sizes and building forms. For example, a historic commercial or residential street may be characterised by properties of a consistent width and buildings of a consistent scale and form.

In the rural context the issue is more likely to arise in relation to large

acreages where there are economic pressures to subdivide. This may include coastlines and areas under pressure from expanding fowns or resorts Depressed farm incomes may mean that subdivision will lead to an injection of capital necessary to maintain existence. For example, there may be an historical setting of open farm space between residential areas and coast lines.

Applicants often suggest that the need to subdivide is justified by the need to maintain financial viability of the place (ie the property is too large for the current owner to maintain). Consideration should be given to whether the subdivision is the only way of ensuring long term conservation of the most significant element(s) of the place or whether other options may exist. If no other options exist it may be beneficial to obtain a type of bond to ensure that the conservation works do occur. Subdivision may ultimately be seen as the only means of conserving a place, by providing funds for its long term conservation. In this case the gains from subdivision should outweigh any losses pertaining to significance in order to be justified.

The same principles apply to the realignment of property boundary lines."

"Objectives of guidelines

- To ensure that the potential negative effects of subdivision on cultural heritage significance of a place are minimised
- To ensure that an appropriate setting and context for heritage places is maintained.
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To ensure that hentage places continue to be used and conserved

Guidelines: Subdivison

 Subdivision should not impact negatively on the significance of the place.

Subdivision should be avoided or limited if it is detrimental to the associational or historical links which are essential to maintaining significance and understanding of the place tie if it leads to the physical separation and isolation of important elements of the historic place - for example, the separation of a historic house from its stables or outbuildings, garden etc).

Subdivision should be avoided or limited if resulting development, including boundary fences and buildings, will be detrimental to the

visual appearance of the heritage place or be detrimental to the significant view lines to and from the heritage place. Maintenance of a appropriate visual setting is essential.

- Subdivision should be avoided or limited if it, or any resulting development, will impact on the significance of an adjacent or surrounding heritage place.
- All applications for subdivision involving protected land should be accompanied by design guidelines that include proposals for building envelopes, materials, colours and fences for the subdivided lots
- Subdivision in the midst of an important group of buildings or streetscape should be avoided if it may result in development that affects the consistent rhythm and pattern of buildings. Subdivision should also be avoided in this situation where it adversely affects the historically important views and interrelationship of a group of buildings.
- For larger properties such as homesteads and the "home paddock", all the main structures associated with the property which may include the homestead, stables, woolshed, barn, original fences, paths and dry stone walls should be retained in single ownership. This may also include parts of the site of archaeological significance such as the sites of earlier houses, underground water storage vessels etc. Plantings such as driveway avenues, an important garden associated with the place, walled gardens, hedges and the like should also be retained in the same ownership as the main building with which they are associated
- If subdivision is put forward as the only means of ensuring the long term preservation of a property, evidence of having examined the feasibility of other alternatives should be submitted with a permit application or conservation management plan
- The history of the property's boundaries should be taken into consideration. If, for example, the original property had increased in size over time, it may be appropriate to subdivide along original lines and return the property to its original size

Where subdivision is permitted:

- Site new boundaries away from existing vegetation. Create new boundaries that are located in a way to develop the lot for the intended purpose without losing the existing significant vegetation
- The heritage place should be given visual prominence over potential development on the subdivided land. This should be shown on a planning application showing vistas to the settings that are to be retained to the place and the location of all significant features.
- An undeveloped space should exist between the heritage place and any potential development on the subdivided land. Landscaping may be appropriate where it does not alter the significance of the surrounding landscape
- Development envelopes (that is, areas in which development may occur on a site) should ensure a transition between potential new development and the significant building or structures in terms of scale, height and massing so that the heritage place is not overwhelmed or dominated by the new
- Provide adequate land and access for existing buildings and vegetation to protect their setting and possible options for future use*

RECOMMENDATIONS

Whilst it is unfortunate to see any historic property subdivided, it is believed that in this instance the proposed subdivision will not diminish the cultural heritage significance of the place. This is subject to the following conditions:

- That the heritage overlay remain on all six Lots so that inevitable future development on these Lots can be appropriately managed.
- That building envelopes be created on some or all of the Lots numbered 2, 3, 4, 5 and 6.
- That current and/or future owners of Lots 4 and 5 be encouraged to retain and enhance the existing buildings so that their cultural heritage significance is not diminished. In particular, any future development on these sites needs to be sensitive to the heritage significance of the existing buildings. Any future application to demolish these buildings should be refused.
- The Schedule to the Heritage Overlay does not include controls over internal alterations. This situation should remain for all Lots.
- The schedule to the Heritage Overlay includes external paint colours for this property. It is recommended that these need not apply to the

Anne Napler Architect Pty Ltd ABN: 44 101 049 487 PO Box 725 Warragul VIC 3820 Phone: (03) 5622 1928 Fax: (03) 5622 1728 Email: napler@vic.australis.com.au Registered Architect in Victoria and Tasmania newly created Lots 2, 3, and 6. External paint controls should remain on Lots 1, 4 and 5.

 The schedule to the Heritage Overlay includes tree controls, however, it is recommended that these need not apply to the newly created Lots 2, 3, 4 and 6. The tree controls should remain on Lots 1 and 5.

Please don't hesitate to contact me should you require any additional heritage advice regarding this planning application.

Yours sincerely

[original signed by Anne Napier]

Anne Napier Heritage Adviser to Wellington Shire Council

> Anne Napier Architect Pty Ltd ABN: 44 101 049 487 PO Box 725 Warragul VIC 3820 Phone: (03) 5622 1928 Fax: (03) 5622 1728 Email: napier@vic.australis.com.au Registered Architect in Victoria and Tasmania

David Helms

HERITAGE PLANNING + MANAGEMENT

KILMANY PARK SALE

Review of heritage significance – January 2009

Introduction

This report has been prepared for Jelaryl Pty Ltd and provides the initial findings of the review of significance of Kilmany Park at Sale in order to provide the basis for recommendations to change the extent of the Heritage Overlay that currently applies to the property.

A revised draft statement of significance has been prepared, which provides a more comprehensive understanding of the significant elements associated with the place.

This report has been prepared in accordance with the principles and procedures set out in the Australia ICOMOS Charter for Places of Cultural Significance 1999 (the Burra Charter), and the assessment of significance has applied the Hercon criteria. Specifically, the investigation carried out has included a site inspection on 16 December 2009, a review of existing documentation in relevant studies including the Wellington Shire Heritage Study, and a review of relevant planning controls and policy in the Wellington Planning Scheme. The current owner provided further information about the history of the site. The scope of this study did not allow further research to be carried out and it is noted that further research into the history of this fascinating place would be beneficial.

History

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William Pearson, 'resolute Scot, successful pastoralist, politician and mining entrepreneur', took up Kilmany Park at Sale in September 1841 at a time when East Gippsland was virtually unoccupied and it became one of the first pastoral estates in this part of Victoria. Pearson built the original timber single storey homestead in the 1840s and his son William junior erected his substantial stucco rendered two storey mansion house adjacent to the original homestead in 1901-06 in a late conservative Classical style (RNE).

Over time the Pearsons established a complex of buildings on the property, which included a large brick stables, and a small timber structure adjacent to the kitchen used for the killing and storage of enimals.

The status of the Pearsons within Australian society was illustrated by the visit to Kilmany by the Duke of York (Later King George V) on 15 May 1901. He planted an English Oak to mark the occasion (NT). The Duke had come to Australia as the King's representative to open the first Federal Parliament in Melbourne.

In 1923 Kilmany Park was converted to a home for boys conducted by the Presbyterian Church. The Church made alterations to the house including enclosing the upper balconies to provide bedrooms for the boys and constructing a gabled brick extension extending from the north-west corner containing toilets and showers. Internally, much of the original detailing was covered over, but fortunately, it appears that little was removed.

In 1925 a school was established on part of the site. The predominance of boys was reflected in the addition of a Sloyd Room in the 1930s.

In the 1940s a fire partially destroyed the stables, which was rebuilt and extended. Further additions included the construction in the 1960s of a brick assembly hall by the Church.

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The current owners purchased Klimany Park in 1996. Since then they have carried out extensive restoration and renovation works, most significantly removing the enclosures to the upper balcony. Internally, ensuite bathrooms have been sensitively integrated, and some minor doorways closed (and others opened), but the overall form and layout and detailing remains largely intact. This is particularly true of the main downstairs rooms leading off the grand central hall.

Sources

Register of the National Estate (RNE), Site ID: 004772

National Trust of Australia (Victoria) (NT), B2969

Dr Daryl Page

Description

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Kilmany Park is situated on the west side of Settlement Road, to the south-west of Sale. The entrance to the driveway is marked by a pair of semi-mature English Oaks (Quercus robur) and the driveway is lined with informal plantings of Eucalypts and Melaleucas.

The driveway leads to a complex of buildings set on a rise overlooking the Latrobe River plains, which includes the mansion, constructed in 1901-06, the original c.1860 cottage, the former Kilmany Park School, and a complex of outbuildings including the 'killing room' adjacent to the house and the former stables. There are also three post-war houses and a brick hall constructed by the Presbyterian Church.

The mansion is a substantial two storey building in the conservative Classical style. It has a wide arcaded loggia at ground level and superimposed upper arcade with segmental arches and a central pediment. Notable internal features include the variety of its art nouveau plaster decoration, the art nouveau timber screens in the drawing room and dining, the imposing stair lobby and the great balcony. The flora employed in the plaster decoration includes many Australian species such as gum leaves, reflected the nationalistic sentiments that were expressed in design around the time of Federation.

The mansion is in good condition and has a relatively high degree of integrity both internally and externally. The major change to the exterior of the mansion is the c.1920s single storey gabled addition extending from the north-east corner made by the Presbyterian Church to accommodate amenities including toilets and showers. Adjoining this addition is the brick 1960s Hall.

The mansion is set within the remnants of original gardens that include a number of magnificent exotic trees including a Bunya Bunya Pine, a Hoop Pine (close to the southeast corner of the mansion) and the English Oak (immediately to the west) planted by the Duke of York. Other notable trees include the pair of Cedars set within an elliptical shaped lawn framed by the carriage driveway on the south side of the Mansion, and a Norfolk Island Hibiscus just to the east of the Mansion. The elliptical Cedar lawn is enclosed by a concrete border, which features steps on the south side. Most of the other garden plants (which include acenthus, euphorbia, various succulents, roses, lavender etc.) are recent plantings, but are nonetheless appropriate for the era of the house.

To the north of the house is an open gravelled courtyard, which is partially enclosed on the east side by the c.1920s ablutions wing and the c.1960s hall. At the centre of courtyard is

page 2 of 5

an underground brick-lined well, now covered with a concrete cover. A second brick-lined well is situated close to the south-east corner of the former stables.

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The 'Killing Room' is a small weatherboard building just to the west of the kitchen wing. It has a hip roof with a small 'rocket' shaped ventilator (apparently original, this appears in an early photograph in the possession of the current owner). It has small covered windows, and chicken wire under the eaves providing further ventilation. Internally, the wells and ceiling are lined with narrow tongue and groove pine boards, and the original frame and hooks for hanging animal carcasses is still intact.

The c.1860 cottage is constructed of brick with three stretcher courses alternating with one soldier course. The cottages comprises one long traverse gable oriented east-west, with three subsidiary gables extending at right angles to the north. There are skillion verandahs to both the north and south elevations verandah structures, which appear to be early, if not original, are supported by chamfered timber posts and have brick floors. There are external chimneys in either end wall. The front door and hallway is placed off-centre. Windows are six-pane double hung sash. The three gable ends have ocular vents

Significant outbuildings include the former stables, which appear to originally have been symmetrical in layout with a large central barn flanked by two wings containing accommodation for the stable hands. The flanking wings have double hung sash windows with an occulus vent above. The area to the south of the barn and between the flanking wings has now been enclosed, and a large new steel framed roof built over the barn. Internally, the barn retains its original brick floor - the stable bays have been removed but evidence of the divisions still exists in the walls and floors. An unusual feature at one side is a concrete 'trough', which reputedly was used for the servicing of carriages or vehicles.

Behind the stables is another very altered brick outbuilding, the original use of which is not known, though it was possibly a bakery for the house¹. Surviving original fabric includes the inner and out walls, which however, have been shortened and a new roof place above. Window and doorway openings have been altered, but some original arched doorway openings remain. The building was evidently used during the tenure of the Preebyterian Church as a workshop of sorts.²

The former Kilmany Park School comprises the original two room school house and the adjacent Sloyd Room. The school house is symmetrical in plan, with two rooms separated by a folding bank of doors, which open off a porch on the west side of the building. Each room retains its original raised platform for the teacher in front of the chalkboard, with a fireplace set into opposite corners. These are marked by plain brick chimneys at either end of the building, which adds to the symmetry of the composition. In each end wail (Including the north end, which is unusual) are large banks of multi-paned windows with hoppers above. The east side elevation features four high set multi-paned windows, which are also used in the porch. Alterations to the interior include the subdivision of the porch into two rooms, one now converted to an ensuite, and the installation of a kitchen in one part of the northern room.

The adjacent Sloyd Room is a simple rectangular building with a hip iron roof. It also is essentially symmetrical in plan with four tall windows in the south elevations and three windows and a door in place of the fourth in the north elevation. The windows have

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¹ Daryl Page, pers. comm. 16 December 2009. ² Ibid

horizontal glazing bars, which illustrate the Moderne influence upon school design in the 1930s under the direction of Chief Architect, Percy Everett. Internally, the building retains a number of features that demonstrate its original function including the large bench along the south wall, the built in cupboards (once used for storing tools) and what appear to be large shelving units along the east end wall. Otherwise the interior is typical of schools of this period with vertical lining boards to the lower part of the wall and plasterboard above. A blackboard is set into the west end wall. The ceiling has been replaced.

Other buildings include three post-war houses of typical design.

Significance [Draft]

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What is significant?

Kilmany Park at Settlement Road, Sale. The following elements contribute to the significance of the place:

- The c.1880 cottage.
- The mansion of 1901-06 excluding the later additions by the Presbyterian Church.
- The form and concrete border and steps to the elliptical lawn to the south of the mansion and the remnant mature trees including the Quercus robur, Bunya Bunya Pine, Hoop Pine, Norfolk Island Hibiscus and two Cedars.
- The two brick underground water tanks.
- The outbuildings associated with the Pearson ownership including the 'Killing Room', former stables (excluding the later additions and alterations), and the brick outbuilding immediately to the north of it (excluding the later additions and alterations).
- The former Klimany Park School and the Sloyd Room. The Interior of the Sloyd Room is also significant.

The three post-war houses on the property are not significant.

How is it significant?

Kilmany Park is of historical, architectural, aesthetic and social significance to the Gippsland region.

Why is it significant?

Historically, it is significant for its associations with the pastoral settlement of Gippsland in the mid-nineteenth century and illustrates the status of pastoralists within Gippsland society. It has important associations with the Pearson family who were influential in Victorian commerce and politics. (Criteria A & H)

It is also historically and socially significant for its long association with the Presbyterian Church and provides evidence of the facilities created by church organisations for the welfare of children in the twentieth century. This association is demonstrated by the school buildings, which also provide evidence of the closer settlement of this area in during the 1920s. The former Sloyd room is of particular significance as a rare example of its type, which is notable for the relatively high degree of external and internal integrity. (Criteria A, D G & H)

Aesthetically and architecturally, the mansion with a wide arcaded loggis at ground level and superimposed upper arcade with segmental arches and ponderous central pediment, is notable as one of the last of the conservative Classical mansions erected in Victoria and one of the finest private houses in the Gippsland region. Internally, the mansion is notable

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for the variety of its art nouveau plaster decoration, the art nouveau timber screen in the drawing room, the imposing stair lobby and the great balcony, now partially built in. (Criteria D & F)

The mansion, garden and outbuildings is aesthetically significant as a fine example of a substantial Federation homestead complex in a picturesque rural setting, (Criterion E)

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DOCUMENT CONTROL DATA

D	Beveridge Williams	Title	South Wurruk Development Plan
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Reference:

Jelaryl Pty. Ltd. Client:

1400147

Park Ridge Investments Pty. Ltd. Pearsondale Heights Pty. Ltd. Reyela Pty. Ltd.

Revision Table

Rev	Description	Date	Authorised
A	Draft	28 Apr 2016	cc
в	Updated to remove figures with proposed lot layouts as requested by Council	4 July 2016	сс

Distribution Table

Date	Revision	Distribution	
28 Apr 2016	A	Council, Beveridge Williams, Clients	
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APPENDICES

APPENDIX A.	DRAFT PROPOSED SWMS PLAN
APPENDIX B.	RATIONAL METHOD CALCULATIONS



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Glossary of terms

Alphabetical list of terms and abbreviations used in report

AHD	Australian Height Datum A common national surface level datum approximately corresponding to mean sea level.
ARI	Average Recurrence Interval - The average, or expected, value of the periods between exceedances of a given rainfall total accumulated over a given duration.
Authorities	Organisations responsible for supply and management of sewer, water, gas, electricity and telecommunications, roads and transport
BPEMG	Best Practice Environmental Management Guidelines
BWCo	Beveridge Williams & Co Pty Ltd
WGCMA	West Gippsland Catchment Management Authority
Client	Jelaryl Pty. Ltd.
	Park Ridge Investments Pty. Ltd.
	Pearsondale Heights Pty. Ltd.
	Reyela Pty. Ltd.
Council	Wellington Shire Council
IDM	Infrastructure Design Manual
LSIO	Land Subject to Inundation Overlay
NTWL	Normal Top Water Level
Q35	Storm water flow generated from 10 year ARI storm event.
Q ₃₀₀	Storm water flow generated from 100 year ARI storm event.
Qasp	Flow difference between Q ₂₀ and Q ₂₀₀ storm event.
SEPP	State Environment Protection Policy
WLRB	Wetland Retention Basin
WSUD	Water Sensitive Urban Design



1 INTRODUCTION

Beveridge Williams has been commissioned by Wellington Shire Council to prepare a Concept Stormwater Management Strategy (SWMS) for a South Wurruk Development Plan, based on the Sale, Wurruk and Longford Structure Plan (August, 2010). The total site area is approximately 122.85 ha and as stated in the Structure Plan, 'opportunity exists for establishment of urban residential and some rural residential development to form a complete neighbourhood that is integrated with the existing urban area and local facilities'.

This SWMS report is intended to provide a conceptual drainage strategy for the development plan. The strategy aims to retain post-development stormwater runoff to pre-development level, to meet stormwater quality Best Practice Environmental Management Guidelines (BPEMG) to the satisfaction of West Gippsland Catchment Management Authority (WGCMA), Wellington Shire Council (WSC) and other relevant authorities.

1.1 Site Overview

The proposed development plan is located in Wurruk, 1.3km west of Sale and predominantly bound by Settlement road on the south east and Princes highway on the north. There are currently two existing residential areas adjacent to the subject site, Sovereign Estate to the west and Park Ridge Estate on the eastern side. There is also an existing a heritage site (Kilmany Park Heritage Estate) towards the southern west area of the site (which is excluded from the subject site area) (Refer to Figure 1 for the location plan and Figure 2 for the Site Analysis Plan).

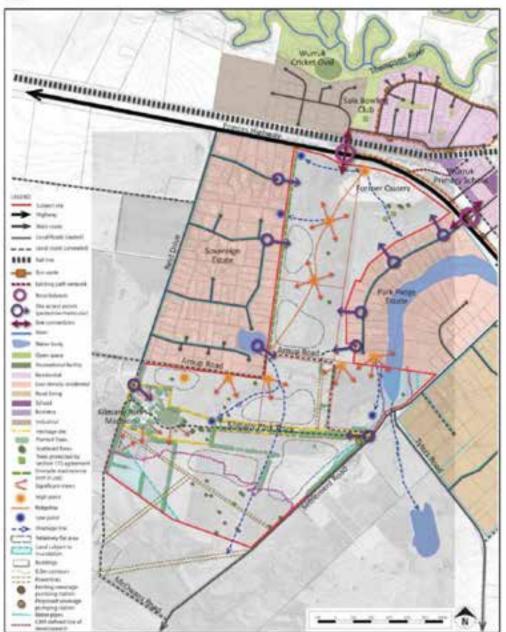
The overall site is largely characterised by paddocks with scattered trees and plantings, and some flood prone land area to the south. There are some existing water bodies surrounding the site as shown in Figure 2.



Figure 1: Location Plan - Not to Scale (Source: Near Mop)

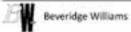


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The subject site is currently zoned Low Density Residential, however the Sale, Wurruk and Longford Structure Plan highlights for some higher density residential development to the northern half of the site.

Figure 2: Site Analysis Plan



2 EXISTING CONDITIONS

2.1 Topography

The overall subject site is relatively flat, with varying topographical features throughout the area. The contours generally falls from north to south direction (Refer to Figure 3 below for Site Topography Plan).

On the northern part, a ridgeline extends through the centre of the site with a number of high points across the site. The land around this consists of undulating terrain, with areas of steep gradient as well as some flat open spaces further towards the middle section of the site.

The southern part of the site is much flatter with some low points and drainage basins, falling towards to the floodplains area on the further south, where the land is covered by a Land Subject to Inundation Overlay (LSIO).

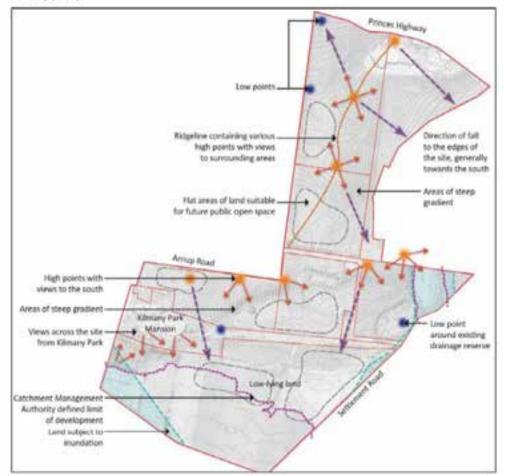


Figure 3: Site Topography Plan



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2.2 Surface Water and Drainage

As previously mentioned, the site topographical map shows a series of highpoints that form a major ridge line through the middle of the northern part of the subject site. This resulting in two opposing drainage paths on either side of the ridge line. Surface drainage water on the western part of the ridgeline flows towards northwest direction while on the eastern part of the ridgeline flows towards east and south east directions (Refer to Figure 4 below).

Surface water on the middle part of the site generally flows towards to the southern direction where the low points are located. Drainage water on the southern part (south of Kilmany Park Mansion) generally runs towards to the south, where the floodplain (LSIO) area is located.

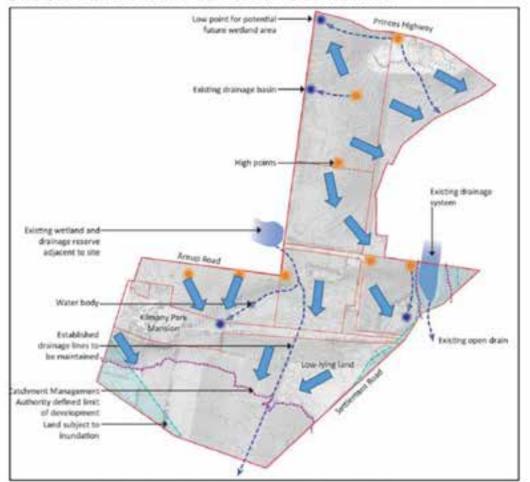


Figure 4: Existing Site Surface Water Plan



3 DESIGN INTENT

3.1 Proposed Development

The proposed indicative residential development plan, with total area of approximately 122.85 ha is to form high and medium residential density lots. The high density lots are predominantly located on the northern part and also the eastern part of the middle section. The low density lots are located on the western part of the middle section and southern part.

This preliminary development layout will also include an oval and a few reserve and drainage reserve areas. The proposed road network will be designed to minimise traffic flow whilst maintaining simple and direct access for local residents.

3.2 Proposed Stormwater Management Strategy

The main objectives of this SWMS are to satisfy the requirements from Council and CMA, which include controlling the rate of the 1 in 100 year ARI stormwater runoff for the post development peak flows to pre development levels and providing stormwater treatment to meet the best practice guidelines.

For stormwater quantity management, it is proposed to indicatively provide 7 stormwater detention basins throughout the subject site. Each of these basins will be located on the lowest point of each of the designated sub-catchment within the site.

For stormwater quality management, it is proposed to provide 7 wetlands located within the stormwater retardation basins.

Details of both stormwater quantity and quality management are discussed in Sections 4 and 5.



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4 STORMWATER QUANTITY MANAGEMENT

As part of the West Gippsland CMA (WGCMA) and Council requirements, stormwater runoff for the 1 in 100 year ARI event will need to be retarded from the post development to pre development conditions. Details of stormwater detention are discussed in the following sections.

4.1 Sub-surface Drainage

The Legal Point of Discharges for the subject site will be to existing open channel on the east, existing floodplain area on the south and existing drainage system on the north-western corner (Refer to Figure 6).

The subsurface drainage networks for the development will convey all pipe flows to these discharge points, via the proposed water quality treatment facilities located within the proposed retarding basins throughout the site. The pipe networks will be adequately sized to convey the 1 in 5 year ARI flows through the network.

4.2 Subject Site Overland Flow

Overland flows from each of the sub-catchment area of the proposed development site will be directed via the road network or easements as required to proposed designated retarding basins.

The internal roads for the development, and associated lot finished surface levels, will be designed to ensure that the 1 in 100 year ARI overland flows through the site are within the safe hydraulic capacity of road floodway.

4.3 Rational Method Calculations

The total proposed development area of 122.85 ha was divided into 7 different sub-catchments based on the existing contours topography. The post-development catchment plan (the Concept Stormwater Management Plan) has been developed to indicate where the stormwater discharge within each of the sub-catchment area is channelled into the designated retarding basin (See Figure 7 below, also Appendix B).



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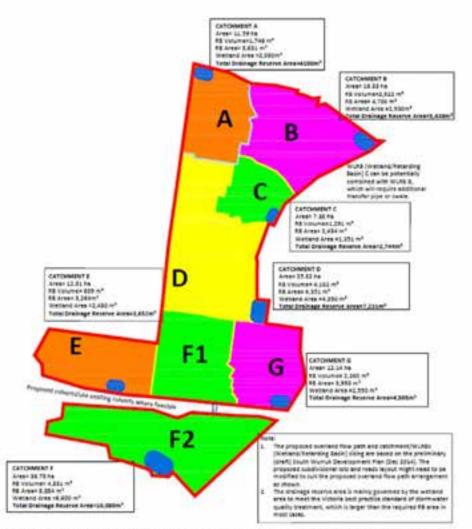


Figure 5: Concept Stormwater Management Plan for South Wurruk Development Plan (Not to Scole)

The calculations for the 1 in 100 year ARI flows of the subject site were undertaken using Rational Method to determine the design flows for the pre-developed and post developed scenarios.

Catchment	Pre-Development Scenario			Post Development Scenario		
	T,	Average C100	Rainfall intensity	T.	Average C100	Rainfall intensity
A	20.11	0.282	95.38 mm/hr	10.30	0.64	137.51 mm/hr
8	22.90	0.282	88.38 mm/hr	10.02	0.67	139.44 mm/hr
c	16.94	0.282	105.23 mm/hr	9.56	0.72	142.75 mm/hr
D	27.26	0.282	79.65 mm/hr	10.33	0.67	137.31 mm/hr
E	20.88	0.282	93.30 mm/hr	9.50	0.35	143.19 mm/hr
F	31.18	0.282	73.41 mm/hr	10.56	0.54	135.78 mm/hr

The parameters determined for the rational method calculation are shown in Table 1.



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<u></u>	20.45	0.000	C1 11	0.00	0.75	1 1 1 T
G	20.46	0.282	94.41 mm/hr	9.56	0.72	142.75 mm/hr

Table 1: Parameters for the Rational Method

Details of total catchment and sub- catchment areas for the pre and post development scenarios are also provided in Table 2 below.

11.59 ha
16.33 ha
7.38 ha
25.82 ha
12.81 ha
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Table 2: Catchment Area and Fraction Impervious for the Rational Method Calculations

4.4 100 year ARI Peak Flows and Storage Volume Required

The results of 1 in 100 year ARI peak pre-development and post development flows from the Rational Method Calculations are shown in Table 3. The detention storage required was calculated using the Rational method. Details of both Rational Method and detention storage calculations are shown in Appendix C.

1 in 100 yea	r ARI Peak Flows for South V	Nurruk Development	Volume of
Sub-Catchment	Pre Development Peak Flow	Post Development Peak Flow	Detention Required
A	0.87 m ³ /s	2.80 m ³ /s	1,746 m ³
В	1.13 m ³ /s	4.32 m ³ /s	2,922 m ³
с	0.61 m³/s	2.09 m ³ /s	1,291 m ³
D	1.61 m ² /s	6.09 m³/s	4,182 m ³
E	0.94 m³/s	1.79 m³/s	609 m ³
F	2.12 m ³ /s	6.82 m³/s	4,331 m ³
G	0.90 m ³ /s	3.45 m³/s	2,260 m ¹
		Total	17,341 m ³

Table 3: Pre & Post Development Peak Flows and Detention Storage Calculations Results for the 100 year ARI

The above peak flows results indicate that the 1 in 100 year ARI post development peak flows can be detained to the pre development level by providing a total combined detention storage of 17,341 m³.



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4.5 Sizing of the Detention Storages

The sizing of the basins have mainly been governed by the required wetlands area to meet the Victoria best practice standard of stormwater quality treatment, in which are larger than the required RBs area in some cases. The calculations for the wetlands are further details in the next Section 5. Each of the basin has been sized with a 1 in 6 batter slope.

Details of the retarding basins for each of the sub-catchment is in Table 4 below. Plan of indicative locations of the WLRBs are provided in the previous Figure 7.

Sub-Catchment	Storage Required (m ¹)	RB Top Surface Area (m ²)	RB Depth (m)
А	1,746 m ³	3,631 m ²	1.0 m
В	2,922 m ³	4,786 m ²	1.3 m
c	1,291 m ³	2,434 m ³	1.1 m
D	4,182 m ³	6,351 m ²	1.2 m
E	609 m ³	3,264 m ³	0.6 m
F	4,331 m ³	8,884 m ²	1.1 m
G	2,260 m ³	3,993 m ²	1.1 m

Table 4: Indicative Details of Retarding Basins

The design of retarding basins will be in accordance with the specific technical details contained in the Council Infrastructure Design Manual and WGCMA Standards. Detailed designs of these stormwater detention devices have not yet been completed and these will be submitted to Council and WGCMA during detailed design phase.



5 STORMWATER QUALITY MANAGEMENT

It is a Victorian Government requirement that Quality of stormwater runoff from the proposed development meets the Urban Stormwater Best Practice Environmental Management Guidelines (BPEMG), which are required under Clause 56 of the Victorian Planning Provisions (VPP). The targets are:

- 70% removal of the Total Gross Pollutant Load (Litter);
- 80% removal of Total Suspended Solids (TSS);
- 45% removal of Total Phosphorus (TP); and
- 45% removal of Total Nitrogen (TN).

Stormwater quality modelling was conducted using MUSIC (Model for Urban Stormwater Improvement Conceptualisation) for the proposed development site. The layout of the MUSIC Model is shown in Figure 8 below and results of the MUSIC model are shown in Table 5. The proposed treatment will be 7 wetlands (each with a sedimentation basin) located within the base of the RB for each of the 7 sub-catchment areas.

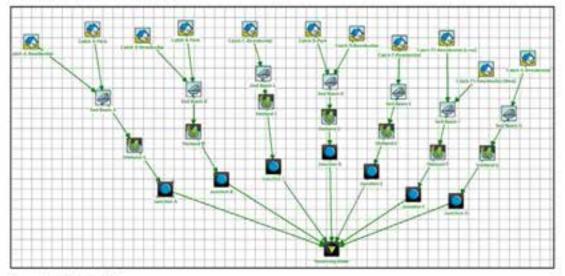


Figure 6: MUSIC Model Layout

Parameter	% Removal at Receiving Outlet	BPEMG Target % Removal
Gross Pollutants (Kg/yr)	100.0	70
Total Suspended Solids (Kg/yr)	89.9	80
Total Phosphorus (Kg/yr)	74.9	45
Total Nitrogen (Kg/yr)	45.8	45

Table 5: MUSIC Model Results - Compared with BPEMG Target

As shown in Table 5 the proposed wetlands and sedimentation basins can meet the best practice BPEMG standard. Details of the wetlands and sedimentation basins are shown in Table 6. Location of the wetlands are shown in the previous Figure 7 and Appendix 8.



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Sub-Catchment	Sedimentation Basin Area (m ³)	Wetland Area (m ²)	Total Area Required (m ²)
Α	230 m ³	1,800 m ²	2,030 m ¹
8	330 m ²	2,600 m ²	2,930 m ³
с	151 m ²	1,200 m ²	1,351 m ³
D	450 m ²	3,900 m ²	4,350 m ³
E	180 m ²	2,300 m ²	2,480 m ³
F	600 m ²	6,000 m ²	6,600 m ³
G	250 m ²	2,300 m ²	2,550 m ³
		Total	22,291 m ¹

Table 6: Details of Wetlands and Sedimentation Basins

A total of approximately 22,291 m² of water surface area for the proposed wetlands (including sedimentation basins) will be required to provide stormwater treatment for the development site.

The design of the sedimentation basins and wetlands will be in accordance with the specific technical details contained in the design and construction WSUD Technical Manual. The detailed designs of these WSUD assets have not yet been completed and these will be submitted to Council and WGCMA during the detailed design phase of the project.



6 CONCLUSION

This report has provided a concept drainage management strategy for the proposed South Wurruk Development Plan. The strategy provides a methodology for the management of stormwater on the subject site, which would result in:

- Construction of drainage assets to meet the likely requirements of West Gippsland CMA and Council, including 1 in 100 year ARI capacity road reserves and underground drainage for the 1 in 5 year ARI storm event as required;
- Volumes of stormwater detention requirements of 17,341m³ will be required to detain the
 proposed development site. This volume will be contained within the proposed 7 retarding
 basins located throughout the site, to cater for the designated sub-catchment areas;
- Stormwater quality treatment system required to meet 8PMEG standard will be 7 wetlands and 7 sedimentation basins with total area of 22,291 m². The wetlands and the basins will be located within the proposed retarding basins; and
- Construction of WSUD assets and Retarding Basins to meet the retardation and overall water quality treatment.

The above strategy can be implemented and all of WGCMA and Council's development requirements can be achieved, with no net effect on the downstream properties.

BEVERIDGE WILLIAMS & CO PTY LTD

Prepared by

Reviewed by

Lala Nurhalim Surface Water Engineer Aram Manjikian Senior Surface Water Engineer

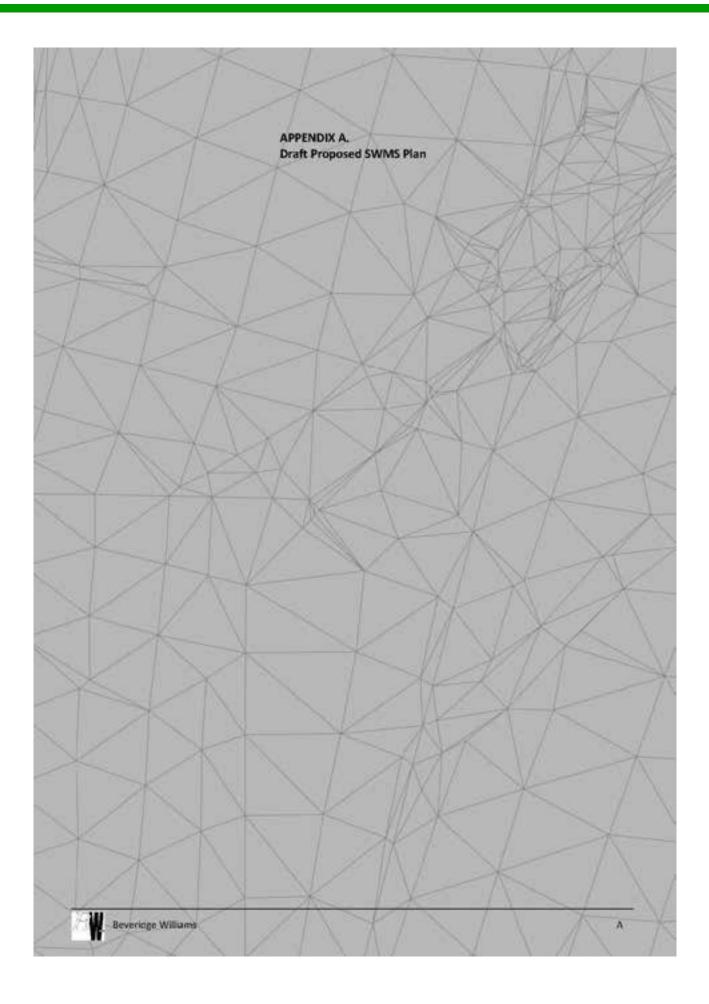
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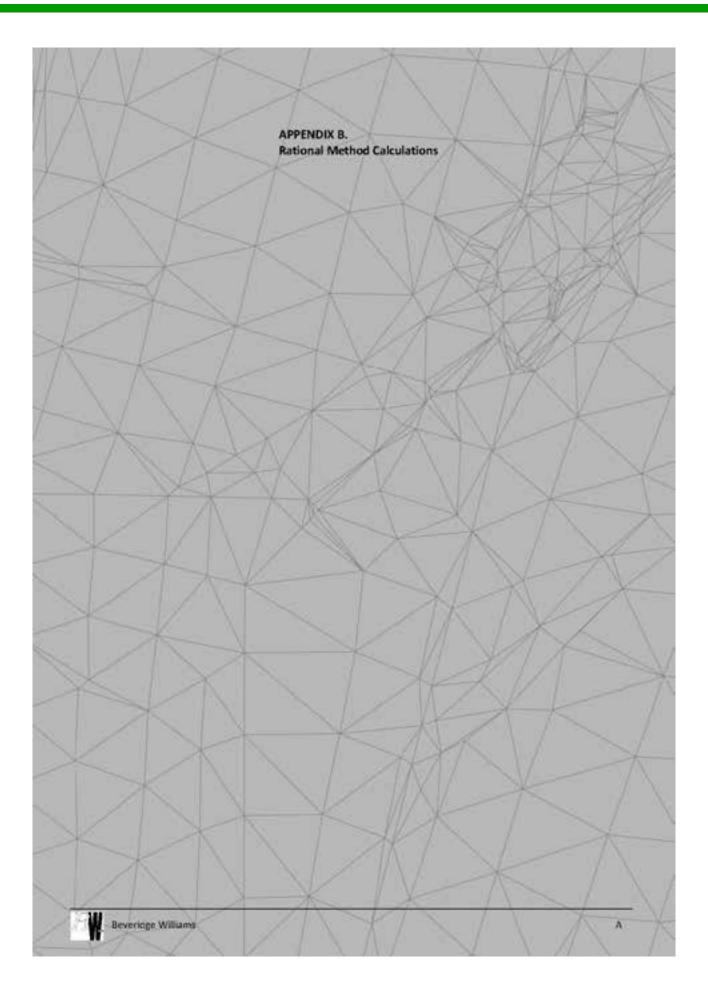
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a. Pro-Developed How

15/66/2014

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		POST-DEVELOPMENT		
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25.630	31,879	58.500	179.400	8.01

 $\begin{array}{l} \mbox{trans} & \mbox{trans} \\ U^{0}{}_{11} = 0.1 + 0.0133 + \left({}^{12} f_1 - 2 f \right) & \mbox{trans} \\ U^{0}{}_{12} = 0.9 + f + U^{0}{}_{12} + 0.9 + 0.9 + f + U^{0}{}_{12} + 0.9 + f + U^{0}{}_{12} + 0.9 + f + U^{0}{}_{12} + 0.9$

DETENTION BASIN REQUIRED CAPACITY (m1) (RATIONAL / POERTNER METHOD) 2.181 1.000 The second secon 1.000 1 yielder ----a keri 4-000 = ź 2 # . = 2 free (select

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TUTAL STURAGE REQUIRED	
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RATIONAL / POERTNER METHOD	
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B		Red-Deve	loped Flow	Calculations				1	Mare Project: Subject:	Wellington Unive General Servit Warruk - Celulment & POST OF VELOPMENT FLORE						-	Rene:	17/6	1/2818
									Lid No.	140034	CREWEATERS					-	fly:		151
eafer:			Same		1										(setting	****			
Al Year's		-	200									1							
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	1.64	191.00	0.01	Augsturit	0.061	15.87	7.00	8.38	9.04	Best Westurn Density	0.4	0.040	0.716		8.794	1.17	1.174	345.78	
39	1.00	\$79.00	0.01	Augman	0.063	#3.58	7.00	8.00	8.50	Best Medium Dentity	1.8	0.068	0.716		8.794	1.10	1.304	347.04	
44	6.48	195.00	-0.04	Aphalt	0.043	核局	7,00	4.11	5.13	Bap Median Density	2.8	0.069	6716	1. A	8.794	1.15	FTMF.	3/46.37	
. AK	8.42	49.00	6.04	Agnut	0.041	10.76	7.00	8.26	9.24	Basi Meetium Denoty	-34	0.063	0.736		8,796	3.46	1.0(4	\$51.80	
AF .	8,00	10.66	0.01	Aighvith	-0.041	42.07	7.00	8.94	6.64	Build Maratturia Denroity	34	0.064	0.716		8.794	8.74	8.767	dis Tier	
62	1.55	341.80	0.01	Agnuit	0.082	41.17	7.00	1,00	6.87	Real Meeture Density	9.4	0.057	0.716		8,754	1.11	1.209	3/8.42	
84	6.17	100.00	0.01	Denie Brass	0.001	34.68	F.00	6.28	6.46	Public Park		0.907	0.342	1.1	8.369	0.00	0.075	114.28	
88	8.00	101.00	8.81	Aquital	0.282	12.56	. F.00	8.96	8.18	Best Westion Dents	2.6	0.001	0.718		8.754	8.74	2.738	255.28	
81	8.00	104.000	-9.00	Autor	0.081	45.87	1.00	6.36	8.39	Bala Meeture benuty	2.4	0.011	0.718		8,704	2.84	2,986	185.78	
80.	3.54	374.80	0.01	Avenue	0.061	34,18	1.90	30.00	10.44	Basi Vestion Density	2.6	0.128	0.736	1	8.794	1.40	1.400	109.04	
- 201 M	34,130					1			26.025		20	0.544			1947		15.195	111.436	1.4

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 $t = 6.94 \frac{1}{1^{++} \times S^{+++}}$ Transmission .

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 $f = \sum_{i} \left[f_{i+1} + \frac{\sigma_{i+1}}{A_{i+1}} \right] + \left[f_{i+1} + \frac{\sigma_{i+1}}{A_{i+1}} \right]$ fit is Catlen Insurant Table

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6. Pert Desiligant Plan

25/03/2016

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D	Pre-Devel	oped New Cal	culations				Project	South Warrak -	Catch/event #						1
- T							Sultient	PRE-DEVELOPM	ENT FLOW CALC	ANTONS					1.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
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NOTAL.	16.130	ALMALE		12.00		- 11 90		8.300	0.242			_	4.001	84.34	1012131

to Calculated using

 $d_{_{\rm o}}=0.76\times\mathcal{A}^{^{0.10}}$

Weighted Fric Impervising :

 $f = \sum_{i} \left(f_{im} + \epsilon \frac{A_{im-1}}{A_{im}} \right) + \left(f_{im} + \epsilon \frac{A_{im-1}}{A_{im}} \right)$

CSD Calculated leving i C1==0.1+0.0138(17,-23 $\ell_{1+}^*\!=\!0.9\!\times\!f\!+\!\ell_{1+}^*\!\times\!\!\left(\!1\!-\!f\!\right)$ Feation 14.13 and 14.12 ANRA

Q Calculated using $Q = \frac{A_{+} + A_{-}}{360}$

Rational Method :

Tourios3.4AMBR

4/Lafe Detr/1400147 Wursk recording application/_Drg/00/Design/_Dramage/1400147-Cetch 8-0100 als

a. Pro-Developed How

15/66/2014

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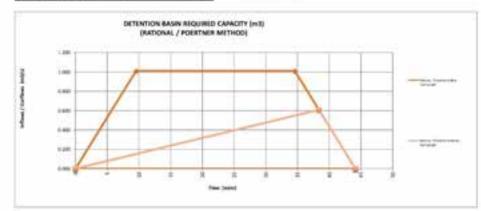
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TUTAL STURAGE REQUIRED	
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RATIONAL / POERTNER METHOD	
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	2.25	179-00	0.01	Autor	0.061	48.75	7.00	8.50	4,30	Best Vesture Density	24	0.17%	0.716		8.794	1.54	1.107	111.04	
48	2.94	344.00	0.01	Augment	0.063	15.16	1.00	8.11	9.24	Best Medium Dentity	2.4	0.358	0.716		8.794	1.3.88	1.613	144.17	- A184
43	2.67	283.00	0.24	Autor	0.06J	\$7.58	7.00	8.54	\$ 53.	Bea Medium Density	5.6	9.345	6.716	1	8.796	1.01	1.918	141.75	0.00758
									4.504			0.636					1.10/	143.765	1.1.004

Th Calculated using

 $t = 6.94 * \frac{(p_{\rm e} \times n^2)^{24}}{J^{10} \times S^{10}}$ Distance.

(35-Celoyatered using) C==01+00133[77-23 $C_{a} = 0.9 \times f + C_{b} = (1 \cdot f)$

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 $Q = \frac{A_{+}+4}{360}$

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Hageted Practice Reparently Long

 $f = \sum_{i=1}^{n} \left(f_{i+1} + \frac{A_{i+1}}{A_{i+1}} \right) * \left(f_{i+1} + \frac{A_{i+1}}{A_{i+1}} \right)$

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Erms Area of Extension (Ma)

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6 Pert Desiligant Plan

25/03/2016

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10144	7.540	ALMALE		10.94		14.04		8.300	0.342	_			1.001	100.11	LAN

to Calculated using

 $d_{_{\rm o}}=0.76\times\mathcal{A}^{^{0.10}}$

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 $f = \sum_{i} \left(f_{im} + \epsilon \frac{A_{im-1}}{A_{im}} \right) + \left(f_{im} + \epsilon \frac{A_{im-1}}{A_{im}} \right)$

CSD Calculated leving i C1==0.1+0.0138(17,-23 $\ell_{1+}^*\!=\!0.9\!\times\!f\!+\!\ell_{1+}^*\!\times\!\!\left(\!1\!-\!f\!\right)$ Feation 14.13 and 14.12 ANRA

Q Calculated using $Q' = \frac{A_1 + A_2}{360}$

Rational Method :

Tourios3.4AMBR

6/Sallo Detr/3400547 Warek recovery application/_Drg/009/ovejp/_Dramap/3400547-Cetch C-0380-Ait

a. Pro-Developed How

15/66/2014

Billet location to age Calculates

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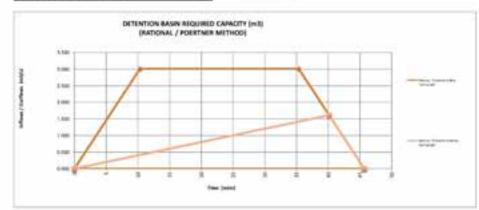
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	POST-DEVELOPMENT									
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 $\begin{array}{l} \label{eq:constraint} & \text{(i)} \\ C^{*}{}_{ii} = 0.1 + 0.0133 + \left({}^{ii} I_{i} - 2 t \right) & C^{*}{}_{ii} + 0.9 \times f + C^{*}{}_{ii} + (0 - f) \end{array}$



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	RATIONAL / POERTNER METHOD	
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B		Red-Deve	Ropert Flow	Culturations					Clare: Project: Subject:	Wellington Unive Geural Seath Warry& - Celuliment I POST DEVELOPMENT FLORE							line:	1. 104	1/2814
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49	8,87	331.00	0.01	Augment	0.063	10.84	7.00	18.50	\$30	Bed Medium Dentity	14	0,048	0.716		8.794	1.44	3.418	341.19	
18	2.8	141.00	-0.04	Auright	0.043	43.08	- 7,00	. \$2.34	18.33	Bap Median Density	2.8	0.055	6716	1.	8.794	LAR	3.862	117.31	
- AL	-1.20	344,30	6.04	Agenate	0.063	13,90	7.00	5.78	9.78	Basi Meetium Denoty	-34	0.048	0.736		8,796	1.44	1.40	10.36	
- 44	8.39	171-00	0.01	Agnut	-0.041	40.50	7.00	0.44	6.84	Beloi Meetoria Derrotty	34	0.040	0.716		8.794	. 1.11	1.81	343.44	
H	L.19	97.00	0.01	Agnut	0.842	39.26	7.00	8.37	8.27	Real Westurn Density	5.4	0.041	0.716		8,754	1.07	8.1%	154.00	
- 14	1.11	116.00	0.01	Auturt	0.081	+0.25	1.00	1.61	1.10	Bas Medicin Delaity	3.4	0.068	0.716	1.1	8,796.1	1.29	1.100	155.28	
40	8.30	391.80	8.61	Applie	0.082	81.94	\$.00	0.94	8,84	Public Park		0.001	0.340		8.360	1.01	2.448	\$10.28	
.84	1.32	125.00	-9.01	Autor	0.083	-10.99	1.00	8.54	\$34	Real Weature Density	- 14	0.0418	0.718		8,704	1.88	1.841	133.30	
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6. Pert Desiloget Plea

25/03/2016

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- T							Sultient	PRE-DEVELOPM	ENT FLOW CALC	URATIONS					
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NOTAL.	21.830	ALMALL		17.38	-	17.26		8.300	0.342				1.364	71.45	1.412

To Calculated using

 $d_{_{\rm o}}=0.76\times\mathcal{A}^{^{0.10}}$

Weighted Fric Impervising :

 $f = \sum_{i} \left(f_{im} + \epsilon \frac{A_{im-1}}{A_{im}} \right) + \left(f_{im} + \epsilon \frac{A_{im-1}}{A_{im}} \right)$

CSD Calculated leving i C1==0.1+0.0138(17,-23 $\ell_{1+}^*\!=\!0.9\!\times\!f\!+\!\ell_{1+}^*\!\times\!\!\left(\!1\!-\!f\!\right)$ Feation 14.13 and 14.12 ANRA

Q Calculated using $Q = \frac{A_{+} + A_{-}}{360}$

Rational Method

Tourios 3.4 AMBR

6/Lolio Detr/1400147 Warek recovery application/_Drg/09/Design/_Dramaph/1400147-Cetch D-0200.48

a. Pro-Developed How

15/66/2014

Detention Statuge Calculator NEAT HOLATION

PRE-BEVELOPMENT ARE POLE DEVELOPMENT AN

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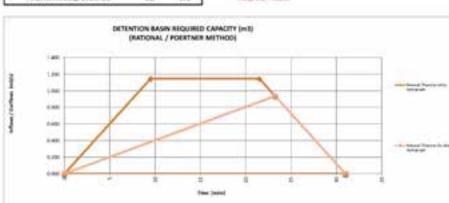
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Q Calculated using $Q' = \frac{A_1 + A_2}{360}$

Rational Method :

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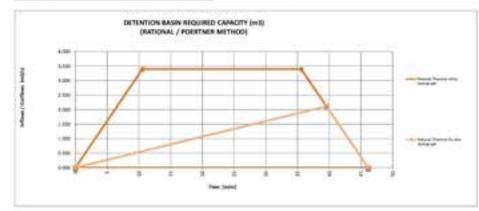
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Streets Derivative Description (March 1997)

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	1.48	86.50	0.01	Augman	0.063	34.35	7.00	7.84	1.84	Red Line Density	1.1	0.008	0.918		4.313	0.33	0.538	154.90	
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	1.39	113.30	6.04	Agenuit	0.064	10.52	7.00	8.28	6,33	Ber Low Eworks	- 8.6	0.048	6.814		0.352	5.84	1.849	153.54	
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6 Pert Desiligant Plan

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to Calculated using

 $d_{_{\rm o}}=0.76\times\mathcal{A}^{^{0.10}}$

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 $f = \sum_{i} \left(f_{im} + \epsilon \frac{A_{im-1}}{A_{im}} \right) + \left(f_{im} + \epsilon \frac{A_{im-1}}{A_{im}} \right)$

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Q Calculated using $Q' = \frac{A_1 + A_2}{360}$

Rational Method :

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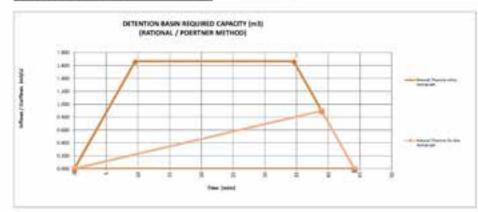
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. N.	1.71	110.00	0.03	Autor	0.061	15, 88	7.00	8.43	9.23	Best Vesturis Density	24	0.068	0.716	1.1	8.794	1.8	1.141	142.11	
- W	2,08	85.00	0.01	Augment	0.063	37.96	7.00	4.54	6.56	Bend Mealture Denotity	14	0.089	0.716		8.794	1.84	3.439	141.7%	1.88
	2.13	100.00	-0.04	Aphalt	0.043	30.82	7,00	3.06	\$36	Bep Median Density	2.8	0.305	6.716		8.794	1.52	1.525	34656	
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1	9,26	179,00	0.01	Agnut	0.041	42.84	7,00	4.57	6.67	BAG Medium Density	34	0.167	0.716		8.794	1.44	1.838	241.74	
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 $f \sim \sum \left(f_{ss+1} \star \frac{d_{sm+1}}{d_{sd}} \right) \circ \left(f_{sm+1} \star \frac{d_{sm+1}}{d_{sd}} \right)$

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6 Pert Desiligant Plan

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Prepared For: Beveridge Williams and D. Page, B.Hollonds & D.Hollonds, S.Bailey & M.Bailey

June 2014

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ENVIRONMENTAL, PLANNING & NATURAL RESOURCE MANAGEMENT

Beveridge Williams and D.Page, B.Hollonds & D.Hollonds, S. Balley & M.Balley

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Cover Photo: Scattered Tree (Red Gum) at the Study Site

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EXECUTIVE SUMMARY

Ethos NRM has undertaken a vegetation assessment of the following land parcels (comprising the study site) which are the subject of a rezoning application to develop the land for residential use:

- Lots 6 and 7 on PS702630;
- Lot 1 on PS410216;
- CA21, Section E, Parish of Wurruk Wurruk;
- Lot 2 on PS610634;
- CA19, Section E, Parish of Wurruk Wurruk; and,
- Lots 1 & 2 on PS415183.

The land has historically been cleared and is currently used for agricultural purposes. Onsite assessment of vegetation at the study site recorded:

- Native Vegetation
 - 44 Scattered Trees representative of the EVC Plains Grassy Woodland.
 - Remnant vegetation does not meet the definition of the EPBC listed Gippsland Red Gum Grassy Woodland ecological community.
 - No particular significant vegetation values were recorded, however many of the scattered trees are very large with hollows that may provide habitat for native fauna.
- Planted Vegetation
 - Exotic and native tree species are planted along roadsides, in shelterbelts along fences, and in paddocks.
- Introduced pasture species dominate the groundcover across the entire study site, reflecting the current and past agricultural land use (grazing and cropping).

No rare or threatened flora or fauna species were recorded by Ethos NRM during the site visit. It is not expected that there will be any significant impacts on Commonwealth Matters of National Environmental Significance identified from the desktop search.

Potential implications of native vegetation removal under the Guidelines include:

- Removal of any of the identified Scattered Trees will require a permit from Wellington Shire Council and a commensurate Offset under the Guidelines.
- Two native trees on Lot 7 PS702630 are protected by a Section 173 Agreement and cannot be removed (excluded from the Scattered Trees assessment).
- The study site is entirely within Location A for determining the risk-based pathway for an application to remove native vegetation.
- The removal of less than 15 trees will result in the low-risk pathway requiring:
 - No detailed Habitat Hectares Assessment required
 - General offset required only
 - Simpler reporting requirements
- The removal of 15 or more trees will result in the moderate-risk pathway requiring:
 - Habitat Hectares Assessment required
 - General and/or Specific offset required
 - More complex reporting requirements
 - Increasing Offset requirement

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- Calculation of the extent of native vegetation removal for determination of the riskbased pathway must include any permitted vegetation removal on any of the properties contributing to the study site within the previous five years.
- Total impacts on native vegetation from the development and use of the land that must be offset needs to consider any indirect impacts such as:
 - Changes to hydrology
 - Effluent discharge
 - Stormwater runoff
 - Excessive shading of vegetation
 - Adequacy of protection of retained vegetation during construction and use

The DEPI Online NVIM tool was used to compare the relative value of Scattered Trees across each land parcel under a low-risk pathway. This indicated that:

- the removal of trees from Lots 6 and 7 on PS702630 and Lot 1 PS410216 would result in the lowest offset requirement per tree removed,
- the highest offset requirements will most likely be generated by the removal of trees from Lot 1 PS415183 and Crown Allotment 19 Section E.

It is recommended that vegetation removal is avoided as far as practicable, and both direct and indirect impacts on native vegetation are minimised through subdivision design, in order to reduce the complexity of further vegetation assessment and offset requirements and inherent costs associated with these.

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ENVISORMENTAL, PLANNING & NATURAL RESOLNCE MANAGEMENT CONSULTANTS Page 5 Vegetation Assessment for Rezoning Application – Wurnik Beveridge Williams and D Page, B Hollonds & D Hollonds, S. Bailey & M Bailey

1 INTRODUCTION

Ethos NRM has been engaged by Beveridge Williams on behalf of the landowners of eight parcels of land (the Study Site) located between the Princes Highway and Settlement Road in Wurruk, to undertake an assessment of vegetation quality and significance. The land is the subject of a proposal to rezone and develop the land for residential use.

Where possible the proposed development is intended to retain most of the native vegetation through subdivision design, however complete avoidance may not be practicable.

A preliminary assessment of vegetation at the study site has been undertaken by Ethos NRM, to identify the presence of, and map the location of, native vegetation, and to categorise native vegetation in accordance with the *Permitted Clearing of Native Vegetation - Biodiversity Assessment Guidelines* (DEPI, 2013a) herein referred to as the 'Guidelines'.

This report provides an outline of the legislative requirements for potential native vegetation removal and likely Offset Requirement in Biodiversity Equivalence Units (BEUs).

1.1 Objectives

The broad objectives of this Vegetation Assessment are to:

- identify and map any native vegetation (remnant patch or scattered trees) across the study site,
- identify any areas of significant vegetation,
- provide advice on the potential approval requirements for any vegetation removal and likely offset requirements.

1.2 Site Location and Description

The study site is located approximately 4km east of Sale, and comprises the following eight parcels of land in Wurruk:

- Lots 6 and 7 on PS702630;
- Lot 1 on PS410216;
- CA21, Section E, Parish of Wurruk Wurruk;
- Lot 2 on PS610634;
- CA19, Section E, Parish of Wurruk Wurruk; and,
- Lots 1 & 2 on PS415183.

The site is accessible from The Ridge, Arnup Road, Kilmany Park Track and Settlement Road, see Figure 1. The properties are currently utilised for agricultural use (cropping/grazing).

The site has historically been cleared of most native vegetation, with remnant scattered trees throughout all but one of the land parcels. Grasses are dominated by a mixture of introduced pasture species, reflective of current and prior agricultural land use. The adjacent roadside vegetation is also comprised predominantly of introduced pasture species, other weed species or planted vegetation (exotic and native species).

1.3 Planning Context

The study site is located within the Wellington Shire Council area, with the current zoning of land either in Low Density Residential Zone (LDRZ) or Farming Zone (FZ), as

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summarised for each lot in Table 1 below. Planning Zones and Overlays were sourced from Planning Maps Online (DTPLI, 2014).

There are existing planning controls related to vegetation across Lots 1 & 2 on PS415183 under the Heritage Overlay, which includes non-native planted vegetation around Kilmany Park.

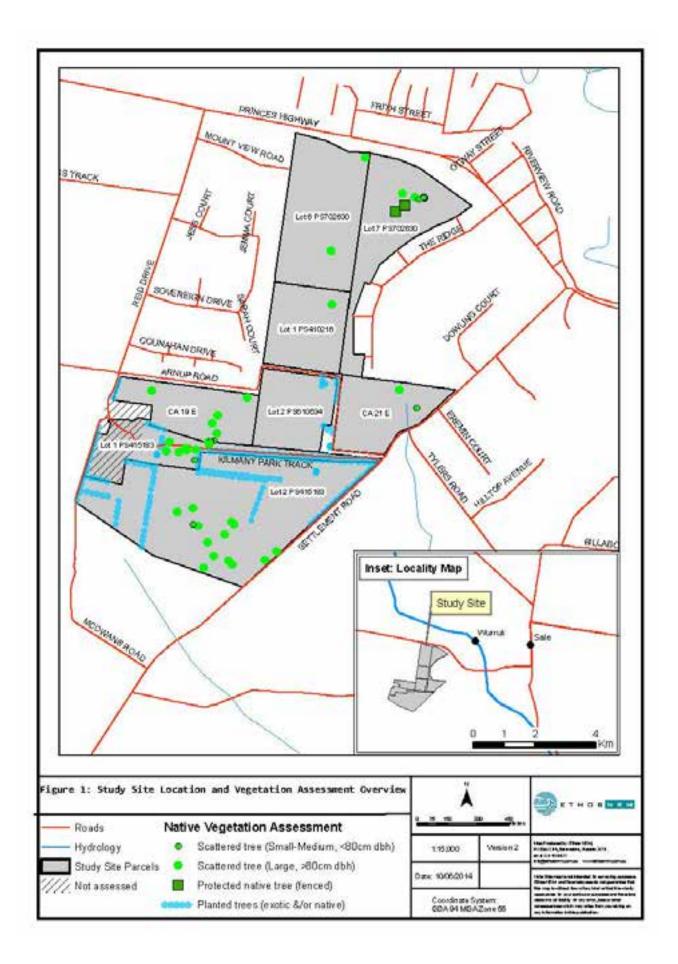
The study site is entirely within a Designated Bushfire-prone Area, which requires certain Building Standards to be met, but does not trigger specific planning controls in relation to native vegetation.

Land parcel/lot	Zo	ning	Overlays	Notes			
	Current Proposed						
Lot 6 PS702630	LDRZ	R1Z	DDO6	The portion of land excised under PAO			
			DPO1	was excluded from the assessment.			
			PAO1				
Lot 7 PS702630	LDRZ	R1Z	DDO6	This parcel is within, or affected by, one			
			DPO1	or more areas of cultural heritage sensitivity as described in the Aboriginal Heritage Regulations 2007.			
Lot 1 PS410216	LDRZ	R1Z	DDO6				
			DPO1				
CA21, Section E,	FZ	R1Z	DDO6	FO and LSIO applies to eastern half of			
Parish of Wurruk Wurruk			DPO1	parcel. This parcel is within, or affected by, one or more areas of cultural heritage			
			FO	sensitivity as described in the Aboriginal			
			LSIO	Heritage Regulations 2007			
Lot 2 PS610634	FZ	R1Z	DDO6				
CA19, Section E, Parish of Wurruk Wurruk	FZ	LDRZ	DDO6				
Lot 1 PS415183	FZ	LDRZ	DDO6	FO and LSIO applies to eastern extent of			
			FO	parcel at Settlement Rd. HO68 applier tree controls at Kilmany Park, and			
			LSIÓ	HO151 refers specifically to an Oak Tree			
			HO151 HO68				
Lot 2 PS415183	FZ	LDRZ	DDO6	FO and LSIO applies to eastern extent o			
			FO	parcel at Settlement Rd and southwes corner near Moowans Rd. HO68 applies			
			LSIO	tree controls at Kilmany Park.			
			HO68				

Table 1: Summary of Planning Zones and Overlays

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2 ASSESSMENT METHODOLOGY

The following steps have been undertaken to assess potential vegetation values on the 8 land parcels comprising the study site:

- Desktop Investigation
- Field Survey Identification of native vegetation and assessment of significance of vegetation
- Provide advice regarding the Risk-based Pathway and approval of native vegetation removal and offsetting under the Guidelines

Results of the desktop and field investigations are detailed Sections 3 and 4 of this report.

2.1 Desktop Investigation

Desktop investigation of flora data was initially used to gather information on the site prior to undertaking vegetation assessments and preparation of this report. Ethos NRM has obtained data for the occurrence and description of bioregions, EVCs, Rare or Threatened flora and Threatened Ecological Communities from a number of sources, including:

- Planning Maps on-line (DTPLI, 2014)
- EPBC on-line Protected Matters Search Tool (SEWPAC, 2014)
- DEPI Interactive Maps Biodiversity Interactive Maps (DEPI, 2014a)
- DEPI Ecological Vegetation Class Benchmark Descriptions (DEPI, 2014b)
- DEPI Bioregion Descriptions (DEPI, 2014b).
- DEPI Native Vegetation Information Management Tool (DEPI, 2014c)

2.2 Field Survey

Vegetation on-site was assessed as planted (exotic and/or native species), pasture or 'native vegetation' in accordance with the *Guidelines* (*DEPI*, 2013a). Any native vegetation identified was mapped and categorised as a remnant patch or scattered trees. Diameter at Breast Height (DBH¹) of trees was measured where possible.

The sites were surveyed by a DEPI Accredited Native Vegetation Assessor on the 6th May 2014.

2.3 Taxonomy

Common and scientific names for terrestrial vascular plants within this report follow the Victorian Biodiversity Atlas (VBA) of the Department of Environment and Primary Industries (DEPI).

2.4 Survey Limitations

The survey effort combined with information gathered from other sources is considered adequate to assess the significance of vegetation and flora values within the study site, to meet the objectives in Section 1.3.

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⁴ DBH - Diameter at Breast Height of a tree, which is measured at 1.3m off the ground.

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3 RESULTS

3.1 Desktop Investigation

A desktop investigation was conducted to identify potential significant biodiversity values at the study site, with regard to relevant Commonwealth and State legislation and policies.

3.1.1 Commonwealth Biodiversity Values

The Environment Protection and Biodiversity Conservation (EPBC) Act 1999 is the Australian Government's environmental legislation which provides a legal framework to protect and manage nationally and internationally significant flora, fauna, ecological communities and heritage places, defined in the EPBC Act as Matters of National Environmental Significance.

If a proposed action has the potential to have a significant impact on a Matter of National Environmental Significance, then an EPBC Referral is required to determine whether approval will be required to undertake the activity (i.e. controlled action).

An online EPBC Protected Matters Search was undertaken and the results identified the following Matters of National Environmental Significance within 5km of the study site (see Appendix 1). Results of the EPBC Protected Matters Search included:

- 1 Wetland of International Importance (RAMSAR Gippsland Lakes)
- 1 Listed Threatened Ecological Communities
- 1 Threatened Flora Species
- 12 Threatened fauna species
- 11 Listed Migratory Species

3.1.2 State Biodiversity Values

Legislation relevant to native vegetation conservation and management in Victoria include the Flora and Fauna Guarantee Act 1988, Planning and Environment Act 1987 and Catchment and Land Protection Act 1994. Relevant policy documents include the 'Permitted Clearing of Native Vegetation Biodiversity Assessment Guidelines' (DEPI, 2013a).

DEPI databases (Biodiversity Interactive Maps) were reviewed to identify rare and threatened species and communities that are modelled to occur or have been previously recorded at the study site. There are no previous records of rare or threatened flora or fauna species within the study site on DEPI databases (DEPI, 2014a).

DEPI Ecological Vegetation Class (EVC) mapping (see Appendix 2) at the study site indicates small areas of Plains Grassy Woodland (EVC 55) within each property, and small patches of Deep Freshwater Marsh on Crown Allotment 21 Section E and Lot 2 PS415183. The majority of the study site is mapped as being devoid of native vegetation.

Impacts of native vegetation removal on State biodiversity values, such as rare and threatened species and communities, are integrated into the provisions of the Guidelines.

3.2 Field Survey

On-site assessment of vegetation was conducted to identify the presence and significance of any native vegetation present at the site, as well as other potential biodiversity values identified through the desktop assessment.

3.2.1 Native Vegetation Assessment

The field assessment of the study site undertaken by Ethos NRM identified that native vegetation is present, as defined by the Guidelines (see below). All native vegetation

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met the definition of Scattered Trees, representative of the EVC Plains Grassy Woodland.

Native vegetation is defined in the Victoria Planning Provisions as

"plants that are indigenous to Victoria, including trees, shrubs, herbs and grasses."

A remnant patch of native vegetation is either:

 an area of vegetation where at least 25% of the total perennial understorey plant cover is native

 any area with three or more native canopy trees* where the canopy foliage cover is at least 20% of the area

A scattered tree is

- a native canopy tree* that does not form part of a remnant patch

*A canopy tree is a mature tree that is greater than 3 meters in height and is normally found in the upper layer of the relevant vegetation type.

Definitions from Section 2.2, page 5 of the Guidelines.

A total of 44 scattered canopy trees (living) were recorded across the study site (Refer to Figure 1 and Appendices 3 and 4), predominantly Gippsland Red Gum (Eucalyptus tereticornis subsp. mediana), River Red Gum (Eucalyptus camaldulensis), or hybrids between the 2 species. Due to recent cropping and grazing, flowering material was difficult to find, absent, or out of reach. Some of the flower buds appeared intermediate between the two Red Gum species, and hence may be hybrids.

There are an additional two native trees (Red Gums) in Lot 7 PS702630 which are fenced off and protected by an existing Section 173 Agreement. These trees were excluded from the native vegetation assessment, but their locations are indicated in Figure 1 and Appendix 4a.

DBH was measured for 41 of the scattered trees and estimated for 3 trees (see Appendix 3), and ranged from 19cm to 158 cm. Large old trees in the EVC *Plains Grassy Woodland* in the Gippsland Plains are classified as 80cm or larger; 32 Scattered Trees had a DBH of 80cm or larger. Most of the very large trees had several hollows, which may provide habitat for some native fauna species including birds and possums. While none of the trees are rare or threatened species, they do have values associated with their age and size.

3.2.2 Planted Vegetation and Exotic Species

There is planted vegetation (predominantly exotic with some native species) along Arnup Road, Kilmany Park Track and Settlement Road, as well as shelterbelts between paddocks and scattered pine trees in paddocks within Lots 1 and 2 on PS415183. There was no native vegetation recorded on Lot 2 PS610634, only shrubs of the weed species Boxthorn (Lycium ferocissimum) and pasture species were recorded within this parcel.

There are also several planted trees in the grounds immediately surrounding the buildings at Kilmany Park, comprising mostly exotic species, with some native tree species, although these were not assessed (see Figure 1).

Under Clause 52.17 of the Planning Scheme, removal of planted native vegetation (which has not been government funded) is exempt from a permit and hence does not need to meet the requirements of the *Guidelines* (and thus does not need an offset).

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It should be confirmed with the landowners that planted vegetation has not been planted as part of a government funded project before assuming that it is exempt under Clause 52.17 of the Planning Scheme from requiring a planning permit and offset.

Some of the exotic trees within the Kilmany Park grounds are protected by Heritage Overlays; hence it should not be assumed that non-native trees in this area are exempt from a planning permit.

3.3 Native Vegetation Description

3.3.1 Bioregion

The study site is located within the Gippsland Plain bioregion which consists of flat low lying coastal and alluvial plains with gently undulating terrain dominated by barrier dunes and floodplains and swampy flats. The soils associated with the upper terrain support Lowland Forest vegetation types, and while the dunes are predominantly sandy soils supporting Heathy Woodland and Damp Sands Herb-rich Woodland vegetation types. The fertile floodplains and swamps support Swamp Scrub, Plains Grassy Woodland, Plains Grassy Forest, Plains Grassland and Gippsland Plains Grassy Woodland/Gilgai Wetland Mosaic vegetation types (DEPI, 2014b).

3.3.2 Ecological Vegetation Classes

Remnant vegetation, soil and site characteristics indicate that the DEPI EVC mapping is reasonably accurate, and the site is consistent with Plains Grassy Woodland (EVC 55). However the DEPI mapping overestimates the occurrence of native vegetation at the study site.

The freshwater marsh in CA21E appears to be a freshwater wetland which has been modified through past land use and development of the adjacent subdivision, and is currently grazed. The single pixel mapped in Lot 2 PS415183 did not correspond to a wetland.

Bioregional Conservation Status describes how threatened or rare an EVC is within a Victorian bioregion, by comparing the current extent of an EVC compared to the predicted extent pre-European settlement (pre-1750). Plains Grassy Woodland (EVC 55) is listed as Endangered, the highest rating, and Deep Freshwater Marsh is listed as Vulnerable in the Gippsland Plains bioregion.

3.4 Native Vegetation Significance

No rare or threatened flora or fauna species were recorded during the field survey.

3.4.1 Commonwealth Legislation

The study site is located within the catchment of the Gippsland Lakes Ramsar site. While it is unlikely that the scale of development of the site would have a significant impact on the Ramsar site, it should be considered in subdivision design.

The EVC Plains Grassy Woodland is recognised as contributing to the Commonwealth listed ecological community Gippsland Red Gum Grassy Woodland and Associated Native Grassland, however native vegetation at the study site did not meet the definition of the EPBC listed community.

The landscape within and surrounding the study site is largely cleared of vegetation and utilised for either agriculture or housing; the remaining vegetation is scattered and isolated with highly modified structure. It is not likely that the study site provides important habitat for threatened flora or fauna species, or migratory species.

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Hence, it is not expected that any of the Protected Matters with potential to occur at the study site, as listed in Appendix 1, will be impacted upon by removal of Scattered Trees at the study site.

3.4.2 State Legislation

Removal of any of the identified Scattered Trees will require a permit to remove native vegetation from the Wellington Shire Council. Impacts of native vegetation removal on State biodiversity values, such as rare and threatened species and communities, are integrated into the provisions of the *Guidelines*. The *Guidelines* are described in more detail in Section 4 below.

4 IMPLICATIONS OF NATIVE VEGETATION REMOVAL

4.1 Victoria's Native Vegetation Permitted Clearing Regulations

State Policy for vegetation removal requires that the impacts on biodiversity from proposals to remove native vegetation, including scattered trees, are assessed according to the *Guidelines* (DEPI, 2013a). Application requirements for a permit to remove native vegetation are determined by the relevant risk-based pathway, **Iow**, moderate and high risk, as defined by the *Guidelines*. The risk-based pathway is identified from a combination of extent risk (the amount of vegetation proposed to be removed) and **Iocation risk** (DEPI modelled strategic landscape value) of a site.

The risk-based pathway dictates the detail of information required, including the need for detailed on-site vegetation condition assessment (Habitat Hectares), and the decision guidelines for assessment of that application (DEPI, 2013b).

4.1.1 Identification of the Risk-based Pathway and Application Requirements

Preliminary examination of the online DEPI Native Vegetation Information Management (NVIM) Tool (DEPI, 2014c) Location Risk Map indicated the entire study site to be within Location A. The Location Risk is then combined with the number of scattered trees proposed to be removed (Extent Risk), which would result in an application to remove vegetation to follow either the Low- or Moderate-risk pathway, as defined in Table 3 in the Guidelines.

For determination of the risk pathway, the extent includes the total amount of approved native vegetation removal on the same property under the same ownership within the previous five years (from the date an application to remove native vegetation is lodged).

The Study Site is entirely within Location A.

The risk-based pathway for removal of Scattered Trees in Location A will be either:

<15 trees removed = Low-risk pathway OR

>15 trees removed = Moderate-risk pathway.

There are substantial differences between the requirements for applications under the low and moderate pathways. Applications under the low-risk pathway can essentially be completed as a desktop assessment, whereas the moderate-risk pathway requires more detailed on-site assessment and mapping of vegetation extent using GIS, and more involved reporting.

4.1.2 Direct and Indirect Loss of Native Vegetation

The total loss of native vegetation resulting from land development includes both direct removal, and indirect impacts on native vegetation, such as; changes to hydrology, effluent discharge, stormwater runoff and excessive shading on vegetation (DEPI, 2013b).

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All retained vegetation must be adequately protected during construction, due to potential impacts from compaction and excavation close to tree roots. The measure used to protect retained vegetation are *Tree Retention Zones*, which are defined as a radius around a Scattered Tree based on the size (diameter) of the tree, and must be demonstrated in an application to remove vegetation. Any retained trees which cannot be adequately protected during construction resulting from the proposed development must be assumed to be lost.

Tree Retention Zones are calculated as a radius of 12 times the diameter at breast height, from a minimum of 2 metres up to a maximum of 15 metres (DEPI, 2013b). These zones have been calculated for all recorded Scattered Trees (except for fenced protected trees) across the study site based on measured or estimated DBH of each tree, and are indicated in Appendices 3 and 4.

4.2 Offsetting Native Vegetation Losses

Where vegetation removal cannot be avoided, provision of offsets is required to compensate for the impacts on biodiversity; the purpose of an offset is to achieve a 'no net loss' in the contribution made by native vegetation to Victoria's biodiversity.

Offsets are achieved through the long-term protection, enhancement and management of the quality and quantity of native vegetation. Offsets can be achieved on private land owned by the proponent or a third party, or sourced as Native Vegetation Credits through accredited native vegetation Offset Brokers.

A formal agreement is required in all instances to secure the ongoing protection and management of the nominated offset site.

4.2.1 Calculating offset requirements for scattered trees

Offset requirements cannot be calculated for the proposed development of the study site without knowing which vegetation may be removed, as the location and extent of vegetation proposed for removal must be accurately mapped. The general process for calculating offsets is described below. In addition, an example of potential offset requirements for the study site under the low-risk pathway is provided in Section 4.2.4.

Native vegetation losses for Scattered Trees are calculated by using a purpose-built Native Vegetation Information Management Tool developed by DEPI, which attributes each Scattered Tree with a standard area of loss of 0.071 hectares. The tool assesses the mapped area of vegetation proposed to be removed against DEPI models to determine the type, quantity and attributes of the offset required.

Offsets under the Guidelines comprise two types:

- general biodiversity equivalence units (GBEUs) and/or
- specific biodiversity equivalence units (SBEUs)

Vegetation removal under the low-risk pathway comprises only general units (GBEUs), whereas under the moderate-risk pathway may comprise one or both of general units (GBEUs) and/or specific units (SBEUs). Specific units may be more difficult to source than general units.

At the time of preparing this report, all vegetation loss data for moderate and high riskbased pathway applications are processed by DEPI to provide the offset calculations under the *Guidelines*, in the form of a *Biodiversity impact and offset requirements report*. DEPI requires the proponent to provide a GIS Shapefile of the Scattered Trees proposed for removal. A report covering the vegetation removal is then supplied by DEPI which defines the offset requirements.

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4.2.2 Offset Attributes

When a general offset is required the offset secured must meet the *minimum strategic* biodiversity score and vicinity attributes.

Any general offsets required for the removal of Scattered Trees at the Study Site must:

- be located within the West Gippsland Catchment Management Authority boundary, or Wellington Shire boundary, AND
- have a minimum strategic biodiversity score as stated in the Biodiversity assessment report generated by the NVIM tool (not yet known; will depend on the individual trees proposed for removal, refer to Table 2 for indicative values).

When a specific offset is required the offset secured must meet the number of Specific Biodiversity Equivalence Units for each species listed in the Biodiversity impact and offset requirements report.

4.2.3 Timing

A compliant offset must be secured, to the satisfaction of the responsible or referral authority, before the native vegetation is removed (DEPI, 2013a), by either:

- A security agreement for the site including an onsite (Offset) management plan, or
- Evidence of a secured third party offset, e.g. Native Vegetation Credit Register extract.

4.2.4 Example of potential offset requirements for scattered tree removal

The DEPI NVIM tool (DEPI, 2014c) was used to obtain indicative values (offset units) of scattered trees within each land parcel, to enable a relative comparison between trees across the study site (see Table 2) under the low-risk pathway (assumes total loss of less than 15 scattered trees). The 2 protected trees in the north-east of the site (Lot 7 PS702630) have not been included in the table below.

Land parcel	No. Scattered Trees	Risk- pathway for application	Maximum offset for removal of all trees/parcel (GBEUs)	Average minimum Strategic Biodiversity Score	Average offset (GBEUs) per tree removed
Lot 6 PS702630	2	LOW	0.017	0.322	0.009
Lot 7 PS702630	8	LOW	0.017	0.080	0.002
Lot 1 PS410216	1	LOW	0.002	0.080	0.002
CA21, Section E	2	LOW	0.023	0.222	0.012
Lot 2 PS610634	0	LOW	n/a	n/a	N/A
CA19, Section E	5	LOW	0.066	0.497	0.013
Lot 1 PS415183	12	LOW	0.183	0.572	0.015
Lot 2 PS415183	14	LOW	0.138	0.370	0.010
ALL	44	MODERATE	1	To be determine	d

Table 2: Summary of Potential Offset Requirements for Scattered Tree Removal (low-risk)

The summary in Table 2 suggests that the removal of trees from Lots 6 and 7 on PS702630 and Lot 1 PS410216 would result in the lowest offset requirement per tree removed, whereas the highest offset requirements will be generated by the removal of trees from Lot 1 PS415183 and Crown Allotment 19 Section E. Individual trees may have higher or lower offset requirements than the average shown in Table 2.

If it is anticipated that 15 or more Scattered Trees will be removed for development of the land (including any permitted clearing within the previous 5 years), which would trigger an

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application under the moderate-risk pathway, it is recommended that spatial data is submitted to DEPI early in the subdivision design phase to obtain indicative offset requirements for the removal of native vegetation.

5 CONCLUSION

Ethos NRM has been engaged by Beveridge Williams on behalf of the landowners of eight parcels of land (the Study Site) located between the Princes Highway and Settlement Road in Wurruk, to undertake an assessment of vegetation quality and significance. The land is the subject of a proposal to rezone and develop the land for residential use.

The study site is currently utilised for agricultural purposes, and has been historically cleared of most native vegetation, with the understorey dominated by a mixture of introduced pasture species, and several areas of planted vegetation.

Native vegetation was identified by Ethos NRM to be present at the study site during the site assessment. The native vegetation comprised 44 Scattered Trees (*Eucalyptus* spp.), which were observed to be representative of the Ecological Vegetation Class (EVC) *Plains Grassy Woodland*, which is endangered in the Gippsland Plain bioregion. The native vegetation at the study site did not meet the definition of the EPBC listed Gippsland *Red Gum Grassy Woodland and Associated Native Grassland* ecological community.

No threatened species were recorded by Ethos NRM at the study site during the site assessment, and it is not expected that the native vegetation provides important habitat for threatened species (flora or fauna) which are known or likely to occur within 5km of the study site.

Removal of any of the Scattered Trees for the proposed development of the study site will require approval to remove native vegetation from Wellington Shire Council, and commensurate native vegetation offset, in accordance with the *Permitted clearing of native vegetation – biodiversity assessment guidelines* (DEPI, 2013a). Two additional native trees on Lot 7 PS702630 are fenced and protected by an existing Section 173 Agreement, and cannot be removed.

Subdivision design will be important in avoiding and minimising the quantity of native vegetation removal from the proposed development of the land. The number of trees to be removed will impact on the risk-based pathway determination for an application to remove native vegetation, and the resulting offset requirements to compensate for any proposed loss of native vegetation (resulting from direct and indirect impacts).

The DEPI Native Vegetation Information Management (NVIM) on-line tool (DEPI, 2014c) identifies the entire study site as being in Location A for determining the risk-based pathway. Therefore if less than 15 Scattered Trees are proposed for removal, an application to remove native vegetation will follow the low-risk pathway, whereas more than 15 Scattered Trees would require the moderate-risk pathway to be followed.

The low-risk pathway has far less onerous and costly assessment and reporting requirements associated with the application to remove native vegetation than the moderate-risk pathway. The low-risk pathway also requires offsets to be only in General Biodiversity Equivalence Units, whereas the moderate-risk pathway may require threatened species to be protected as part of the offset requirement (known as Specific Biodiversity Equivalence Units).

Offset requirements can also be minimised by ensuring that the highest quality vegetation is retained. The DEPI NVIM tool (DEPI, 2014c) identified that vegetation located in Lot 1 PS415183 and Crown Allotment 19 Section E have, on average, the highest modelled Habitat Scores and Strategic Biodiversity Scores, and hence would result in the highest offset requirements. Conversely, the removal of trees from Lots 6 and 7 on PS702630 and Lot 1 PS410216 would result in the lowest offset requirement per tree removed.

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6 REFERENCES

- DEPI, 2013a. Permitted clearing of native vegetation Biodiversity Assessment Guidelines. Victorian Government Department of Environment and Primary Industries, Melbourne, May 2013.
- DEPI, 2013b. Biodiversity Assessment Handbook. Victorian Government Department of Environment and Primary Industries, Melbourne, September 2013.
- DEPI, 2014a. Online Mapping Biodiversity Interactive Map. <u>http://www.dse.vic.gov.au/about-depi/interactive-maps</u> Viewed on 11/4/2014). Victorian Government Department of Environment and Primary Industries.
- DEPI, 2014b. Native Vegetation Information www.depi.vic.gov.au Victorian Government Department of Environment and Primary Industries, Melbourne.
- DEPI, 2014c. Native Vegetation Information Management online tool. www.depi.vic.gov.au Victorian Government Department of Environment and Primary Industries, Melbourne.
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- DTPLI 2014. Planning Maps Online tool. <u>http://services.land.vic.gov.au/maps/pmo.jsp</u> Viewed 5/5/2014. Victorian Department of Planning, Transport and Local Infrastructure.
- SEWPAC 2014. EPBC on-line Protected Matters Search Tool, EPBC Protected Matters Report. Report created 5/5/2014.

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ENVISONMENTAL, PLANNING & NATURAL RESOLUTOR MANAGEMENT CONSULTANTS Page 17 Vegetation Assessment for Rezoning Application – Wurtuk Beveridge Williams and D.Page, B.Hollonds & D.Hollonds, S. Balley & M.Balley

- 7 APPENDICES
- 7.1 Appendix 1: EPBC Protected Matters Search Report

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EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected.

information on the coverage of this report and qualifications on data supporting this report are contained in the caveat at the end of the report.

Information is available about Environment Assessments and the EPBC Act including significance guidelines, forms and application process details.

Report created: 20/05/14 14:24:01

Summary Details

Matters of NES Other Matters Protected by the EPBC Act Extra Information Caveat Acknowledgements



This map may contain data which are ©Commonwealth of Australia (Geoscience Australia), ©PSMA 2010

Coordinates Buffer: 5.0Km



Summary

Matters of National Environmental Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that may have a significant impact on one or more matters of national environmental significance then you should consider the <u>Administrative Guidelines on Significance</u>.

World Heritage Properties:	None
National Heritage Places:	None
Wetlands of International Importance:	1
Great Barrier Reef Marine Park:	None
Commonwealth Marine Areas:	None
Listed Threatened Ecological Communities:	1
Listed Threatened Species:	13
Listed Migratory Species:	11

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As <u>heritage values</u> of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place and the heritage values of a place on the Register of the National Estate.

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

A <u>permit</u> may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species.

Commonwealth Land:	None		
Commonwealth Heritage Places:	None		
Listed Marine Species:	13		
Whales and Other Cetaceans:	None		
Critical Habitats:	None		
Commonwealth Reserves Terrestrial:	None		
Commonwealth Reserves Marine	None		

Extra Information

This part of the report provides information that may also be relevant to the area you have nominated.

Place on the RNE:	26	
State and Territory Reserves:	2	
Regional Forest Agreements:	1	
Invasive Species:	36	
Nationally Important Wetlands:	1	
Key Ecological Features (Marine)	None	
And a first state of the second state of the s	and the second se	

Details

Matters of National Environmental Significance

Wetlands of International Importance (RAMSAR)	[Resource Information]
Name	Proximity
Gippsland lakes	Within Ramsar site

Listed Threatened Ecological Communities		[Resource Information]
For threatened ecological communities where the dist recovery plans, State vegetation maps, remote sensin ecological community distributions are less well know data are used to produce indicative distribution maps.	g imagery and other sourc n, existing vegetation maps	es. Where threatened
Name	Status	Type of Presence
Gippsland Red Gum (Eucalyptus tereticomis subsp. mediana) Grassy Woodland and Associated Native Grassland	Critically Endangered	Community likely to occur within area
Listed Threatened Species		[Resource Information]
Name	Status	Type of Presence
Birds		www.commission.com
Anthochaera phrygia		
Regent Honeyeater [82338]	Endangered	Foraging, feeding or related behaviour likely to occur within area
Botaurus poicioptilus		
Australasian Bittern [1001]	Endangered	Species or species habitat known to occur within area
Lathamus discolor		and the state
Swift Parrot [744]	Endangered	Species or species habitat likely to occur within area
Rostratula australis		998493350 - ₁₀
Australian Painted Snipe [77037]	Endangered	Species or species habitat likely to occur within area
Stemula nereis nereis		
Australian Fairy Tern (82950)	Vulnerable	Species or species habitat likely to occur within area
Fish		the first stress
Galaxiella pusilla		
Eastern Dwarf Galaxias, Dwarf Galaxias [56790]	Vulnerable	Species or species habitat known to occur within area
Prototroctes maraena		
Australian Grayling [26179]	Vulnerable	Species or species

Name	Status	Type of Presence
		habitat known to occur within area
Frogs		
Itoria raniformis	Markey Constants	
Growling Grass Frog, Southern Bell Frog, Green and Golden Frog, Warty Swamp Frog [1828]	Vulnerable	Species or species habitat likely to occur within area
Mammals		
Dasyurus maculatus maculatus (SE mainland popul		
Spot-tailed Quoll, Spotted-tail Quoll, Tiger Quoll southeastem mainland population) [75184]	Endangered	Species or species habitat may occur within area
Potorous tridactylus tridactylus		
.ong-nosed Potoroo (SE mainland) [66645]	Vulnerable	Species or species habitat may occur within area
Pseudomys novaehollandiae	3337 1697	
New Holland Mouse, Pookila [96]	Vulnerable	Species or species habitat likely to occur within area
Pteropus poliocephalus	100000000	
Grey-headed Flying-fox [186]	Vulnerable	Roosting known to occur within area
Plants		
Prasophyllum correctum		
Gaping Leek-orchid (64533)	Endangered	Species or species habitat likely to occur within area
Listed Migratory Species		[Resource Information
Species is listed under a different scientific name or	n the EPBC Act - Threa	Itened Species list.
Name	Threatened	Type of Presence
Migratory Marine Birds		
Apus pacificus		
Fork-tailed Swift (678)		Species or species habitat likely to occur within area
Migratory Terrestrial Species		womanda
Haliaeetus leucogaster		
White-bellied Sea-Eagle (943)		Species or species habitat known to occur within area
Hirundapus caudacutus		
White-throated Needletail [682]		Species or species habitat known to occur within area
Merops ornatus		200 PSI-10004-00 2000
Rainbow Bee-eater [670]		Species or species habitat may occur within area
Monarcha melanopsis		Canadian an annual
Black-faced Monarch (609)		Species or species habitat likely to occur within area
Myiagra cyanoleuca		Canadian in annual
Satin Flycatcher (612)		Species or species habitat known to occur within area
Rhipidura rufifrons Rufous Fantail (592)		Species or species habitat likely to occur
Migratory Wetlands Species		within area
Ardea alba		
Great Egret, White Egret [59541]		Species or species habitat known to occur within area
Ardea ibis		2000000000000000
Cattle Egret [59542]		Species or species habitat likely to occur within area

Name Gallinago hardwicki Latham's Snipe, Japanese Snipe [863]

Threatened

Type of Presence

Species or species habitat may occur within area

Rostratula benghalensis (sensu lato) Painted Snipe [889]

Endangered*

Species or species habitat likely to occur within area

within area

Other Matters Protected by the EPBC Act

Listed Marine Species		[Resource Information
 Species is listed under a different scientific 	name on the EPBC Act - Threa	itened Species list.
Name	Threatened	Type of Presence
Birds		
Apus pacificus		
Fork-tailed Swift [678]		Species or species habitat likely to occur within area
Ardea alba		
Great Egret, White Egret [59541]		Species or species habitat known to occur within area
Ardea ibis		
Cattle Egret [59542]		Species or species habitat likely to occur within area
Gallinago hardwicki		
Latham's Snipe, Japanese Snipe [863]		Species or species habitat may occur within area
Haliaeetus leucogaster		
White-bellied Sea-Eagle [943]		Species or species habitat known to occur within area
Hirundapus caudacutus		
White-throated Needletail [682]		Species or species habitat known to occur within area
Lathamus discolor		
Swift Parrot [744]	Endangered	Species or species habitat likely to occur within area
Merops ornatus		
Rainbow Bee-eater [670]		Species or species habitat may occur within area
Monarcha melanopsis		
Black-faced Monarch [609]		Species or species habitat likely to occur within area
Myiagra cyanoleuca		
Satin Flycatcher [612]		Species or species habitat known to occur

Name

Pandion haliaetus Osprey [952]

Rhipidura rufifrons Rufous Fantail (592)

Rostratula benghalensis (sensu lato) Painted Snipe [889]

Threatened

Endangered*

Type of Presence

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Extra Information

Places on the RNE		[Resource Information]
Note that not all Indigenous sites may be listed.		
Name	State	Status
Natural		
Gippsland Lakes Area	VIC	Indicative Place
Lake Gutheridge	VIC	Indicative Place
Historic		
Australian Mutual Provident Society Building	VIC	Indicative Place
Bishopscourt	VIC	Indicative Place
Colonial Club Hotel	VIC	Indicative Place
Continuing Education Centre	VIC	Indicative Place
Gables	VIC	Indicative Place
King George V Jubilee Avenue	VIC	Indicative Place
Mechanics Institute Group	VIC	Indicative Place
Sale Cemetery	VIC	Indicative Place
St Annes and Gippsland Grammar School	VIC	Indicative Place
St Marys Cathedral Complex	VIC	Indicative Place
St Patricks College	VIC	Indicative Place
St Pauls Anglican Cathedral	VIC	Indicative Place
Victoria Park	VIC	Indicative Place
Victoria Park Water Towers	VIC	Indicative Place
Cobb and Company Stables	VIC	Registered
Criterion Hotel	VIC	Registered
Fulham Park	VIC	Registered
Grassdale Homestead	VIC	Registered
Kilmany Park	VIC	Registered
Our Lady of Sion Convent	VIC	Registered
Powder Magazine	VIC	Registered
Sale Canal	VIC	Registered
Sale and District Museum	VIC	Registered
Victoria Hall	VIC	Registered
State and Territory Reserves		[Resource Information]
Name		State
Herb Guyatt F.R.		VIC
Sale Common N.C.R.		VIC
Regional Forest Agreements		[Resource Information]
Note that all areas with completed RFAs have been include	ed.	
Name		State
Gippsland RFA		Victoria

Invasive Species

[Resource Information]

Weeds reported here are the 20 species of national significance (WoNS), along with other introduced plants that are considered by the States and Territories to pose a particularly significant threat to biodiversity. The following feral animals are reported: Goat, Red Fox, Cat, Rabbit, Pig, Water Buffalo and Cane Toad. Maps from Landscape Health Project, National Land and Water Resouces Audit, 2001.

2001		
Name	Status	Type of Presence
Birds		
Acridotheres tristis		
Common Myna, Indian Myna [387]		Species or species habitat likely to occur within area
Alauda arvensis		www.mirai.ea
Skylark [656]		Species or species habitat likely to occur within area
Anas platyrhynchos		
Mallard [974]		Species or species habitat likely to occur within area
Carduelis carduelis		
European Goldfinch [403]		Species or species habitat likely to occur within area
Carduelis chloris		
European Greenfinch [404]		Species or species habitat likely to occur within area
Columba livia		2000 CA 22
Rock Pigeon, Rock Dove, Domestic Pigeon [803]		Species or species habitat likely to occur within area
Passer domesticus		121 512 519 519 519 519 51
House Sparrow (405)		Species or species habitat likely to occur within area
Passer montanus		
Eurasian Tree Sparrow [406]		Species or species habitat likely to occur within area
Streptopelia chinensis		
Spotted Turtle-Dove [780]		Species or species habitat likely to occur within area
Stumus vulgaris		
Common Starting [389]		Species or species habitat likely to occur within area
Turdus merula Common Plantitical Europeine Plantitical (509)		Presies as set of
Common Blackbird, Eurasian Blackbird (596)		Species or species habitat likely to occur within area
Turdus philomelos		127402 A 13700 M 1600
Song Thrush [597]		Species or species habitat likely to occur within area
Mammals		
Bos taurus		
Domestic Cattle [16]		Species or species habitat likely to occur within area
Canis lupus familiaris		O
Domestic Dog [82654]		Species or species habitat likely to occur within area
Capra hircus		
Goat [2]		Species or species habitat likely to occur within area
Felis catus		

Felis catus Cat. House Cat, Domestic Cat [19]

Species or species habitat likely to occur within area

Name

Lepus capensis Brown Hare [127]

Mus musculus House Mouse [120]

Oryctolagus cuniculus Rabbit, European Rabbit [128]

Rattus norvegicus Brown Rat, Norway Rat [83]

Rattus rattus Black Rat, Ship Rat [84]

Sus scrofa Pig (6)

Vulpes vulpes Red Fox, Fox [18]

Plants

Asparagus asparagoides Bridal Creeper, Bridal Veil Creeper, Smilax, Florist's Smilax, Smilax Asparagus [22473]

Carrichtera annua Ward's Weed [9511]

Chrysanthemoides monilifera Bitou Bush, Boneseed [18983]

Chrysanthemoides monifiera subsp. monifiera Boneseed [16905]

Cytisus scoparius Broom, English Broom, Scotch Broom, Common Broom, Scottish Broom, Spanish Broom [5934]

Genista monspessulana Montpellier Broom, Cape Broom, Canary Broom, Common Broom, French Broom, Soft Broom (20126) Genista sp. X Genista monspessulana Broom (67538)

Lycium ferocissimum African Boxthorn, Boxthorn [19235]

Nassella trichotoma Serrated Tussock, Yass River Tussock, Yass Tussock, Nassella Tussock (NZ) [18884]

Olea europaea Olive, Common Olive [9160]

Rubus fruticosus apgregate Blackberry, European Blackberry (68406) Status

Type of Presence

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

Species or species habitat likely to occur within area

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Species or species habitat likely to occur within area

Species or species habitat may occur within area

Species or species habitat likely to occur within area

Name	Status	Type of Presence
Salix spp. except S babylonica. S x c	alodendron & S.x reichardti	
Willows except Weeping Willow, Pus Stenie Pussy Willow [68497]	sy Willow and	Species or species habitat likely to occur within area
Ulex europaeus		
Gorse, Furze [7693]		Species or species habitat likely to occur within area
Nationally Important Wetlands		[Resource Information
Name		State
Lake Wellington Wetlands		VIC

Coordinates

-38.11587 147.02687

Caveat

The information presented in this report has been provided by a range of data sources as acknowledged at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the Environment Protection and Biodiversity Conservation Act 1999. It holds mapped locations of World Heritage and Register of National Estate properties, Wetlands of International Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the gualifications below and may need to seek and consider other information sources.

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans. State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under type of presence'. For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

Only selected species covered by the following provisions of the EPBC Act have been mapped:

- migratory and

- marine

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as extinct or considered as vagrants
- some species and ecological communities that have only recently been listed
- some terrestrial species that overfly the Commonwealth marine area
- migratory species that are very widespread, vagrant, or only occur in small numbers

The following groups have been mapped, but may not cover the complete distribution of the species: - non-threatened seabirds which have only been mapped for recorded breeding sites

- seals which have only been mapped for breeding sites near the Australian continent

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

Acknowledgements

This database has been compiled from a range of data sources. The department acknowledges the following custodians who have contributed valuable data and advice:

-Department of Environment, Climate Change and Water, New South Wales -Department of Sustainability and Environment, Victoria -Department of Primary Industries, Parks, Water and Environment, Tasmania Department of Environment and Natural Resources, South Australia -Parks and Wildlife Service NT, NT Dept of Natural Resources. Environment and the Arts -Environmental and Resource Management, Queensland -Department of Environment and Conservation, Western Australia -Department of the Environment, Climate Change, Energy and Water -Birds Australia -Australian Bird and Bat Banding Scheme -Australian National Wildlife Collection -Natural history museums of Australia -Museum Victoria -Australian Museum -SA Museum -Queensland Museum -Online Zoological Collections of Australian Museums -Queensland Herbarium -National Herbarium of NSW -Royal Botanic Gardens and National Herbarium of Victoria -Tasmanian Herbarium -State Herbarium of South Australia -Northern Territory Herbarium -Western Australian Herbarium -Australian National Herbarium, Atherton and Canberra -University of New England -Ocean Biogeographic Information System -Australian Government, Department of Defence -State Forests of NSW -Geoscience Australia -CSIRO -Other groups and individuals

The Department is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

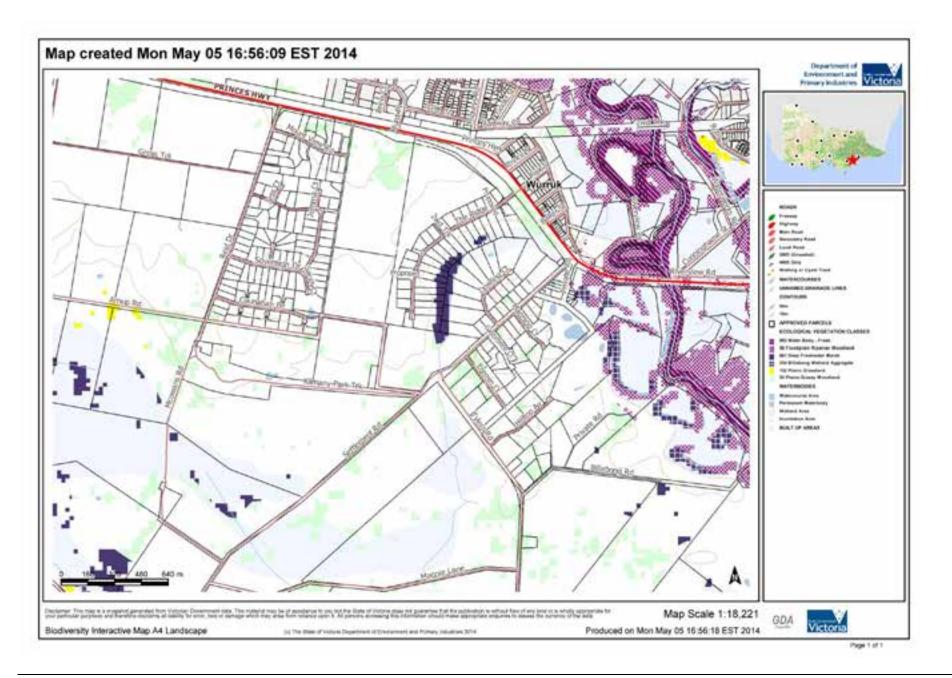
Please feel free to provide feedback via the Contact Us page.

Commonwealth of Available Department of the Ecologomeral OPO Box 787 Canderts ACT 2001 Available efft 2 6214 1111 Vegetation Assessment for Rezoning Application – Wurtuk Beveridge Williams and D.Page, B.Hollonds & D.Hollonds, S. Balley & M.Balley

7.2 Appendix 2: DEPI EVC Mapping

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Vegetation Assessment for Rezoning Application - Wurruk

Beveridge Williams and D.Page, B.Hollonds & D.Hollonds, S. Balley & M.Balley

7.3 Appendix 3: Scattered Tree Measurements and Locations Tree No. refers to Appendix 4. "denotes estimated DBH. GPS location accuracy ± 5m.

Parcel_ID	Tree No	category	dbh_cm	Tree_ret_zone_m	Easting_GDA	Northing_GD/
CA 19 E	14	Scattered tree	122	15	502133	5781269
CA 19 E	15	Scattered tree	98	12	501986	5781182
CA 19 E	16	Scattered tree	93	11	501962	5781144
CA 19 E	17	Scattered tree	129	15	501984	5781094
CA 19 E	18	Scattered tree	90*	11*	501663	5781285
CA 21 E	12	Scattered tree	90*	11*	502852	5781307
CA 21 E	13	Scattered tree	60*	7*	502989	5781203
Lot 1 PS410218	11	Scattered tree	80	10	602547	5781725
Lot 1 PS415183	19	Scattered tree	87	10	501942	5781050
Lot 1 PS415183	20	Scattered tree	25	3	501948	5781054
Lot 1 PS415183	21	Scattered tree	44	5	501952	5781054
Lot 1 PS415183	22	Scattered tree	89	11	501943	5781041
Lot 1 PS415183	23	Scattered tree	60	7	501967	5781055
Lot 1 PS415183	24	Scattered tree	147	18	501752	5781050
Lot 1 PS415183	25	Scattered tree	101	12	501737	5781004
Lot 1 PS415183	26	Scattered tree	158	19	501798	5781004
Lot 1 PS415183	27	Scattered tree	145	17	501830	5781021
Lot 1 PS415183	28	Scattered tree	125	15	501838	5781008
Lot 1 PS415183	29	Scattered tree	130	16	501882	5781013
Lot 1 PS415183	30	Scattered tree	68	8	501874	5780963
Lot 2 PS415183	31	Scattered tree	.115	14	502276	5780512
Lot 2 PS415183	31	Scattered tree	125	15	502041	5780467
Lot 2 PS415183	32	Scattered tree	117	14	502220	5780471
Lot 2 PS415183	33	Scattered tree	111	13	502058	5780447
Lot 2 PS415183	35	Scattered tree	101	12	502068	5780847
Lot 2 PS415183	36	Scattered tree	102	12	502056	5780661
Lot 2 PS415183	37	Scattered tree	87	10	502020	5780598
Lot 2 PS415183	38	Scattered tree	94	11	501969	5780493
Lot 2 PS415183	39	Scattered tree	91	11	501920	5780434
Lot 2 PS415183	40	Scattered tree	104	12	501936	5780559
Lot 2 PS415183	41	Scattered tree	95	11	501892	5780841
Lot 2 PS415183	42	Scattered tree	70	8	501863	5780647
Lot 2 PS415183	43	Scattered tree	149	18	501805	5780726
Lot 2 PS415183	44	Scattered tree	129	15	501789	5780707
Lot 6 PS702630	1	Scattered tree	125	15	502711	5782449
Lot 6 PS702630	2	Scattered tree	80	10	502543	5781990
Lot 7 PS702830	n/a	Protected tree	n/a	n/a	502860	5782182
Lot 7 PS702630	n/a	Protected tree	n/a	n/a	502905	5782213
Lot 7 PS702630	3	Scattered tree	109	13	502895	5782269

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Parcel_ID	Tree No	category	dbh_cm	Tree_ret_zone_m	Easting_GDA	Northing_GDA
Lot 7 PS702630	4	Scattered tree	108	13	502955	5782252
Lot 7 PS702630	5	Scattered tree	19	2	602972	5782241
Lot 7 PS702630	6	Scattered tree	20	2	503000	5782249
Lot 7 PS702630	7	Scattered tree	20	2	503000	5782253
Lot 7 PS702630	8	Scattered tree	20	2	502997	5782254
Lot 7 PS702630	9	Scattered tree	20	2	502997	5782252
Lot 7 PS702630	10	Scattered tree	20	2	502996	5782250

Vegetation Assessment for Rezoning Application – Wuttuk Beveridge Williams and D Page, B Hollonds & D Hollonds, S. Bailey & M Bailey

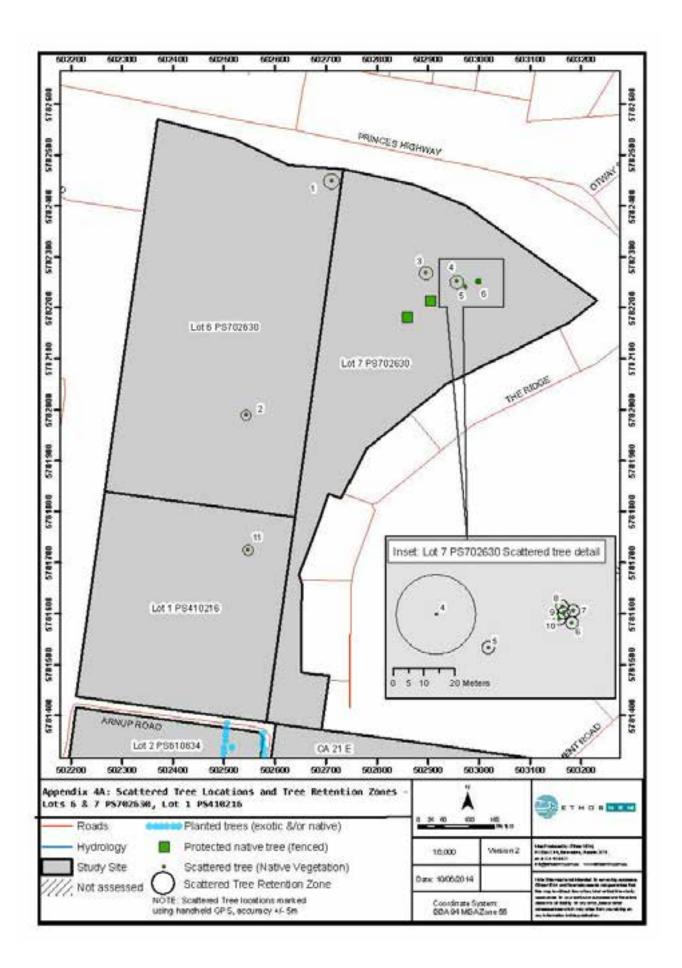
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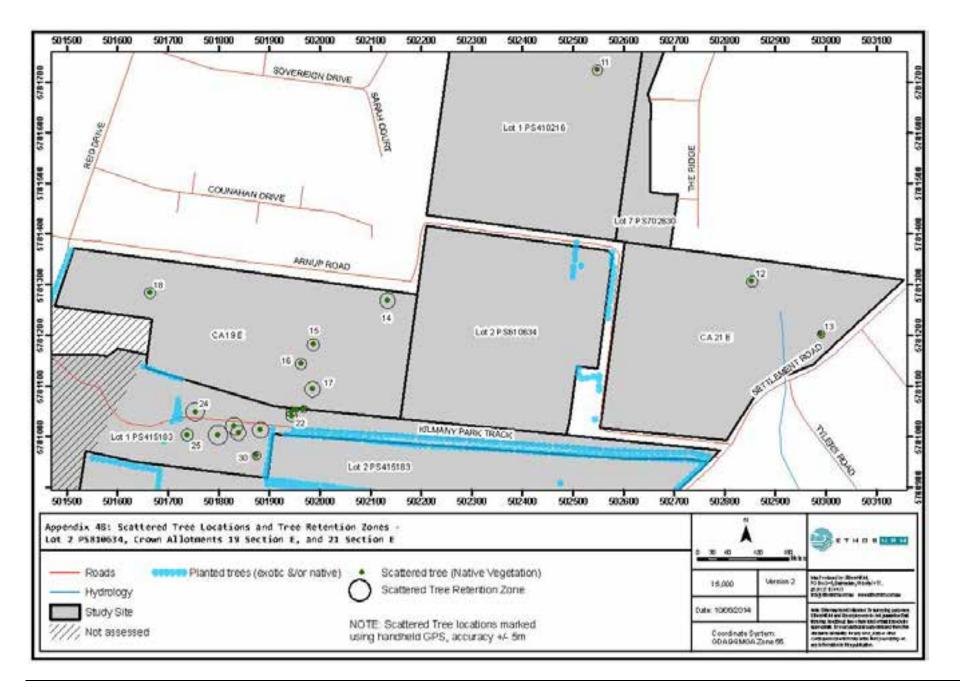
ENVIRONMENTAL, PLANNING & NATURAL RESOURCE MANAGEMENT CONSULTANTS Page 33 Vegetation Assessment for Rezoning Application – Wurtuk Beveridge Williams and D.Page, B.Hollonds & D.Hollonds, S. Balley & M.Balley

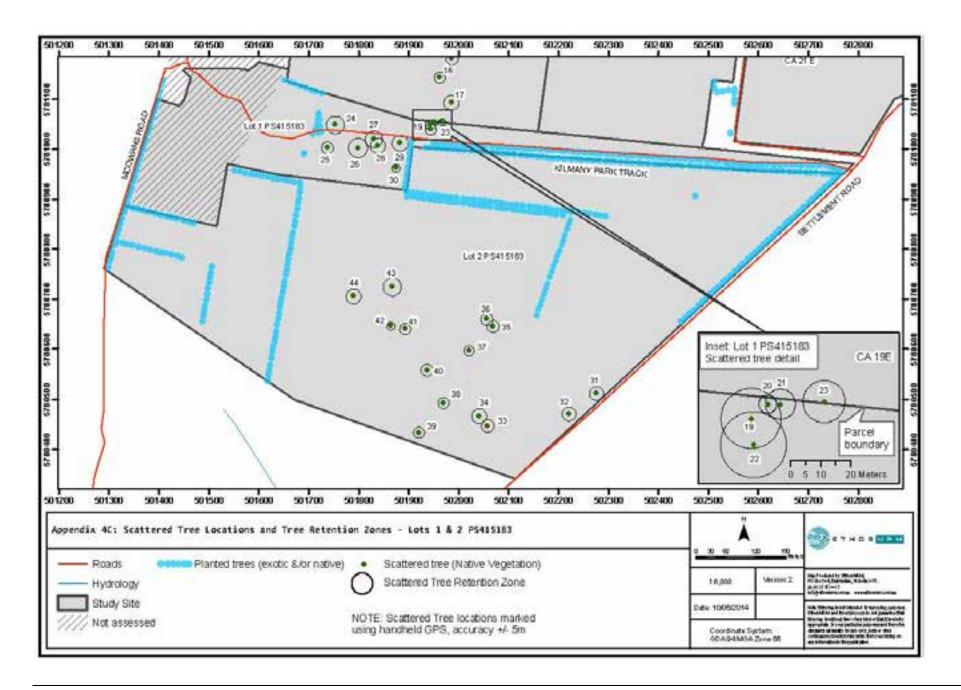
- 7.4 Appendix 4: Scattered Tree Locations and Tree Retention Zone Maps 4A – Lots 6 & 7 PS702630 and Lot 1 PS410216
 - 4B Lot 2 PS610634, Crown Allotments 19 Section E and 21 Section E
 - 4C Lots 1 & 2 PS415183

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Land Capability Assessment, Onsite Wastewater Management Plan and Concept System Designs for

Proposed Rezoning Settlement Road Wurruk

March 2016

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Executive Summary

Strata Geoscience and Environmental Pty Ltd was commissioned to perform a Planning Stage Land Capability Site Reconnaissance and Onsite Wastewater System Concept Designs for a proposed rezoning of land at Settlement Road Wurruk "the site" to a minimum lot size of 4000m².

The investigation involved desktop research, field reconnaissance, geotechnical drilling, permeability testing and soil sampling for laboratory chemical analysis.

The investigation has found that secondary treatment of effluent with onsite disposal are suitable concept designs to support the application.

Suitable systems include:

 Approved commercially available AWTS system with minimum daily flow capacity of 1500L.

OR:

- Min 4000L dual purpose septic tank with outlet filter
- Min 22m² gravity dosed EPA endorsed sand filter (for 5 bed dwelling)
- Min 1000L pump well

Suitable land application area concept designs include:

- Min 420 m² of subsurface irrigation with appropriate buffer zones OR
- Min 90 m² trench/bed basal area.
- Provision for 50% reserve area (must remain free from development)

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The investigation has found that the nominated land application area (LAA) derived from the water balance method is large given low permeability subsoils and high rainfall with low evaporation throughout the winter months. However given the minimum lot size of 4000 m² this investigation has concluded that:

- Adequate land area is available for sustainable long term land application of wastewater from residential dwellings, given the proposed rezoning.
- If the prescriptions of this report are followed the likely human and environmental health risks associated with effluent disposal over the site is low.

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1. Introduction and Background

1.1 Purpose of Report

It is the objective of this report to assess the ability of the land to be used for sustainable on-site domestic wastewater management systems given a proposal for rezoning with minimum 4000m² lot size.

1.2 Background

The proponents, Jelaryl P/L, have engaged Strata Geoscience & Environmental Pty Ltd to conduct a Land Capability Assessment in support of an application to Council.

1.3 Codes, Guidelines and Standards Referenced

The investigation with reference to the following documents:

- 1. EPA Victoria (2013) Code of Practice for Onsite Wastewater Management
- 2. Australian Standard AS1547-2012 Onsite Wastewater Management

The investigation also follows the principles outlined in:

- 1. MAV & DSE 2006 (as amended) Model LCA Report
- 2. AS1726-1993 Geotechnical Site Investigations.

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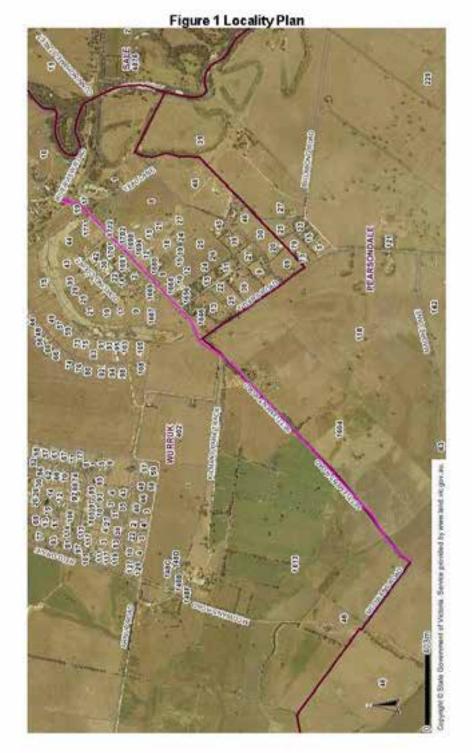
Table 1 Site Description			
Site Address	Settlement Road Wurruk		
Owner/Developer/Agent	Beveridge Williams		
Address	As above		
Authorities:	Contraction of the second s		
Council Area	Wellington		
Water Supply	Gippsland Water		
Sewage	Gippsland Water		
CMA	West Gippsland Catchment		
865.75	Management Authority		
Zoning	FZ		
Overlays	FO, HO, DDO, LSIO, AEO, DPO		
Proposed Allotment Size	Min 0.4 Ha approx.		
Proposed Domestic Water Supply	Onsite roof water collection		
Anticipated Wastewater Load	1080 L/D (See Section 6)		
Availability of Sewer	Unsewered and unlikely to be unsewered in mid term		

2. Description of the Proposed Development

3. Key Property Features

S Nielsen (MEngSc, CPSS-2) undertook a site investigation in March 2016. A range of soil and landscape features were assessed for their potential to impact upon land application area siting and level of wastewater treatment required over the site. Figures 1 &2 give locality and site plans respectively whilst Table 2 summarises key features as in relation to effluent management over the site.

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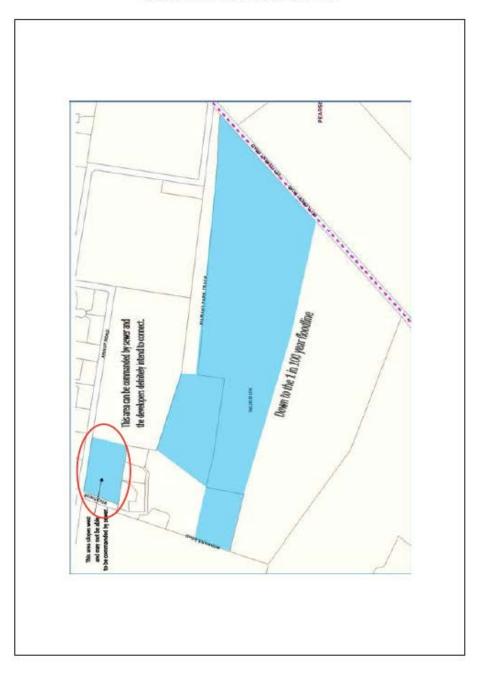


LCA, Onsite Wastewater Management Plan and Concept System Designs for Proposed Rezoning Settlement Road Wurruk

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LCA, Onsite Wastewater Management Plan and Concept System Designs for Proposed Rezoning Settlement Road Wurruk





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	Table 2 Site Features		
Climate	The nearest weather station with long term data is the Sale Station with a mean annual rainfail of 598.1 mm (BOM 2016) and no evaporation data. Sale Airport has the closest evaporation data. The region has a near Mediterranean climate with maximum temperatures and minimum rainfall in the summer.		
Exposure	The site is relatively unshielded with exposure to winds which predominate from the NW/SW directions		
Vegetation	Improved Pasture		
Landform	Rolling Hills		
Slope	Slight to moderate slopes		
Fill	No fill evident.		
Rocks and Rock Outcrops	None evident		
Erosion Potential	None observed		
Surface Water	Several dams over site. Site not in a water catchment		
Flood Potential	<1:100 AEP		
Site Drainage and Subsurface Drainage	The site is likely to receive significant run on and shows signs of springs/Dams or other areas of ephemeral subsurface water retention. Given clay subsoils ephemeral perched watertables may exist in some areas of the site.		
Stormwater Run-on and Upslope Seepage	Run on from slopes to flatter areas. Drainage likely required		
Groundwater			
 Permanent Groundwater Table 	Unknown, likely several metres below ground surface contained within fractured rock		
 Perched Watertables 	Flatter areas likely to suffer from seasonal perched water table given clay subsolls		
 Groundwater Quality 	Unknown, possible high TSS and saline		
Geology and Soils			
Site Geology	Pleistocene Sediments		
 Soil Classification (Isbell) 	Yellow, Brown and Grey Sodosols, Brown/Red Chromosols		
Recommended Buffer Distances	Given the significant land area, all buffer distances as stipulated in EPA (2013) are achievable.		
Available Land Application Area	There is surplus space to land application area requirements (including reserves).		

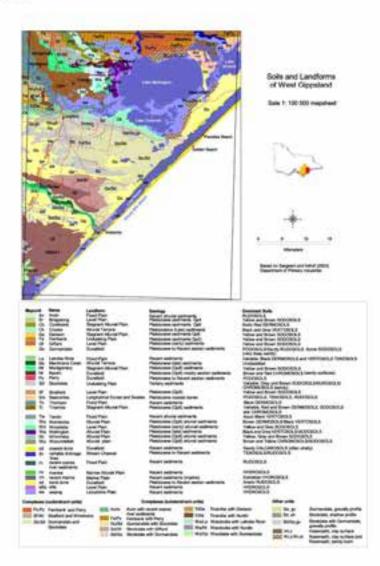
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3. Soil Assessment and Constraints

Soils have been assessed for their suitability for onsite wastewater management through both desktop review and intrusive field investigation.

3.1 Published Soil Information

Reconnaissance land system mapping carried out by DEPI (2003) at a scale of 1:100,000, indicates the subject land is underlain by Yellow/Brown Sodosols and/or Brown/Red Chromosols weathering from Pleistocene aged sediments.



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3.2 Soil Classification and Physical Properties

Field investigation consisted of drilling 20 soil bores using a Dando Terrier percussion drilling rig driving 50mm soil probes to 1.5m (or refusal on rock) with retrieval of undisturbed soil cores for logging, sampling and testing for pH, EC and Emmerson Aggregate Class using a handheld meter to measure 1:5 soil:water solutions.

Bore logs and soil permeability data/soil dispersion test results (where relevant) are presented in Appendix 2/4.

With reference to the classification system of Isbell (2002) soils are classified as either:

 Yellow and Brown Sodosols - strong textural contrast into structured subsoils with a high exchangeable Sodium complex. Soils had duplex increases in texture with soils depth grading to silty clays/clayey silts to approximately 1500mmbgs. Soils are moderately structured and may show the existence of vertical macropores throughout drier periods, significantly increasing their unsaturated hydraulic conductivities. These soils will show a moderate cation exchange complex for the absorption of nutrients, are non dispersive and a slightly acidic pH trend.

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Table 3 Key Soil Characteristics - Sodosols		
Soil Depth (m)	1.5m+ (variable)	
Depth to Water Table (m)	2.5m+	
Coarse Fragments (%)	0-5%	
Soil Permeability and Design Loading Rates	Approximately 0.1m/d DIR of 3mm/d suitable	

	Topsoils (A1-A3)	Subsoils (B1-B3)
Description	Clayey SAND (SC)	Silty CLAYS (CL/CH)
Soil Category (AS1547-2012)	1	5
DIR (mm/d)/DLR (L/D) (Secondary Effluent)	4.5/30	3/12
Colour	Brown	Yellow
Mottling	Absent	Present
pH (units)	4.5	5.1
EC (micosiemens/cm)	33	68
Emmerson Class (units)	8	5
CEC (meq/100g)	5	20
ESP (%)	1	6
SAR	20	80

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 Red/Brown Chromosols – Weaker textual contrast, low- to moderate CEC grading to clayey sands with quartz rock inclusions. These soils will show a low to moderate cation exchange complex for the absorption of nutrients, are non dispersive and a slightly acidic pH trend.

Table 4 Key Soil Characteristics – Chromosols			
Soil Depth (m)	1.0m+ (variable- auger refusal in quartz gravels)		
Depth to Water Table (m)	2.5m+		
Coarse Fragments (%)	25%		
Soil Permeability and Design Loading Rates	Approximately 0.75m/d DIR of 3.5mm/d suitable		

	Topsoils (A1-A3)	Subsoils (B1-B3)
Description	Clayey SAND (SC)	SANDS (SW/SP)
Soil Category (AS1547-2012)	4	2
DIR (mm/d)/DLR (L/D) (Secondary Effluent)	4.5/30	5/50
Colour	Brown	Red
Mottling	Absent	Absent
pH (units)	4.5	5.1
EC (micosiemens/cm)	49	47
Emmerson Class (units)	8	8
CEC (meq/100g)	0.84	2.5
ESP (%)	1	6
SAR	29	7.5

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4. Land Capability Assessment Matrix

Referring to MAV & DSE (2006) and EPA Victoria Publication 746.1 Land Capability Assessment (LCA) for Onsite Domestic Wastewater Management, the following LCA assessment table has been produced for the site:

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Characteristic	Level of Constraint					
	Nil or Minor	Moderate	Major	Level of Constraint for Site and Mitigation it required		
Aspect (affects solar radiation received)	North / North-East / North-West	East / West / South-East / South- West	South	Moderate		
Climate (difference between annual rainfall and pan evaporation)	Excess of evaporation over rainfall in the wettest months	Rainfall approximates to evaporation	Excess of rainfall over evaporation in the wettest months	Moderate		
Erosion ' (or potential for erosion)	Nil or minor	Moderate	Severe	Moderate		
Exposure to sun and wind	Full sun and/or high wind or minimal shading	Dappled light	Limited patches of light and little wind to heavily shaded all day	Minor		
Fill ² (imported)	No fill or minimal fill, or fill is good quality topsoil	Moderate coverage and fill is good quality	Extensive poor quality fill and variable quality fill	Minor		
Flood frequency (ARI) ³	Less than 1 in 100 years	Between 100 and 20 years	More than 1 in 20 years	Minor above 1:100		
Groundwater bores *	No bores onsite or on neighbouring properties	Setback distance from bore complies with requirements in EPA Code of Practice 891.3 (as amended)	Setback distance from bore does not comply with requirements in EPA Code of Practice 891.3 (as amended)	Minor		

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		Level of Constraint		Assessed
Characteristic	Nil or Minor	Moderate	Major	Level of Constraint for Site and Mitigation if required
Land area available for LAA	Exceeds LAA and duplicate LAA and buffer distance requirements	Meets LAA and duplicate LAA and buffer distance requirements.	insufficient area for LAA	Minor
Landslip (or landslip potential) ⁵	Nil	Minor to moderate	High or Severe	Minor
Rock outcrops (% of surface)	< 10%	10-20%	>20%	Minor
Slope Form (affects water shedding ability)	Convex or divergent side-slopes	Straight side-slopes	Concave or convergent side- slopes	Minor
Slope gradient * (%)				
(a) for absorption trenches and beds	<6%	6-15%	>15%	Minor
(b) for surface irrigation	<6%	6-10%	>10%	Minor
(c) for subsurface irrigation	< 10%	10-30%	>30%	Minor
Soil Drainage ⁷ (qualitative)	No visible signs or likelihood of dampness, even in wet season	Some signs or likelihood of dampness	Wet soil, moisture-loving plants, standing water in pit, water ponding on surface, soil pit fills	Minor

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	Level of Constraint							Assessed
Characteristic	Nil or Minor		Moderate		Major		Level of Constraint for Site and Mitigation if required	
Stormwater run-on	Low likelihood of stormwater run-on					High likelihood of inundation by stormwater run-on		Minor
Surface waters - setback distance (m)	Setback distance complies with requirements in EPA Code of Practice 891.3 (as amended)					Setback distance does not comply with requirements in EPA Code of Practice 891.3 (as amended)		Minor – 30m upslope setback
Vegetation coverage over the site	Plentiful vegetation with healthy growth and good potential for nutrient uptake			Moderate				
Characteristic	Level of Constraint						Assessed	
	Nil or Minor			Moderate		Major		Level of Constraint for Site and Mitigation if required
Soil Drainage [*] (Field Handbook definitions)	Rapidly drained. Water removed from soil rapidly in relation to supply, excess water flows downward rapidly. No horizon remains wet for more than a few hours after addition	Well dr Water re from th readily, flows dow Some h may rem for sever after ac	emoved ne soil excess wnward. orizons nain wet ral days	Moderately well drained. Water removed somewhat slowly in relation to supply, some horizons may remain wet for a week or more after addition	re se all pe	perfectly drained. Water removed very slowly in lation to supply, asonal ponding, horizons wet for priods of several months, some mottling	Poorly/Very poorly drained. Water remains at or near the surface for most of the year, strong gleying. All horizons wet for several months	Moderate

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Characteristic		Level of Constraint				
	Nil or Minor	Moderate	Major	Constraint for Sit and Mitigation if required		
Electrical Conductivity (ECe) (dS/m) as a measure of soil salinity ¹	<0.8	0.8 - 2	>2	Minor		
Emerson Aggregate Class (consider in context of sodicity)	4, 5, 6, 8	7	1, 2, 3	Minor		
Gleying ² (see Munsell Soil Colour Chart)	Nil	Some evidence of greenish grey / black or bluish grey / black soil colours	Predominant greenish grey / black, bluish grey / black colours	Minor		
Mottling (see Munsell Soil Colour Chart)	Very well to well-drained soils generally have uniform brownish or reddish colour	Moderately well to imperfectly drained sol's have grey and/or yellow brown mottles and in the mottled areas occur higher in the profile the less well- drained the soll	Poorty drained soils have predominant grey colours with yellow brown or reddish brown mottles located along root channels, large pores and cracks	Minor		
pH ³ (favoured range for plants)	5.5 - 8 is the optimum range for a wide range of plants; 4.5 - 5.5 suitable for many acid-loving plants		<4.5,>8	Minor		

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		Assessed Level of			
Characteristic	Nil or Minor	Moderate	Major	Constraint for Site and Mitigation if required	
Rock Fragments (size & volume %)	0 - 10%	10 – 20 %	>20%	Moderate	
Sodicity ⁴ (ESP %)	<5%	6 ~ 8%	>8%	Minor	
Soil Depth to Rock or other impermeable layer (m) ³	>1.5 m	1.5 – 1 m	<1 m	Moderate	
Soil Structure (pedality)	Highly or Moderately structured	Weakly-structured	Structureless, Massive or hardpan	Minor	
Soil Texture, ⁶ Indicative Permeability	Cat. 2b, 3a, 3b, 4a	Cat. 4b, 4c, 5a	Cat. 1, 2a, 5b, 5c, 6	Moderate	
Watertable Depth (m) below the base of the LAA	>2 m.	2 – 1.5 m	<1.5 m	Moderate	

Legend:

Nil or Minor: If all constraints are minor, conventional/standard designs are generally satisfactory.

Moderate: For each moderate constraint an appropriate design modification over and above that of a standard design, should be outlined.

Major: Any major constraint might prove an impediment to successful on-site wastewater management, or alternatively will require in-depth investigation and incorporation of sophisticated mitigation measures in the

design to permit compliant onsite wastewater management.

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4.2 Land Capability Constraints

Qualitative LCA matrix have identified the following site constraints:

- Low permeability soils
- Possible high seasonal water tables and waterlogged soils
- Climate
- Soil Texture
- Potential erosion
- Aspect
- Drainage
- Rock Fragments

Given the above secondary treatment is deemed appropriate for the site.

Please refer to See Section 6 and Appendices for specific system recommendations.

5. Proposed Onsite Wastewater System Concept Designs and Management Plan

5.1 General System Recommendations

Given the results of the LCA, the following recommendations are made for a suitable wastewater treatment system:

 That secondary treatment of effluent with appropriate land application design is suitable given site constraints

Adoption of designs considering these recommendations will limit the public and environmental health risks associated with effluent treatment and disposal over the site and provide for a sustainable long term solution to effluent treatment and land application.

5.2 Onsite Wastewater Flow and Land Application Area Modelling

5.2.1 Flow and Land Application Area Requirement

The modelling below allows for the construction of a wastewater system to service a 5 bedroom equivalent dwelling with provision for future mains water availability and standard water savings fixtures and a design flow allowance under EPAV 2013 of 180 L per person per day. Therefore the calculated effluent flows and required disposal area is as follows:

Wastewater System Modeling	1	
Proposed Number of Bedrooms	5	
Number of Equivalent Persons (EP)	6	
Water Source (Tank/Reticulated Mains)	R	
Water Saving Fixtures (None/Standard/Full)	S	
Total Daily Loading	1080	
Soil Category (AS1547-2012)	5	
Indicative Permeability (m/d)	1	
Design Irrigation Rate/ Design Loading Rate (DIR/DLR)	3.5	
Required Effluent Dipsosal Area (m ²)	309	

As a result of these calculations, at least 309 m² of area is required dispose of these flows on a

daily basis via subsurface irrigation

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5.2.2 Water Balance and Land Application Area Modelling

Please refer to Appendix 2 for the water balance modelling for each lot based upon VLCAF (2013). The nominated area method is used to calculate the area required to balance all inputs and outputs, without the need for wet weather storage. As a result of these calculations, at least 420 m² of area is required to achieve zero wet weather storage.

5.2.3 Nutrient Balance and Land Application Area Modelling

Please refer to Appendix 2 for the nutrient balance modelling (Nitrogen and Phosphorus) for each lot based upon VLCAF (2013). The methodology aims to ensure that the LAA is of sufficient size to ensure all nutrients from the applied effluent are assimilated by soils and vegetation. As a result of these calculations, at least 358 m² of area is required to achieve sustainable assimilation of N and P over the nominated system design life.

BASED UPON THE ABOVE MODELLING THE MAXIMUM MODELLED LAA REQUIREMENT IS 420 m² FOR SECONDARY TREATED EFFLUENT BASED UPON THE WATER BALANCE MODEL.

5.2.4 Mound/Bed/Trench Area Sizing

Based upon Trench/Bed Area Sizing Spreadsheet (EPA 2013) the modelled loading would require 90 m² of bed/mound basal area based upon loading secondary treated effluent into Category 4 clay loams.

5.2.5 Wastewater BOD

Based upon a loading of 60 g BOD/person/day under EPAV 2013 maximum daily influent BOD would be 360 g BOD/day.

5.2.6 Alternative Loadings and LAA Modelling

Given that the water balance model produces the most conservative LAA, it has been used to calculate the subsurface drip irrigation area for a range of

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loadings based upon the "Number of bedrooms plus 1" model at 180L/person/day. Results are detailed in Table 6 below:

Table 6 LAA Requirement for Various Dwelling Sizes				
Number of Bedrooms	Theoretical Loading (L/day)	Required LAA (m ² of irrigation)		
3	720	280		
4	900	350		
5	1080	420		
6	1260	490		
7	1440	560		

5.3 Proposed System Concept Designs

5.3.1 Treatment Systems

Given the above modelling the following treatment system would be appropriate:

- Min DN100 gravity fed sewer pipe
- Approved commercially available AWTS system with minimum daily flow capacity of 1500L.

OR:

- Min 4000L dual purpose septic tank with outlet filter
- Min 22m² gravity dosed EPA endorsed sand filter (for 5 bed dwelling)
- Min 1000L pump well

5.3.2 Land Application Areas

Min 420 m² of subsurface irrigation with appropriate buffer zones.

OR:

- Min 90m² trench/bed basal area.
- Provision for 50% reserve area (must remain free from development)
- Interceptor drainage where necessary

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LCA, Onsite Wastewater Management Plan and Concept System Designs for Proposed Rezoning Settlement Road Wurruk

5.3.3 Provision of Adequate Setback Distances and Reserve Area

Given the minimum land application areas modelled above combined with the current development plan, setback distances complying with the minimum requirements of EPA Vic (2013) are achievable (see Figure 2 and Appendix 4). Further more there is adequate room for the modelled reserve requirements as modelled above.

5.4 Monitoring, Operation and Maintenance

It is imperative that regular servicing of the AWTS unit compliant with the prescriptions of the manufacturer and Council permit occur.

To ensure that the treatment system functions adequately and provides effective treatment and disposal of effluent over its design life, asset owners have the following responsibilities:

- Suitably qualified maintenance contractors must be engaged to service the AWTS every three months, as required by Council under the approval to operate.
- Keep as much fat and oil out of the system as possible; and
- Conserve water.

To ensure that the land application area (LAA) functions adequately and provides effective treatment and disposal of effluent over its design life, asset owners have the following responsibilities:

- Irrigation areas should be checked regularly to ensure that effluent is draining freely, including flushing of irrigation lines and cleaning of inline filters
- All vehicles, livestock and large trees should be excluded from around the irrigation area.
- Low sodium/phosphorous based detergents should be used to increase the service life of irrigation area.
- · Regularly harvest (mow) vegetation within the LAA and remove this to

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maximise uptake of water and nutrients;

- Not to erect any structures over the LAA;
- Ensure that the LAA is kept level by filling any depressions with good quality topsoil (not clay).

Excessive surface dampness, smell or growth of vegetation around the LAA may indicate sub-optimal performance and professional advice should be sort.

5.5 Stormwater Management

Stormwater flows are to be captured and diverted around any land application area. Given the variable slopes of the site combined with low permeability clay soils, interceptor drainage or barrier diversion of stormwater or surface/subsurface water will likely be required on a lot specific basis.

It is further recommended that:

- adequate capture and reticulation of stormwater to approved discharge points is achieved
- rainwater capture be a part of the design of the future dwellings and buildings, with the aim of supplying at least the toilet cisterns and laundry with rainwater, with the excess rainwater from the tanks going to a soak trench(es) appropriately sized via the Australian rainfall and runoff method.
- An integrated communal stormwater management system following water sensitive urban design principals be installed for the entire proposed subdivision.

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6. Conclusions and Further Recommendations

In conclusion the following comments and recommendations are made:

- The LCA has found that the site is suitable for secondary effluent disposal.
- The maximum wastewater flow rate (MVWVF) modelling shows that the generated flows from the proposed 5 bedroom equivalent dwelling is likely to be no more than 1080 L/day.
- Modelled flows will likely require a land application area comprising:
 - Min 420 m² of irrigation derived from the water balance

OR

- Min 90m² trench/bed basal area
- Provision for min 50% reserve area (must remain free from development)
- It is likely that peak flows associated with the modelled development on each 4000m² lot should be within the buffering capacity of proposed systems both in terms of the system sizing as well as for their acceptance into the disposal area.
- Given the proposed lot size of 0.4 ha adequate setback distances and reserve provisions can be met.
- It is likely that bulk earthworks and drainage installation associated with development proposal will alter conditions of the site and as a result the recommendations of this report MUST be reconfirmed after these works have occurred. Stormwater diversion or interceptor drain installation may be appropriate at this time.

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 If the prescriptions of this report are followed the likely human and environmental health risks associated with effluent disposal over the site is low.

S Nielsen MEngSc CPSS-2 Director Strata Geoscience and Environmental Pty Ltd P: 0413545358 E: sven@strataconsulting.com.au W: www.strataconsulting.com.au



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7. References

- AS1726-1993- Geotechnical Site Investigations
- AS 1547-2012 Onsite Wastewater Disposal
- Bureau of Meteorology Website- Monthly Climate Statistics
- EPA (2013) Vic Code of Practice for Onsite Wastewater Management
- MAV & DSE 2006 (as amended) Model LCA Report
- VLCAF (2013) Victorian Land Capability Assessment Framework Calculation of Water and Nutrient Balances
- Isbell (2002) Australian Soil Classification (Revised Edn) CSIRO Publishing

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Appendix 1 Water and Nutrient Balance Method Calculations (after VLCAF 2013)

Irrigation area sizing using Nominated Area Water Balance & Storage Calculations thement Road Wurruk Site Address: 54 Oate: ----Assessor h INPUT DATA canny and Animal Four York C & No. 1994 Total of Practice (1974) while not memory from Name & a few DPA Cose of Practice (1971). Personal day in 100 Distances and 1.00 di seta haiari STLL: ŵ 1 Fairing Tamas 1100 -14 14 14 and the second 10 20 1.0 - Be 10 - t -ORALLY CALGULATION Name of the local 10 풒 ž Ξ 5 39 쥰 5 ÷ ÷ ÷ 1 = AND AREA REQUIRED FOR JERO ETORAGE -1 100 --SUPPORT OF STREET AND A STREET AND A

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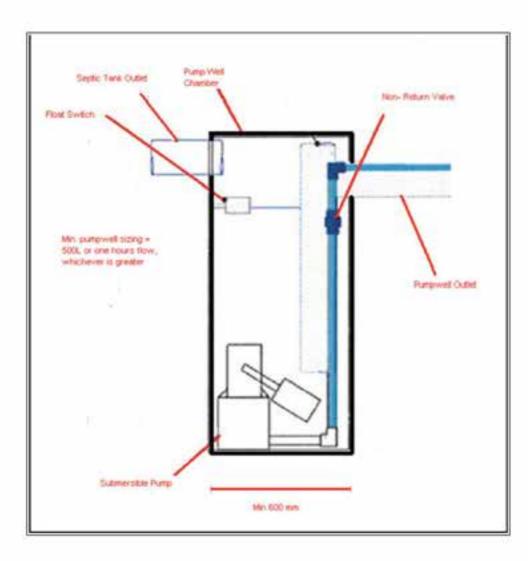
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Appendix 2 Wastewater System Concept Design and Construction Notes

Septic Tank and Pumpwell Installation

- Septic Tanks should be installed in firm ground and/or on a uniform layer of sand of minimum thickness 100mm.
- Septic Tanks should be surrounded by sand or compacted soil by watering and tamping to the firmness of the surrounding soil.
- 3. The influent pipe should be installed with a minimum grade of 1.65% or 1 in 60.
- It is recommended that septic tanks are installed a mimimum of 3 meters from foundations and for systems utilising a pump well, away from bedrooms.
- The effluent pipe MUST have an outlet filter fitted. This MUST be cleaned every month.
- Fiberglass or plastic tanks set in urban or Aboriginal Housing in Remote Area Communities shall be fitted with concrete lids or collars.
- All vehicles and livestock should be excluded from septic tank areas.
- The Septic Tank MUST be a dual purpose design with a minimum capacity compliant with the stipulations of AS1547-2000 Appendix 4.3 A
- An outflow filter and pump well shall be connected to the outflow of the sand filter. The pump well shall:
 - Have the minimum emergency storage capacity of 1000L or one days flow, which ever is greater, to provide for situations such as pump or power failure.
 - Contain a pumpset of the submersible type, driven by motors not less than 0.3 Kw, activated by a float switch, with plastic impellers to minimise corrosion problems.
 - iii. Contain a non return valve to be fitted to the discharge pipe.
 - IV. Have a high level alarm light and/or audible device (bell or buzzer) connected to the pumpset and located within the serviced dwelling so that failure of the pumpset is readily observed. All electrical cabling shall be resistant to moisture and gas penetration and control switches shall be installed in accordance with the manufacturer's specifications and to the requirements of the local electricity supply authority.

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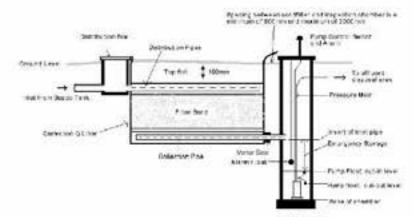


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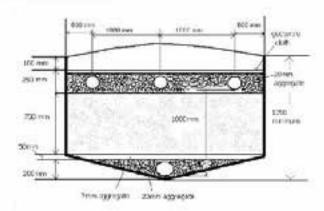
Sand Filter Design and Construction Notes



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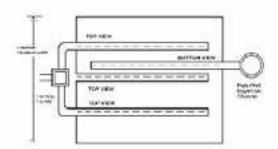
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iniet from Septie	100 mm Saver Grade Plastic Pipe (Complying with AS 1260)	 day and fine sit by volume Must have an effective size 			
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Alarti	An alarm or light indicating a pump failure must be fitted to the pump well or within the building being services by the sopic system	1			

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CROSS SECTION OF SAND FILTER

TOP WEW OF SAND FILTER



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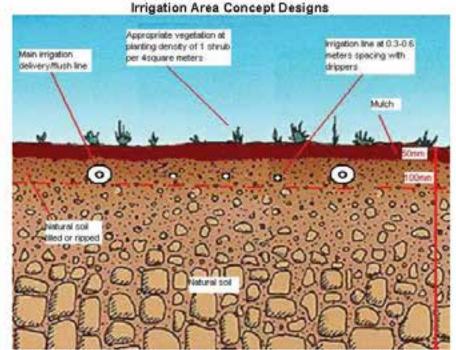


Figure 1 Irrigation cross section showing major delivery/flush lines and irrigation lines.

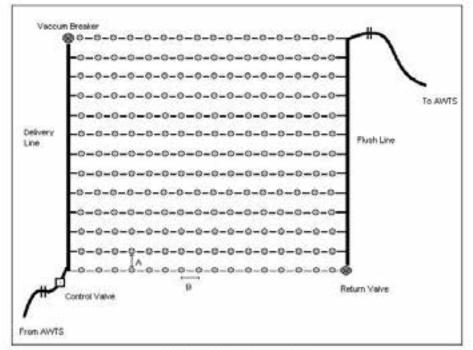


Figure 2 Irrigation Plan View

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Land Application Area Design and Construction Notes

- Delivery/flush line diameter = 25 -30 mm
- Irrigation line diameter = 12-16mm 2
- 3. Irrigation line spacing (A) =300 mm for Sands, Sandy Loams and Loams to 600mm for Clay Loams, Light Clays and Heavy Clays (see the wastewater flow modelling section of this report for soil classification).
- 4. Dripper/Sprinkler spacing (B) as per manufacturers specifications.
- 5. A vacuum breaker should be installed at the highest point of the irrigation area (or in the case of multiple irrigation lots at each lot). This breaker should be protected and marked).
- 6. A flush line should be installed at the lowest point of the irrigation area incorporating a return valve for back flushing of the system back into the treatment chamber
- 7. All lateral lines MUST be installed parallel to the contours of the land. All minimum setbacks MUST be adhered to.
- 8. An inline filter must be inserted into the delivery line.
- 9. The first 100mm of the natural soil below the ground surface should be mechanically tilled to aid line installation and soil permeability
- 10. Gypsum should be incorporated at the rate of 1kg/5m² in dispersive soils.
- 11. Selected vegetation should be planted at a density of approx. 1 plant per 4m². Recommendation regarding suitable species is made in this report. 12. Irrigation areas greater than 400 m² should be split into 100 m² cells with effluent.
- flows switched between irrigation lots with an automatic valve system
- 13. Where practical a 50% reserve area should be identified on the site to allow movement of the irrigation area if required.
- 14. In areas of moderate to steep slopes (>10%) then upslope cut off drainage should be installed to minimise shallow ground water recharge of the irrigation area from upslope.

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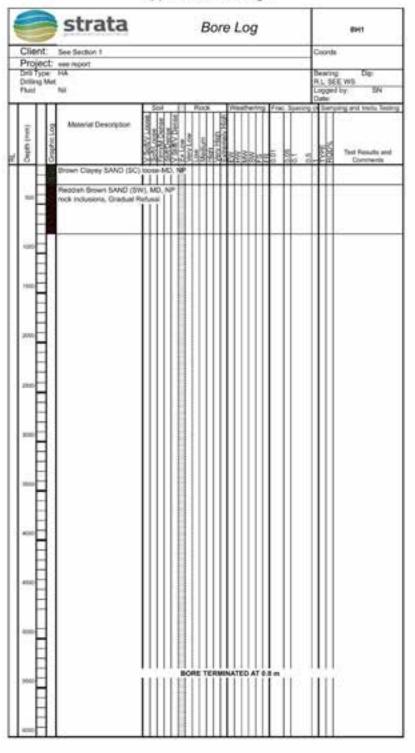
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Interceptor Ag Drain Design and Construction Notes



- Ag drain should be located upslope of the proposed imigation area/trenches/beds as shown in site plan.
- Ag drain should be 300mm wide and 700mm deep. The base of the trench MUST be excavated evenly with a minimum fall to the discharge point of 1% In clay soils smearing of walls and floors of bed MUST be avoided. Gypsum MUST be applied to base of trench at a rate of 1kg/m².
- Ag drains are best employed for areas where significant subsurface groundwater recharge is anticipated.
- Ag. drains should be constructed to ensure adequate fail to appropriate stormwater discharge points or other suitable areas provided that any water is not disposed of over site boundaries.

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Appendix 3 Borelogs

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Appendix 4 Laboratory Results



Certificate of Analysis

NATA Accredited Accreditation Number 13th Site Number 13th Accelled to consider a site SCARC 1728. The mather of the fact, address accord

Strata Geoscience and Environmenta 17 Little Arthur Street North Hobert TAS 7000

alendon.

Project name Received Date 401307-5 SETTLEMENT ROAD WURRUK Mar 03, 2016

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Sven Nil

Client Sample ID Sample Matrix Eurofins i mgt Sample No. Dats Sampled TestFieldrence	LOR	Unit	BH2 (500) Soil M16-Ma02700 Feb 24, 2016	BH4 (500) Soll M16-Ma02701 Feb 24, 2016
Conductivity (1.5 aqueous extract at 25°C)	10	uS/cm	49	47
pH (1:5 Aqueous extract)	0.1	pH Units	4.5	5.1
Calcium (exchangeable)*	0.1	meg/100g	0.3	1.9
Magnesium (exchangeable)*	0.1	meg/100g	0.2	0.3
Potassium (exchangeable)*	0.1	maq/100g	0.2	0.1
Sodium (exchangeable)*	0.1	meq/100g	0.2	0.2
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Exchangeable Sodium Percentage (ESP)*	0.1	*	29	7.5

Date Reported Mar 16, 2016

Eurofine / ngr 3-5 Alligaton Town Close, Oekleigh, Victoria, Australia, 3166 ABN : 50 005 005 521 Telephone: +01 3 5584 5000 Fanshnile: +01 3 6564 5040 Page 1 of 0

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Sample History

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Method: LTN-GEN-7090 pH in soil by ISE			
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Euroline / mgr 2-5 Ningston Town Close, Celavigh, Victorie, Avenale, 3108 ABN : 50 005 005 521 Telephone: +61 3 6564 5000 Recember +61 3 6564 5080 Page 3 of 8 Report Number 491387-9

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Date Reported: Mar 16, 2010

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	mgt						
	Control Review and Glossary						
	ulta for Method Diamics, Duplicative, Metriz Spikes, and	Laboratory Control Samples are included in this CC report where applicable. Additional CC data may be available on					
request.	reported on a dry basis, unless otherwise stated.						
	wints dependent. Quoted LORe may be relead where a	arrole extracts are disted due to interferences.					
	ected for matrix splice or surrogate recoveries.						
	waters are performed on homogenized, unlikered sam						
. Samples were and	lysed on an 'as monived' basis. 7. This report replaces	a any interim metallis previously issued.					
Holding Times							
	Preservation and Container Guide for holding times						
For samples received Receipt Advice.	on the least day of holding time, notification of leading re-	quitrements aboutd have been received at least 0 hours prior to sample receipt deadlines as stated on the Sample					
	I receive the information in the received timetrame, an	d regardless of any other integrity issues, suitably qualitied results may still be reported.					
	m the date of sampling, therefore compliance to these						
	are reported as a range NOT as RPD						
Unite							
mgAg: millgrams per	Klognan	mgit: miligrams per itre					
ug/t micrograms per i		ppm: Parts per million					
ppb: Parts per billion		%: Peterings					
org/100ml: Organism MPN/100ml: Most Pr	per 100 millitres stable Number of organisms per 100 millitres	NTU: Nephekonettic Turtidity Units					
Terms Dry	Where a residue has been deleted as a	lid wengin the would in supressed on a dry basis.					
LOR	unare a molecule has been determined on a so Limit of Reporting.	an and the second se					
SPIKE	Addition of the analyte to the sample and report	ed as percentage recovery.					
RPD	Relative Percent Difference between two Duplicate pieces of analysis.						
LOS							
CRM Method Blank	Certified Reference Material - reported as perce in the case of solid samples these are performe						
and the second second	in the case of exter samples these are performe in the case of entire samples these are performe						
Gurr - Gurrogate	The addition of a like compound to the analyte b	arget and reported as percentage recovery.					
Duplicate		ie and reported in the same units as the result to show comparison.					
Batch Duplicate		ie of the clients batch of samples but nur within the laboratory batch of analysis. de of the clients batch of samples but nur within the laboratory batch of analysis.					
USEPA	United States Environmental Protection Agency						
APHA	American Public Health Association						
ASLP		Ine I mgt uawe NATA accredited in-house method LTM-GEN-7010)					
TOUP	Tosicity Characteristic Leaching Procedure						
000 BRA	Chain of Quatody Sample Receipt Advice						
OP	Client Parent - QC was performed on samples p	serializing to this report					
HOP		tol pertaining to this report, QC is representative of the sequence or batch that client samples were analysed within					
TEQ	Todo Equivalency Outlief						
QC - Acceptanc	e Criteria						
RPD Duplicates: Glob	d RPO Duplicates Acceptance Offierta is 30% however	r the following acceptance guidelines are equally applicable:					
Results <10 times the	LOR : No Limit times the LOR : RPD must lie between 0-50%						
	Imes the LOR : RPD must lie between 0-57% LOR : RPD must lie between 0-50%						
	Recoveries must lie between 50-150% - Phenoie 20-1	100%					
OC Data Gener	15						
		OP, this is due to either matrix interference, extract dilution required due to interferences or contaminent levels within					
the sample, high r	noisture content or insufficient sample provided.						
		Ealch Duplicate from outside of your sample batch, but within the laboratory sample batch at a 1:10 ratio. The Parent					
	a shown is not data from your samples. sticlde anelysis - where reporting LOS data, Toxepher	e & Chipstene are not added to the LCS.					
	sticke analysis - where reporting tota data, Totaphe						
5. Total Recoverable	Hydrocectors - where reporting Spike & LCS date, a r	single spike of commercial Hydrocartion products in the range of C19-C90 is added and it's Total Flecovery is reported					
in the C10-C14 or	of the Report.						
	the analysis in the adontony - Analysis on this test m as soon as possible after sample receipt.	ust begin within 50 minutes of sampling Therefore laboratory analysis is unifiely to be completed within holding time.					
7. Recovery Date (3	skes & Surrogaies) - where chromalographic interferen	nce does not allow the determination of Recovery the term "NT" appears against that analyte.					
	phenyls are spiked only using Amoior 1260 in Matrix St						
	and LCS results a deah "-" In the report means that the re calculated from new analytical data thus it is possible						
In. ordpacase rorUsia	a restriction and the stration care and a to be store	E COMPANY AND A COMPANY AND A COMPANY					

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Quality Control Results

Test		Units	Result 1			Acceptance	Pass	Gualitying	
Method Blank			3	X - 3	2 73			S	3
Conductivity (1:5 aqueous extract a	t 25°C)		uS/cm	< 10			10	Pass	
Calcium (exchangeable)*			meg/100g	<0.1	·	2	0.1	Pass	<u>6</u>
Magnesium (exchangeable)*			meg/100g	<0.1	1 (A)		0.1	Pass	2
Potassium (exchangeable)*			meg/100g	< 0.1	2		0.1	Pass	č.
Sodium (exchangeable)*			meg/100g	< 0.1			0.1	Pass	
Method Blank									Q
Ion Exchange Properties			04		1			24	5
Cation Exchange Capacity	4	3. 3.	meg/100g	< 0.05	2		0.05	Pass	
Test	Lab Sample ID	GA Source	Units	Result 1			Acceptance	Pass Limits	Gualifying Code
Duplicate									
an 1 an ann ann an				Fesult 1	Result 2	RPD		Sec. 1	ŝ.
% Moisture	M16-Ma02637	NCP	*	13	13	3.0	30%	Page	5
Duplicate				8 3			2	1977 - 19	2. 2.
				Result 1	Result 2	RPD			
Conductivity (1:5 aqueous extract at 25°C)	M16-Ma02791	CP	uS/om	47	48	4.0	30%	Pass	<u> </u>
pH (1:5 Aqueous extract)	M16-Ma02791	CP	pH Units	5.1	5.1	D0399	30%	Pass	19 1

Delle Reportect Mar 16, 2016

Eurofine / npr.9-5 Alagasion Town Close, Oekielyt, Victoria, Australia, 3108 ABN : 50 005 085 521 Telephone: +01 3 8564 5000 Facalmile: +01 3 8564 5080 Page 5 of 8 eport Number: 491387-5

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Emerson Class : analysed by SESL Australia NATA accreditation number 15633, Report Number 38249

Sample Integrity	
Custody Seale Intect (Fuend)	NA
Attempt to Chill was evident	No
Sample correctly preverved	Vez
Appropriate sample containers have been used	Vez
Sample containers for voiable analysis received with minimal headspace	Yes
Samples received within HoldingTime	Yes
Some samples have been subcontracted	Yes

Authorised By

Crear Metmet Emily Rosenberg Huong Le

Senior Analyst-Metal (VIC) Senior Analyst-Inorganic (VIC)

Green Jackson National Operations Manager Find report. Ins Report replaces are prevently lased Report - Indexe NAT Requirid - Indexe NAT Resultation dates not over the performance of this service - Uncertainty data is available on my and - Manager of the Analytic on my and the find and the find and report and a service between the development of the service between the Manager of the Analytic of the Analytic of the Service of the service

Date Reported: Mar 16, 2018

Euroline / mpr 3-5 Allegator Town Close, Cesteligh, Victoria, Australia, 3166 ABN - 50 505 565 521 Telephone: +61 3 5564 5000 Facultule: +61 3 6564 5090 Page 8 of 8 Report Number: 491387-9

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Meeting Agenda - Ordinary Meeting 6 September 2016

Appendix 5 Extract from EPAV 2013

Code of Practice Onsite Wastewater Management

Table 4: Minimum daily wastewater flow rates and organic loading rates 18

Source	Design hydraulic flow rates far all water supplies ^{2.5.9} (L/person.day)	Organic material Isading design rates to 800/person.des)	
Households with extra wastewater producing faultities *	220	60	
Households with standard water fatures	160	60	
Households with full water-reduction faitures #	190	60	
Motels/hotels/guesthouse - per bar attandant	1000	90	
- bar meals per dinar	10	ND	
· per resident quest and staff with in house laundry	190	80	
- per resident quest and staff with out-sourced laundry	100	50	
Restaurents (per potential diners ¹			
- premises 450 seats	40.	-50	
- premises rSO seets	30	40	
r tearcoms, cafés per seat	6	10 30	
- conference facilities per seal	25	30	
function centre per seat	30	35	
 take-away food shop per customer 	10	40	
Public oreas (with failer, but he shewers and he cale).4	20	11	
public holiwits	5	3	
 theatres, art galleries, museum 	3	2	
meeting hals with kitchenette	10		
Premiaes with showers and tailets	80	10	
 golf clubs, gyrrs, poars etc. (per person) 			
Rospitals, - per ped -	360	150	
Shops/shopping centres			
· per employee		30	
· public atcass	5		
School - child care	20	20	
per day pupil and staff	20	20	
resident staff and boarders	150	80	
Factories, offices, day training cantres, medical centres	20	- 15	
Camping grounds	2000		
fully serviced	193	A0	
recreation areas with showers and tailets	100	40	

1. Based on EPA Code of Practice for Small Westewater Treatment Plants, Publication 500 (9997).

When calculating the Nov rate for an existing commercial premiae, use this table or material water usage data from the premise's actual or provide indeor use.

WELS-rated water-reduction flatures and fittings - minimum 4 Stars for dual-flush toilets, shower-flow restrictors, aerator task, flow/pressure control valves and minimum 3 stars for all appliances (e.g. water-conserving automatic clothes washing mathines).

These flow rates take into consideration the likelihood of a reliable water supply being currently provided to a premises or in the future less, from providewater, surface water or reticulated water supply, or a tambered water supply. So there Council is satisfied a household or premises is unively to be provided with a valiable water supply. So there Council is satisfied a household or premises is unively to be provided with a valiable water supply. So there council is satisfied a household or premises is unively to be provided with a valiable water supply. So there council is satisfied in the nost current version of AUN23 1547 may be used.
 Extre water producing fistures include, but are not limited to, apa batts.

7. Based on Crites & Tchobanepious (9998) and EPA Publication 500 (9997).

For premises such as public areas, factories of offices that have showers and toilets, use the flow rates for "fremises with showers and toilets" in the calculations.

9. Number of seats multiplied by the number of seatings i.e., may include multiple seatings for breakfast, marning and afternoon tess, such and/or Boner.

IO. The organic loading rate must be considered as well as the hydroulic flow rate when selecting the most suitable treatment system.

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Code of Practice Onsite Wastewater Management

Table 5: Setback distances for primary and secondary treatment plants and effluent disposal/irrigation areas $^{1.6 \ 0.07}$

	Setback di			
Landacope feature or structure	Primary treated effluent	Secondary sewage and greywater ethyent	Advanced secondary greywater effluent	
full dina	582	and the second second	366	
Wastewater field up-alope of building	6	3	3	
Wastewater field down-slope of building	3	1.5	1.5	
Wattewater up-skoe of cutting/escarpment 10	13	15	15	
Alighment boundary				
Wattewater field up-slope of adjacent lot	6	3		
Wastewater field down-slope of adjacent tot.	2	1.5	9.5	
Services				
Water supply poe	3	1.5	1.5	
Wastewater up-slope of pelable supply charvel	\$00	160	150	
Wastewater field down-slope of polable supply shannel	20	12	10	
Ges supply pide	3	1.5	1.5	
in-ground water tank "	15	4	3	
Stormwater drain	6	3	2	
Retreational areas				
Children's grassed playground 11		3.4	2.4	
in-ground swimming pool		3 *	5.0	
Surface waters (up-slope of a				
dam, lake or reservoir (potable water supplit) ^{10,10}	300	150	150	
Waterways (polable water supply) ¹¹	300	100 4.11	80	
Waterways, wetlands icontinuous or ephemeral, non- poliableit estuaries, ocean beach at high-fide mark: dams, lakes or reservours (stoch and domestic, non-poliable). ^{1,4}	60	30	30	
Gruundenter beres	N.5.5	2222		
Category hand 2a solts	NA"	50	89	
Category 20 to 6 solls	40	50	40	
Watertable		1.12	1 Di	
Vertical septh from base of trench to the highest seasonal water table th	15	15	15	
Vertical depth from irrigation plans to the highest seasonal water table "	NA.	15	15	

Distances must be measured horizontativ from the external walk of the treatment system and the boundary of the disposal/impation area, except for the "liatertable" category which is measured vertically through the soil profile. For surface waters, the measuring point shall be from the "bank-full lever".

Primary water based severage systems must only be installed in unsevered areas; secondary severage systems must only be installed and managed in several areas by Water Corporations; secondary graywater systems can be installed in several and unseveral areas (see Section 3.12.3).

3. Advanced secondary treated greywater of 10/10/10 standard.

The setback distances are conditional on the following requirements (otherwise the setback distances for primary efficient apply):

effluent is secondary treated to 20/30 standard as a minimum

+ effluent is applied to land via pressure-compensating sub-surface invigation installes along the contour

and a maintenance and service contract, with a service technician accredited by the manufacturer, is in place to ensure the system is requisity serviced in accordance with the relevant CA and Council Septic Tank Fermit conditions.

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Appendix 6 Terms and Conditions

Scope of Work

Second of Work These Terms and Conditions apply to any services provided to you ("the Client") by Stata Geosolence and Environmental Pty Ltd ("Strata"). By continuing to instruct Strata to act after receiving the Terms and Conditions for by using this report and its findings for iteration and/or permit application processes and not objecting to any of the Terms and Conditions the Client agrees to be bound by these Terms and Conditions, and any other terms and conditions upplied by Strata from time to them all strata's sole and absolute disordion. The scope of the services provided to the Client by Strata is limited to the services and specified purpose agreed between Strata and the Client and set out in the correspondence to which this document is enclosed or annexed ("the Services"). Strata does not purport to advise beyond the Services

Third Parties

The Services are supplied to the Client for the sole benefit of the Client and must not be relied upon by any person or entity other than the Client. Strata is not responsible or liable to any third party. All parties other than the Client are advised to seek their own advice before proceeding with any course of action.

et of Info

Provision of information The Client is responsible for the provision of all legal, survey and other particulars concerning the site on which Strata is providing the Services, including particulars of existing structures and services and features for the site and for adjoining sites and structures. The Client is also responsible for the provision of specialised services not provided by Strata. If Strata obtains these particulars or specialised services on the instruction of the Client, Strata does no as agent of the Client and at the Client's expense. Strata is not obligate to confirm the accuracy and completeness of information supplied by the Client or any third party service provider. The Client's suffered by the Client or any other particulars or services provided by the Client or obtained on the Client's behalt. Strata is not liable, and accepts no responsibility, for any dam, demand, charps, loss, damaga, injury or expense whatcoever suffered by the Client or any other person or responsibility for any dam, demand, of the Client or third party to envice any entry particle and complete information. In the event additional information becomes available to the Client, the Client must inform Strata is writing of that the information is soon as possible. Further advice will be provided at the Client's cool. Any response on the assumption that the information is not any others supplied to Strata have been provided in good faith and is all of the information response to the that the instructions and information supplied to Strata has been provided in good faith and is all of the information relevant to the provision of the Services by Strata. Strata is not liable, and accepts no responsibility, for any claim, demand, charge, loss, damage, injury or expense whatsoever if Strata has been supplied with insufficient, incorrect, incorrect, lincomplete, faile or misleading information.

Integrity

Any report provided by Strate presents the findings of the site assessment. While all reasonable care is taken when a onducting site investigations and reporting to the Client, Strata does not warrant that the information contained in any report is then from errors or omissions. Strata is not liable, and accepts no responsibility, for any claim, demand, charge, loss, damage, injury or expense whatsoever resulting from errors in a report. Any report should be read in its entirely, indusive of any summary and amenures. Usata does not accept any responsibility where part of any report is relied upon without reference to the full report

Project Specific Criteria

Any report provided by Strata will be prepared on the basis of unique project development plans which apply only to the site that is being investigated. Reports provided by Strata do not apply to any project other than that originally specified by the Client to Strata. The Report must not be used or related upon if any changes to the project are mains. The Client thould engage Strata to further advice on the effect of any change to the project. Purther advice will be provided at the Client's cost. Strata is not liable, and accepts no on the effect of any change to the project. Further advice will be provided at the Chant's cost. Strats is not lable, and accepts ino responsibility, for any change to the project is made without obtaining a further written report from Brists. Changes to the project may include, but are not limited to, changes to the investigated site or neighbouring sites, for instance, variation of the location of proposed building envelopes/botprints, changes to the building design which may impact upon building settlement or slope stability, or changes to earthworks, including removal (site cutting) or deposition of sediments or rock from the site.

Classification to \$52670-2011

It must be emphasised that the site placefication to AS2870-2011 and recommendations referred to in this report are based sole the observed sol profile at the time of the investigation for this report and account has been taken of Clause 2.1.1 of A52670 - 2011. Other abnormal molecule conditions as defined in A52670 - 2011 Clause 1.3.3 (a) (b) (c) and (d) may need to be considered in the design of the structure. Without designing for the possibility of all abnormal molecure conditions as defined in Clause 1.3.3, doing source and may result in non-"acceptable probabilities of cardooability and calling during its design life", as defined in A52670 - 2011. A52870 - 2011. Clause 1.3.1. Furthermore the clausification is preliminary in nature and needs verification at the founding surface impection phase. The classification may be changed at this time based upon the nature of the founding surface over the entire footprint of the project area. Any costs associated with a change in the site classification are to be incurred by the client. Furthermore any costs associated with delayed works associated with a founding surface inspection or achange in classification are to be born by the classifications contained within this report are void.

Subsurface Variations with Time

Any report provided by Strata is based upon subsurface conditions encountered at the time of the investigation. Conditions can and do change significantly and unexpediedly over a shot period of time. For example groundwater levels may fluctuate over time, affecting latent soil bearing capacity and es-situlnullu fill sediments may be placed/removed from the site. Changes to the subsurface conditions that were encountered at the time of the investigation void all recommendations made by Binata in any report. Strata is not lable, and accepts no responsibility. for any claim, demand, charge, loss, damage, injury or expense whatsoever resulting from any change to the subsurface conditions that were encountered at the time of the investigation, in the event of a delay in the commencement of a project or if additional information becomes available to the Client about a change in conditions becomes available to the Client, the Client should engage Strata to make a further investigation to ensure that the conditions initially incountered attl exist. Further advice will be privided at the Client's cost. Without limiting the generality of the above statement.

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Strate does not accept liability where any report is relied upon effer three months from the date of the report, (unless otherwise provided in the report or required by the Australian Standard which the report purports to comply with), or the date when the Clawt becomes aware of any change in condition. Any report should be reviewed regularly to ensure that it continues to be accurate and further advice requested from Strate where applicable. use to be accurate and

interpretation

Site investigation identifies subsurface conditions only at the discrete points of geotechnical drilling, and at the time of drilling. All data incervived from the specific project. Actual site conditions nor versite the client about overall site conditions as well as their anticipated imposit your the specific project. Actual site conditions may very from these inferred to exist as it is virtually imposible to provide a definitive subsurface profile which accounts for all the possible versite/like intervent exist as it is virtually imposible to provide a definitive subsurface profile which accounts for all the possible versite/like intervent in earth materials. This is particularly pertinent to some reathered technication and subsurface of the possible versite/like intervent in earth materials. This is particularly pertinent to some reathered technications and the solution and the possible versite/like which may also result in subsurface versite/like. Solid depth to refurse composition can very due to natural and anthopopenic processes. Variable/may lead to differences between the design depth of bared/driven piens compared with the actual depth of individual piens constructed onsite. It may also affect the bundling depth of conventional strip, pien and been as site footings, which may result is increased costs associated with exclusive (particularly of rock) or materials costs of finandations. Founding surface trappetions should be commissioned by the Client prior to foundation construction is verify the results of ordital site interactentiation and failure to insure the with well and therefore, does does not recommission technic within this report. Strate is not liable, and accepts no responsibility, for any claim, demand, charge, loss, damage, injury or expense shatsoever resulting from any version from the site conditions inferred to exist. Site investigation identifies subsurface conditions only at the discrete points of geotechnical drilling, and at the time of drilling. All data

Sitiata is not responsible for the interpretation of site data or report findings by other parties, including parties involved in the design and construction process. The Client must seek advice from Dinata about the interpretation of the site data or report.

Report Recommendations

Any report recommandations provided by Strata are only preliminary. A report is based upon the assumption that the site conditions as revealed through selective point sampling are indicative of actual conditions throughout an area. This assumption cannot be substantiated until wertworks and/or foundation construction is almost complete. Where variations in conditions are encountered, State should be engaged to provide further advice. Further advice will be provided at the Client's cost, Dista is not liable, and accepts no responsibility, for any staim, demand, charge, loss, damage, injury or expense whatsoever if the results of selective point tamping are not indicative of actual conditions throughout an area or if the Client becomes sware of variations in conditions and does not engage Strate for further advice

Geo-environmental Considerations

Where inside watewater the investigation and land application system designs are provided by Strate, reasonable effort will be made to minimise environmental and public health risks associated with the disposal of effuent within site boundaries with respect to relevant Australian guidelines and industry best practise at the time of investigation. Strate is not liable, and accepts no responsibility, for any claim, demand, charge, loss, demage, injury or expense whatsoever resulting from:

- ih) changes to either the project or site conditions that affect the onsite wastewater land application system's ability to tably dispose of modeled wathewater flows; or seepage, pollution or contamination or the cost of removing, nullifying or clearing up seepage, polluting or
- 60 contaminating substances; or
- 188
- poor system performance where septic tanks have not been de-studged at maximum intervals of 3 years or AWTS systems have not been serviced in compliance with the manufacturers recommendations; or failure of the client to commission both interim and final inspections by the designer throughout the system dets. teacher of the cheric to commission both nearms and main inspections by the designer stronghold the syste construction; or the selection of inappropriate plants for intigation areas; or damage to any influstructure including but not limited to foundations, walls, driveways and pevernents; or land instability, soil encoden or dispersion; or design changes requested by the Permit Authority.
- 60

- 646

Furthermore Shata does not guarantee septic tranch and bed design kile beyond 5 years from installation, given the influence various household chemicals have on soil structural decline and premature trench failure in some soil types. Sand filters are not warranted for more than 2 years given the large impact pre-filtration and septic tank loading and de-sludging has on sand filter performance.

Strate does not consider site contamination, unless the Client specifically instructs Strate to consider the site contamination in writing. If a request is made by the Client to consider site contamination, Strate will provide additional terms and conditions that will apply to the angagement.

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Copyright and over or documents Copyright and over or documents copyright and over an all drawings, reports, specifications, calculations and other documents provided by Strate or its amplayees in connection with the Services remain vested in Strate. The Client has a licence to use the documents for the purpose of completing the project. However, the Client must not otherwise use the documents, make copies of the documents for the purpose, of completing the project. However, the View in advance by Strate. The Client must not publish or ellow to be published, in while or is published. document provided by Strate or the name or professional affiliations of Strate, without first obtaining the written consent of Strate as to the formed constant of barries. the form and contavt in which it is to appear

If, during the course of providing the Services, Strata develops, discovers or first reduces to practice a concept, product or process which is capable of being patented then such concept, product or process is and remains the property of Strata and:

the Client must not use, infringe or otherwise appropriate the same other than for the purpose of the project without first stataining the written consent of Strate; and 65

60 the Client is entitled to a royalty free licence to use the same during the life of the works comprising the project.

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Chris Curnow, Beveridge Williams and Co Pty Ltd PO Box 47 Sale, Victoria 3850

curnowc@bevwill.com.au

Dear Chris,

Application Number (CMA Ref): WG-F-2014-0420

Property: Street: Various properties in Wurruk, Victoria 3850

Thank you for your enquiry, received at the West Gippsland Catchment Management Authority ('the Authority') on 27 January 2016 seeking updated advice for the proposed rezoning and future subdivision of the land.

The 1% Annual Exceedance Probability (AEP³) flood level (commonly known as the 1 in 100 year flood) under current climatic conditions ranges from 3.8 metres AHD⁴ south of Settlement Road to 4.2 metres AHD north of Settlement Road.

The applicable 1% AEP flood level for this development ranges from 3.8 metres AHD to 4.2 metres AHD.

The following advice is based on the final results of the Latrobe River Flood Study 2015, and supersedes the advice previously provided in relation to this matter, dated 9 September 2014.

Please note: This document contains flood level <u>advice only</u> and does not constitute approval or otherwise of any development at this location.

Please refer to the attached explanatory report for further detail.

Should you have any queries, please do not hesitate to contact Penny Phillipson on 1300 094 262. To assist the Authority in handling any enquiries please quote WG-F-2014-0420 in your correspondence with us.

Yours sincerely,

Adam Dunn Statutory Planning Manager

Cc: Wellington Shire Council

The information contained in this correspondence is subject to the disclaimers and definitions attached.



Correspondence PO Box 1374, Traralgon VIC 3844 Telephone 1300 094 262 | Facsimile (03) 5175 7899 | Email westgippy@wgcma.vic.gov.au | Website www.wgcma.vic.gov.au Traralgon Office 16 Hotham Street, Traralgon VIC 3844 | Leongatha Office Corner Young & Bair Streets, Leongatha VIC 3953

EXPLANATORY REPORT Figure 1 – 1% AEP flood extent



Decision Guidelines

The West Gippsland Catchment Management Authority assesses all applications against the following National, State and Local Policies, Guidelines and Practice Notes:

- 'Technical Flood Risk Management Guideline: Flood Hazard' (Australian Emergency Management Institute, 2014).
- 2. 'Victoria Flood Management Strategy' (DNRE, 1998).
- 3. Council Planning Schemes, including the:
 - i. State Planning Policy Framework
 - ii. Local Planning Policy Framework
 - iii. Relevant Zones and Overlays.
- Guidelines for Coastal Catchment Management Authorities: Assessing development in relation to sea level rise' (DSE, 2012).
- Applying for a Planning Permit under the Flood Provisions A Guide for Councils, Referral Authorities and Applicants' (DTPLI, 2000).
- 'Flood Guidelines Guidelines for development in flood prone areas' (West Gippsland Catchment Management Authority, 2013).

1% AEP³ Flood Level Determination

Floods are classified by the frequency at which they are likely to occur. In Victoria, all proposals for development on floodplains are assessed against a flood that, on average, will occur once every 100 years. A flood of this size has a 1% chance of occurring in any given year, and is known as either the 100 year Average Recurrence Interval (ARI⁵) flood or the 1% Annual Exceedance Probability (AEP) flood. Please note that the 1% AEP flood is the minimum standard for planning in Victoria, and is not the largest flood that could occur. There is always a possibility that a flood larger in height and extent than the 1% AEP flood may occur in the future.

Flood levels for the 1% Annual Exceedance Probability (AEP) flood event (commonly known as the 1 in 100 year flood) have not been designated or declared for this area under the Water Act 1989. Flooding at the property is influenced by both the Thomson and Latrobe Rivers.

The portion of the subject land downstream of Settlement Road is predominantly influenced by flooding in the Latrobe River. The estimated 1% Annual Exceedance Probability (AEP) flood level for this area is 3.8 metres AHD, which was obtained from the Latrobe River Flood Study 2015.

For the property upstream of Settlement Road the Thomson River is the dominant influence. The estimated 1% Annual Exceedance Probability (AEP) flood level for this area is 4.2 metres AHD, which was estimated from historic flood levels recorded in the area.

The applicable 1% AEP flood level for this development therefore ranges from 3.8 metres AHD to 4.2 metres AHD.

The Authority holds no information in relation to the arrangement and capacity of stormwater drainage infrastructure in the area and recommends that you contact Council for more information.

Flood Hazard Assessment

The West Gippsland Catchment Management Authority's 'Flood Guidelines - Guidelines for development in flood prone areas' (2013) require all new residential lots to be located outside the 1% AEP flood extent.

As demonstrated in Figure 2, a significant portion of Lot 7 on PS 602219 is likely to be subject to inundation during a 1% AEP flood event. The Authority considers it inappropriate to rezone this portion of the land for residential purposes, as it is not suitable for future residential development. The Authority recommends that the portion of Lot 7 on PS 602219 below 3.5m AHD remain zoned for farming purposes.

It is also noted (Figure 2) that the eastern portion of CA 21 Sec E is likely to be subject to flooding, however it is understood that this land is currently zoned for residential purposes (LDRZ). Given that this portion of the property contains a designated waterway, the Authority will require that any future subdivision proposal for the land must incorporate the waterway, and all land within the 1% AEP flood extent (i.e. all land below 3.8m AHD), within a reserve.

Protection of designated waterways

To ensure the long term protection of the designated waterway, and to minimise future maintenance requirements for this reserve, a Waterway Management Plan (WMP) is required. The WMP must identify the timing and frequency of actions required to establish and maintain the ecological reserve, and must include a landscape plan for revegetation of the waterway, with a species list and proposed density of the plantings. The vegetation must be representative of the Ecological Vegetation Class for the site.

All works within 30 metres of the designated waterway require a Works on Waterways permit from the West Gippsland Catchment Management Authority, issued under the *Water Act 1989*. This includes (but is not limited to) construction of any recreational paths and crossings, construction of any vehicle access over a designated waterway, and installation of any water, stormwater or sewer infrastructure within 30 metres of a designated waterway. A Works on Waterways permit application must be accompanied by a satisfactory Waterway Management Plan, and detailed construction drawings of the proposed works.

Page 3 of 5

Stormwater management

With regards to the management of stormwater discharge, the Authority requires consideration of the following principles:

- Water Sensitive Urban Design (WSUD) features should be integrated in the development to provide a high level of landscape amenity, and environmental and recreational benefits.
- The long term maintenance and operation costs must be considered when designing and locating WSUD features.
- The applicant must demonstrate (e.g. using Model for Urban Stormwater Improvement Conceptualisation, MUSIC) that stormwater discharged to a designated waterways will meet the 'Urban Stormwater Best Practice Environmental Management Guidelines' (CSIRO, 1999).

Prior to the Certification of any Plan of Subdivision, a Stormwater Management Plan must be developed to the satisfaction of the West Gippsland Catchment Management Authority, which will identify appropriate Water Sensitive Urban Design features to provide stormwater treatment to meet best practice guidelines. The applicant must clearly identify how stormwater runoff from the entire development will be managed and treated, prior to discharge to the designated waterways.

Any proposed discharge of stormwater requiring a direct connection to a designated waterway (as defined by the Water Act 1989) will require approval by the Authority. A Works on Waterways application should be submitted to the Authority for assessment. This is a separate process to that under the Planning and Environment Act 1987 and needs to be considered early in the project development phase.

Page 4 of 5

Definitions and Disclaimers

- The area referred to in this letter as the 'proposed development location' is the land parcel(s) that, according to the Authority's assessment, most closely represent(s) the location identified by the applicant. The identification of the 'proposed development location' on the Authority's GIS has been done in good faith and in accordance with the information given to the Authority by the applicant(s) and/or the local government authority.
- While every endeavour has been made by the Authority to identify the proposed development location on its GIS using VicMap Parcel and Address data, the Authority accepts no responsibility for or makes no warranty with regard to the accuracy or naming of this proposed development location according to its official land title description.
- AEP as Annual Exceedance Probability is the likelihood of occurrence of a flood of given size or larger occurring in any one year. AEP is expressed as a percentage (%) risk and may be expressed as the reciprocal of ARI (Average Recurrence Interval).

Please note that the 1% probability flood is not the probable maximum flood (PMF). There is always a possibility that a flood larger in height and extent than the 1% probability flood may occur in the future.

- AHD as Australian Height Datum is the adopted national height datum that generally relates to height above mean sea level. Elevation is in metres.
- ARI as Average Recurrence Interval is the likelihood of occurrence, expressed in terms of the longterm average number of years, between flood events as large as or larger than the design flood event. For example, floods with a discharge as large as or larger than the 100 year ARI flood will occur on average once every 100 years.
- Nominal Flood Protection Level is the minimum height required to protect a building or its contents, which includes a freeboard above the 1% AEP flood level.
- 7. No warranty is made as to the accuracy or liability of any studies, estimates, calculations, opinions, conclusions, recommendations (which may change without notice) or other information contained in this letter and, to the maximum extent permitted by law, the Authority disclaims all liability and responsibility for any direct or indirect loss or damage which may be suffered by any recipient or other person through relying on anything contained in or omitted from this letter.
- 8. This letter has been prepared for the sole use by the party to whom it is addressed and no responsibility is accepted by the Authority with regard to any third party use of the whole or of any part of its contents. Neither the whole nor any part of this letter or any reference thereto may be included in any document, circular or statement without the Authority's written approval of the form and context in which it would appear.
- The flood information provided represents the best estimates based on currently available information. This information is subject to change as new information becomes available and as further studies are carried out.
- Please note that land levels provided by the Authority are an estimate only and should not be relied on by the applicant. Prior to any detailed planning or building approvals, a licensed surveyor should be engaged to confirm the above levels.

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ATTACHMENT 2

Planning and Environment Act 1987

WELLINGTON PLANNING SCHEME

AMENDMENT C84

EXPLANATORY REPORT

Who is the planning authority?

This Amendment has been prepared by the Wellington Shire, which is the planning authority for this Amendment.

The Amendment has been made at the request of Beveridge Williams & Co. Pty. Ltd. On behalf of Jelaryl. Pty. Ltd; Park Ridge Investments Pty. Ltd; Reyela Pty.Ltd and Pearsondale Heights Pty.Ltd.

Land affected by the Amendment

The Amendment applies to the Wurruk Growth Area as identified in the Sale, Wurruk Longford Structure Plan (2010), with the specific land parcels proposed for rezoning listed below.

Title Details Property Address		Proposed			
LOT: 6 PS: 702630C	Princes Highway, Wurruk	Rezone from LDRZ to GRZ1			
		Remove DPO1, apply DPO9			
LOT:7 PS: 702630C	Princes Highway, Wurruk	Rezone from LDR2 to GR21			
		Remove DPO1, apply DPO9			
CA: 21 5EC: E	Settlement Road, Wurruk	Rezone part from LDRZ to GRZ1 (western area above flood level)			
		Remove DPO1, apply DPO9, update LSIO and FO			
Lot:2 PS: 610634F	Arnup Road, Wurruk	Rezone from FZ to GRZ1			
		Apply DPO9			
Lot: 1 PS: 61034F	402 Arnup Road, Wurruk	Rezone from FZ to GRZ1			
		Apply DPO9			
CA: 19 SEC: E	Arnup Road, Wurruk	Rezone from FZ to LDRZ			
		Apply DPO9			
Lot: 1 PS: 602219P	148E Settlement Road, Wurruk	Rezone from FZ to RAZ, LDRZ and GRZ1			
		Apply to part the FO, LSIO and DPO9			
Lot: 2 PS: 602219P	148F Reid Drive, Wurnuk	Rezone from FZ to RAZ			
Lot: 3 PS: 602219P	1488 Reid Drive, Wurruk	Rezone from F2 to RA2			
Lot: 4 PS: 602219P	148A Reid Drive, Wurruk	Rezone from F2 to RAZ			
Lot: 5 PS: 602219P	148C Reid Drive, Wurruk	Rezone from FZ to RAZ			
Lot: 6 PS: 602219P	148D Reid Drive, Wurruk	Rezone from FZ to RAZ			
Lot: 7 PS: 602219P	1613 Settlement Road, Wurruk	Rezone from FZ to RAZ, LDRZ			
	anan an	Remove part of HO, apply to part the FO, LSIO and DPO9			



What the amendment does

The Amendment proposes to rezone the Wurruk Growth Area, as identified in the Sale, Wurruk and Longford Structure Plan (2010) to the General Residential Zone 1 and Low Density Residential Zone - including the application of the Development Plan Overlay – Schedule 9. The Amendment seeks to rezone the Kilmany Park Estate to the Rural Activity Zone to recognise and better reflect its existing use. The Amendment removes the Development Plan Overlay - Schedule 1 and amends the Heritage Overlay, Flood Overlay and Land Subject to Inundation Overlay to reflect the most up-to-date information.

The Amendment proposes to:

- Rezone land at Princes Highway, Wurruk being Lots 6 and 7 PS:702630C from Low Density Residential Zone to General Residential Zone Schedule 1.
- Rezone part of land at Settlement Road, Wurruk being CA:21 SEC: E, Parish of Wurruk Wurruk from Low Density Residential Zone to General Residential Zone Schedule 1.
- Rezone land at 402 Arrup Road and Arrup Road, Wurruk being Lots 1 and 2 PS: 61034F from Farming Zone to General Residential Zone Schedule 1.
- Rezone land at Arnup Road, Wurruk being CA: 19 SEC: E Parish of Wurruk Wurruk from Farming Zone to Low Density Residential Zone.
- Rezone land at 148E Settlement Road, Wurruk being Lot:1 PS:602219P from Farming Zone to part Rural Activity Zone, Part Low Density Residential Zone and Part General Residential Zone Schedule 1.
- Rezone land at 148F, 148B, 148A, 148C and 148D Reid Drive, Wurruk being Lots: 2,3,4,5 and 6 PS:602219P from Farming Zone to Rural Activity Zone.
- Rezone land at 1613 Settlement Road, Wurruk being Lot:7 PS: 602219P from Farming Zone to part Rural Activity Zone and part Low Density Residential Zone.
- Delete Clause 43.04- Development Plan Overlay Schedule 1 from Lots: 6 and 7 PS: 702630C being Princes Highway, Wurruk and CA:21 SEC: E, Parish of Wurruk Wurruk being Settlement Road, Wurruk.
- Apply Clause 43.04 -Development Plan Overlay Schedule 9 to land at Princes Highway, Wurruk being Lots 6 and 7 PS:702630C; Settlement Road, Wurruk being CA:21 SEC: E, Parish of Wurruk Wurruk; 402 Arnup Road and Arnup Road, Wurruk being Lots 1 and 2 PS: 61034F; 148E Settlement Road, Wurruk being Lot:1 PS:602219P; and 1613 Settlement Road, Wurruk being Lot:7 PS: 602219P.
- Amend the Schedule to Clause 43.01 Heritage Overlay to update the heritage controls and reduce the extent of HO68 "Kilmany Park Estate".

- Amend the Schedule to Clause 81.01 to replace the incorporated document "Individual Heritage Place (Rural areas) Permit Exemptions", to include the updated heritage citation for HO68 - "Kilmany Park Estate".
- Amend Planning Scheme Maps 92, 92LSIO-FO, 92DPO, 93, 93DPO, 93LSIO-FO 125, 125DPO, 125HO, 125LSIO-FO, 126, 126DPO, 126HO and 126LSIO-FO.

Strategic assessment of the Amendment

Why is the Amendment required?

The Amendment is required to allow the land, all located within the Wurruk Growth Area, to be developed for residential purposes at a mixture of low and standard densities. This Amendment is consistent with the Sale, Wurruk & Longford Structure Plan (2010).

How does the Amendment implement the objectives of planning in Victoria?

The Amendment is consistent with and implements the objectives of planning in Victoria specified in Section 4 of the *Planning and Environment Act* 1987. In particular, the Amendment implements:

- Objective 4(1) (a) by providing for the fair and orderly, economic and sustainable use and development of the land.
- Objective 4(1) (c) by securing a pleasant, efficient and safe working, living and recreational environment for all Victorians and visitors to Victoria.
- Objective 4(1) (d) by conserving and enhancing those buildings, areas or other
 places which are of scientific, aesthetic, architectural or historical interest, or
 otherwise of special cultural value.

The rezoning of the identified land will make provision for the residential development of the land at a range of densities within the identified Growth Area in Wurruk.

How does the Amendment address any environmental, social and economic effects?

The Amendment gives consideration to the potential environmental, social and economic impacts of the long-term development of the land.

The proposed rezoning will change the long-term use from agricultural to residential. In order to avoid negative outcomes, the proposal includes the application of a Development Plan Overlay. A specific Schedule to the Development Plan Overlay has been prepared for this area, which includes key design principles to achieve a distinctive, attractive neighbourhood with a centrally located community area. The community area will provide benefits for the whole Wurruk community and therefore the movement network will be required to connect the older, more established areas with the new development.

Assessments have already been undertaken in relation to overall drainage, flooding, native scattered trees and the historic Kilmany Park Estate. The draft Schedule to the Development Plan Overlay and the proposed application of the Heritage Overlay, Flood Overlay and Land Subject to Inundation Overlay reflect and facilitate the recommendations of those assessments. Further specialist assessments will be required in relation to traffic, native vegetation and cultural heritage. The recommendations of these specialist reports will be required to be incorporated into the final Development Plan. As such, all potential environmental and social impacts will be considered in detail during the preparation of the Development Plan itself.

Overall, it is expected that the Growth Area will provide a net community benefit for the Wurruk and broader community as:

- It will provide sufficient housing opportunities for the projected population growth within the Sale area;
- The population growth will provide opportunities for the improvement and expansion of commercial and community facilities; and

 During development and construction there will be associated economic benefits to local businesses.

Does the Amendment address relevant bushfire risk?

The land within the Study Area is currently not affected by the Bushfire Management Overlay (BMO). Although the subject land is not recognized as having any bushfire risk through the Wellington Planning Scheme, it is located within a Designated Bushfire Prone Area. On this basis, all buildings will need to be constructed to a minimum standard to provide protection from bushfire events.

The Country Fire Authority will be formally consulted during the public exhibition stage of the Amendment process.

Does the Amendment comply with the requirements of any Minister's Direction applicable to the amendment?

The Amendment complies with the requirements of the Ministerial Direction on the Form and Content of Planning Scheme pursuant to s 7(5) of the *Planning and Environment Act* 1987 (the Act).

Pursuant to Section 12 of the Planning and Environment Act 1987, the Amendment complies with the following applicable Ministerial Directions:

- Ministerial Direction No. 11 Strategic Assessment of Amendments; and
- Ministerial Direction No. 15 The Planning Scheme Amendment Process.

This Planning Scheme Amendment is accompanied by all of the required information.

How does the Amendment support or implement the State Planning Policy Framework and any adopted State policy?

The Amendment supports the State Planning Policy Framework as follows:

<u>Clause 11 – Settlement</u>: The proposed Amendment will increase the supply of urban land available for residential development by approximately 800 lots, which represents ~11 years of residential supply for the Sale area. The Development Plan Overlay – Schedule 9 will ensure the sustainable and orderly development of the area. The Wurruk Growth Area is also identified within the Gippsland Regional Growth Plan (2014).

<u>Clause 13 – Environmental Risks:</u> The Amendment proposes to update the extent of the Land Subject to Inundation Overlay and Floodway Overlay in response to advice from the West Gippsland Catchment Authority and up-to-date flood mapping data.

<u>Clause 15 – Built Environment and Heritage:</u> The Amendment will enable the creation of a new neighbourhood. The proposed DPO9 will ensure that all new development will appropriately respond to the topography and the direct amenity of existing low density residential housing. A small area of the subject site is noted as having potential sensitivity to Aboriginal Cultural Heritage. This will be investigated and recommendations will be addressed as part of the Development Plan process.

Kilmany Park Estate is a significant heritage place. The amendment proposes updates to the extent of the Heritage Overlay and the Heritage Citation.

<u>Clause 16- Housing:</u> Through its facilitation of a broad range of lot sizes, i.e. General Residential Zoned lots of between 600m² and 1,000m², Low Density Residential Lots of between 2,000m² and 5,000m², in a gently undulating setting, the proposed amendment and subsequent development will create a broad diversity of housing and lifestyle opportunities that will bring diversification across the market.

<u>Clause 19- Infrastructure:</u> The proposed Schedule 9 to the Development Plan Overlay requires the provision of all essential services and infrastructure including community facilities, pedestrian path, cycling links and roads.

How does the Amendment support or implement the Local Planning Policy Framework, and specifically the Municipal Strategic Statement?

The amendment supports and implements the Local Planning Policy Framework and Municipal Strategic Statement in a number of different ways.

<u>Clause 21.04- Settlement:</u> The proposed amendment will accommodate growth within a growth area which will support and reinforce the regional role of Sale. The requirements for the Development Plan will ensure appropriate urban design to achieve a connected neighbourhood.

<u>Clause 21.05 – Sale Wurruk and Longford Strategic Framework:</u> The township role of Wurruk is: 'Wurruk will provide diversity and choice in urban and rural living housing, opportunities for the establishment of new industry and an improved range of local services and facilities. It will act as a secondary settlement and activity node to complement Sale.'

The Clause identifies the subject land as a residential growth area. The proposed rezoning will enable the area to develop as envisioned in this Clause.

<u>Clause 21.14- Environmental Risks:</u> Flood prone land within the proposed amendment will either remain in the Low Density Residential Zone or be rezoned to the Rural Activity Zone. Restricting development in flood prone areas will protect the community from potential floods.

<u>Clause 21.16- Built Environment and Heritage:</u> The proposed schedule 9 to the Development Plan Overlay ensures that the native scattered trees will be incorporated in the final subdivision design. The requirements for the centrally located community area and pedestrian and cycling network will encourage social interaction and physical activity for the future residents of this neighbourhood and existing residents in the already surrounding established areas.

<u>Clause 21.17- Economic Development</u> Kilmany Park Estate plays a significant role in the history of Sale and its immediate surroundings and is therefore deemed attractive to tourists in its existing use as bed and breakfast and conference centre. The Amendment facilitates further development of the Kilmany Park Estate as a point of interest for tourists by proposing to rezone the subject land to Rural Activity Zone.

<u>Clause 21.18- Transport</u> The proposed Schedule 9 to the Development Plan Overlay promotes walking and cycling as a form of transport by requiring a connected and integrated movement network.

Does the Amendment make proper use of the Victoria Planning Provisions?

The amendment uses the most appropriate Victorian Planning Provision tools to achieve the strategic objectives of the Wellington Planning Scheme.

This proposed amendment seeks to utilise existing zones and apply them to appropriate areas within the Wurruk growth area. Overlays applied to specific areas which require specific development control.

How does the Amendment address the views of any relevant agency?

The preliminary views of VicRoads, the West Gippsland Catchment Management Authority and Gippsland Water have already been sought.

The West Gippsland Catchment Management Authority has provided the most up to date flood mapping. The Land Subject to Inundation Overlay and Flood Overlay are proposed to be updated in accordance with the updated data as part of this amendment.

Advice from VicRoads and Gippsland Water will be addressed as part of the Development Plan process.

Further views of the relevant agencies will be sought during the public exhibition process.

Does the Amendment address relevant requirements of the Transport Integration Act 2010?

The Amendment is not likely to have a significant impact on the transport system, as recognised in Section 3 of the *Transport Integration Act 2010*. The statements of policy principles under Section 22 of the *Transport Integration Act 2010* are not relevant to the current proposal.

Resource and administrative costs

What impact will the new planning provisions have on the resource and administrative costs of the responsible authority?

The proposal will, in the long term, be followed by an application for approval of a Development Plan under the provisions of the proposed Development Plan Overlay and applications for planning permits for subdivision and development on all rezoned parcels of land. However, the development is not likely to result in significant impacts on Council's resource and administrative costs.

Where you may inspect this Amendment

The Amendment is available for public inspection, free of charge, during office hours at the following places:

Wellington Shire Council	Wellington Shire Council
Sale Service Centre	Yarram Service Centre
18 Desailly Street	156 Grant Street
Sale VIC 3850	Yarram VIC 3971

The Amendment can also be inspected free of charge at the Department of Environment, Land, Water and Planning website at www.delwp.vic.gov.au/public-inspection.

Submissions

Any person who may be affected by the Amendment [and/or planning permit] may make a submission to the planning authority. Submissions about the Amendment [and/or planning permit] must be received by [insert submissions due date -to be included after Authorisation is received].

A submission must be sent to Strategic Planning, Wellington Shire Council, PO Box 506, Sale, VIC, 3850.

Panel hearing dates

In accordance with clause 4(2) of Ministerial Direction No.15 the following panel hearing dates have been set for this amendment:

- directions hearing: [to be included after Authorisation is received]
- panel hearing: [to be included after Authorisation is received]

Planning and Environment Act 1987

WELLINGTON PLANNING SCHEME

AMENDMENT C84

INSTRUCTION SHEET

The planning authority for this amendment is the Wellington Shire Council.

The Weilington Planning Scheme is amended as follows:

Planning Scheme Maps

The Planning Scheme Maps are amended by a total of 7attached maps sheets.

Zoning Maps

 Amend Planning Scheme Map Nos. 92, 93, 125 and 126 are in the manner shown on the attached map marked "Wellington Planning Scheme, Amendment C84".

Overlay Maps

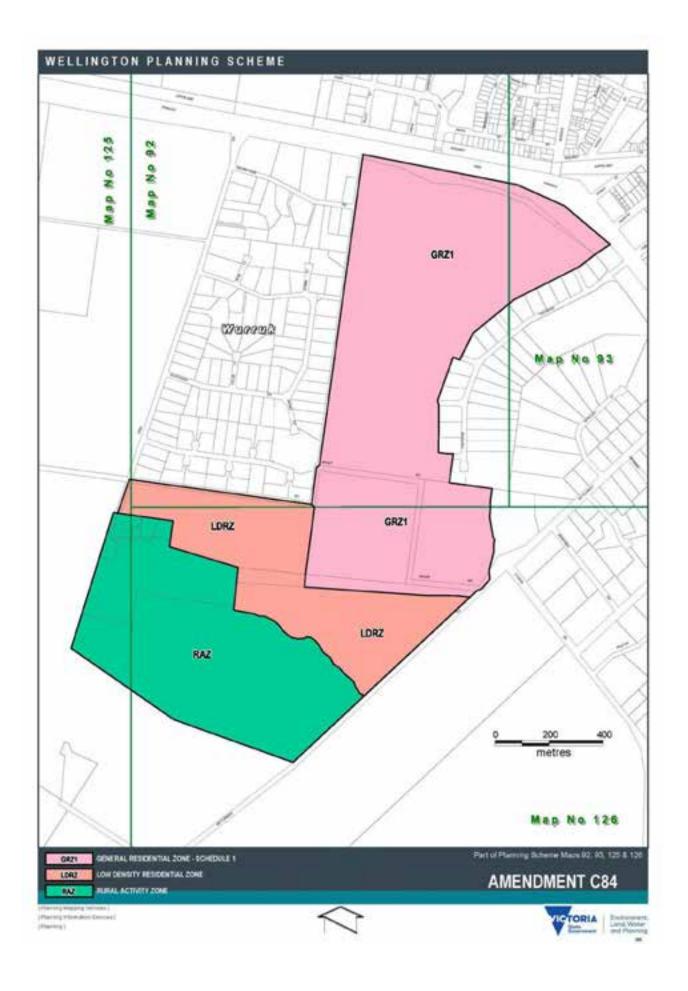
 Amend Planning Scheme Map Nos. 92DPO, 92LSiO-FO, 93DPO, 125HO, 125LSiO-FO, 126DPO, 126HO and 126LSiO-FO are in the manner shown on the 6 attached maps marked "Wellington Planning Scheme, Amendment C84".

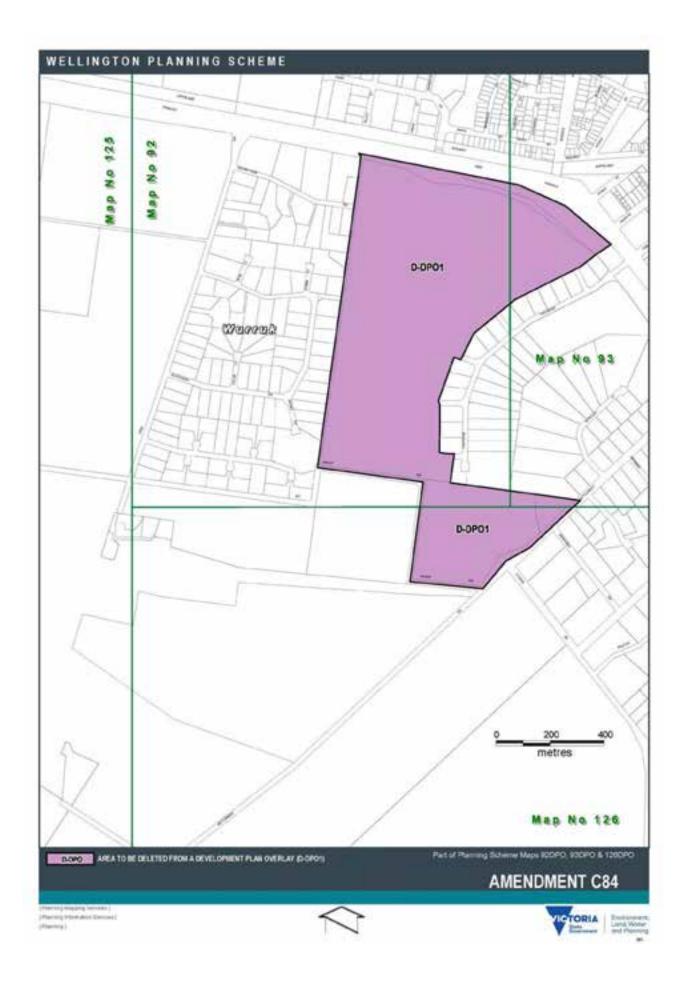
Planning Scheme Ordinance

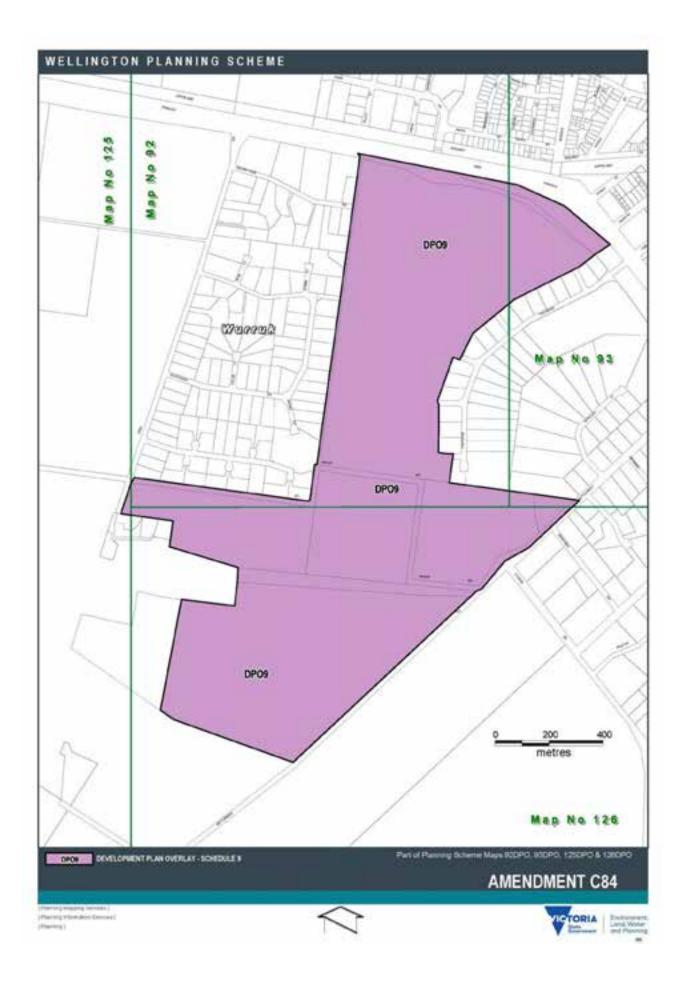
The Planning Scheme Ordinance is amended as follows:

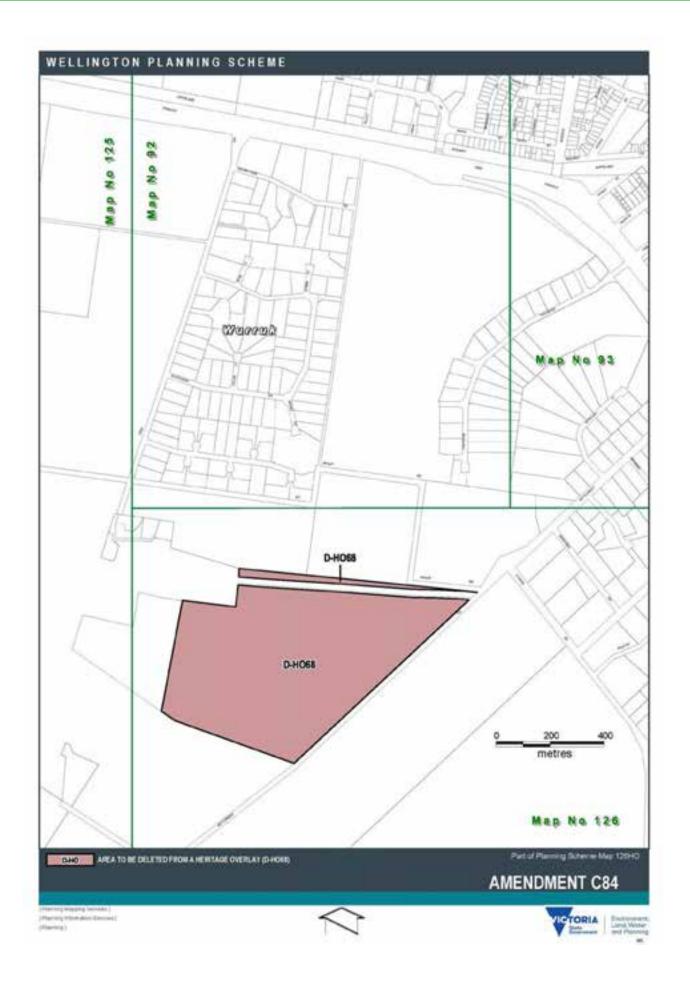
- In Overlays Clause 43.01, replace the Schedule with a new Schedule in the form of the attached document.
- In Overlays Clause 43.04, insert a new Schedule 9 in the form of the attached document.
- In Incorporated Documents Clause 81.01, replace the Schedule with a new Schedule in the form of the attached document.

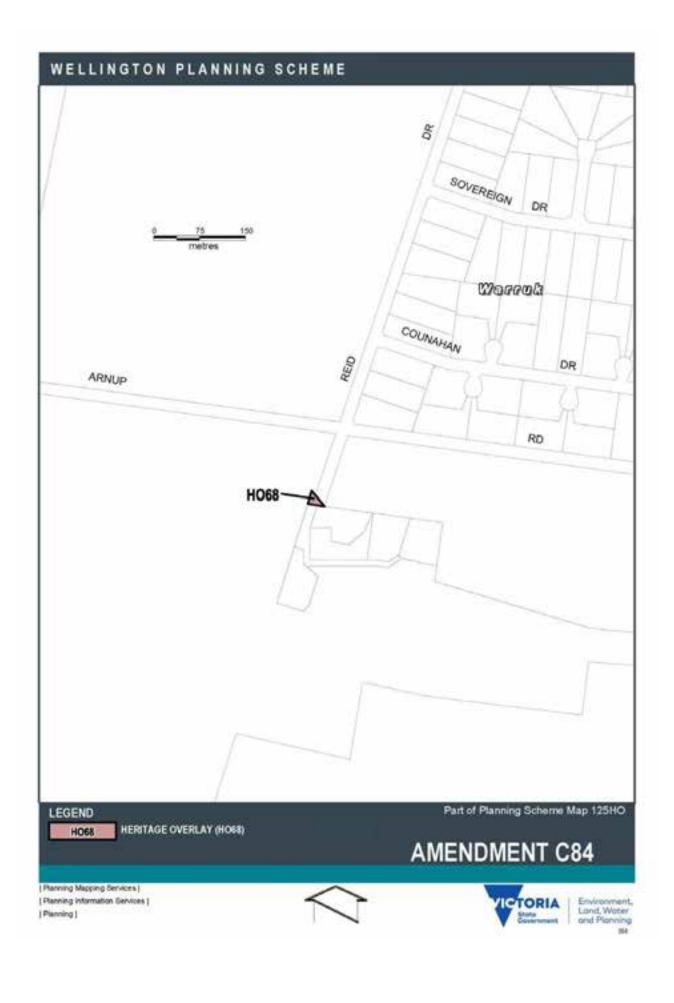
End of document

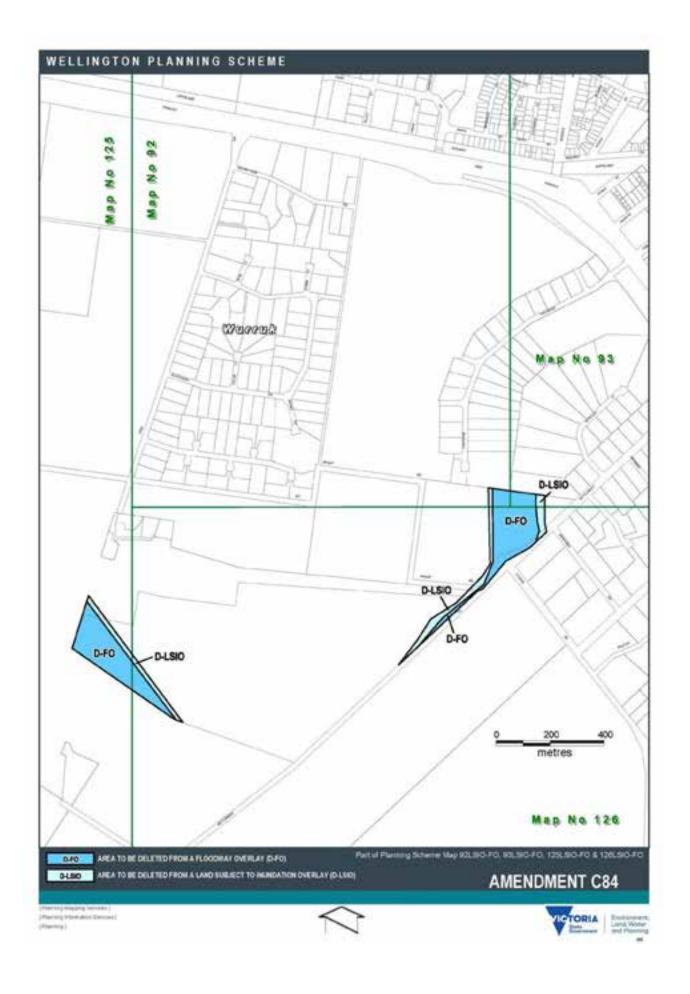


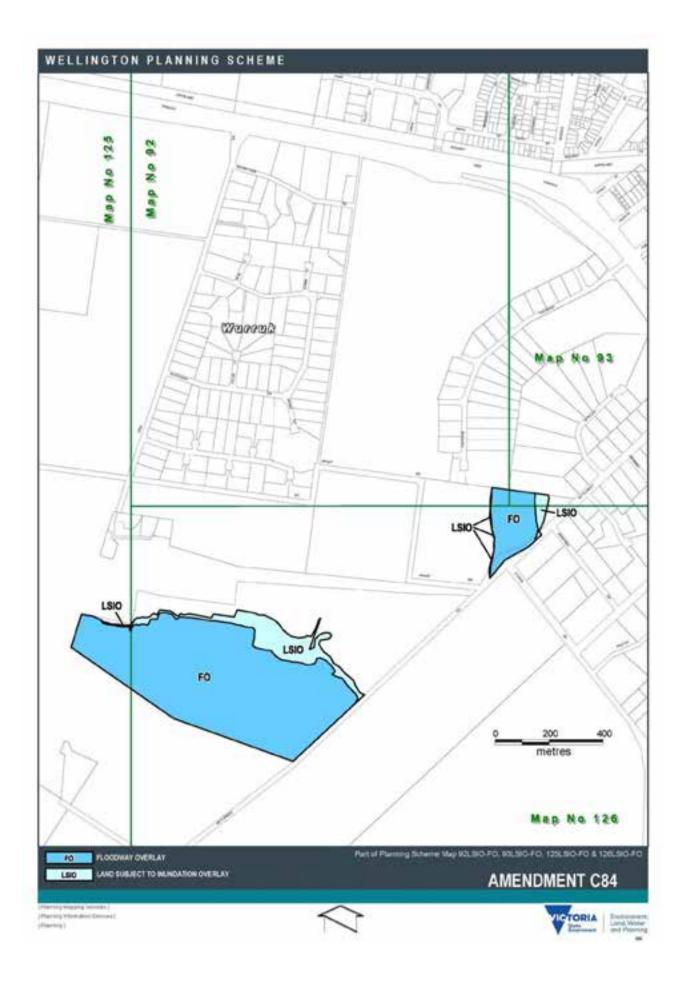












Property CM

SCHEDULE 9 TO THE DEVELOPMENT PLAN OVERLAY

Shown on the planning scheme map as DPO9

SALE WESTERN GROWTH AREA - WURRUK

DRAFT

1.0 Requirement before a permit is granted

-J-CD-Proposed CM

A permit may be granted to construct or carry out minor works to an existing building prior to the approval of a development plan if the responsible authority is satisfied that the granting of a permit does not prejudice the intended outcomes of the development plan.

A permit for subdivision must be be considered against the staging plan identified in the approved development plan, the residential supply in the Sale area and a demonstrated demand for further development.

2.0 Conditions and requirements for permits

-7-00-Prepared CM

A permit application for subdivision must include:

- A subdivision plan showing building envelopes and lot frontages.
- A Stormwater Management Plan.

Any permit for subdivision and development must include conditions reflecting guidelines, requirements and conditions as stated in the approved development plan.

Any permit regarding land containing a native tree where retention is required or deemed achieveable, must contain a condition giving effect to tree protection (including canopy and root system) during subdivision construction. The existing agreement under Section 173 of the *Planning and Environment Act 1987* for specific trees within the development plan area will lapse once the tree protection strategy is fully implemented.

Any permit regarding land where at least 25 per cent of the perennial understory is made up of native grasses must contain a condition requiring an approved Offset Management Strategy prior to Statement of Compliance.

Any permit regarding land where onsite waste water management systems are used must show the building and effluent disposal envelopes on the subdivision plan. The minimum lot size for sites with onsite waste water management systems is 4000 square metres.

Any permit regarding land containing a designated waterway must contain a condition requiring a Water Management Plan.

Any permit regarding land containing or abatting a place of cultural heritage significance (including Kilmany Park) must contain a condition which gives effect to any recommendations for the protection, enhancement and interpretation of the place as referred to in the approved development plan.

Any permit for subdivision must include an agreement under Section 173 of the Planning and Environment Act 1987 between the landowners and the responsible authority to acknowledge the arrangements (e.g. payments or works-in-lieu) of infrastructure contributions identified in the development plan. If such an agreement already exists providing for the required infrastructure contributions, the landowner(s) are not required to enter into a new agreement. The agreement will lapse once all specified requirements of the agreement have been satisfied.

3.0

-1-20-Proposed CS4

There must be a single development plan for the whole development plan area to which this schedule applies.

The development plan must be generally in accordance with the concept plan shown in Figure 1 below and address the following design principles:

A distinctive neighbourhood with a strong sense of place through:

Requirements for development plan

DEVELOPMENT PLAN OVERLAY - SCHEDULE 9

PAGE 1 OF 4

- Utilising the natural topography of the area to create rural views and vistas from key
 public areas and roads to its surroundings.
- Enhancing and protecting heritage features such as Kilmany Park estate, significant Aboriginal sites and other objects of cultural or historical significance.
- Retaining significant indigenous vegetation, particularly native scattered trees.
- A connected and integrated movement network by providing:
 - A permeable, sealed and safe road network based on a practical road hierarchy, directly connected with abutting residential areas. Cul-de-sacs are discouraged.
 - Continuous and direct routes for pedestrians and cyclists between proposed and established residential areas and the neighbourhood activity centre, public open space, Wurruk Primary School, Sale CBD, public transport and other key public areas.
- A centrally located and accessible community area for use of the whole Wurruk community, which contains;
 - A district open space not less than live hectares with at least a regional playground, junior football ground, change rooms, shelter with barbeque and public toilets.
 - A neighbourhood activity centre with total building footprint of not less than 1,500 square metres for commercial and community uses such as child care centre, convenience store and take-uway.
 - Opportunities to facilitate formal and informal community gathering and social interaction.
- An attractive and safe neighbourhood through:
 - Distinctive neighbourhood entrances from the Princes Highway and Settlement Road.
 - · A prominent highway frontage that provides an attractive entrance into Sale.
 - Appropriate interfaces with Kilmany Park, existing low density residential areas and the neighbourhood activity centre.
 - Lots fronting to major roads, shared paths, waterways, flood plains, public open space and reserves.
 - Natural surveillance to create a sense of safety and security.

The development plan must be accompanied by and incorporate recommendations of the following specialist reports, and others as requested by the responsible authority:

- A Traffic Impact Assessment Report, Traffic Management Plan and Road Safety Audit which also determines impacts on surrounding sreas.
- A Native Vegetation Assessment including a Biodiversity Assessment Report.
- A Cultural Heritage Management Plan.

The specialist reports must address the design principles and concept plan included in this schedule and any relevant background studies previously undertaken.

The development plan must incorporate the road reserve west of Lot 6 PS702630.

The development plan must be informed and accompanied by a detailed design response based on an analysis of the natural, cultural and strategic context of the site and reflecting the recommendations of all specialist reports.

The development plan must contain:

- A description of the proposed neighbourhood vision and character enhancing the existing heritage, cultural and natural features.
- · A site responsive and functional lay-out pattern including the identification of
 - The subdivision lay-out providing a variety of lot sizes and densities.
 - The location of all public open space and land to be used for drainage or conservation purposes.
 - The road network, integrated with surrounding residential areas including movement network for pedestrians and cyclists.
 - View corridors and heritage features.

DEVELOPMENT PLAN OVERLAX - SCHEDULE 9

PAGE 2 OF 4

- A landscape strategy with a consistent theme based on the proposed vision and character for the whole development including guidelines to support water sensitive urban design, details of street furniture, entrance statements from the Princes Highway and Settlement Road, and the native vegetation to be retained in public open space.
- A draft concept plan for the neighbourhood activity centre and district open space, including location of a sports oval, play space, general footprint of building(s), vehicle access points, location of parking, areas for delivery and waste disposal, integration with the pedestrian and bicycle path network, access to public transport and interfaces with abutting development.
- Urban design guidelines for the whole development providing for high quality built form, heritage recognition, active frontages, sense of place and security, and all ability access.
- Urban design guidelines and concept plans for interfaces with the Princes Highway, established residential areas, Kilmany Park Estate, Settlement Road and the flood plain at the southern boundary.
- Interim and ultimate design solutions, particularly for infrastructure within and outside the development plan area including connections to key public areas.
- An overall Servicing Plan showing water, sewerage, drainage, stormwater, electricity and telecommunications.
- A Staging Plan and Land Budget, including lot yield targets per stage.
- A Developer Contributions Plan addressing anticipated timing and details of all required infrastructure associated with the development, including interim and ultimate infrastructure requirements.

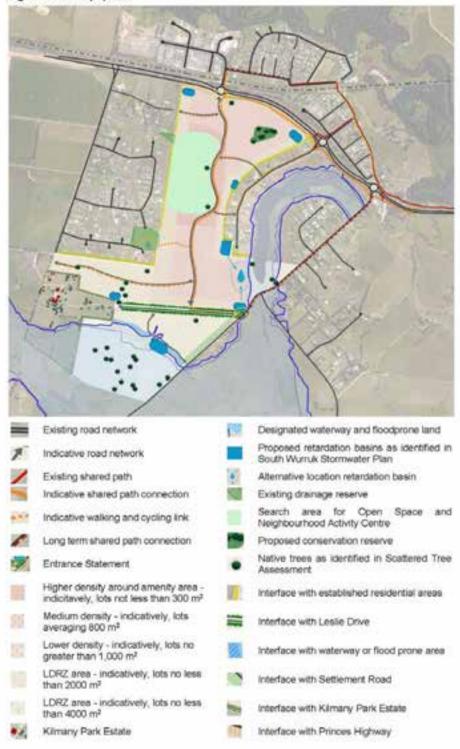
In assessing the development plan or an amendment to the development plan, the responsible authority must be satisfied that it:

- Achieves the design principles specified in this Clause.
- Is consistent with the Sale, Wurruk and Longford Structure Plan (2010), the South Wurruk Stormwater Plan 2016, Scattered Tree Assessment, June 2014, Land Capability Assessment March 2016 and subsequent specialist reports.
- Provides all essential services; community facilities; pedestrian and cycling links; and roads.
- Is prepared to the satisfaction of the responsible and external authorities including CFA, VicRoads, West Gippsland Catchment Management Authority, Gippsland Water, Aboriginal Affairs Victoria, Department of Environment Land Water and Planning and relevant service authorities.
- Is developed with the appropriate level of community participation as determined by the responsible authority.
- Implements development requirements as set out in the Infrastructure Design Manual (IDM) and other requirements as determined by relevant authorities.
- Supports design and development principles as set out in
 - Supportive Environments for Physical Activity (SEPA) principles of healthy urban design-refer to Healthy by Design guidelines;
 - Water Sensitive Urban Design (WSUD), including recycling infrastructure and use of treated water;
 - Crime Prevention Through Environmental Design (CPTED)
- Is in accordance with any relevant agreement prepared under Section 173 of the Planning and Environment Act 1987.

DEVELOPMENT PLAN OVERLAY - SCHEDULE 9

PAGE 3 OF 4





DEVELOPMENT PLAN OVERLAY - SCHEDULE 9

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SCHEDULE TO THE HERITAGE OVERLAY

Trains and City

The requirements of this overlay apply to both the heritage place and its associated land

Please note: for readability purposes only the relevant page of this schedule where the change is proposed is shown. There are no changes proposed to other parts of this schedule as part of Amendment C84.

PS Map Ref	Heritage Piace	External Paint Controls Apply?	Internal Alteration Controls Apply?	Tree Controis Apply?	Outbuildings or fences which are not exempt under Clause 43.01-3	Included on the Victorian Heritage Register under the Heritage Act 1995?	Prohibited uses may be permitted?	Name of Incorporated Plan under Clause 43.01-2	Aboriginal heritage place?
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	SALEWURRUK								
HO149	Wurruk Primery School No. 2518 15-19 Fisk Street, Wurruk	No	No	No	No	No	No	-	No
HO150	Tom's Cottage 10-12 Otway Street, Wurruk	No	Na	No	No	No	No	Individual Heritage Places (township areas) Permit Exemptions	No
H0148	House 2 (Part CA 3) Riverview Road (Princes Highway), Wurruk	No	No	No	No	No	No	Individual Heritage Places (rural areas) Permit Exemptions	No
HO68	Kilmany Park 1613 Settlement Road, 1484, 1488, 1490, 1490, 1485 and 1485-4 Reid Drive, Wurruk	Yes	Yes940	Yes	Yeshko	No	No	Individual Heritage Places (rural areas) Permit Exemptions	No
H0151	Oak Tree Settlement Road & Reid Drive, Wurruk	No	No	Yes	No	No	No	Individual Heritage Places (rural areas) Permit Exemptions	No

HERITAGE OVERLAY - SCHEDULE

PAGE 1 OF 1

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CHEDULE TO CLAUSE 81.01

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1	Name of document	Introduced by	
A)	berton Cemetery Heritage Permit Exemptions	C26(Part 1)	
	stralian Standard AS2021-2015, Acoustics – Aircraft Noise Intrusion – ilding Siting and Construction, Standards Australia Limited, 2015	1.0 10 10 200 200	
Bi	sslink - Land Use and Development Controls, 2002	C15	
	ollands Landing Estate Restructure Plan Sheet 1 of 2 and Sheet 2 of 2, 5 June 2000	NPS1	
	dividual Heritage Places (Rural areas) Permit Exemptions, <u>damended</u> inust 2016)	(C84C26(Part-1)	
In	dividual Heritage Places (Township areas) Permit Exemptions	C26(Part 1)	
	Inety Mile Beach Development and Subdivision Controls Golden Beach Glomar Beach, Incorporated Document, March 2012" comprising	C71	
•	Stage R7, DRG No 3421019-00-001		
٠	Stage R8, DRG No 3421019-00-002		
•	Stage R9, DRG No 3421019-00-003		
•	Stage R10, DRG No 3421019-00-004		
•	Stage R11, DRG No 3421019-00-005		
•	Stage R12, DRG No 3421019-00-006		
•	Stage R13, DRG No 3421019-00-007		
1	Stage R14, DRG No 3421019-00-008		
•	Stage R15, DRG No 3421019-00-009		
•	Stage R16, DRG No 3421019-00-010A		
•	Stage R17, DRG No 3421019-00-011		
•	Stage R18, DRG No 3421019-00-012		
1	Stage R19, DRG No 3421019-00-013A		
:	Stage R20, DRG No 3421019-00-014A Stage R21, DRG No 3421019-00-015A		
:	Stage R22, DRG No 3421019-00-016		
	Index Sheet, DRG No 3421019-00-017		
No	nety Mile Beach Restructure Plan Stage R1, 15 June 2000	NPS1	
-	nety Mile Beach Restructure Plan Stage R2, 15 June 2000	NPS1	
-	nety Mile Beach Restructure Plan Stage R3, 15 June 2000	NPS1	
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-	nety Mile Beach Restructure Plan Stage R4, 15 June 2000	NPS1	
-	nety Mile Beach Restructure Plan Stage R5, 15 June 2000	NPS1	
-	nety Mile Beach Restructure Plan Stage R6, 15 June 2000	NPS1	
-	nety Mile Beach Restructure Plan Stage R23, 15 June 2000	NPS1	
N	nety Mile Beach Restructure Plan Stage R24, 15 June 2000	NPS1	
N	nety Mile Beach Restructure Plan Stage R25 & R26, 15 June 2000	NPS1	
N	nety Mile Beach Restructure Plan Stage R27 & R28, 15 June 2000	NPS1	
N	nety Mile Beach Restructure Plan Stage R29, 15 June 2000	NPS1	
1.0	nety Mile Beach Restructure Plan Stage R30, 15 June 2000	NPS1	
141	nety Mile Beach Restructure Plan Stage R31, 15 June 2000	NPS1	
Ni	nety Mile Beach Restructure Plan Stage R32, 15 June 2000	NPS1	

INCORPORATED DOCUMENTS - CLAUSE 81.01 - SCHEDULE

PAGE 1 OF 2

Name of document	Introduced by	
Ninety Mile Beach Restructure Plan Stage R34, 15 June 2000	NPS1	
Ninety Mile Beach Restructure Plan Stage R35 & R36, 15 June 2000	NPS1	
Ninety Mile Beach Restructure Plan Stage R37 Sheet 1 of 2 and Sheet 2 of 2, 15 June 2000	NPS1	
Port Albert Henlage Precinct Permit Exemptions	C26(Part 1)	
Princes Highway Duplication, Traralgon to Kilmany, Incorporated Document, November 2012	C76	
Sale & District Agricultural Society Showgrounds Heritage Permit Exemptions	C26(Part 2)	
Sale Golf Club Re Development Concept Masterplan March 2008	C69	
Sale Golf Club Re-Development Landscape Strategy Plan June 2008	C69	
Sale Residential Heritage Precincts Permit Exemptions (amended September 2015)	C93	
Sale Rural Heritage Precinct Permit Exemptions	C26(Part 1)	
Sale Town Centre Heritage Precinct Permit Exemptions	C26(Part 1)	
Wellington Shire Heritage Place Citations 2007	C26(Part 1)	

INCORPORATED DOCUMENTS - CLAUSE 81.01 - SCHEDULE

PAGE 2 OF 2

	DRAFT HURLAGE CITATION FOR SILMANCE PARK- HET Softward Rasi, Worsak, 30				
Locality:	Wurruk				
Place address:	1613 Settlement Road, 148A, 148B, 148C, 148D, 148E and 148F Reid Drive Wurruk				
Citation date	2016				
Place type and	1. Meat House exterior and interior (c 1847-70),				
construction date:	2 Mens Quarters (c1860/alterations c1880-81),				
	3 Underground Water Tanks (c1870-81) 3,				
	4 Stables (1880-81),				
	5 English Oak and copper Dedication Tablet (1901), (Quereus robur) HO151,				
	6 Gardens and trees and elliptical unscaled carriage drive c1870-1906,				
	7 Driveway (Later known as Leslie Drive) (1903) and English Oak trees at Settlement Road entry and at the mansion end.,				
	8 Mansion house exterior and interior (1905-06),				
	9 McClelland Memorial Gate Pillars and plaque at Reid Dr entry (1924),				
	10 Kilmany Park School No. 4240. (1927),				
	11 Kilmany Park School Sloyd Room (1949),				
	12 Recreation building Ainslic Bequest 1962 and plaque,				
Recommended	Local government level				
heritage protection:	Local Planning Scheme: Yes				
Protections	Vic Heritage Register: Yes (part)				
	Heritage Inventory (Archaeological): No				
	Source: The Leader, 7th July 1906, p.33.				
Place name:	Kilmany Park Mansion and Kilmany Park Farm Home for Boys Complex				
Architectural Sty	vle: Victorian Georgian (Mens Quarters, Stables, Meat House); Federation Classical with Art Nouveau interior elements plaster decoration, timber screens, lead light windows, (Mansion house 1905-6); Interwar Moderne (School and Sloyd Room); Post War Functionalist (c1962) Recreation building;				
Designer / Archi	tect: J H W Pettit architect and surveyor. (Brick house 1870-71- now very modified): (1880-81 stables and alterations to Mens Quarters);				
	Harry B Gibbs and Finlay (1905-06 mansion house);				
	Percy Everett (1949 Sloyd Room),				
	Keith Reid (1962 Recreation room),				
Builder	William Allen (1880-81 Stables):				

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DRAFT HEIRTAGE CITATION FOR SIGMAN'S PARIS 1815 Seriescer Rusil, Worsik, 2016



Fig 1 Mansion and elliptical driveway.

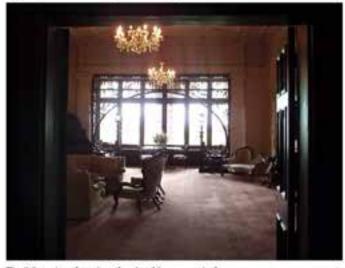


Fig 2 Interior showing the Art Nouveau timber screen.



Fig 3. Looking from the upstairs balcony towards the driveway.

Draft Statement of Significance for HO68 'Kilmany Park' with a reduced polygon and amended Statutory Recommendations.

This statement of significance is based on the history and description (only) in Trethowan, Architecture Interiors Heritage (2016). The assessment of significance is the opinion of the author, Lorraine Huddle. The Criteria, A, B, C, D, E, F, G, H is the Heritage Council Criteria for assessing cultural heritage significance (HERCON). Level of Significance, Local, State, National, is in accordance with the level of Government legislation.

What is significant?

"Kilmany Park Mansion, and the Kilmany Park Farm Home for Boys Complex" at 1613 Settlement Road, Wurruk, is significant. The complex consists of the following significant elements from the two main historical development phases of the place: The estate of the Pearson family, 1841– c1923, and the Kilmany Park Farm Home for Boys (1923– c1977). (See aerial view in Fig D1)

- The Mansion house and interior, as built in 1905-6 and designed by Melbourne architects Harry B Gibbs and Finlay and the following outbuildings and trees associated with the Pearson family.
 - 1 Meat House exterior and interior (c 1847-70),
 - 2 Mens Quarters (c1860/alterations c1880-81);
 - 3 Three Underground Water Tanks (c1870-81)
 - 4 Racing Stables (1880-81) designed by local architect J H W Pettit.
 - 5 English Oak (1901) and copper plaque, (Quercus robur) HO151,

6 Gardens and trees c1870+ as specified by John Hawker, and including elliptical unscaled carriage drive in front of the house,

7 Driveway from Settlement Road (1903) (later known as Leslie Drive) and English. Oak trees at Settlement Road entry and mansion end.

8 Mansion house exterior and interior (1905-06),

- Kilmany Park Farm Home for Boys (1923- c1977): including structures by PWD architect Percy Everett c1949, and structures attributed to architect Keith Reid 1962.
 - 9 McClelland Memorial Gate Pillars and plaque at Reid Drive (1924),
 - 10 Kilmany Park School No. 4240 .(1927).
 - 11 Kilmany Park School No. 4240 Sloyd Room (1949), PWD architect Percy Everett.
 - 12 Recreation building Ainslie Bequest 1962, attributed to architect Keith Reid and 1962 brass dedication plaque.

The original form, materials and detailing of each building or element listed, are significant as originally constructed.

Later outbuildings, and alterations and additions to the buildings or elements are not significant, including a series of caretakers' and labourers' houses associated with the operation of 'Kilmany Park' as the boys' home and as a dairy farm, by the Uniting Church of Australia, and the fence at the Settlement Road entry to the driveway are not significant. The 1960s oval and indigenous plantings along the 1903 driveway are not significant. The realigned shape of the 1903 driveway, which goes around the 1960s oval is not significant.

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How is it significant?

The significant elements from the "Kilmany Park Mansion Complex" estate of the Pearson family, (1841- c1923) and the significant elements from the period of the Kilmany Park Farm. Home for Boys (1923- c1977) are **locally significant** for their historical, social, aesthetic and scientific values to the Shire of Wellington.

"Kilmany Park Mansion Complex" estate of the Pearson family, (1841- c1923) are potentially significant to the State of Victoria for their social, historical and aesthetic values.

Why is it significant?

Kilmany Park complex is historically and socially significant at a Local level. The homestead and its setting, including gardens, grounds, 1903 formal private driveway with paired mature English oak trees at each end, (from Settlement Road) and surrounding landscape, are significant for the associations with the social status of the Pearson family, as formidable members of the Victorian horse racing industry, generous public benefactors within the Gippsland region and a political dynasty seen through successive generations serving as state parliamentarians, resulted in 'Kilmany Park' serving as a social centre for both the Sale district and the upper echelors of Victorian state society during the Victorian and Edwardian periods, including royalty, state governors, Melbourne gentry and notable residents of the Sale district. (Criterion A)

Following the significant reduction of the estate, due to compulsory acquisition by the Closer Settlement Board from the early 1910s, and the eventual disposal of the homestead and its remnant land by the Pearson family in the 1920s, its acquisition as a Presbyterian Church boys' home in 1923 (the Kilmany Park Farm Home for Boys) saw the construction of multiple buildings directly related with the operation of the home and the education, social welfare and training of the boys who lived there, including; a school (c.1927), a Sloyd room, designed by renowned Public Works Department Percy Everett (c.1949); and a recreation centre (1962), presumably designed by notable Post-war era architect Keith Reid. These buildings are important for their social and architectural significance; socially for the operations of the boys' home and architecturally for being good examples of their typologies in addition to their provenance as works of architects Percy Everett and, presumably, Keith Reid. Many of these developments were the result of generous benefactors, most from Sale, who took an active interest in the ensuring the success of the boys home, and included the recognition of their donations and work, in the form of the McClelland Memorial Gate Pillars and plaque at Reid Drive (1924), and the Recreation building and dedication plaque, Ainsite Boquest 1962. (Criterion A, G & H)

Kilmany Park complex is historically significant at a local level for its association with one of Victoria's notable domestic architects, J H W Pettit, who designed most of the Kilmany Park buildings constructed in the 19th century, and worked as an architect in Sale between 1854 and 1896, predominantly designing ecclesiastical and civic buildings. (Criterion H) and for associations with prominent local builder William Allen who was responsible for a number of significant buildings in the Shire, and for its association with Melbourne's pre-eminent commercial and domestic architects, Harry B. Gibbs and Finlay Architects, who designed the 1905-6 Mansion, and a Sloyd room, designed by renowned Public Works Department Percy Everett (c.1949); and a recreation centre (1962), presumably designed by notable Post-war era architect Keith Reid. (Criterion H)

Kilmany Park complex is aesthetically significant at a local level as a complex that has a two storey mansion on a particularly grand scale, built in 1905–6 with the wide arcaded loggia at ground level and superimposed upper arcade with segmental arches and heavy central pediment. It is notable as one of www.heimenentificance.eman the last of the conservative Classical mansions erected in Victoria. It is also notable for the interior design especially the variety of its art nouveau lead light windows and plaster decoration, the art nouveau timber screen in the drawing room, the imposing stair lobby and the great balcony,

Kilmany Park complex is aesthetically and scientifically significant at a local level for the fine tree specimens including a Bunya Bunya Pine, Hoop Pine, Lilly Pilly, Flame Tree, Hazeinut, Blue Atlas Cedar, Himalayan Cedar, Monterey Cypress, Bhutan Cypress, English oak, Sugar Gum, Japanese Spindle-wood, Loquat, Liquidambar, Norfolk Island Hibiscus, Pear, Chinese Hawthorn, Tortured Willow, Weeping Elm and Purple Elm. Most notable of the trees is a large English Oak to the west of the homestead. This 1901 English Oak (1901) and copper plaque, (Quercus robur) HO151 is historically, socially, aesthetically and scientifically significant as an outstanding specimen in Victoria. This English Oak (Quercus robur) at Kilmany Park planted by King George V when visiting the property as the Duke of York and Cornwell on 15 May 1901 is of historical and scientific (horticultural) significance to Wellington Shire. Historically, it is significant for its associations with King George V and a reminder of his visit to Sale at the time of Federation. It demonstrates the importance of Sale as city and Kilmany Park. Scientifically, it is of horticultural significance as a fine mature specimen of this species. (Criteria A, B, E, F & G)

The oval, and indigenous trees planted along the driveway, a series of caretakers' and labourers' houses associated with the operation of 'Kilmany Park' as the boys' home and as a dairy farm, by the Uniting Church of Australia (following the closure of the boys' home and its transfer from the Presbyterian to Uniting Churches in c.1977) are not significant.

Statutory Recommendations

This place is recommended for inclusion in the Schedule to the Heritage Overlay of the Wellington Shire Planning Scheme to the extent of the title boundary as shown on the map.

External Paint Controls	Yes:
Internal Alteration Controls	Yes; Mansion and Meat house only.
Tree Controls	Yes, oaks at front gate, mature exotic trees
Outbuildings or fences which are not exempt under Clause 43.01-3	Yes, Meat house, 3 underground water tanks, Men's quarters, stables, school, Sloyd Room, Recreation centre, McClelland Memorial Gate posts and plaque,
Prohibited Uses May Be Permitted	-
Incorporated Plan	Individual Heritage Places (rural areas) Permit Exemptions
Aboriginal Heritage Place	Not assessed,

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Map of recommended boundary for Heritage Overlay



Fig 4. Map showing the blue shaded polygon which includes the full length of 1903 driveway to Settlement Road, and important view lines in red arrows to the school buildings and to the Mens Quarters and the rural views to the south. The red shaded polygon is a view line from Settlement Road to the mansion.

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History

Locality history

The Locality History is from Heritage Assessment 'Kilmany Park' 1613 Settlement Road, Wurruk Trethotoan 2016.

From the early 1840s, the Gippsland region of Victoria was initially settled by 'squatters'¹⁷ who took up licenses on vast runs of Crown land. The majority of these early settlers were Scottish emigrants.¹⁸ This followed earlier exploration into Gippsland, from New South Wales, by Scottish explorer Angus McMillan from December 1839.¹⁹

The inaccessibility of Gippsland from Melbourne during this early period was well noted, the Crown Lands Commissioner for Gippsland, Charles Tyers, abandoning his attempt at a 'practical overland route', in September 1843, instead opting to sail for Port Albert in January 1844.²⁰ Prior to this, the majority of attempts at an overland route into the central plains of North Gippsland had been made from the New South Wales borders, via the mountain trail of Angus McMillan through alpine Gippsland.²¹ Those settlers opting for the alpine route shepherded livestock (both sheep and cattle) on a journey that, in the case of the early 'overlander' William Odell Raymond in June 1842, took four months.²²

Other Scottish squatters that opted for the overland route included William Pearson who, at the age of 23, started for Gippsland in June 1841. Travelling overland toward the Murray River (to the future site of Albury), Pearson followed the Mitta-Mitta River toward Mt Gibbo from where he travelled overland, via Omeo, into Gippsland where he took up a 'run'²³ on the central plains, in what would become the Sale district, in September 1841.²⁴ He named his run 'Kilmany Park'.

Place history

This place history is from Heritage Assessment 'Kilmany Park' 1613 Settlement Road, Wurruk Trethowar 2016.

The 'Kilmany Park' estate at Wurruk, near Sale, was established in 1841 by squatter William Pearson. Systematically developed over time by both Pearson and his son, also William Pearson, the estate eventually covered an area of approximately 30,000 acres.

Securing freehold on the homestead block lead to the development of more permanent structures after 1847, including the first 'Kilmany Park' house: a gable roofed weatherboard bungalow of sorts, with five sets of French doors opening onto a recessed verandah beneath a continuous roofline. In c.1870-71, this house was superseded as the principal residence on the estate with Pearson commissioning a new house, to a design by Norwich-born, Sale-based architect and surveyor John Henry Wroth (J.H.W.) Pettit. Despite being superseded, the original house was retained as an annexe to the new residence with an internal connection between the two, via a small hipped-roof weatherboard link.

In 1880-81, Pearson commissioned improvements to the Kilmany Park stables including the construction of a purpose built racing stable, again engaging Sale-based architect John Henry Wroth Pettit. Constructed by Rosedale builder William Allen, the stable consisted of 10 loose boxes and 5 stalls. At its height the stables were considered 'the best outside Melbourne', consisted of the central stable buildings and three training tracks, two of which were specifically.

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designed for jumpers (steeple-chase) incorporating 'stout post and rail and log and stone fences' for training the horses; the whole overseen by a staff of 24.

By the beginning of the 20th century, at the centre of the estate, a homestead had been developed, which reflected the fortunes of both the estate and the Pearson family in its extent, facilities and architectural pretension. Incorporating buildings designed by one of regional Victoria's notable domestic architects, J.HW. Pettit, and Melbourne's pre-eminent commercial and domestic architects, Harry B. Gibbs and Finlay Architects, the homestead consisted of: a significant mansion house, formal gardens, various domestic outbuildings, a purpose-built racing horse stable and various estate buildings, including men's quarters. The social status of the Pearson family, as formidable members of the Victorian horse racing industry, generous public benefactors within the Gippsland region and a political dynasty seen through successive generations serving as state parliamentarians, resulted in 'Kilmany Park' serving as a social centre for both the Sale district and the upper echelons of Victorian state society during the Victorian and Edwardian periods, including royalty, state governors, Melbourne gentry and notable residents of the Sale district.

At the beginning of the new century, the estate covered nearly 30,000 acres. Following the significant reduction of the estate, due to compulsory acquisition by the Closer Settlement Board from the early 1910s, and the eventual disposal of the homestead and its remnant land by the Pearson family in the 1920s to the Closer Settlement Board, its acquisition as a Presbyterian Church boys' home in 1923 (the Kilmany Park Farm Home for Boys) saw the construction of multiple buildings directly related with the operation of the home and the education, social welfare and training of the boys who lived there, including: a school house (c.1927), a Sloyd room, designed by renowned Public Works Department Percy Everett (c.1949); and a recreation centre (1962), presumably designed by notable Post-war era architect Keith Reid.

Opening in 1924 as the 'Kilmany Park Farm Home for Boys', the Home was designed as a place 'to transplant city boys who were at social risk, to the wholesome atmosphere of a Gippsland farming property'. The Home's farm, the 'McClelland Memorial Farm' was gifted to the institution in the memory of Thomas Hugh McClelland (1907-1924) by his parents Thomas and

Elizabeth McClelland' a plaque at the rear entrance to the homestead indicating the donation a Mr. and Mrs. T. McClelland were members, respectively, of the Committee and Melbourne Ladies' Auxiliary of the Home at this time. Overseen by a complicated management structure in both Melbourne and Sale, the management structure included: a Patron, Chairman, Hon. Secretary and Treasurer, Committee, Sale Advisory Committee, Melbourne Ladies' Auxiliary and a Sale Ladies' Auxiliary. The first superintendent of the Home was Mr. H. Clyne,

With constant pressure placed on the local school at Wurruk, to which the boys would travel for their schooling, the Victorian Education Department opened a school in 1927, the Kilmany Park School No. 4240, at the rear entrance to the homestead; the school consisting of two buildings, a school house and a Sloyd (woodwork) room. By 1944, average attendance at the school had increased to 40 boys and 3 girls.

In February 1944, significant grassfires in the East Kilmany – Rosedale area caused widespread damage, devastating the rural communities and causing significant livestock and infrastructure losses. 'Kilmany Park' was not spared with significant damage caused to the Home and school. At the school, outhouses and the Sloyd room, with all its equipment, were destroyed with the school house escaping relatively unscathed, albeit for requiring repainting externally as a result of the fire. In comparison, the Home and its centre at the Pearson family's former homestead, which had been largely retained intact by the Presbyterian Church, saw significant damage. The architect-designed racing stables of William Pearson were largely left in ruins, albeit for the flanking wings either side of the central yard, 1,200 bales of meadow contained within the building fueling the fire. The old woolshed of 'Kilmany Park', evident on 1923 maps of the

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property was also destroyed during the fires, the building 'filled with hay'. A series of timber outbuildings, dating from the Pearson era, which did survive the fires were subsequently demolished prior to 1949.

Following the fire, improvements to the school were slow. While replacement of the Sloyd room was considered urgent in 1944, a design for a replacement Sloyd room was not prepared by the Chief Architect of the Public Works Department, Percy Everett, until June 1949. Reconstruction of the room was undertaken by Reconstruction Trainees at the Sale Technical College, however by April 1949 the building had been left unfinished following the closure of the vocational training centre at the College. The subsequent result was a building that did not adhere with the final design prepared by the Public Works Department. The Sloyd room was eventually completed by February 1955. By mid-1956, the Kilmany Park School, albeit maintained by the Department of Education, had closed.

During the 1960s, and despite the closure of the Kilmany Park School and the disbursement of its fixtures to the Sale High School, the continued investment in the Home's infrastructure continued. Under Superintendent Eric Frith's tenure during this period, significant attention was paid to the Home's grounds. These works included the realignment of the main drive way, constructed by the Pearson's, to accommodate a large oval on the east front of the house; the driveway skirting along its south-east edge. In addition to these works, an avenue of native trees was planted along the length of the drive, the avenue named Leslie Drive in honour of the philanthropic Leslie family of Sale, the family having served the Home for three generations. The Home farm continued to operate with the institution providing a focus toward 'formal farm training'. Construction was undertaken of several houses on the fringe of the homestead complex for various manager's at the Home, including the 'William's House' in the mid-1960s, a red-brick house on the north-east edge of the homestead complex and the 'Spencer House' in the mid-1960s, an orange brick house (near the former Kilmany Park School) for share farmers on the property.

In 1962, further construction works came in the form of a significant bequest to the Home, the R.M. Ainslie Bequest, which enabled the construction of a brick Recreation Centre for the boys at the rear of the mansion. Somewhat reflecting the architectural language of the nearby Pearsonera racing stables, the Centre was, presumably, designed by Melbourne architect Keith Reid, the architect having undertaken previous alterations to the mansions kitchen, in 1948, as a result of a bequest to the Home by Miss Janet Stewart; the kitchen works were undertaken by Sale builder Mr W. Stephenson. Undertaking another project for the Presbyterian Church in the Sale area at this time (St Columba's Presbyterian Church, Sale; 1958), the architect had also undertaken multiple ecclesiastical projects, mostly for the Presbyterian Church, since 1931. The Centre was opened by Councillor John Leslie J.P., Mayor of Sale, on 25 August 1962; a brass dedication plaque at the south entrance to the Centre denotes this contribution. Further Investment was undertaken in the construction of a 'Manager's House' in the mid-1970s, a cream brick house in the gardens of the homestead.

Despite the value of the Home as a valued alternative to many metropolitan-based institutions during the mid-1960s, by the mid-1970s the Kilmany Park Farm Home for Boys was seen as an outdated care model. In 1977, changes within the Church management hierarchy hastened decisions with regard to the Home, the responsibility of boys' homes and community organisations within Victoria having been transferred from the Presbyterian Church of Victoria to the Uniting Church in Australia (Synod of Victoria and Tasmania).

The Kilmany Park Farm Home for Boys closed in 1978.

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Anne Napier notes in 2005 additional historic evidence regarding the school and the gardens.

"The school had an excellent Junior Young Farmer's Club which won many State prizes for cattle judging. The school gardens won the ANA prize for the most improved garden in 1929. The children showed particular skill in sloyd during the school, History. During the 1940s the boys made toys for children in other orphanages. The boys earned money fashioning garden tools making up to E90 per year. Of the boys at this school one became a bank manager in England (who has a standing invitation to any boy interested in banking for free passage to England and his support when he arrives) and Head of a Victorian country High School Herbert Williams won a Sun Farmer trip to England in 1937" "Vision and Redisition Volume 3 – A Centenary of History of State Education in Victoria" (1973) by the Education Department, quoted in Napier 2005.

The garden surrounding the homestead is also of interest. It was inspected by John Hawker (horticulturalist with Heritage Victoria) in 1997 and it contains many fine specimens including a Bunya Bunya Pine, Hoop Pine, Lilly Pilly, Flame Tree, Hazelmut, Blue Atlas Cedar, Himalayan Cedar, Monterey Cypress, Bhutan Cypress, English Oak, Sugar Gum, Japanese Spindle-wood, Loquat, Liquidambar, Norfolk Island Hibiscus, Pear, Chinese Hawthorn, Tortured Willow, Weeping Elm and Purple Elm. Most notable of the trees is a large English Oak to the west of the homestead planted by King George V when visiting the property as the Duke of York on 15th May 1901.

Following the Uniting Church's decision to close the Home, the property was maintained as a dairy, the land being let to various tenant farmers during this period until the mid-1990s.

In 1995, 'Kilmany Park' was placed on sale by the Uniting Church and purchased by surgeon Mr. Daryl Page on December 18th 1995.

John Henry Wroth Pettit. Architect and Surveyor.

John Henry W. Pettit was a prominent architect based in Sale during the late nineteenth century (Gippsland Times, 23 April 1870:2). Pettit arrived in Gippsland in 1854, after a stay in the goldfields and in Melbourne and Dandenong. Moving to Sale, he worked as an architect and surveyor, appointed as the superintendent of works for government roads and bridges (AAI, record no. 3683; Kerr 1992:622). One of Pettit's earliest commissions was the Carpenter Gothic Christ Church at Tarraville (1856), designed with surveyor George Hastings.

He designed a small number of houses and hotels in the 1880s and 90s in Sale (AAI) and planned the design of the Sale cemetery. He was also involved with the Swing Bridge at Longford (AAI, record no. 42575). Petiti is known to have designed (sometimes in collaboration with other local architects) the former Borough of Sale Municipal Offices at Sale (1863-6) in the Classical style, St Mary's Catholic Church in Malfra (1870), St Brigid's Catholic Church in Cowwarr (1870), the Catholics Bishop's Residence and Presbytery in Sale (1879) and the civic complex at Stratford comprising the court house, council chambers and post office (1884-5), Petiti died in Sale in 1896 (AAI, record no. 3685).

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Gibbs & Finlay, architects Mansion house

Harry Browse Gibbs (d. 1918) was a Melbourne architect who designed buildings in both the greater Melbourne area and regional Victoria from the late nineteenth century. (RVIA 1918:44). Some key examples of Gibbs' designs include the Bairnsdale Club Hotel (1879), Bairnsdale Mechanics' Institute (1888) and the Former Bairnsdale Hospital (1885) (HV). In greater Melbourne he designed the George Hotel on Fitzroy St, St Kilda (1885-6) (HV).

Gibbs partnered with Alexander Kennedy Finlay (d. 1922) to form Gibbs & Finlay from c1900 (RVIA 1922:155; AAI). Their work included houses, warehouses and factories as well as varying types such as shops, hotels, theatres, and hospitals (AAI). Around 1905, they designed several branches for the National Bank in the Classical style (Trethowan 1976). In Wellington Shire, the practice is known to have designed Bishopscourt at 4 Cranswick Crescent, Sale, (1901) which was the residence for the Bishop of Sale, and the former Shire Offices on Cansick Street, Rosedale (1913).

Following the deaths of Gibbs and Finlay, the practice name was retained and the firm became Gibbs, Finlay & Morsby (RVIA 1929: xliv) in the 1920s (AAI).

William Allen, Rosedale Builder

William Allen (1829-1923) came to Rosedale in 1858 and worked as a builder in the area until his death at the age of 94. He is known to have sometimes worked alongside bricklayer Charles Chown. One of his first projects in the town was the first stage of the Rosedale Hotel (1858) which was Rosedale's first brick building. He also constructed St Marks Church of England (1866), the Exchange Hotel, Henry Luke's Store, the Rosedale Tannery, St Andrew's Uniting (formerly Presbyterian) Church (1869) with Chown and Wynd, the Primary School (1871), St Rose of Lima Church (1874-5), and the impressive Nambrok homestead (probably c1877). He was in his eighties when he constructed the 1913 Shire Hall in Rosedale. (HV; RDHS website).



Figure H1. Aerial view c1947 after the 1944 fires, showing the walls of the stables with the roof missing off the rear section of the stables, but the front sections intact. Source. http://www.clan.org.au/perch/resources/kilmanypage-27.5-w640.jpg

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Figure H2. The exterior of the mansion and elliptical carriage drive 1906. Note the concrete edging of the elliptical garden bed, and the established tree on the right. Source: The Leader, 7th July 1906, p.33.



Figure H3. C1947 photo showing the rear elevations of the mansion, (overpainted) including the significant number decorated chimneys, the conical roof over the underground tank, the Meat House to the right. Source. http://www.clan.org.au/homes/vic?s=kilmany-park-house-presbyterian-home-for-boys.

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Description

This section describes the place after 2005. Refer to the Place History for additional important details describing historical changes in the physical fabric.

The complex is located at 1613 Settlement Road, 148A, 148B, 148C, 148D, 148E and 148F Reid Drive Wurrak, which is about 5kms south west of Sale.



Figure D1 Aerial showing the approximate location of the 12 significant places (red numbers), the outline of the Heritage Overlay boundary (black lines) and the area of the Heritage Overlay (blue polygon).

Source of aerial. Wellington Shire

1 Meat House and interior (c 1847-70),

2 Mens Quarters (c1860/alterations c1880-81);

3 Underground Water Tanks (c1870-81) 3.

4 Stables (1880-81),

5 English Oak (1901) and copper plaque, (Quercus robur) HO151,

6 Gardens and trees and elliptical carriage drive c1870-1906

7 Driveway (1903) (later known as Leslie Drive) and English Oak trees at Settlement Road entry and mansion end.

8 Mansion house and interior (1905-06),

9 McClelland Memorial Gate Pillars and plaque at Reid Drive entry (1924),

10 Kilmany Park School No. 4240. (1927),

11 Kilmany Park School Sloyd Room (1949),

12 Recreation building Ainslie Bequest 1962 and dedication plaque,

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1 Meat House and interior (c 1847-70),

A timber framed rectangular building with a hipped roof clad in short sheet galvanised corrugated iron and a painted brick chimney. The Meat house is described by David Helms (2009) "It has small covered windows, and chicken wire under the eaves providing further ventilation. Internally, the walls and ceiling are lined with narrow tongue and groove pine boards, and the original frame and hooks for hanging animal carcasses is still intact. "



Figure D2. View of the 1901 English oak tree, HO151, on the left, the Meat House in the centre with the ladder on the roof, and the school house and Sloyd room beyond the Meat House between the ladder and the chimney, taken from the west side of the first floor balcony. (2011).

2 Mens Quarters (c1860/alterations c1880-81)

The Mens' Quarters is described by David Helms (2009) "constructed of brick with three stretcher courses alternating with one soldier course. The cottage comprises one long traverse gable oriented east-west, with three subsidiary gables extending at right angles to the north. There are skillion verandahs to both the north and south elevations verandah structures, which appear to be early, if not original, are supported by chamfered timber posts and have brick floors. There are external chimneys in either end wall. The front door and hallway is placed off-centre. Windows are six-pane double hung sash. The three gable ends have ocular vents." Napier and Trethowan both note that the design of the wall vents is the same as those on the stables, indicating that they were probably built at the same time or at least designed by the same architect J H W Pettit.



Figures D3&4 Source: Mens Quarters Trethowan, 2016. p38

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3 Underground Water Tanks - three (c1870-81).

The underground water tanks are round, and most likely built in brick, which was typical at that time. The only one to have retained the original conical shaped iron roofed cover is next to the stables, whilst the water tank near the rear of the mansion and the one near the Mens Quarters now have a flat concrete cover. The interiors have not been inspected (see Fig D5 below).

4 Stables (1880-81),

The stables, were severely damaged in the 1944 grassfires and were never fully restored but the remaining 1880s sections (mostly the front gabled buildings) have a high degree of integrity. Helms describes the former stables in 2005, "which appear to originally have been symmetrical in layout with a large central barn flanked by two wings containing accommodation for the stable hands. The flanking wings have double hung sash windows with an occulus vent above. The area to the south of the barn and between the flanking wings has now been enclosed, and a large new steel framed roof built over the barn. Internally, the barn retains its original brick floor - the stable bays have been removed but evidence of the divisions still exists in the walls and floors. An unusual feature at one side is a concrete 'trough', which reputedly was used for the servicing of carriages or vehicles. "Trethowan explains that the concrete trough was more probably utilised as a horse bath given its depth, raised edges and the building's continued utilisation as a thoroughbred horse stable by William Pearson (Junior).



Figure D5. Source: (Detail from Trethowan, (2016:18); the Leader, 7th July 1906, p. 33.

5 English Oak (1901) and copper plaque, (Quercus robur) HO151

This 1901 English Oak (*Quercus robur*), is an outstanding mature specimen in Victoria. Post 2001, the measurements were; spread: 24.40m; girth: 2.72m; height: 11.75m. (National Trust Significant Tree Register).

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Figure D6. View of the 1901 English oak tree, HO151, taken from the west side of the first floor balcony. (2011).

6 Gardens and trees and elliptical unsealed carriage drive c1870-1906

Trethowan (2016) notes: the current formal arrangement of the garden was established with the creation of the elliptical front lawn at the centre of the driveway. Surrounded by a roughcast render retaining wall, a small inset stair, framed with Arts and Crafts inspired cement spheres, align with the centre of the entrance front of the mansion. Cement curbing to the remainder of the garden paths replaced an earlier angled brick edging, apparent in c.1906.

Sloping away from the house, the gardens, on the south front of the house in particular, have been designed to frame and therefore incorporate views of the surrounding landscape. This has largely been achieved through the placement of the elliptical front lawn framed by symmetrical plantings of Cedars (a Blue Atlas and a Himalayan Cedar) which would have originally drawn the eye of the viewer to the wider landscape and the former land holdings of the Pearson family; it is noted that this view is now partially obscured by low-lying branches of these trees. Elsewhere, the garden incorporates multiple plantings of exotic tree specimens, including: English Oak, Bunya Bunya Pine, Hoop Pine, Hazehnut, Monterey Cypress, Bluatan Cypress, Japanese Spindle-wood and Norfolk Island Hibiscus amongst others."



Figure D7 Trethowan (2106:46) View of the entrance front of the mansion, looking west. Note the formal arrangement of the original gardens with relation to the elliptical drive and entrance front of the mansion.

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7 Driveway (1903) (later known as Leslie Drive) and English Oak trees at Settlement Road entry and the two English Oak trees at the Mansion end of the driveway.

The driveway extends from the entry gates at Settlement Road to the mansion house. There are two English Oak trees at the Settlement Road entry gate and two at the mansion end of the driveway. The 1903 driveway extends more or less in a straight line to the mansion house, (the 1960s diversion around the 1960s oval is not significant as it is not part of the 1903 William Pearson landscaping and mansion house development. The driveway is unsealed. Traditionally driveways from public roads to private mansion houses were lined with exotic trees. The two English Oaks at the entry and two at the mansion end, are likely to be remnants of an oak lined driveway.



Figures D 8 & 9 Trethowan (2106:46) English oaks framing the Settlement Road entry (left) and English oaks framing the mansion end of the driveway.

8 Mansion house and interior (1905-06)

Heritage Assessment 'Kilmany Park' 1613 Settlement Road, Warruk Trethowan 2016 notes.

"The mansion at 'Kilmany Park' was commissioned by William Pearson (Junior) and constructed in c.1905-06 to a design by pre-eminent Melbourne architects Harry B. Gibbs & Finlay Architects. The mansion involved the remodelling and extension of an earlier house, commissioned by William Pearson (Senior) and constructed in c.1870-71 to a design by Sale architect J.H.W. Pettit. In 1948, during the mansion's tenure as the Kilmany Park Farm Home for Boys, minor alterations were undertaken to the mansion's kitchen to a design by Melbourne architect Keith Reid.

Retaining sections of the earlier 1870-71 house on the property, constructed from overpainted tuck-pointed brick, the majority of the mansion consists of that built in c.1905-06. Constructed from rendered brickwork with applied cement decoration, the mansion is a significant twostorey building with decorative chimneys and a galvanised corrugated metal sheet clad roof. Executed in a conservative interpretation of Classical style architecture, the principal elevations of the mansion consists of the south (entrance front) and east (garden front) elevations. The west elevation consists of a secondary garden front whereas the rear elevation (north) addresses a rear yard framed on the opposite side by the stables. The south elevation is defined by a central bay that is adorned with a series of decorative cement pediments at ground and first floor levels, the ground floor pediment surmounting a four-bay arrangement of decorative stained and leadlight windows; the first-floor pediment topping what appears an arcaded balcony, the whole

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arrangement in-turn surmounted by a monumental stepped parapet. From this central bay, an arcaded loggia at ground floor level and an upper level arcade, with segmental arches supported on cast iron columns, extend along the extent of the south elevation, continuing along the east and west elevations. On the garden front, attention is drawn to a large stained and leadlight glass bay window that is centred on the elevation at ground floor level."

"Internally, the mansion presents as a unified interior containing multiple notable features, indicative of the Art Nouveau influence on its interior decoration. At ground floor level, the entrance vestibule opens into a double height stair hall, the two areas separated by decorative plasterwork columns with bas relief details to dado height. The columns support an entablature of equally detailed bas relief features, the decoration of which incorporates a comice that extends the perimeter of both rooms. At the centre of the hall, an elaborate timber staircase with timber panelling extends through the middle of the house and is overlooked by a gallery at first floor level. At right, the stair hall opens into the drawing room through an elaborate door case and doors, the drawing room retaining significant features including a fretwork screen with decorative wrought iron lanterns that frame a leadlight bay window. At left of the stair hall, the current billiard room is entered through an equally elaborate door case and doors, the room containing early features including joinery and decorative ceilings. At the rear of the stair hall, a corridor provides access to the dining room and the remainder of rooms on the ground floor which retain significant features, including a fretwork screen and bay window with leadlight glass in the dining room; and joinery, marble and timber mantle pieces and decorative ceilings to the remainder of the rooms. At first floor level, the rooms incorporate bedrooms and retain early features including joinery, marble and timber mantle pieces, leadlight glass and decorative ceilings. There have been few significant alterations to the interior since its completion c.1906, however no original bathrooms, kitchens or service areas survive intact.



Figure D10. Looking east under the segmental arch, towards the front gates on Settlement Road, showing the unpainted 'ashlar' rendered walls, timber floor of the grand first floor balcony, balustrade and columns. (2011)

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Figure D11. Looking south under the segmental arch, towards Settlement Road, showing the timber floor of the grand first floor balcony, unpainted rendered balustrade and Corinthian composite columns. (2011)



Figure D12. Example of Art Nouveau Lead lighting in a first floor bedroom. (2011)



Figure D13. First floor timber balustrade, columns and screen above the stair hall. (2011)



Figure D14. View of fine timber work of the stairs, walls, balustrade, and banister. (2011)

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Figure D15. View of the timber staircase with newel post. (2011)



Figure D16. View of the Art Nouveau timber screen in the dining room. (2011)



Figure D17. Art Nouveau timber screen and joinery and plaster work, in the sitting room. (2011)



Figure D18. One example of many of the Art Nouveau lead light windows on the ground floor. (2011)

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9 McClelland Memorial Gate Pillars and plaque at Reid Dr entry (1924),

Two brick piers finished in rough cast render with decorative concrete capping and a brass plaque.



Figures D19 & 20. Source: Trethowan, 2016. p47 Reid Entry Gates and plaque.

10, 11 Kilmany Park School No. 4240. (1927) and Kilmany Park School Sloyd Room (1949),

The timber buildings have gabled and hip roofs clad with short sheet corrugated iron with exposed rafters on the eaves. The Sloyd Room has a ventilated roof. Windows are timberframed with three four-pane sashes and horizontal glazing bars. The double doors are solid timber planked. The school has two red brick chimneys.

Helms (2005) also described the interior of the two school buildings. The adjacent Sloyd Room is a simple rectangular essentially symmetrical in plan with four tall windows in the south elevations and three windows and a door in place of the fourth in the north elevation. The building retains a number of features that demonstrate its original function including the large bench along the south wall, the built in cupboards (once used for storing tools) and what appear to be large shelving units along the east end wall. Otherwise the interior is typical of schools of this period with vertical lining boards to the lower part of the wall and plasterboard above. A blackboard is set into the west end wall. The ceiling has been replaced.



Figures D21 & 22 Source: Trethowar, 2016. p48 School and Sloyd Room.

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12 Recreation building Ainslie Bequest 1962

Constructed of brick walls, with corrugated metal dad gable and skillion roots, derestory windows and high windows at ground floor level.

According to Trethowan (2106) "Attributed to architect Keith Reid, the design intent of the building, which includes blind walls with engaged pilasters, are reminiscent of the execution of the adjacent racing stables and an attempt to respond to the existing built context of the homestead complex; thereby suggesting the role of an architect. While attributed to Keith Reid, the building is not considered a work that is comparable with the successful designs achieved in many of his regional ecclesiastical buildings for the Presbyterian Church, predominantly churches, throughout Victoria."



Figure D23. The 1962 Recreation centre. Source. http://www.clan.org.au/perch/resources/kilmanypage-27.5-w640.jpg

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Comparative analysis

Four other significant pastoral homesteads in Wellington Shire include The Holey Plain homestead, Fulham Park homestead, Nambrok Homestead and Boisdale House.

Historically, all of these properties date back to the earliest pastoral settlement in the area, and they retain some building structures from the early period, as does Kilmany Park. However, Fulham Park, which was built by 1856 in the mid Victorian era, is the earliest of these existing homesteads. Nambrok and Holey Plain homesteads date from the late Victorian era c 1880 and Boisdale House dates from 1892. Thus Kilmany Park homestead built in 1906 is over 100 years old, but still it is the youngest of the five pastoral properties in Wellington Shire.

Architecturally, all five homesteads have their own distinctive design. Fulham Park, a two storey red brick homestead is in the Colonial Georgian style, which is rarely found in Victoria, Holey Plain homestead is also a two storey red brick homestead, but in the very popular Victorian Italianate style with a 4 storey tower, canted bay windows and cast iron decoration. Nambrok homestead is a single storey house in an edectic derivation of the Dutch and North Italian Renaissance fused with the Lombardic Romanesque, with canted bay windows and strident polychromy, is the most edectic, picturesque brick mansion in rural Victoria. The complex is adorned with skillfully designed details in a manner unparalleled in Victoria. Boisdale House is a single storey brick and timber residence with a steep broken pitch roof clad with Marseille tiles and capped with a monitor skylight. The V plan form and exterior form reflect American influences in the design. Kilmany Park, a two storey rendered brick building, in a conservative classical style, which has a central bay with a series of decorative cement pediments at ground and first floor levels, the ground floor pediment surmounting a four-bay arrangement of decorative stained and leadlight windows; the first- floor pediment surmounting an arcaded balcony, and a monumental stepped parapet above. From this central bay, an arcaded loggia at ground floor level and an upper level arcade, with segmental arches supported on cast iron. columns, extend along the extent of the south elevation, continuing along the east and west elevations. Comparatively, Fulham Park, Holey Plain, Nambrok and Kilmany Park are distinctive and highly accomplished variations of Victorian era architectural style, whereas, Boisdale House has departed strongly from this and embraced the Federation era style including influences from contemporary American design.

The Holey Plain homestead, Rosedale - Longford Road, Rosedale



Figure CI - Holey Plain Homestead (Source: National Trust http://vhd.heritagecouncil.vic.gov.au/places/69997)

"The Holey Plain homestead, is significant as an unusually fine and large red brick house designed in the Victorian Italianate style, more typical of Victoria's Western District homesteads than the Gippsland region. The property has strong associations with the Crooke family who have lived there for more than one hundred and fifty years. Members of the family have been

influential in State and Local politics. The property is a key site which demonstrates the process of early pastoral settlement of Gappsland along a set pattern, being specifically chosen by the Crooke family for its proximity to Port Albert after they had developed other pastoral runs inland around Omeo." It was classified by the National Trust in 1959, updated 2007.

Source. National Trust http://vhd.heritagecouncil.vic.gov.au/places/69997

Fulham Park, 413 Myrtlebank-Fulham Road Fulham.



Figure C2 Fulham Park (Source: http://vhd.heritagecouncil.vic.gov.au/places/510)Fig

What is significant?

The pastoral run Fulham on Thomson river west of Sale was first taken up in 1841 by Peter Imlay of Twofold Bay (Eden) NSW. In October 1853 retired sea captain John William Jones acquired the run and soon after, certainly before 1856, erected a Colonial Georgian style, two storey homestead of brick. On the basis of stylistic and detail similarities the design has been tentatively attributed to Melbourne architect John Gill.

The house is regularly fenestrated, with a single storey timber verandah and its single storey outbuildings form a sheltered courtyard with a beehive well. The verandah has been later adorned with network brackets of art nouveau origin. The homestead is sited on a rise above a bend in a creek and looks toward the Thompson River. Some elms and eucalypts are the only remnants of formal plantings on the slope down to the creek. In 1991 the ruined stables were rebuilt although the attached groom's quarters were demolished. The property has passed through many ownerships, none of them very long and was used by the Royal Australian Air Force during the Second World War. Fulham Park was purchased by Norman Gooch in 1944 and remained in the Gooch family ownership until 1998 when it was subdivided.

How is it significant?

Fulham Park Homestead is of architectural and historical significance to the State of Victoria.

Why is it significant?

Fulham Park Homestead is of architectural importance as an early example of the Colonial Georgian style, a form rarely found in Victoria. The quality of the design is enhanced with distinctive and restrained joinery, with the entrance doorway and fenestration of particular note. The architectural significance of the house would be further enhanced if the connection with important Victorian architect John Gill can be established.

Fulham Park Homestead is of historical significance as the residence of one of the oldest pastoral properties in eastern Victoria. The house is important as the earliest substantial homestead building in East Gippsland and for its relatively intactness."

Fulham Park is protected on the Victorian Heritage Register HO331.

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Nambrok Homestead, 3045 Princes Highway, Nambrok.



Figure C3 Nambrok Homestead (Source: http://vhd.heritagecouncil.vic.gov.au/places/70014)

"The florid polychromatic mansion is held to have been completed by 1877 (date remains unconfirmed) for pastoralist John King, the builder being William Allen of Rosedale. Planned by an unknown architect in an H formation, this single storey mansion house is an edectic derivation of the Dutch and North Italian Renaissance fused with the Lombardic Romanesque. 'Nambrook' with prominent Dutch gables, squat central romanesque tower, segmental arched arcade, canted bay windows and strident polychromy, is the most eclectic, picturesque brick mansion in rural Victoria. The complex is adorned with skillfully designed details in a manner unparalleled in Victoria. John King, grandson of P G King, third Governor of New South Wales, was a pre-eminent district pastoralist and Gippsland pioneer. The interior is of equal note. 'Nambrook' is maintained in excellent condition and is intact. Classified: 25/06/1969 –updated 2006"

Boisdale Homestead



Figure C4 Boisdale Homestead (Source: http://vhd.heritagecouncil.vic.gov.au/places/70002)

"Boisdale Homestead was erected in 1892 for Askin Morrison Foster, son of pioneer pastoralist John Foster, who leased the run in 1841. R G W Purchas, a Melbourne architect, designed the present single storey brick and timber residence with a steep broken pitch roof clad with Marseille tiles and capped with a monitor skylight. The V plan form and exterior form reflect American influences in the design.

Boisdale Homestead is a distinctive East Gippsland residence and a notable work of R G W Purchas, an innovative architect working in the late 19th century. The style of Boisdale is clearly derived from contemporary American developments and contrasts with Purchas's revivalist work, of which his own house, Tay Creggan, in Hawthorn, is the most important.

Boisdale is an early settled pastoral run and the present residence is dramatically situated on a grarite outcrop overlooking the Avon River. The interior is finely crafted. Boisdale homestead and outbuildings are maintained intact and in excellent condition. Classified; 08/06/1967, updated 2006. "

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Management Guidelines

To facilitate the retention and enhancement of the cultural significance of the heritage place, its fabric and its setting, the following Management Guidelines are recommended. (Note that further information in relation to the management and redevelopment of this heritage place is available from the Shire's Heritage Advisor).

The Kilmany Park Estate refers to the whole area within the Heritage Overlay boundary shown in Figure M1 below. The Management Guidelines also refer to this area and they are divided into three sections:

Section One: The 1903 driveway (being the access road leading from Settlement Road to the gateway of the "Kilmany Park Mansion Complex".

Section Two: The setting of the Kilmany Park Mansion Complex (including view lines, interfaces and the further development of the Estate).

Section Three: The heritage buildings, structures and landscapes



Figure M1: Map showing the extent of the Heritage Overlay (black outline), view lines and part of the Concept Plan, which is included in Development Plan Overlay Schedule 9.

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- SECTION ONE The 1903 driveway (being the access road leading from Settlement Road to the gateway of the "Kilmany Park Mansion Complex" and also serving the new neighbourhood).
 - 1.1. The long 'drive of anticipation' is an important part of the experience of arriving at a large country mansion. This was achieved by planting a long avenue of trees, which visually retained the grand entry. The redevelopment of the 1903 driveway to provide a new access road should seek to retain this experience and overall sense of arrival. This can be achieved by:
 - 1.1.1. Creating an avenue of trees placed as close to the road as possible in order for a canopy to form over it. The trees will form an avenue which extends from the existing two English Oaks at the Settlement Road to the new entry of the "Kilmany Park Mansion Complex". The preferred tree species should be related to the history of the Pearson era: potential species are listed on page 5 of this citation. Most appropriate species selection will be based on soil type, maintenance, heritage significance, potential size and canopy form.
 - 1.1.2. Accommodating a road reserve wide enough for large trees. The sealed part of the road should remain to an absolute minimum. The road must be constructed in accordance with the requirements of the Infrastructure Design Manual.
 - 1.1.3. Keeping the number of access streets off the driveway to a minimum so that the avenue is not interrupted by 'missing trees'. A maximum of two new access streets, as shown in Figure 4 would be preferred.
 - 1.1.4. Ensuring that all power and services are to be provided underground and located so that trees (roots and branches) will not be damaged during maintenance of the services.
 - 1.2. To retain the original rural feeling and setting of the Estate the access road should remain 'green' and 'rural' in its character. This can be achieved by the following.
 - 1.2.1. The road reserve should be a minimum of 30 metres in width, with a minimum amount of scaled surface. Apart from the access road itself, a shared path should be provided.
 - 1.2.2. Where achievable, roads, paths and crossovers (to houses) constructed need to resemble the appearance of an unscaled driveway with appropriate colours and texture use. Upstanding kerbs and channels should not be used.
 - 1.2.3. All drainage works should be designed to have a rural appearance which can be achieved with appropriate colour, profile, and texture.
 - 1.2.4. New development along the driveway should have an appropriate setback, which retain the green character of the driveway.
 - 1.2.5. The use of fences on lot boundaries facing the driveway is strongly discouraged, vegetation is considered the most appropriate form of boundary treatment. If fences are used, they should either be of a post and wire or timber picket fencing and at least 50% transparency. A front fence should not exceed 1.2 metres.
 - 1.3. Entrance to the main driveway/ access road from Settlement Road.
 - 1.3.1. Retain an entry gateway at the Settlement Road access at the existing location including the two existing oak trees. A shared path can be constructed between the oak trees.
 - 1.3.2. Ensure the engineering design of the road intersection and its construction allows for the protection and safety of the existing trees.

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1.4. Signs and other infrastructure

1.4.1. Ensure signs and services such as power poles, bus shelters, etc are located so that they do not impact on the important views.

2. SECTION TWO - The setting of the Kilmany Park Mansion Complex

- Retain the important view lines to and from the Mansion House as shown by the red arrows and red polygons in Figure 4.
 - 2.1.1. Retain the following clear views within the heritage area:
 - 2.1.1.1. Clear views of each significant building to and from the Mansion House and from the internal roads by ensuring that any new buildings, fences and vegetation do not obscure those views.
 - 2.1.1.2. Clear views of the School Room to and from the Sloyd Room.
 - 2.1.1.3. Clear views of the front section and side elevations of each significant building from along adjacent private or public streets.
 - 2.1.2. Retain and protect the following views that go beyond the heritage area:
 - 2.1.2.1. A view corridor of the Mansion House from Settlement Road within the red polygon in Figure 4.
 - 2.1.2.2. Views from the Mansion House towards the south within the red polygon in Figure 4.
 - 2.1.3. Any application for proposed buildings or trees within these areas should be accompanied by accurate levels and drawings to demonstrate that it will not obscure the views to and from the Mansion House to Settlement Road and the other view lines specified in Figure 4.
- 2.2. Boundary treatment and entrance to the Kilmany Park Mansion Complex
 - 2.2.1. To reinforce and ensure that the Estate is recognised as a single entity, the treatment along the entire length of its boundary should take the following principles into account:
 - 2.2.1.1. Dense and tall evergreen trees with foliage to ground level (e.g. Montercy Pine trees) should be used to form a screen on the boundary with the new housing development or where privacy is required. A bare fence is strongly discouraged.
 - 2.2.1.2. Protect external views within the view corridor to Settlement Road (as noted on Figure 4) by introducing or remain an open boundary treatment which will not obscure or restrict the view.
 - 2.2.2. If new entry gates are constructed at the point of entry from the public access road/driveway to the Kilmany Park Mansion Complex its design should be in keeping with the 1906 design of the Mansion House with a discreet plaque stating their date of construction. Examples of appropriate fences can be found in figures D5 and D23.
- 2.3. Future development within the Kilmany Park Mansion Complex

To ensure existing heritage buildings remain as the prominent buildings on the estate and further development does not crode the rural setting of the Kilmany Park Mansion Estate.

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- 2.3.1. New buildings, works (including outbuildings such as sheds), structures or additions to existing buildings should not erode the rural setting or obstruct the view to heritage buildings or other view line. Heritage buildings should remain as the prominent buildings on the Estate.
- 2.3.2. Further subdivision is discouraged as it will further fragment the Kilmany Park Mansion Complex as a single entity and crode the rural setting.
- 2.3.3. The viability of the Mansion House to provide income for regular maintenance must not be compromised by future subdivision or development within the Heritage Overlay polygon.

2.4. Fencing and boundary treatments within the Kilmany Park Mansion Complex

To ensure Kilmany Park Mansion Complex remains a recognisable, physically related group of heritage buildings, careful consideration should be given to fences or other boundary treatments between the existing lots within the heritage area.

- 2.4.1. Fences should be no higher than 1.2 metres, unless documentary evidence is provided to show an historically appropriate alternative.
- 2.4.2. Fences required for privacy should be timber paling fences no higher than 1.8 metres. The location of these fences should not obscure view lines.
- 2.4.3. Fence design should incorporate timber pickets or railings, (as shown in D5 and D23) for the Pearson era and timber railings and posts with cyclone wire infill for the Boys Home era (as shown in Figure H3).
- 2.4.4. The use of vegetation is considered an appropriate alternative form of boundary treatment as long as any view lines are not obscured.
- 2.5. Paving within the Kilmany Park Mansion Complex.

For Victorian, Federation and Interwar era historic buildings, appropriate paving could be pressed granitic sand or asphalt. If concrete is selected, a surface with sand coloured, size exposed aggregate would be required.

2.5.1. Ensure the asphalt or concrete does not adhere to the buildings. Insert 10mm x 10mm grey polyurethane seal over a zipped Ableflex joint filler between the structure and the concrete to ensure concrete does not adhere to it and to allow expansion and joint movement and prevent water from seeping below the building.

2.6. Signs and other infrastructure

- 2.6.1. Ensure signs and services such as power poles, signs, etc are located so that they do not impact on important views.
- 2.6.2. Any new interpretation storyboards should be placed to the side of the buildings not directly in front of them.

3. SECTION THREE - The Heritage Buildings, structures and landscapes

The guidelines below provide best-practice approaches when redeveloping, restoring and/or maintaining the heritage buildings. Specific guidelines for the Mansion House itself have

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whether have the presented by small sector and

not been prepared. Internal alteration controls apply to the Mansion House and Meat House, it is therefore strongly advised to submit a conservation management and maintenance plan as part of any planning permit application for external or internal works or maintenance.

3.1. Additions and changes to buildings, structures and landscape

Extensions that are sympathetic to the heritage values of the existing buildings are preferred e.g. new structures that are in the same view lines as the historic buildings and as seen from internal roads, and public vantage points should be parallel and perpendicular to the existing building, no higher than the existing building, of similar proportions, height, wall colours, steep gable or hip roofs, with rectangular timber framed windows with a vertical axis.

- 3.1.1. Where possible changes that are easily reversible should be considered e.g. the current needs might mean that a doorway in a brick wall is not used, or located where an extension is desired. Rather than bricking up the doorway, frame it up with timber and sheet it over with plaster, weatherboards, etc.
- 3.1.2. To avoid damage to the brick and rendered masonry walls, signs and fixtures should be attached in such a way that they do not damage the brickwork. Preferably fix them into the mortar rather than the bricks.
- 3.1.3. If an extension is to have a concrete slab floor, ensure it will not reduce the air flow under the historic buildings.
- 3.1.4. Avoid hard paths against the walls of solid masonry walls. Install them 500mm away from the walls and 250mm lower than the ground level inside the building. Fill the gap between the path and wall with very coarse gravel to allow moisture to evaporate from the base of the wall.

3.2. New garden beds

3.2.1. New garden beds should be a minimum of 500mm from the walls, preferably further, and the ground lowered so that the finished ground level of the garden bed is a minimum of 250mm lower than the ground level which is under the floor, inside the building. Slope the soil and garden bed away from the building, and fill the area between the garden bed and walls, with very coarse gravel up to the finished level of the garden bed. The coarse gravel will have air gaps between the stones which serves the function of allowing moisture at the base of the wall to evaporate and it visually alerts gardeners and maintenance staff that the graveled space has a purpose. The reason that garden beds are detrimental to the building, is by a combination of: watering around the base of the wall and the ground level naturally builds up. The ground level rises, due to mulching and leaf litter and root swelling, above a safe level such that it blocks sub floor ventilation, and the wall is difficult to visually monitor on a day to day basis, due to foliage in the way.

3.3. Accessibility

3.3.1. Ramps; removable ramp construction

3.3.1.1. A metal framed ramp which allows air to flow under it, to ensure the subfloor vents of the building are not obstructing good airflow under the floor, which will allow the wall structure to evaporate moisture, reduce termite and rot attack to the subfloor structure and reduce

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rising damp in brick/stone walls.

- 3.3.1.2. Ramps constructed from concrete next to brick walls may cause damp problems in the future and are therefore discouraged
- 3.3.1.3. Ensure water drains away from the subfloor vents, and walls and any gap between the wall and the ramp remains clear of debris. Insert additional sub floor vents if the ramp has blocked any of them.
- 3.3.1.4. The band rails on the ramp should not be a feature which would detract from the architecture. Plain thin railings painted in the same colour as the walls to blend in, would be appropriate.
- 3.3.2. Metal banisters may be installed at steps. They are functional and minimalist and they have a minor visual impact on the architecture and are therefore a more suitable design for an accessible addition.

3.4. Reconstruction and Restoration

If an opportunity arises, consider restoring and reconstructing the following:

- 3.4.1. Roofing, spouting and down pipes appropriate to the original era of each building. 3.4.1.1. Use galvanised corrugated iron roofing, spouting, down pipes and rain heads on all the historic buildings.
 - 3.4.1.2. Don't use Zincalume or Colorbond.
 - Use Ogee profile spouting, and round diameter down pipes for Victorian and Federation era buildings.

3.4.2. Brick and Stone Walls

- 3.4.2.1. Mortar: Match the lime mortar, do not use cement mortar. Traditional mortar mixes were commonly 1:3 (lime:sand) for Victorian and Federation era buildings.
- 3.4.3. Paint and Colours (also see Paint Colours and Paint Removal)
 - 3.4.3.1. It is recommended to paint the exterior of the timber buildings using original colours (paint scrapes may reveal the colours) to enhance the historic architecture and character.
 - 3.4.3.2. Paint removal: It is strongly recommended that the paint be removed chemically from any painted brick or rendered surfaces that were originally unpainted. Never sand, water or soda blast the building as this will permanently damage the bricks, mortar and render. Never seal the bricks or render as that will create perpetual damp problems. Removal of the paint will not only restore the elegance of the architecture, but it will remove the ongoing costs of repainting it every 10 or so years.
- 3.4.4. Remove any dark grey patches to the mortar joints this is cement mortar which will damage the bricks, as noted above, and reduce the longevity of the walls. Repoint those joints with lime mortar. The mortar is not the problem it is the messenger, altering you to a damp problem (also see Water Damage and Damp).
- 3.4.5. Modern products: Modern products should not be used on the Victorian and Federation era stone or brick work as they will cause expensive damage. Use lime

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mortar to match existing.

- 3.4.6. Do not seal the brick or render with modern scalants or with paint. Solid masonry buildings must be able to evaporate water when water enters from leaking roofs, pipes, pooling of water, storms, etc. The biggest risk to solid masonry buildings is permanent damage by the use of cleaning materials, painting, and scaling agents and methods. None of the modern products that claim to 'breathe' do this adequately for historic solid masonry buildings.
- 3.4.7. Do not paint or coat with sealant, any unpainted brick or rendered surfaces.
- 3.5. Care and Maintenance
 - 3.5.1. As a general approach, retaining and restoring the original heritage fabric is always a preferable heritage outcome to its replacement with new.
 - 3.5.2. Key References
 - 3.5.2.1. Obtain a copy of "Salt Attack and Rising Damp" by David Young (2008), which is a free booklet available for download from Heritage Victoria website. It is in plain English, well-illustrated and has very important instructions and should be used by tradesmen, Council maintenance staff and designers. This is particularly relevant for Victorian and Federation era buildings.

3.5.3. Roofing, spouting and down pipes

- 3.5.3.1. Corrugated iron roofing, spouting, down pipes and rain heads should all be galvanised. Whilst not essential, it is preferable to use short sheet corrugated iron and lap them, rather than long single sheets for Victorian and Federation era buildings.
- 3.5.3.2. Zincalume or Colorbond should not be used.
- 3.5.3.3. Ogee profile spouting and round diameter down pipes should be used for Victorian and Federation era buildings.
- 3.5.4. Joinery
 - 3.5.4.1. It is important to repair rather than replace where possible, as this retains the historic fabric. This may involve cutting out rotten timber and splicing in new timber, which is a better heritage outcome than complete replacement.

3.6. Water Damage and Damp

3.6.1. Signs of damp in the walls of solid masonry buildings include: lime mortar falling out of the joints, moss growing in the mortar, white (salt) powder or crystals on the brickwork, existing patches with grey cement mortar, or the timber floor failing. These causes of damp are, in most cases, due to simple drainage problems, lack of correct maintenance, inserting concrete next to the solid masonry walls, sealing the walls, sub floor ventilation blocked, or the ground level too high on the outside.

3.6.2. Always remove the source of the water damage first (see Care and Maintenance).

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- 3.6.3. Water falling, splashing or seeping from damaged spouting and down pipes cause severe and expensive damage to brick walls.
- 3.6.4. Repairing damage from damp may involve lowering the ground outside so that it is lower than the ground level inside under the floor, installation of agricultural drains, running the downpipes into drainage inspection pits instead of straight into the ground. The reason for the pits is that a blocked drain will not be noticed until so much water has seeped in and around the base of the building and damage commenced (which may take weeks or months to be visible), whereas, the pit will immediately fill with water and the problem can be fixed before the floor rots or the building smells musty.
- 3.6.5. Damp is exacerbated by watering plants near the walls. Garden beds and bushes should therefore be located at least half a metre away from walls.
- 3.6.6. Cracking: Water can seep into the structure through cracks (even hairline cracks in paint) and the source of the problem needs to be remedied before the crack is filled with matching mortar. In the case of paint on brick, stone or render, the paint should be chemically removed to allow the wall to breathe properly and prevent the retention of moisture.
- 3.6.7. Subfloor ventilation is critical. Sub floor vents should be checked for blockages and introduce additional ones if necessary. Ensure the exterior ground level is 250mm or more, lower than the ground level inside the building. Good subfloor ventilation works for free, and is therefore very cost effective. Do not rely on fans being inserted under the floor as these are difficult to monitor, they can breakdown as they get clogged with dust, etc., and there are ongoing costs for servicing and electricity.
- 3.6.8. Engineering: If a structural engineer is required, it is recommended that one experienced with historic buildings and the Burra Charter principle of doing 'as little as possible but as much as necessary', be engaged. Some of them are listed on Heritage Victoria's Directory of Consultants and Contractors.
- 3.6.9. Never use cement mortar on Victorian and Federation era buildings, always match the original lime mortar. Cement is stronger than the bricks and therefore the bricks will eventually crumble, leaving the cement mortar intact. Lime mortar lasts for hundreds of years. When it starts to powder, it is an indication of a damp problem – which should be fixed at the source and then repointed with lime mortar.
- 3.6.10. New damp proof course (DPC) should not be installed until the drainage has been fixed. Even an expensive DPC may not work unless the ground has been lowered appropriately.
- 3.7. Paint Colours and Paint Removal
 - 3.7.1. A permit is required to paint a previously unpainted exterior or interior (when controls apply) and to change the existing colours.

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- 3.7.2. Even if the existing colour scheme is not original or appropriate for that style of architecture, repainting using the existing colours is considered to be maintenance and no planning permit is required.
- 3.7.3. If a change of the existing colour scheme is proposed, a planning permit is required and it would be important to use colours that enhance the architectural style and age of the building.
- 3.7.4. Rather than repainting, it would be preferable if earlier paint was chemically removed from brick and rendered surfaces to reveal the original finish.
- 3.7.5. Chemical removal of paint will not damage the surface of the stone, bricks or render or even the delicate tuck pointing that is hidden under many painted surfaces. Removal of the paint will not only restore the elegance of the architecture, but it will remove the ongoing costs of repainting it every ten or so years.
- 3.7.6. Sand, soda or water blasting removes the skilled decorative works of craftsmen as well as the fired surface on bricks and the lime mortar from between the bricks. It is irreversible and reduces the life of the building due to the severe damp that the damage encourages. Bricks or render should never be sealed as that will create perpetual damp problems.

3.8. Services

- 3.8.1. New services and conduits, down pipes etc, should not be conspicuous and therefore located, whenever possible, at the rear of the building. When this is not practical, they should be painted the same colour as the building or fabric behind them, or enclosed behind a screen of the same colour as the building fabric that also provides adequate ventilation around the device. Therefore, if a conduit goes up a red brick wall, it should be painted red, likewise when it passes over a cream coloured detail, it should be painted cream.
- Signage (including new signage and locations and scale of adjacent advertising signage)
 - 3.9.1. All signage should be designed to fit within or around the significant architectural design features, not over them.

Resources

Wellington Shire Heritage Advisor

Young, David (2008), "Salt Attack and Rising Damp, a guide to salt damp in historic and older buildings" Technical Guide, prepared for Heritage Victoria.

All photos taken in 2011 by Heritage Intelligence Pty Ltd unless otherwise noted.

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ITEM C3.3

WELLINGTON REGIONAL TOURISM – MEMORANDUM OF UNDERSTANDING AND SERVICE AGREEMENT

DIVISION:DEVELOPMENTACTION OFFICER:GENERAL MANAGER DEVELOPMENTDATE:6 SEPTEMBER 2016

IMPACTS									
Financial	Communication	Legislative	Council Policy	Council Plan	Resources & Staff	Community	Environmental	Consultation	Risk Management
✓				~	\checkmark	\checkmark		✓	

OBJECTIVE

To renew and revise Wellington Shire Council's (Council) Memorandum of Understanding and Service Agreement (MOU) with Wellington Regional Tourism (WRT) and, in doing so, support the implementation of a revised Tourism Brand.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That:

- 1. Council renew Wellington Shire Council's Memorandum of Understanding and Service Agreement with Wellington Regional Tourism for period 1 October 2016 to 30 June 2019 as provided at Attachment 1.
- 2. Council provide Wellington Regional Tourism with an annual contribution of \$90,000 plus CPI adjustments to implement the marketing programs outlined in Appendix 1 of Memorandum of Understanding and Service Agreement.
- 3. Council endorse the implementation of a revised tourism brand that is strategically aligned to the "Inspired by Gippsland' brand and is generally in accordance with the presentation document provided at Attachment 2.

BACKGROUND

Wellington Shire Council has an MOU agreement with WRT that has been in place since 2008. The MOU formalises the relationship between Council and WRT and was established to support tourism development, co-operative marketing, foster increased industry involvement and support strategic initiatives. Under the current agreement, Council provides WRT with financial support of \$40,000 per annum.

Given proposed changes to the location and operation of Visitor Information Services from January 2018 (currently managed under contract) together with the recent resignation of Council's Tourism Development Officer, it was considered appropriate that a review of the way in which Council supports the visitor economy be undertaken.

This review has been completed and, as outlined in the Council workshop held on 2 August 2016, it has identified a number of opportunities for improvement that once implemented will reduce duplication, whilst providing greater clarity regarding roles and responsibilities.

The outcome of the review recommends that Council take lead responsibility for:

- Visitor Information Centre services
- Tourism development and industry support
- Liaison with Business and Tourism Associations
- Tourism Infrastructure
- Events attraction and coordination.

Wellington Regional Tourism will take lead responsibility for:

- Tourism marketing
- Tourism branding.

The most significant change coming out of the review is that WRT take lead responsibility for tourism marketing, something that has been a shared responsibility in the past. Both Council and WRT agree that one organisation with a key focus on marketing will achieve better outcomes than having it spread across multiple agencies.

To facilitate these changes, it is recommended that Council enter into a new MOU and Service Agreement with WRT as provided at Attachment 1. Given the MOU requires WRT to manage the entire tourism marketing program on behalf of Wellington Shire, it is proposed to reallocate Council's marketing budget to WRT thereby increasing the annual financial contribution to \$90,000 per annum.

Whilst Council has been conducting the review of visitor economy support services, WRT has also been finalising its recommendations regarding a consumer brand for the region. That process has concluded, with WRT recommending the establishment of a strong relationship with Destination Gippsland's "Inspired by Gippsland" brand.

This recommendation was outlined at the Council workshops held on 15 March 2016 and 19 July 2016 where the rationales for the proposed changes were presented (refer Attachment 2).

Now that the visitor economy support services review, and consumer brand review are finalised, Council is in a position to enter into new agreements and endorse a revised tourism brand.

OPTIONS

Council has the following options:

1. Renew Wellington Shire Council's Memorandum of Understanding and Service Agreement with Wellington Regional Tourism for the period 1 October 2016 to 30 June 2019 as provided at Attachment 1.

Provide Wellington Regional Tourism with an annual contribution of \$90,000 plus CPI adjustments to implement the marketing programs outlined in Appendix 1 of Attachment 1.

Endorse the implementation of a revised tourism brand that is strategically aligned to the "Inspired by Gippsland' brand and is generally in accordance with the presentation provided at Attachment 2"; or

2. Request further information before considering the regional tourism arrangements.

PROPOSAL

That:

- Council renew Wellington Shire Council's Memorandum of Understanding and Service Agreement with Wellington Regional Tourism for period 1 October 2016 to 30 June 2019 as provided at Attachment 1.
- 2. Council provide Wellington Regional Tourism with an annual contribution of \$90,000 plus CPI adjustments to implement the marketing programs outlined in Appendix 1 of Attachment 1.
- 3. Council endorse the implementation of a revised tourism brand that is strategically aligned to the "Inspired by Gippsland' brand and is generally in accordance with the presentation provided at Attachment 2.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

FINANCIAL IMPACT

The level of funding recommended in this report has been provided in Council's 2016/17 operating budget and in the longer term Strategic Resource Plan. The increased funding allocation to WRT has resulted from the reallocation of Council's marketing budget and long term operational efficiencies in the provision of visitor information services.

COUNCIL PLAN IMPACT

The Council Plan 2013-17 theme *Economy* states the following strategic objective and related strategies:

Strategic Objective

"Supported business growth to align with the competitive strengths of the region"

Strategy 6.1

"Support business growth to align with the competitive strengths of the region"

Strategy 6.2

"Encourage infrastructure planning and delivery to support economic growth"

Strategy 6.3

"Attract new investment, lifestyle growth and visitors by developing and supporting Wellington Shire's regional identity"

RESOURCES AND STAFF IMPACT

The ongoing management of the Memorandum of Understanding and Service Agreement will be undertaken by Council's Manager Economic Development. The primary responsibility for tourism marketing will now rest with WRT, thereby allowing Council to take on the direct delivery of Visitor Information Services from 1 January 2018 (rather than contract management).

CONSULTATION IMPACT

In developing the Memorandum of Understanding and Service Agreement with WRT, and in particular the revised tourism brand, extensive consultation has been undertaken with Destination Gippsland.

ATTACHMENT 1

Wellington Regional Tourism Service Agreement MOU



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This document outlines a co-operative marketing agreement between Wellington Shire Council and Wellington Regional Tourism Inc. The purpose of this agreement is to provide clear guidance of responsibilities and minimise duplication of effort.

OVERVIEW & BASIS OF AGREEMENT

To formalise the agreed arrangements between Wellington Shire Council (WSC) and Wellington Regional Tourism Inc to support visitor marketing opportunities external to Wellington Shire, foster increased industry involvement in marketing campaigns and support strategic initiatives relating to tourism/visitor development projects conducted by Wellington Shire Council.

Wellington Regional Tourism Inc will be funded annually by the Wellington Shire Council to efficiently promote the tourism attributes, tourism operators, visitor attractions and tourism industry of the Wellington and Central Gippsland region to the external visitor market to attract new visitors and increase yield through encouraging increased length of stay.

BOARD STRUCTURE

The board will continue to renew themselves to ensure appropriate representation of Wellington with a range of board members from various geographical and visitor industries within the region.

Wellington Regional Tourism Inc are required to comply with Consumer Affairs Victoria model rules for an incorporated association.

FUNDING

Annual funding for Wellington Regional Tourism Inc will be provided by Wellington Shire Council as part of its budget process. It is expected that other funding for the operations of Wellington Regional Tourism Inc should also be sourced from grants, other tourism/visitor and government agencies, the tourism industry and other appropriate sources. This will complement the MOU contribution provided by Wellington Shire Council and enable a comprehensive marketing program of activities to occur. MOU contribution will be provided quarterly in advance, upon receipt of a tax invoice.



MARKETING PLAN

Wellington Regional Tourism Inc will develop an Annual Marketing Plan in consultation with Wellington Shire Council. The Plan will specify the marketing activities of Wellington Regional Tourism Inc for the following financial year for implementation effective 1 July annually. The marketing plan will be submitted to council prior to 1 July annually

WELLINGTON REGIONAL TOURISM INC RESPONSIBILITES AND KPI'S

Wellington Regional Tourism Inc will undertake a range of activities associated with the external marketing of the region. These activities will form the basis of the annual review by Wellington Shire Council and are integral to the provision of ongoing funding. The annual responsibilities and KPI's are specified in Appendix 1 (attached).

Wellington Regional Tourism Inc will provide strategic advice to council on tourism related issues as required.

GOVERANCE

Meetings: Wellington Regional Tourism Inc will meet for a minimum 8 meetings per year, or as required during projects, to advance and develop marketing, promotion and attending external relevant trade shows.

Documentation: A copy of the Constitution and/or governance arrangements for Wellington Regional Tourism Inc meetings, membership and Board will be provided at the commencement of MOU or updated as applicable. Meeting minutes will be submitted to Wellington Shire Council within two weeks of each board, executive or committee meeting.

Wellington Shire Representation: Wellington Shire Council will provide one Councillor to act as ex-officio members of Wellington Regional Tourism Inc Board to ensure appropriate recognition of the tourism interests of Wellington Shire. The Council will also be represented by the Visitor Economy and Events Coordinator in an ex-officio capacity.

Conflict of Interest: Wellington Regional Tourism Inc will disclose any Conflict of interest and will act with integrity at all times. All conflicts of interest must be recorded in the minutes of all meetings.

The board members, staff and contractors of Wellington Regional Tourism Inc will be required to give advice to council on behalf of the tourism industry they represent; private interests should not affect the way Wellington Regional Tourism Inc perform their duties or advice council.

The board members, staff and contractors of Wellington Regional Tourism Inc are required to comply with the State Government of Victoria, Conflicts of Interest; A guide for members of Council committees guide lines.

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The Heart of Gippsland

RESOURCE SHARING

Sharing of resources with neighbouring Regional Tourism Organisations, Wellington Shire Council, Destination Gippsland, VECCI, VTIC and local Business and Tourism Associations is encouraged and all steps should be taken to gain increased leverage from joint marketing and promotional activities. Sharing of resources may include marketing resources, imagery, videos etc.

Wellington Regional Tourism Inc will provide Wellington Shire Council's Visitor Economy and Events Coordinator with access to tourism website and social media accounts to gain access to statistics for Council reporting.

REPRESENTATION ON DESTINATION GIPPSLAND BOARD

Wellington Regional Tourism Inc., subject to board ratification will support appropriate local nominations for the Board and advisory committees of Destination Gippsland to ensure representation of the tourism interests of Wellington Shire.

EXPENDITURE GUIDELINES

The specific expenditure guidelines forming part of this agreement are outlined in appendix 2 attached.

TERM OF AGREEMENT

The agreement will be for a three year period: 1 October 2016 - 30 June 2019

TERMINATION

This agreement may be terminated or suspended in writing, by the following circumstances:

a) In the event that the organisation commits a material breach of the obligations and responsibilities outlined in this memorandum of understanding, provided that notice of breach has been given an opportunity to remedy provided and remedy has not been made by the organisation within 60 days of notice having been given.

b) The organisation becomes insolvent or is subject to petition or resolution for winding up.

c) Termination of this agreement can be made by mutual agreement of both parties, given in writing, with three months' notice. In the event of termination of the agreement, payment will be made on a pro-rata basis.

LEVEL OF FINANCIAL SUPPORT

Wellington Shire Council will provide Wellington Regional Tourism Inc with an annual contribution of \$90,000 plus an adjustment for the Consumer Price Index (CPI) on an annual basis. This annual contribution will be paid quarterly in advance, subject to continued satisfactory completion of responsibilities and KPI's.



The Heart of Gippsland

These funds are to be used for the following purpose:

 An annual allocation of at least \$50,000 to support the direct cost associated with marketing activities. Wellington Regional Tourism Inc is required to match the marketing allocation dollar for dollar to produce a minimum of \$100,000 worth of external marketing value to promote Wellington. For the financial year 2016/17 the allocation will be a minimum of \$37,000 to support an overall marketing effort of \$74,000

The dollar for dollar funding can be:

- Cash contributions,
- In-kind marketing or promotional activities that occur outside Wellington Shire Grant funds

The dollar for dollar funding cannot be:

 Funding received to delivery events or the marketing acidities that occur within Wellington Shire

For the contract period 1 October 2016 to 30 June 2017 the MOU payment will be reduced to reflect the 9 month contract period of the financial year. The total payment will be \$67,500.

WELLINGTON SHIRE COUNCIL'S RESPONSIBILITIES

In supporting the visitor economy, Wellington Shire will:

- Manage the Visitor Information Centres
- Membership of Destination Gippsland
- Produce local visitor brochures for the Visitor Information Centres in consultation with local Business and Tourism Associations.
- Management of events listings at VIC's and on the internet
- Consult with Wellington Regional Tourism Inc on Wellington visitor strategies.
- Consult and support local business and tourism association
- Develop visitor attractions
- Consult with state and regional bodies including other Gippsland Councils, Parks Victoria, Economic Development Victoria, Vic Roads, Gipps Ports and Regional Development Victoria.
- From January 2018, provide Wellington Regional Tourism Inc's Executive Officer with a shared desk at the Shire's Port of Sale Hub at Foster Street, Sale
- Provide Economic Development support to related businesses as required
- Run business development workshops
- Work with business and tourism associations as required on destination and attraction development
- Authorise any filming conducted within Wellington Shire. Filming requires council approval and a filming permit as per Victorian State Regulations

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Signed for and on behalf of:		
Wellington Regional Tourism Inc:	<u>6</u>	<u> </u>
	Kellie Willis	Date
	President	
Wellington Shire Council:		<u></u>
	John Websdale	Date
	General Manager Development	

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APPENDIX 1

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RESPONSIBILITIES and KPI's

General Responsibilities

Wellington Regional Tourism Inc:

- Will formally submit to Wellington Shire Council a copy of minutes, annual financial statements and President's report following its Annual General Meeting.
- Will submit to Wellington Shire Council a copy of minutes within two weeks of each board, executive or committee meeting.
- Is responsible for delivering marketing activities that promote the regional with the aim of increased regional visitation.
- Will support beneficial strategic marketing initiatives (where WRT Board considers valuable) as delivered by Destination Gippsland Ltd. Wellington Regional Tourism Inc is responsible for payment of Destination Gippsland marketing activities including brochures.
- Will consult with the Visitor Economy and Events Coordinator before purchasing any Destination Gippsland or other brochures to be stocked at Wellington Visitor Information Centres.
- Will submit an annual budget and marketing plan to Wellington Shire Council prior to 1 July annually.

6

7. Implement agreed Annual Marketing Plan.

Specific Responsibilities

 For 2016/17 introduce in consultation with Wellington Shire Council a tourism brand for joint use by Wellington Regional Tourism Inc and Wellington Shire Council for Wellington tourism/visitor initiatives, to be formally agreed by Wellington Shire Council and Wellington Regional Tourism Inc Board

The new brand will be utilised in numerous ways such as:

- Incorporate the new Wellington brand in marketing campaigns including Tourism Victoria, Destination Gippsland campaigns.
- Incorporate the new Wellington Brand for marketing and promotional activities aimed at the consumer.
- The Wellington Regional Tourism Inc logo and brand is to be used locally when it is industry relevant and not aimed at the external consumer.
- On an annual basis, submit and present an end of financial year report to Wellington Shire Council covering the following points:

- W

- Budget including break down of associated costs, breakdown of MOU spend, itemised matched dollar for dollar funding
- a) Marketing plan
- b) Website and social media statistics monthly comparisons over the previous 12 months
- c) Contribution to Destination Gippsland marketing activities
- Complete an analysis of Wellington Regional Tourism Inc marketing activities external to Destination Gippsland's campaigns. Analysis will include general target markets, campaign reach, cost and return on investment for each marketing activity
- e) Industry database size previous 12 monthly comparison
- f) Consumer database size previous 12 monthly comparison
- g) Previous 5 years' statistics on Travel to Wellington for the following categories; Domestic overnight travel, Domestic nights in Wellington, International visitors, International nights in Wellington and Domestic daytrips (based on data from Destination Gippsland)
- h) Other Wellington Regional Tourism Inc activities

In additional the annual report, provide and present a midyear briefing of WRT's activities at a Council workshop.

- 3. Work proactively with Latrobe City Council to product the Central Gippsland Official Visitor Guide (OVG) under the guidelines of Visit Victoria. Wellington Regional Tourism Inc is responsible for; selling advertising space with the OVG for Wellington and all associated cost of producing the OVG print and digital versions. All commissions raised developing the OVG will remain the revenue of Wellington Regional Tourism Inc.
- Work with Creative Gippsland and other arts and cultural organisation to support the promotion of Wellington's arts, culture and heritage.
- 5. From 1 Jan 2018 Wellington Regional Tourism Inc will be responsible for annually selling industry brochure racking spots for Sale, Maffra and Yarram Visitor Information Centres. Wellington Regional Tourism Inc will keep 100% of the racking fee payments for Sale and Maffra. The Yarram racking fee is \$25 per business, all proceeds will be paid to Mirridong Services by Wellington Regional Tourism Inc annually.
- Manage and maintain the tourism website, social media, consumer database and enews for online marketing and promotion. (Provide the visitor information centres contact details on the contact us page of the tourism website for visitor enquiries).

Y

The Heart of Gippsland

APPENDIX 2

GUIDELINES FOR EXPENDITURE OF WELLINGTON REGIONAL TOURISM INC FUNDS

- Marketing expenditure is to be focused on the promotion of visitation to the Wellington Region from visitors external to Wellington Shire.
- Activities and collateral which promote individual tourism businesses must involve an appropriate contribution from those businesses
- Wellington Regional Tourism Inc will support the following tradeshows in 2017 to gain an understanding and knowledge of current consumer shows. Consideration be given to attend the events after 2017.
 - a. Financial support Gippsland Vehicle Collection to attend Motorclassica Melbourne. Wellington Regional Tourism Inc is responsible for paying all stand payments and event insurance. Gippsland Vehicle Collection is responsible for manning and organising the stand.
 - b. Support one trade show with Destination Gippsland in conjunction with other Gippsland Councils/tourism bodies.
 - c. Attend the National 4x4 Outdoor Show, Fishing and Boating Expo (Melbourne). Wellington Regional Tourism Inc is responsible for paying all stand payments, associated expenses and Wellington Regional Tourism Inc staff expenses. Mountain Top Experiences provided support to man the stand in conjunction with a Wellington Regional Tourism Inc staff member. Baw Baw, Latrobe and East Gippsland councils provide \$500+GST towards funding the stand to promote Gippsland's High County.
 - d. Victorian 4WD Show (Wandin). Mountain Top Experience is responsible for paying all stand payments and associated expenses. Wellington Regional Tourism Inc provides support of a staff member to help man the stand and associated Wellington Regional Tourism Inc staff member expenses.

End.

The Heart of Gippsland

ITEM C3.4 WELLINGTON SHIRE STAGE 2 HERITAGE STUDY (2016) -IMPLEMENTATION

DIVISION: DEVELOPMENT

ACTION OFFICER: DATE:

MANAGER LAND USE PLANNING

6 SEPTEMBER 2016

IMPACTS									
Financial	Communication	Legislative	Council Policy	Council Plan	Resources & Staff	Community	Environmental	Consultation	Risk Management
✓	✓	✓		✓		\checkmark		✓	

OBJECTIVE

To adopt the Wellington Shire Stage 2 Heritage Study (2016) - Volume 1: Key Findings and Recommendations, May 2016 and Volume 2: Citations, May 2016 prepared by Heritage Intelligence Pty Ltd.

To request the Minister for Planning to Authorise Council as the planning authority to prepare Amendment C92 to implement the recommendations of the *Wellington Shire Stage 2 Heritage Study* (2016) Volume 1: Key Findings and Recommendations, May 2016 and Volume 2: Citations, May 2016 prepared by Heritage Intelligence Pty Ltd into the Wellington Planning Scheme.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That

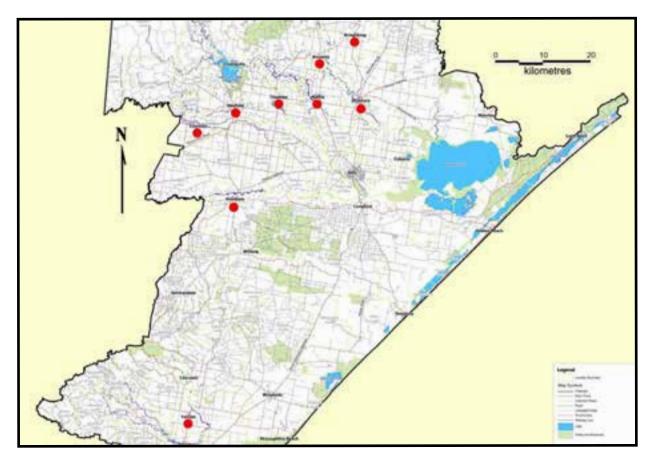
- 1. Council resolve to adopt the Wellington Shire Stage 2 Heritage Study (2016) -Volume 1: Key Findings and Recommendations, May 2016 and Volume 2: Citations, May 2016 prepared by Heritage Intelligence Pty Ltd.
- 2. Pursuant to Section 8A of the Planning and Environment Act 1987, Council resolve to request the Minister for Planning to Authorise Council as the planning authority to prepare Amendment C92 to implement the recommendations of the Wellington Shire Stage 2 Heritage Study (2016) - Volume 1: Key Findings and Recommendations, May 2016 and Volume 2: Citations, May 2016 prepared by Heritage Intelligence Pty Ltd into the Wellington Planning Scheme by applying the Heritage Overlay to the 67 places illustrated in the individual citations contained in Volume 2 of the Study.

BACKGROUND

At its meeting of 2 June 2015, Council resolved to support the allocation of \$50,000 for the targeted detailed assessment of a (limited) number of priority places of potential heritage significance as a key project for the 2015/16 Strategic Planning work program.

Consultants 'Heritage Intelligence' were appointed to undertake the 'Wellington Shire Heritage Study – Stage 2 Implementation', in October 2015. The Study included the detailed assessment of 72 individual places that are spread across 9 towns within the Shire, including: Cowwarr, Heyfield, Tinamba, Maffra, Boisdale, Briagolong, Stratford, Rosedale and Yarram.

The individual places were selected from a shortlist derived from the original 584 places identified as being of 'High priority' in Stage 1 of the Heritage Study in 2005.



The Heritage Study involved three key stages:

Stage 1: Consultation and Data Collection

Stage 1 comprised the initial consultation with owners and historical societies, the field survey and photographs of all places from the public realm, historical research and the compilation of a brief Progress Report informing Council officers of the Stage 1 findings.

Stage 2: Detailed Assessment & Consultation

During this stage, the consultant undertook the detailed assessment of places included within the Heritage Study. Following the detailed assessment, 67 draft citations and associated detailed management guidelines were prepared for those places which hadn't been significantly altered and retained sufficient original fabric to meet the threshold of local significance.

Whilst 72 places were originally intended to be documented, it is noted that several places were merged into a single citation and 3 others were not considered to meet the local significance threshold test (being the Briagolong Hotel, Heyfield Memorial Hall and Tinamba Hotel). Similarly, it was determined that the Moreton Bay Fig, Maffra would be better protected and managed under the provisions of an Environmental Significance Overlay.

Individual landowners were provided with copies of the draft documentation and invited to provide feedback and comments. Of the 22 written submissions received, 6 submitters formally 'objected' to the proposed heritage listing (citing issues such as private property rights, the restrictive nature of the controls, business function and impacts on land sale). A copy of the submissions received has previously been made available to Councillors electronically. A full summary of the submissions can be found in the attached Submission Summary and Response Table (**Attachment 1**).

Two (2) landowners provided strong verbal objections to the inclusion of their properties in the study and raised concerns about potential (financial) implications of having a Heritage Overlay applied to their properties. Notwithstanding this, no formal written objections were submitted to Council.

Stage 3: Final Report

Stage 3 comprised the response and consideration of submissions from the key stakeholders and the subsequent finalisation of the individual place citations and Key Findings & Recommendations Report.

The final report prepared by Heritage Intelligence Pty Ltd comprises two (2) volumes:

- Volume 1: Key Findings and Recommendations, May 2016
- Volume 2: Individual citations, May 2016

The final report is available to view electronically in the Councillor directory folders at S:\Councillor library\COUNCIL DAY\2016\h - September\Week 1\Heritage Study Information - and can be publicly inspected in print at the Sale Service Centre.

The final report provides the required justification to formally include the 67 places into the Wellington Planning Scheme under the provisions of the Heritage Overlay, which will afford them statutory protection. On this basis, it is proposed to formally commence the Planning Scheme Amendment process for (what will be referred to as) Amendment C92 in the event that the Heritage Study is adopted by Council.

OPTIONS

Council has the following options:

- 1. Adopt the *Wellington Shire Stage 2 Heritage Study (2016) Volumes 1 and 2* (in full) and request the Minister for Planning to Authorise Council as the planning authority to prepare Amendment C92 to formally implement the recommendations of the Heritage Study into the Wellington Planning Scheme; or
- 2. Adopt the *Wellington Shire Stage 2 Heritage Study (2016) Volumes 1 and 2 (in part)* and request the Minister for Planning to Authorise Council as the planning authority to prepare Amendment C92 to formally implement the recommendations of the Heritage Study into the Wellington Planning Scheme; or
- 3. Seek further information for consideration at a future Council Meeting.

PROPOSAL

That Council:

- Resolve to adopt the Wellington Shire Stage 2 Heritage Study (2016) Volume 1: Key Findings and Recommendations, May 2016 and Volume 2: Citations, May 2016 prepared by Heritage Intelligence Pty Ltd
- 2. Pursuant to Section 8A of the *Planning and Environment Act 1987*, resolve to request the Minister for Planning to Authorise Council as the planning authority to prepare Amendment C92 to implement the recommendations of the Wellington Shire Stage 2 Heritage Study (2016) Volume 1: Key Findings and Recommendations, May 2016 and Volume 2: Citations, May 2016 prepared by Heritage Intelligence Pty Ltd into the Wellington Planning Scheme by applying the Heritage Overlay to the 67 places illustrated in the individual citations contained in Volume 2 of the Study.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

FINANCIAL IMPACT

The resources associated with this project and the proposed Amendment have been accounted for in the Council budget.

COMMUNICATION IMPACT

Affected Landowners will be contacted by letter to inform them of the Council decision and via the public exhibition of Planning Scheme Amendment C92. The Council website will also be updated accordingly.

LEGISLATIVE IMPACT

The study has been undertaken having regard to the *The Burra Charter: The Australia ICOMOS Charter for Places of Cultural Significance* (2013) and its Practice Notes, and the Victorian Planning Provision's Practice Note *Applying the Heritage Overlay* (2012).

The implementation of the study through a Planning Scheme Amendment will be undertaken in accordance with the requirements of the *Planning and Environment Act 1987* including public exhibition of Amendment C92 where affected parties will have the opportunity to lodge a submission and be heard by an Independent Planning Panel (if required).

Wellington Shire Council is committed to upholding the Human Rights principles as outlined in the *Charter of Human Rights and Responsibilities Act 2006 (Vic)* and referred to in Council's Human Rights Policy. The Human Rights Checklist has been completed and the study and the proposed amendment to the Wellington Planning Scheme is in accordance with Council's policy commitment to uphold human rights principles.

COUNCIL PLAN IMPACT

The Council Plan 2013–2017 - Theme 5: Land Use Planning contains the following strategic objective and related strategy:

Strategic Objective

"Appropriate and forward looking land use planning that incorporates sustainable growth and development."

<u>Strategy 5.1</u> "Ensure Land Use Policies and Plans utilise an integrated approach to guide appropriate

land use and development."

The Heritage Study supports the above Council Plan strategic objective and strategy.

PLANNING POLICY IMPACT

Clause 22.03 (Heritage Policy) of the Wellington Planning Scheme will be updated as part of the Planning Scheme Amendment process to include the *Wellington Shire Stage 2 Heritage Study* (2016) as a Policy reference.

COMMUNITY IMPACT

The adoption of the study and the subsequent implementation of the findings into the Wellington Planning Scheme will have a generally positive community impact by providing for the conservation and enhancement of those places in Wellington Shire which are of, aesthetic, archaeological, architectural, cultural, scientific, or social significance, or otherwise of special cultural value. The Stage 2 Heritage Study has identified and documented places that reflect important aspects of the municipality's history that are valued by local communities.

Those who have objected to being included in the Heritage Overlay have indicated concerns regarding additional planning controls being applied to their property.

The application of the Heritage Overlay is intended to ensure that development does not adversely affect the significance of recognised built, cultural and natural heritage places. The Heritage Overlay will not automatically prohibit landowners or occupiers of heritage places from undertaking a new use or additional development. Rather, it will trigger the need for a planning permit so that the relevant heritage matters can be considered as a part of the permit process.

CONSULTATION IMPACT

Consultation involved approximately 71 individual landowners and 7 historical societies and was undertaken during two separate stages of the study:

- When the study commenced, consultation was undertaken with key stakeholders including landowners, historical societies, Heritage Victoria and Council officers for the purpose of obtaining historical information such as photos and other documentation.
- Following the preparation of the draft documentation, individual landowners were provided with copies and invited to provide feedback and comments.

A summary of the submissions can be found below:

• 22 submissions were received during the consultation period.

- 6 submitters formally 'objected' to the proposed heritage listing (citing issues such as private property rights, restrictive controls, business function and impacts on land sale).
- Two (2) landowners provided strong verbal objections to being included in the study and concerns about potential (financial) implications of having a Heritage Overlay applied to their properties, but have not submitted formal written objections.
- The remainder of submissions were either in support of the study or provided valuable information regarding the history of their properties and building features and elements, that was added to the draft documentation.

VicRoads Submission

- Consultation took place with VicRoads throughout the study in relation to the memorial sites at Maffra, Bushy Park, Rosedale and Yarram due to their location within road reserves. VicRoads raised concerns primarily relating to the extent of the proposed overlay curtilages. It was submitted that these were excessive and would have negative consequences for ongoing road maintenance or road safety works due to the need to obtain a permit when undertaking any works. VicRoads requested that either the overlay curtilage be reduced, or permit exemptions should be provided in relation to these four sites for:
 - maintenance works
 - surface resealing
 - pot hole repair and dig out
 - structural repairs to pavement
 - lighting installation.

Officers responded to VicRoads stating a permit would not be triggered for these types of works as the provisions of clause 62.02-1, 62.02-2 and 43.01 already provide sufficient exemptions to allow for ongoing maintenance and safety works without the need for a permit. In relation to the overlay curtilage, it was agreed that the extent could be reduced for the sites at Bushy Park and Yarram but needed to be retained as originally proposed at Maffra and Rosedale in order to properly protect the heritage assets and their settings.

The matters at hand (permit exemptions and overlay curtilage) were recently considered by the Panel for Moira C38 who concurred with a previous decision on the matter (Interim Panel Report - Buloke C14). The Panel for C14 stated that not only is it common practice for a roadway to be subject to heritage controls together with abutting lots, but also that the exemptions provided in Clauses 43.01, 62.02-1 and 62.02-2 'would allow most routine activities and works by VicRoads without the need to apply for a planning permit'. The Panel concluded by stating that:

"The Panel sees no need to have the Heritage Overlay removed from the Road Zone 1 land on the basis that it would unreasonably restrict VicRoads' operations. It would only be major changes proposed to the main roads as they pass through the heritage precincts that would likely need permission. In the Panel's view this is reasonable. Major changes to the structure and treatment of the major roadways should be assessed amongst other matters in terms of their effects upon the heritage values of the townships."

- In response to feedback, a number of the draft citations were revised to include additional information, make corrections or to respond directly to a request (such as removal or reduction of the proposed extent of the overlay curtilage).
- A full summary of the submissions can be found in the attached Submission Summary and Response Table (Attachment 1).

Implementing the findings of the Heritage Study through the Planning Scheme Amendment process will include a period of public exhibition, including further consultation with directly affected landowners and will also afford the wider community an opportunity to provide input. The process will also allow for any objections to the proposal to be considered by an independent Planning Panel, appointed by the Minister for Planning (if required).

ATTACHMENT 1

Submission Summary Table Heritage Study



During consultation, a feedback survey was provided to landowners in order to obtain key information sought by the consultants. The survey asked the following questions:

- 1. What is the name of the place you are providing feedback for?
- 2. What town is the place in?
- 3. Do you believe there are incorrect or missing historical facts in the draft Place History?
- 4. Would you like to correct any details in the Description? Are there any original elements or features that are not mentioned?
- 5. Do you have any feedback on the draft Management Guidelines?
- 6. Do you have any other comments?

Use of Q3, Q4, Q5 & Q6 in the table below refers to the relevant questions from the surveys.

Where the numbers haven't been used, feedback is more general in nature and is not responding directly to a survey question.

Submissions received from Authorities (1)

Sub No	Authority	Name of Place	Key issues raised	Preliminary response
12.	VicRoads	# 13 - Angus McMillan Memorial # 30 - Maffra Soldiers Memorial # 40 - Lyons Street Beautification # 58 - Yarram Soldiers Memorial	 No objection to detail in citations Issues with proposed heritage overlay boundaries – appear excessive and not warranted to protect heritage items (Memorials at Maffra, Bushy Park, Rosedale, Yarram) Consequences for ongoing road maintenance works (permits required for activities within road reserve eg – maintenance, road safety, linemarking) Overlay should include heritage assets only and not be located on roads Bushy Park – concerns re maintenance of trees (Pencil pines located in road reserve) and responsibilities regarding public injuries. If trees included in overlay Council should be responsible for public liability and maintenance. See submission for VicRoads suggested overlays Guideline wording is prohibitive to VicRoads operations regarding general maintenance, road safety works and emergency works. Amend wording to ensure clearer description for its use. Guidelines should not interfere with redevelopment of site as long as public consultation is undertaken. 	 Consultants to provide explanation of rationale behind overlay curtilage which officers will then provide to VicRoads Officers will clarify existing permit exemptions with VicRoads – Officers have requested from VicRoads information about what works they believe should be exempted from a permit requirement Following discussions with VicRoads, officers have agreed to include a short paragraph in the citations that better explains the purpose and intent of the Management Guidelines and clarifies how they should be used. Overlay curtilage reduced at Bushy Park and Yarram Memorial Sites. Retained as per original proposal for Maffra and Rosedale sites Current exemptions in scheme considered sufficient to allow for general maintenance and road safety works

Submissions received from Landowners (21)

Sub No	Citation#/Place	Key issues raised	Preliminary response
1	Photo referencing Briagolong Hotel #13 & #40 - McMillan memorials #1. 11. 24. 28. 47. 55 & 59 - Anglican Churches #12 - Coffee Palace #7 - Briagolong ANZAC Park	 Correct the captions for Maffra and Stratford photos as previously discussed Briagolong Hotel Why did Briagolong Hotel not reach threshold for local significance? Briagolong Hotel is the last timber hotel on the Central Glppsland Plains and one of only three left between Moe and NSW border. The other two are Dargo and Ensay. Newry, Swifts Creek, Buchan and Port Albert have all burnt down. Can't count Beltbird in far east Glppsland is a 1920s total rebuild Briagolong therefore needs protection Disagree about windows not being original on Briagolong Hotel, they look old If it is acceptable to include other places that have been modified (see submission), fail to see why one of the last timber hotels cannot be protected In regard to coffee palace and Briagolong Hotel – There is always only a small proportion of weatherboards with marks on them, they are not consistent across the whole batch of boards – see submission with attached dissertation on Briagolong Redgum weatherboards Anglican Churches Should use Anglican Church Histories in Clark, Albert E. The church of our fathers; being the history of the Church of England in Glppsland, 1847-1947" [Sale, Vic: Diocese of Glppsland], 1947-294 pages Contains a detailed history of the Anglican Church in early Glppsland, containing a history of each parish and of the formation of the Diocese. Briagolong Anzac Park – Preference for all capitals for ANZAC Correction of vanous details regarding O'Nial's Figure H1 – check street name P114 – memorial design is new and original design of W.O. (ret) Neville 	 Consultant responded - photo captions will be corrected Consultant responded - explained it did not meet threshold for local significance due to a number of significant alterations to the building – limited original fabric remains (partly completed citation also provided). Consultant responded - the reference has been used, but not for all the Anglican Churches.

		Gibbins OAM P116 – Juniour Reds – please refer to as Junior Red Cross, photo belongs to Linda, date of 1965 is approximate		
2	#67 - Federal Coffee Palace	 The building's appropriate use is more important than its aesthetic appearance Objects to any type of development controls Some recommendations impractical Appears correct and comprehensive Appears correct and comprehensive No Some guidetines, atthough ideal, are not possible or are impractical due to trinancial considerations Form follows function – aesthetic considerations should not give way to the functionality of the building Pool style fencing and stairs – unreasonable to remove for practical and safety reasons These are latter additions Fence provides a safety barrier to the access of the stairs, provides a measure of privacy and is a deterrent to trespass Similar function to a domestic fence Stairs provide access to residential area and provide fire escape route A wooden fence would look absurd – wrought iron fence would be more aesthetic – need to consider cost Suggestion to paint fence to disguse it –accepted Not economical to remove paint from building Old stables – repains have commenced, shape will not be altered. Suggested use of galvanised iron – accepted Objects to any restrictions imposed on the building except for those related to safety and permitted use 		Officer email response provided - detailing the purpose of the Management Guidelines - explained they are not prescriptive and do not compel the landowner to undertake those works – intended for guidance on how to achieve good outcomes if/when works are undertaken.
3	#21 - Police Station (former)	 Q3 Infill of veranda added in the last few years by former owner Verandah floorings was treated pine decking which had been laid over rotten bearers on the ground – was not original Removed to gain access to the house to lift the house to its original height Intend to replace flooring with timber (as original) No new addition is being constructed - The extension was constructed 	•	Information re historical facts and building features will be considered and incorporated where appropriate Purpose of management guidelines clarified in report. Acknowledgement of

		 between 1950 and 1974 and was in poor condition and was being reclad with sawn timber to match the body of the house. Q4 Figure D2 – Finial not original Figure D3 – Window hoods – latter addition (last 20-25 years by Jack Schultz, former owner) Figure D4 – Stable modified. Has caused deterioration to lower walls. Lock up does not remain on property Q5 More consultation with landowners needed Find possible development restrictions an insult (as they bought house with the intention of restoring) 		work being done by current landowners acknowledged.
4	#14 - Christ Church	 Alter & Baptismal front removed from church on the day it was deconsecrated Both items bore same trefoil motif as pews, pulpit, book rest, bishops chair and bible stand which are still in church Alter now resides at Toongabble Anglican Church & Font at Glengarry Church Baptismal font originally form Church of England which preceded current church Great grandfather, Theodore Gebhart, one of first Cowwarr settlers. It was his relative who made all the matching furniture (Dorothy Andrews, Helen's Great Aunt) – tragedy it has been separated and should be returned and secured in Cowwarr where it was constructed Not in a position to expend funds to restore either building Spent life funds buying both buildings so community could appreciate local heritage - Assistance funds available? 	•	Information re historical facts and building features will be considered and incorporated where appropriate
5	#36 - Youngs Arcade	Verandah was not removed, it was renovated		Information re historical facts and

		 Windows on west façade changed with 1975 renovation 4.1 – Originally these were doors and a window – would need to change back to this, not just windows 4.2 – Comment re timber frame – There is no timber frame? Are you suggesting that window frame painted red would stand out more than the current cream colour? 	building features will be considered and incorporated where appropriate
6	#54 - Stratford Post Office	 Assumption in report that photos dating from 1901-2016 represent original Post office building and roofline designed by J.H.W Pettit There is no photo of the original post office in report as per original plan and construction in 1885 Would be very difficult to return building to original state and still be able to function as a post office (based on original plans and subsequent alteration plans) Example – Look at figure D2 (p. 928) and picture the roofline from that image on the post office in the figure above it (D1). That is what the original plans look like. Council Chambers and post office were both set back from the front of the court house by 2 metres Alteration plans (1887, 1900-01 J.B. Cohen, District Architect) confirm removal of and rebuilding of a new wall 2 metres forward to its present site in Tyers St side. This vasity altered the roofline of the post office viewed from Tyers and Hobson St. Photographs in report do not accurately reflect original design of J.H.W. Pettit Building has had numerous changes including plans of 1952 Changes have been made for operational purposes which are not evident when looking at the building Used to have long verandah along Tyers street Eventually, the walls were removed and verandah disappeared. One window had the PO Boxes in it and the other window was a pay window as for many years the PO paid out pensions A public phone used to be where the front door is now Any recommendations or guidelines need to take into account the nature of the business and the need for flexibility at least while it is a function post office 	 Information re historical facts and building features will be considered and incorporated where appropriate Consultants have reviewed the plans and confirmed there were two early additions onto the 1885 post office. 1887 – verandah (and section removed for following) C1900 – two gabled bays added Owner not obliged to restore the building. Acknowledge function of building is an important consideration.
7	#03 - Bakery	Great to have this document Q5 • Guidelines are good. Will help with damp issues in Bakery. Owner wants to preserve the building • North Side of boundary has no fence due to title change in '96. What would the recommendations be for this type of fencing?	 Information re historical facts and building features will be considered and incorporated where appropriate Consultant contacted land owner regarding appropriate fencing

8	#12 - Coffee Palace (former)	 O4 Small verandah on north side over existing outside door. Very ornate. Had to rectify as very rotten and already failing down. Very dangerous O5 Please keep owner informed of any changes to management guidelines before action to change any existing plans are made If there is a need for further inspections, please contact owner before hand 	•	Information re historical facts and building features will be considered and incorporated where appropriate Landowners will be informed of Council meeting date where final docs will be considered Noted
9	#44 - St Andrews Uniting Church	 Object strongly to inclusion of vacant block to the east of the church being included within Hentage Overlay The block is currently for sale 	•	Noted. Inclusion of vacant block to be discussed with consultant Consultant has excluded the vacant lot to the east from the recommended boundary. It was to retain the views only between the two historically related buildings – the church and the manse. We've retained that this view line is significant in the SoS.
10	#43 - Manse & Cork Oak	No comment	+	Noted
11	#09 - Annie Whitelaw Memorial Grave	No comment		Noted
13	#46 - Mechanics Institute and memorial	Not Memorial – It is Stratford Mechanics Hall and Free Library	•	Information re historical facts and building features will be considered and incorporated where appropriate
14	#1 - St Georges Anglican Church	 P. 12 - Camellia tree was <u>NOT</u> planted in memory of Gladys Tatterson. The white cedar was 'her' tree. A memorial tree was planted in front of the church in 1967 in memory of Mrs Ollie Clarkson (The silver Birch – replaced the original dead tree) The camellia tree was donated in the 1950s by a parishioner leaving the district. Her name is still being investigated. Interior of church is fully lined with original Baltic Pine timber 	•	Information re historical facts and building features will be considered and incorporated where appropriate
15	#42 - St Rose of Lima Church	03	_	

		 Information in citation is accurate 		Noted
16	#10 - Briagolong Uniting Church and Dutch Elm	 The Parish of Stratford Uniting Church have recently decided that this building will be closed as a required building. Intend to sell. 	•	Noted
17	#5 - Boisdale Public Hall and Memorials	Q3 Missing Registered on the National Estate Data Base – No. D18844 Incorrect Under Management Guidelines 2. Alterations additions and new buildings "When viewed from Tyers Street" – Incorrect Should be "When viewed from Main Street"	•	Information re historical facts and building features will be considered and incorporated where appropriate
18	#51 – Bakery, Shop, Residence (former)	O6 Nobody should ask owner to do anything different to their properties than the general populace in town	•	Noted
19	#22 – Heyfield Uniting Church	 Q4 1962 new flooring laid 6" higher than the previous floor Q6 Request that whole block is not included in HO as may need to subdivide to meet cost of any requirements 	:	Feedback noted Explained that overlay would not prevent subdivision and that the management guidelines are not a list of 'requirements' but that they are a guide should the landowner wish to undertake works.
20	#40 – Lyons Street Beautification Trees and Memorial Reserve	No Objection to the Cenotaph being moved Preferred location 25metres south of current location	•	Noted
21	#40 - Lyons Street Beautification Trees and Memorial Reserve	No Objection to moving memorials to accommodate roadworks	•	Noted
22	#37 – St Andrews Uniting Church	 p. 629 Line 7 – 7?Pearson St p. 629 Line 8 – Why is the brick tence significant? When the original was wooden and not H.W. & F.B. Tompkins Design p. 629 Line 38 The 1922 Bell Tower (probably part of the original design but built later) In 1913 History there is no mention of that. Samuel Lees died in 1921 and left money to which Mrs Lees added the rest. When you look at the other 3 churches mention on p. 635 they were all standalone originally. P. 630 The fence? (Don't quite understand) P. 631 The hall has 7A on it P. 634 Vestry is where the organ is, not a vestry Paragraph 3a bout the hall - it was burnt in 1965 bushfires Paragraph about brick fence –built in at least 3 stages. Church gates, Hall gates 1965, Church Street even later p. 635 Line 2 – Thee? P. 630 Last line Vestry is not the vestry 		Information re historical facts and building features will be considered and incorporated where appropriate

P. 641 2nd line (or removed) Last word 1965 P. 645 Line 2 the sub floor vents are beneath the floor P. 646 – signage?	
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ITEM C3.5 POTENTIAL IMPACT OF A NEW GREAT FOREST NATIONAL PARK

DIVISION:	DEVELOPMENT
ACTION OFFICER:	MANAGER ECONOMIC DEVELOPMENT
DATE:	6 SEPTEMBER 2016

	IMPACTS									
Financial	Communication	Legislative	Council Policy	Council Plan	Resources & Staff	Community	Environmental	Consultation	Risk Management	
\checkmark				✓		\checkmark				

OBJECTIVE

To provide Council with details of the potential economic and social impact on Wellington Shire should the Great Forest National Park become a reality.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATIONS

That

- 1. Council note the report into the potential economic and social impact of the Great Forest National Park; and
- 2. Council write to the Premier of Victoria seeking a guarantee that the economic viability of the timber industry will not be jeopardised as a result of the State Government's review into the Victorian timber industry.

BACKGROUND

At the Ordinary Council meeting held on 7 June 2016, Council adopted the following:

That Council:

- 1. Request the CEO prepare a report on the social and economic impact on Wellington Shire should the Great Forest National Park become a reality;
- 2. Request that the Gippsland Local Government Network (GLGN) make a submission to the Victorian Government and the Opposition to ensure that the protection of regional jobs are not threatened by any further expansion of National Parks;
- 3. That the Mayor write to the relevant Victorian Ministers expressing disappointment that Local Government is not represented on the Taskforce looking at the Great Forest National Park, and that the Municipal Association of Victoria (MAV) and/or Timber Towns Victoria (TTV) be offered the opportunity to be part of this taskforce.

Both Items 2 and 3 have been actioned and this Report responds to Item 1.

Central Highland Regional Forest Agreement (RFA) Area

The discovery of colonies of the Leadbeater's Possum in the Central Highlands Forest has prompted a proposal to establish a new national park in Victoria. The proposed park, to be known as the Great Forest National Park (see attachment 1), will encompass much of the Central Highlands Regional Forest Agreement (RFA) area. Native hardwood timber from this RFA supplies many timber processors and users throughout Victoria.

VicForests commissioned Deloitte Access Economics to analyse the net economic benefits (both direct and indirect) of the native timber industry in Victoria. This focussed specifically on the Central Highlands Regional Forest, that is one of the key areas of VicForests' operations and the native timber harvesting industry in Victoria. The Deloitte Report 1, dated October 2015 (attachment 2), stated that the Central Highlands RFA Area consists of 623,000 hectares of public land. More than half of all public land is reserved or not available for timber harvesting, including 30% in National Parks, conservation and other reserves.

The Report states that VicForests currently has access to 303,000 hectares of forest, but only 125,000 hectares is actually suitable for harvesting. Over the last decade, an average of 1,580 hectares of forest per year has been harvested in that area which represents less than 0.3% of the total public land available in the Central Highlands RFA area. The Report then extrapolates this to highlight that the costs and benefits described in the Study are generated from just 1,580 hectares harvested annually and regenerated by VicForests in the Central Highland RFA Area.

Forest Industry Taskforce

In November 2015, the State Government released the terms of reference (attachment 3) for the Forest Industry Taskforce intended to provide 'consensus' recommendations about the future of the timber industry. These issues include job protection, economic activity and protection of unique native flora, fauna and protected species, such as the Leadbeater's possum. The terms of reference were developed by key stakeholders across industry, union movement and forest conservation groups in order to reach a consensus on proposals to be put forward to government.

The Terms of Reference state that the Taskforce will deliver a set of agreed recommendations to Government by the end of June 2016, unless extension is formally and jointly agreed by Government and Taskforce members. Members of the Taskforce were bringing their organisations research and position statements for consideration in developing the Statement of Intent.

The Taskforce consists of a Planning Group, comprising representatives from:

- Construction Forestry Mining and Energy Union (CFMEU)
- Victorian Association of Forest Industries (VAFI)
- The Wilderness Society Victoria (TWS Victoria)

The Taskforce also has a Core Group, that comprises the Planning Group plus representatives of:

- Australian Conservation Foundation (ACF)
- Australian Sustainable Hardwoods (ASH)
- Australian Paper (AP)
- Harvest and Haulage contractors
- CFMEU
- MyEnvironment
- Victorian National Parks Association (VNPA)

The Taskforce website states that the Core Group met on 22 July 2016 to refine the agreed opportunities for change: the establishment of new parks and reserves, threatened species, wood supply security, industry investment and growth, carbon, jobs and regional employment, regulatory revision and reform, the future shape of the industry and the future shape of conservation and the parks system. It is understood that the Statement of Intent has recently been presented to the Premier by the Taskforce. After the Government has considered the Statement and agreement is reached, a series of recommendations will be prepared by the Taskforce. Advice is that this process will take several months to complete.

Potential Economic and Social Impacts - Australian Sustainable Hardwoods (ASH)

REMPLAN economic data (April 2016) states that Forestry and Logging, Sawmill Product Manufacturing and other Wood Product Manufacturing contribute \$98.971 million (2.1%) of total output for Wellington. This is without taking other services and industries into account, such as transport, that support these operations.

Wellington Shire's largest timber manufacturer, Australian Sustainable Hardwoods (ASH), is based in Heyfield, which is highly dependent on the timber industry.

After a period of uncertainty under the ownership of Gunns Timber Products, where the focus was on Gunns' Tasmanian operations, ASH acquired the mill in 2012 and immediately demonstrated significant commitment to acquisition of latest technologies and increased output in delivery of a higher grade and quality product from the available timber resource.

Following acquisition, job numbers increased to the 205 figure quoted in the Deloitte report, as a result of investment and expansion of their Horizontal Finger Joining Line and Laminating facility. Since that time, ASH continues to expand their operations and currently has 230 full-time employees and 31 part-time/casual employees. ASH is also the largest hardwood sawmiller and hardwood processor in Australia, and advice to Council is that ASH has an annual revenue of \$60M.

While the Deloitte Report provided detail on the economic impact on community at the Maffra Statistical Area (SA2) census level, data provided by ASH further breaks employees down by postcode. This data highlights 152 employees are from Heyfield and smaller neighbouring towns, with 58 from the larger towns of Sale, Maffra and Rosedale. A further 23 are located in the areas near Carrajung/Hazelwood where impacts of Latrobe Valley transition from traditional coal industries will also be felt.

The 2011 Census has 296 people registered as being on full-time employment in the Heyfield UCL. Based on the data provided by ASH, and an assumption of the split between full-time and part-time/casual employment, **up to** 44.6% of those on full-time employment in Heyfield UCL could be employed at ASH.

Council has also been advised by ASH that a number of local contractors in the electrical, engineering and transportation industries have a very high proportion of their business generated by ASH. Timber generated by ASH is also used by businesses in Melbourne, totalling over 7000 employees. Any impact to ASH will have a flow on effect to metropolitan businesses.

ASH source 90% of their hardwood timber from VicForests supply derived from Central Highlands RFA and 10% from Tambo with no commercial replacement available for this timber source. ASH operations also supply Australian Paper in Morwell with Mountain Ash chips, and while that represents only five percent of Australian Paper's fibre requirements, another 29 percent of that fibre is sourced direct from VicForests Central Highlands RFA. The Deloitte Report also highlights that the Maffra SA2 and Morwell SA2, representing communities impacted through ASH and Australian Paper, have the highest dependence on the native timber industry for employment in the Central Highlands RFA Area.

The ASH website (www.vicash.com.au) provides information that ASH are proudly third party certified for sustainable and responsible forest practices by the Internationally recognised Programme for the Endorsement of Forest Certification scheme (PEFC). The website states that the combined area of available forest for harvesting and replanting in Victoria equates to 6% of the forest area of 0.075 each year on a sustainably managed, 80 year rotation. The harvesting and replanting process is designed to mimic the natural growth pattern of Victorian ash forests and as such, all the forest values are respected and allowed for.

A copy of the Latrobe City Council Report (attachment 4) presented at their Ordinary Council meeting of 22 August 2016, highlights the potential risk of the proposed Park on Australian Paper and the loss of over 1000 jobs in the Latrobe City.

Other Flow On Impacts if Native Timber Harvesting Not Permitted in Central Highlands RFA Area

Besides potential economic and social impacts already discussed, the Deloitte Report lists impacts and activities that would also flow on from a hypothetical scenario where timber resources located in the Central Highlands RFA Area were no longer vested to VicForests for harvesting. The Report lists the activities that would cease:

- Native timber harvesting
- Native forest management undertaken by VicForests
- Maintenance of access roads to a standard suitable for use by heavy vehicles
- Supply of machinery, personnel and skills for bushfire management
- Access to the knowledge base on the forests currently managed by VicForests, through VicForests staff and forest contractors working regularly in the area.

With limited substitutes available for native timber supplied from the Central Highlands RFA Area, substitutes would likely need to be imported from outside Victoria because:

- Native timber harvesting may not be practical to a meaningful extent in any other areas of Victoria.
- If native timber harvesting were permitted in other parts of Victoria, these areas would not contain the same eucalypt species (Mountain Ash in particular). These would be located too far from current mills to harvest and haul, and relocating mills would not be financially feasible.
- Plantation timber within Victoria is grown almost exclusively for its pulping properties and generally suitable for paper and low grade pallets, and therefore not a perfect substitute for native timber.

This report specifically addresses the first part of the Council motion of 7 June 2016 on the potential social and economic impact should the Great Forest National Park become a reality and ASH cannot source Mountain Ash from the Central Highlands RFA. With no commercial replacement available, there is a significant risk that the mill would close with the loss of over 230 full-time jobs in the region and a significant impact on other businesses, particularly in the Heyfield area.

In accordance with the second part of the motion, a request has been made to GLGN to make a submission to the Victorian Government and the Opposition to ensure that the protection of regional jobs are not threatened by any further expansion of National Parks.

In accordance with the third part of the motion, a letter was sent to the Minister for Energy, Environment and Climate Change on 4 July 2016 expressing Council's concerns to ensure that the protection of regional jobs are not threatened. The letter also strongly requested that MAV and/or Timber Towns Victoria be provided with an opportunity to be an active partner (attachment 5).

OPTIONS

Council has the following options:

- Note the report into the potential economic and social impact of the Great Forest National Park; write to the Premier of Victoria highlighting the importance of the timber industry to the social and economic fabric of Wellington Shire and request a guarantee that the economic viability of the timber industry will not be jeopardised as a result of the State Government's review of Victoria's timber industry; or
- 2. Note the report into the potential economic and social impact of the proposed Great Forest National Park and take no further action prior to the review of the recommendations of the Taskforce report; or
- 3. Request further information.

PROPOSAL

That Council:

- 1. Note the report into the potential economic and social impact of the Great Forest National Park; and
- 2. Write to the Premier of Victoria highlighting the importance of the timber industry to the social and economic fabric of Wellington Shire and request a guarantee that the economic viability of the timber industry will not be jeopardised as a result of the State Government's review of Victoria's timber industry.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

FINANCIAL IMPACT

Should the proposed Park be approved, there is a risk of potential closure of ASH as a result that ASH cannot source any other commercial alternative to the timber resource.

COUNCIL PLAN IMPACT

The Council Plan 2013-17 Themes Leadership and Engagement; Natural Environment; and Economy state the following strategic objectives and related strategies:

Strategic Objective

"Our community is informed about Council business and is involved in Council decision making. Council advocates on behalf of the community."

Strategy 1.5

"Advocate on the community's behalf to State and Federal agencies, the private sector and industry on a range of issues relevant to Wellington Shire Council."

Strategic Objective

"A community focussed on sustainable living and the future protection of Wellington's Natural Environment."

Strategy

"Support a coordinated and diverse approach to developing a sustainable environment through partnerships."

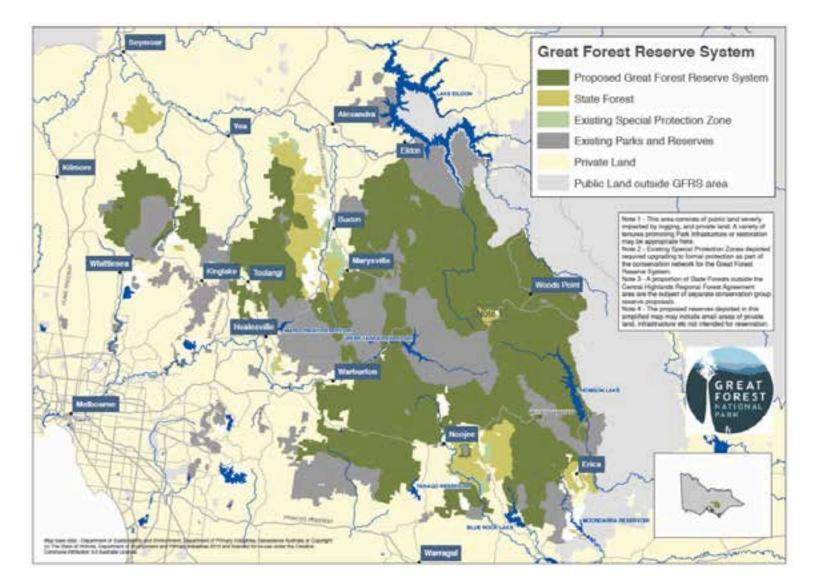
Strategic Objective

"Supported business growth and employment, lifestyle opportunities and a vibrant tourism sector."

Strategy 6.1

"Support business growth to align with the competitive strengths of the region."

ATTACHMENT 1



Deloitte Access Economics

Economic assessment of the native timber industry in the Central Highlands RFA Area

Report 1 – Economic and financial impact

VicForests

October 2015



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Glossary

ABARES	Australian Bureau of Agriculture and Resource Economics and Sciences
ABS	Australian Bureau of Statistics
Central Highlands RFA Area	Comprises the SA2s within the Central Highlands RFA Area that contain Suitable Forest Area, a customer that is supplied by the Central Highlands RFA Area and is located within the Central Highlands RFA Area
CPI	Consumer price index
DAE	Deloitte Access Economics
DAE-RGEM	Deloitte Access Economics - Regional General Equilibrium Model
DEDJTR	Department of Economic Development, Jobs, Transport and Resources
DELWP	Department of Environment, Land, Water and Planning
FTE	Full-time equivalent
GDP	Gross domestic product
ha	Hectares
Impacted Community	Comprises of the Central Highlands RFA Area and communities outside of the Central Highlands RFA Area where direct customers of VicForests' timber from the Central Highlands RFA Area are located
RFA	Regional Forest Agreement
SA2	Statistical Area Level 2
Suitable Forest Area	Subset of the Working Forest Area that is suitable for timber harvesting (for example, not on a slope, near a river, etc.)
Working Forest Area	Area vested to VicForests

Deloitte Access Economics

Executive Summary

This Study shows that in 2013-14, as a result of the VicForests' operations and the native timber harvesting in that year in the Central Highlands RFA Area, \$357 million of Gross Regional Product (GRP) was added to the Victorian economy.

This \$357 million in GRP reflects, amongst other things, \$573 million in revenue earned by VicForests (\$76 million) and its direct customers (\$497 million) in the Impacted Community.

The activity resulted in the direct employment of 2,117 full time equivalent workers within the Impacted Community, including 281 full time equivalent workers directly employed by VicForests and its contractors.

Background and Context

This study is a fact-based analysis of the net economic benefits (both direct and indirect) of the native timber industry in Victoria. It focuses specifically on the Central Highlands Regional Forest Agreement (RFA) Area, which is one of the key areas of VicForests' operations and the native timber harvesting industry in Victoria.

The Central Highlands RFA Area extends from the Hume Highway in the west, to the Goulburn River in the north, the Goulburn and Thomson Rivers in the east and the Princes Highway in the south and includes towns such Alexandra, Marysville, Kinglake, Whittlesea, Healesville, Powelltown, Noojee and Yarra Glen.

The Central Highlands RFA Area consists of 623,000 hectares of public land¹. More than half of all public land is reserved or not available for timber harvesting, including 30% in National Parks, conservation and other reserves.

VicForests currently has access to 303,000 hectares of forest, of which 125,000 hectares (or 20% of the area allocated to VicForests) is suitable for harvesting. Over the last decade, VicForests has harvested an average of 1,580 hectares of forest per year in the Central Highlands RFA Area. This is less than 0.3% of the total public land in the Central Highlands RFA Area.

Accordingly the costs and benefits described throughout the Study are generated annually from just 1,580 hectares harvested and regenerated by VicForests in the Central Highland RFA Area.

Study Approach

The Study considered only the Central Highlands Regional Forest Agreement (RFA) Area community, and the broader community whose economy is reliant on timber from this region (the impacted Community) (see Figure i).

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¹ Source: VicForests Analysis of the DELWP-owned Corporate Geospatial Data, PLM25 and FMZ100 (Public Land Management 1:25,000 and Forest Management Zones 1:100,000 Last Updated: October 2014)

Deloitte Access Economics has used its Regional General Equilibrium Model (DAE-RGEM) to estimate the net regional economic impact of the native timber industry in the Central Highlands RFA Area relative to a counterfactual scenario where there is no industry. This model captures the direct impacts of VicForests' operations and its flow on implications for the rest of the economy as well as the fact that labour and capital resources the native timber operations would not be available for activity elsewhere in the economy.

Findings - Direct² impacts

In 2013-14, VicForests' activity in the Central Highlands RFA Area directly generated \$76 million in revenue to VicForests.

The direct revenue from VicForests' operations in the RFA Area is forecast to grow to \$148.9 million (in nominal terms) within 10 years, extrapolating on VicForests forecast volumes and prices.

The activity resulted in the direct employment of 2,117 full time equivalent workers, including 281 full time equivalent workers directly employed by VicForests and its contractors.

Findings - Total regional economic impacts

Deloitte Access Economics has modelled the broader impacts of the native timber industry on the Impacted Community and the rest of Victoria, relative to the counterfactual (the hypothetical world without the industry). Under the counterfactual the direct revenue of \$573 million earned by VicForests (\$76 million) and its direct customers (\$497 million) in the Impacted Community is lost, with the labour and capital resources being made available for other, less productive uses in the economy.

The results of the modelling show that relative to the counterfactual, in 2014, Victoria's Gross Regional Product (GRP) is estimated to be \$357 million higher and employment is 2,036 FTEs higher, relative to the counterfactual scenario (no native timber harvesting in the Central Highlands RFA Area).

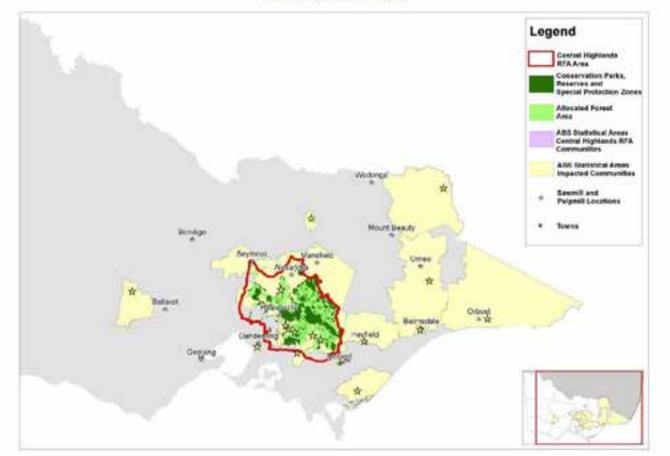
	Impacted Community	Rest of Victoria (excl. Impacted Community) ³	Whole of Victoria
Gross Regional Product (GRP)	\$327 million	\$30 million	\$357 million
Employment (FTE)	1,953 FTE	83 FTE	2,036 FTE
Wage rate	2.21%	0.03%	N/A

Table i: Total regional economic impacts (relative to the counterfactual in 2014)

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² The term 'direct' in this report refers to the activities of VicForests, its contractors and customers. It excludes activities of businesses in manufacturing and downstream processing that may be linked to the native timber industry in the Central Highlands RFA Area.

¹ The impact associated with those whose employment is directly attributable to the native timber industry in the Central Highlands RFA Area but who are located in metropolitan Melbourne is included in the impacted Community results.





Source: VicForests

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1 Introduction

1.1 The native timber industry in Victoria

VicForests is a state-owned enterprise, established in 2003 under the State Owned Enterprises Act 1992. It is operated on a commercial basis to deliver economic returns to Victoria over the long term. VicForests is vested the timber resources of approximately 26% of Victoria's public native forest area (equivalent to 1.8 million hectares of State Forest), for the purposes of harvest, sale and regeneration. Access to timber resources is legislated through the Sustainable Forests (Timber) Act 2004 and the publication of an Allocation Order.

VicForests is required to comply with the Code of Practice for Timber Production 2014 to ensure that timber harvesting and associated activities are compatible with the conservation of a range of forest values. VicForests is also certified to the Australian Forestry Standard and is currently working toward Forest Stewardship Council certification. Both certification schemes provide assurances that forest management activities give consideration to environmental, social and economic criteria based on independently verified and globally recognised standards.

1.2 About this study

This study aims to provide a reference point for key stakeholders in the Victorian native timber industry more broadly, with analysis that can be used in the public domain to inform discussion about the current and future scope of the industry.

The Study is being completed in two parts. This first report focuses on the financial and broader economic impacts of VicForests' operations in the Central Highlands RFA Area. A second report, which will be released later in 2015, will consider environmental and social impacts – including effects on water yields, carbon and fire – of VicForests' operations.

The Central Highlands Regional Forest Agreement (RFA) Area is one of five key areas in which VicForests operates, and includes a diverse range of forest values, including water catchments, flora and fauna, tourism, recreation and other non-timber product industries. The Central Highlands RFA Area extends from the Hume Highway in the west to the Goulburn River in the north, the Thomson River in the east and the Princes Highway in the south, and for the purpose of quantifying economic impacts, has been approximated using ABS Statistical Area Level 2 (SA2) blocks, the smallest level at which economic data is readily available.

This holistic approach to evaluating the costs and benefits of the industry more directly communicates the key economic impacts of the industry in the Central Highlands RFA Area and broader community reliant on the Central Highlands RFA Area. It is hoped that the results of this analysis will create and inform engagement with the State Government, industry, academia and general public.

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Deloitte Access Economics has primarily relied on the data and information provided by VicForests.

The remainder of this report is structured as follows:

- Chapter 2 presents an economic profile of the Central Highlands RFA Area, and the
 various public land tenures within the Central Highlands RFA Area, illustrating the land
 available for harvesting. It also defines the 'native timber industry' for the purposes of
 the study; the two study areas (the Central Highlands RFA Area Community and the
 Impacted Community), discusses the structure and nature of the Australian forest
 product industries, and outlines the likely scenario of the industry in the future, and
 timeframe for analysis.
- Chapter 3 describes the world without the native timber industry in the Central Highlands RFA Area, which is necessary to determine the impacts of the industry and is used in the DAE-RGEM modelling.
- Chapter 4 examines the economic benefits and costs of the native timber industry.
- Chapter 5 presents the results of the DAE-RGEM modelling, and illustrates the flow-on impacts of the native timber industry, in comparison to the counterfactual.

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2 Background and Scope

This chapter outlines the broad economic profile and public land tenure of the Central Highlands RFA Area. It defines the native timber industry for the purposes of this study and the activities included in the definition. This provides the background and context to inform the description of the two study areas of interest – the Central Highlands RFA Area Community and the Impacted Community.

2.1 Economic profile of the Central Highlands RFA Area Community

The Central Highlands RFA Area Community⁶ has a population of approximately 97,000, which is equivalent to 1.8% of the total Victorian population, and is characterised by a relatively low unemployment rate (6.1% for the December quarter 2014, compared to 6.6% for all of Victoria; Department of Employment, 2015), and a relatively high labour force participation rate (65.9% at the time of the 2011 Census, compared to 64.8% for all of Victoria). The key economic statistics of the Area are presented in Table 2.1.

Measure	Central Highlands RFA Area Community	All of Victoria
Population	97,411	5,354,039
Unemployment rate	6.1%	6.6%
Labour force participation rate	65.9%	64.8%
Employment (number of jobs in the region)	23,642	2,451,896
Tertiary qualification (% of workforce in the region)	35.2%	37.6%
Major industry employment (% of all employment in t	he region)	
Accommodation and food services	11.7%	6.1%
Education and training	11.6%	8.2%
Retail trade	10.5%	11.0%
Construction	9.9%	8.2%
Agriculture, forestry and fishing	9.9%	2.2%

Table 2.1: Key statistics for the Central Highlands RFA Area Community

Source: A85 Census 2011, Department of Employment 2015

There are a total of 23,642 jobs located within the Central Highlands RFA Area Community, including individuals that may live outside the Central Highlands RFA Area Community but work in it, but excluding individuals that live in the Central Highlands RFA Area Community

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¹ The Central Highlands RFA Area Community is an approximation of the Central Highlands RFA Area, through the use of ABS Statistical Area Lavel 2s, the smallest area at which economic data is broadly available. The SA2's included are: Alexandra, Mansfield, Upper Yarra Valley, Yea, Mount Baw Baw Region, Kinglake, Wallan, Whittlesea, Healesville – Yarra Glen, Yarra Valley, Emerald – Cockatoo, Seymour Region. More detail about the study area is provided in Section 2.4.

but work outside of it. Of those employed in the region, 35.2% have a tertiary qualification, which is lower than Victoria as a whole (37.6%). This indicates that there is a relatively strong labour market in the region, but employment opportunities have relatively lower skill requirements.

The agriculture, forestry and fishing industry (9.9%) and the accommodation and food services (11.7%) industries comprise a larger proportion of the Central Highlands RFA Area economy, as measured by percentage of total employment, than Victoria overall (2.2% and 6.1% respectively), suggesting a high reliance on primary industries and tourism.

2.2 Public land tenure in the Central Highlands RFA Area

The Central Highlands RFA Area was selected as the focus of the study because it is one of five key areas in which VicForests operates, and includes a diverse range of forest values, including water catchments, flora and fauna, tourism, recreation and other non-timber product industries.

Within the Central Highlands RFA Area, there are a variety of different public land tenures, which are available for different uses. The Central Highlands RFA Area consists of approximately 623,000 hectares of Public Land and broadly composes the follow land management types (as described by the Department of Environment, Land, Water and Planning (DELWP)):

- 1. National Parks Act and Nature Conservation Reserves,
- 2. Other Parks and Conservation Reserves
- 3. State Forest, and
- 4. Other public land (including Commonwealth and Leasehold land)

Collectively, the forest reserve system within the Central Highlands RFA Area represents 44% of the Total Public Land, comprising 30% of National Parks and Conservation Reserves and 14% Special Protection Zones across State Forest areas.

The remainder of the area comprises of Other Public Land (7%) and State Forest that is considered suitable (about 125,000 hectares or 20% of the public land estate). Approximately 29% of the public land estate is unsuitable for timber production mainly due to further regulatory and operational constraints imposed by the Code of Practice for Timber Production (2014) or non-merchantability factors associated with the forest types.

Chart 2.1 shows the breakdown of the broad forest management categories within the Central Highlands RFA Area.

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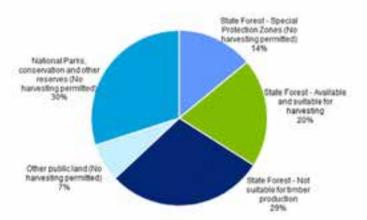


Chart 2.1: Public land tenure in the Central Highlands RFA Area

Source: VicForests Analysis of the DELWP-owned Corporate Geospatial Data, PLM25 and FMZ100 (Public Land Management 1:25,000 and Forest Management Zones 1:100,000 Last Updated: October 2014)

Over the last decade, VicForests has harvested and regenerated on average 1,580 hectares of forest per year in the Central Highlands RFA Area, which is less than 0.3% of the total public land in the area.

The current forest area available to VicForests, along with the proportion of that area suitable for harvesting and the average area harvested each year by VicForests are described in in Table 2.2.

2.3 Definition of the 'native timber industry' for this study

For the purposes of this study, the 'native timber industry' is defined by the activities that VicForests is authorised to undertake in accordance with its Order in Council 2003 and the primary processing activities undertaken by customers that are supplied native timber by VicForests directly, from the Central Highlands RFA Area.

The native timber industry activities considered are:

- Forest Management and Planning services, including timber resource estimation, regulatory compliance planning and monitoring, biodiversity planning and surveillance, forest research
- Timber Product Sales services, including sale of seed and commercial firewood
- Timber Product Harvesting services including timber harvest, stand tending and forest road construction
- Timber Product Haulage and Supply services, including road maintenance services and log storage

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- Timber Regeneration Activities, including Seed Collection, storage and supply services, Site preparation services, Site Establishment planting and sowing, pest, disease and weed prevention or management and Site Stocking Surveys and rehabilitation services
- Primary Processing of timber products; including milling of sawn timber, firewood
 production, wood chip and pulp production.

Secondary processors and other downstream activity are not included in the definition of the native timber industry for the purposes of this study.

Measure (within the Central Highlands RFA Area)	Area (Hectares)	% of Public Land
Total Public Land including all reserves	623,000	100%
National Parks, Conservation Reserves and other State forest reserves (no timber harvesting permitted)	186,000	30%
State forest - Special Protection Zone (no timber harvesting permitted)	87,000	14%
Other Public Land	43,000	7%
Working Forest Area (area of State forest potentially available for timber harvesting – includes both suitable and unsuitable forest)	303,000	49%
Suitable Forest Area i.e. the subset of the Working forest area that is suitable for timber harvesting (for example, not on a slope, near a river, etc.)	125,000	20%
Total Harvested area (average, last 10 years)	1,580	0.3%

Table 2.2: Key measures of the Central Highlands RFA Area

Source: VicForests Analysis of the DELWP-owned Corporate Geospatial Data, PLM25 and FM2100 (Public Land Management 1:25,000 and Forest Management Zones 1:100,000 Last Updated: October 2014)

2.4 Study area

This study looks at two areas:

- 1. The Central Highlands RFA Area Community
- 2. The Impacted Community.

These areas are described in more detail below.

2.4.1 Central Highlands RFA Area Community

The Central Highlands RFA Area is one of five key areas in which VicForests operates, and includes a diverse range of forest values. The Central Highlands Forest Management Plan (1998) was developed for the Central Highlands RFA Area, to address conservation and resource use requirements. This includes the Flora and Fauna Guarantee Act 1988, the Government's commitments under the National Forestry Policy Statement (1992), sawlog and pulplog licence commitments at the time, and the sustainable yield requirements of the Forests Act 1958.

The Central Highlands RFA Area extends from the Hume Highway in the west to the Goulburn River in the north, the Thomson River in the east and the Princes Highway in the south, and is covered by 20-year Regional Forestry Agreements for the conservation and sustainable management of Australia's native forests. For the purpose of the economic impact assessment, the Central Highlands RFA Area has been approximated using ABS Statistical Area Level 2 (SA2) blocks, the smallest level at which economic data is readily available. This collection of SA2s is referred to as the 'Central Highlands RFA Area Community'.

There are 12 SA2s that will be included in the Central Highlands RFA Area Community, which were selected based on the following criteria:

- An SA2 that contains Suitable Forest Area within the Central Highlands RFA Area or
- An SA2 that contains a customer that is supplied by the Central Highlands RFA Area, and is located within the Central Highlands RFA Area
- An SA2 that is in the metropolitan Melbourne area is excluded, even if it has a customer located in it.

Hence, the SA2s in the Central Highlands RFA Area Community are:

 Alexandra, Mansfield, Upper Yarra Valley, Yea, Mount Baw Baw Region, Kinglake, Wallan, Whittlesea, Healesville – Yarra Glen, Yarra Valley, Emerald – Cockatoo and Seymour Region.

There are some SA2s with boundaries that extend beyond the Central Highlands RFA Area. However, if they meet the above criteria, they are included in the Central Highlands RFA Area Community.

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Economic contribution of the native timber industry in the Central Highlands RFA Area

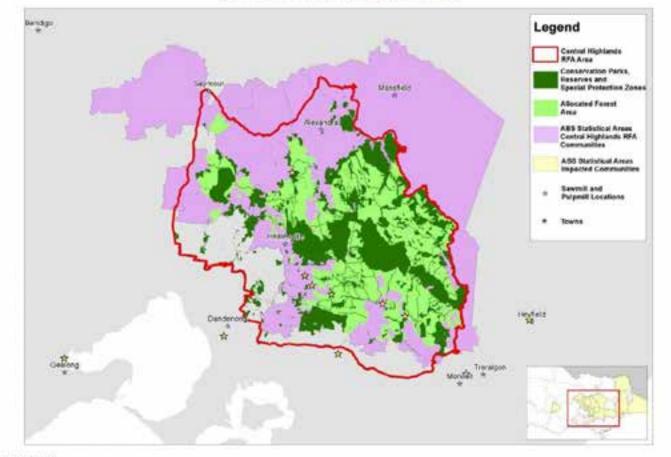


Figure 2.1: Central Highlands RFA Area Community

Source: Victorests

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Economic contribution of the native timber industry in the Central Highlands RFA Area

2.4.2 Impacted Community

The Impacted Community comprises of the Central Highlands RFA Area Community and communities outside of the Central Highlands RFA Area where direct customers of VicForests' timber from the Central Highlands RFA Area are located. The concept of the Impacted Community is used to ensure the study accurately captures the nature of the industry. The majority of VicForests' primary processing customers are located outside the Central Highlands RFA Area, in regional towns and other centres. Thus these communities are directly impacted by the activity of the native timber industry within the Central Highlands RFA Area.

The Impacted Community has also been approximated using SA2s. There are 22 SA2s that will be included in the Impacted Community, which were selected based on the following criteria:

- An SA2 that contains Suitable Forest Area within the Central Highlands RFA Area
- An SA2 that contains industry employment (whether that be a VicForests employee, contractor or customer employee), regardless of whether that employment is located within the Central Highlands RFA Area or not
- An SA2 that is in the metropolitan Melbourne area is excluded from the Impacted Community, even if a customer is located within it, but is included in the Rest of Victoria analysis in Chapter 5.

The SA2s in the Impacted Community are:

 Alexandra, Emerald – Cockatoo, Towong, Bairnsdale, Healesville - Yarra Glen, Upper Yarra Valley, Beaufort, Kinglake, Wallan, Benalla, Morwell, Whittlesea, Bruthen – Omeo, Mount Baw Baw Region, Yarra Valley, Creswick – Clunes, Orbost, Yea, Drouin, Seymour Region, Mansfield and Yarram.

The analysis of the Impacted Community also includes the smaller levels of direct employment at specific employers (Australian Paper and Dormit) that are located outside of these SA2s. This is because these jobs will be directly impacted by the counterfactual scenario. However, the SA2s that these employees are located in are considered outside the Impacted Community for the purposes of this analysis, as the activity of the native timber industry is only a small fraction of overall economic activity in those areas.

A map of the Impacted Community SA2s is presented in Figure 2.2, and includes the working and suitable forest areas, and the location of VicForests customers that are supplied from the Central Highlands RFA Area. The following details have been included:

- Boundary of the Central Highlands RFA Area, as defined by the RFA
- Central Highlands RFA Area working forest area, which is the area vested to VicForests
- Central Highlands RFA Area suitable forest area, which is the subset of the Working forest area that is suitable for timber harvesting (for example, not on a slope, near a river, etc.)
- Central Highlands RFA Area harvesting history, which illustrates the areas that have been harvested by VicForests over the last decade
- Location of customers supplied by the Central Highlands RFA Area
- Boundary of the Impacted Community, as defined by the 22 SA2s.

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Economic contribution of the native timber industry in the Central Highlands RFA Area

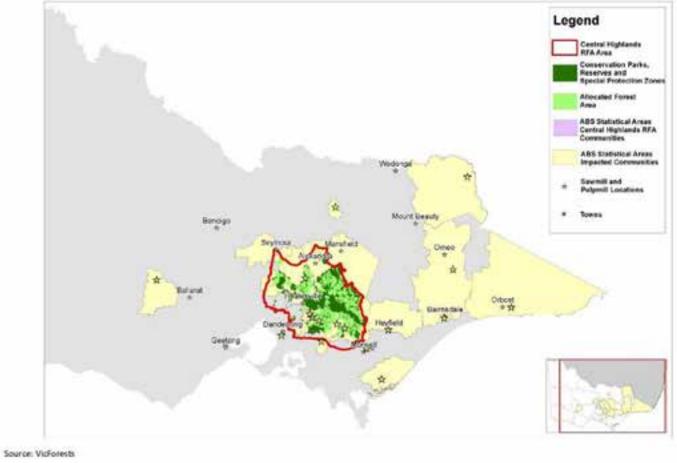


Figure 2.2: Impacted Community

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3 Counterfactual

The impacts attributable to the native timber industry in the Central Highlands RFA Area are the difference, or delta, between the world with native timber harvesting within the Central Highlands RFA Area and the world without native timber harvesting within the Central Highlands RFA Area. To distinguish between the two, the world without native timber harvesting is referred to as the *counterfactual*.

For the purposes of the total regional economic analysis and DAE-RGEM modelling (Chapter 5) the counterfactual in this study is defined as the removal of native timber harvesting as an allowable activity in state forests in the Central Highlands RFA Area. In this hypothetical scenario, the timber resources located on land currently classified as General Management Zones or Special Management Zones, would be no longer vested to VicForests for the purpose of timber harvesting. The forests are assumed to be managed as Crown Land (as State forests, or parks and conservation reserves).

Greater detail on the activities that would cease in the Central Highlands RFA Area is provided in Appendix C. In brief the activities that would cease are:

- Native timber harvesting
- Native forest management undertaken by VicForests
- Maintenance of access roads to a standard suitable for use by heavy vehicles
- Supply of machinery, personnel and skills for bushfire management
- Access to the knowledge base on the forests currently managed by VicForests, through VicForests staff and forest contractors working regularly in the Central Highlands RFA Area.

There are limited substitutes available for native timber supplied from the Central Highlands RFA Area. Substitutes would likely need to be imported from outside Victoria because:

- Native timber harvesting may not be practical to a meaningful extent in any other areas of Victoria
- If native timber harvesting were permitted in other parts of Victoria, these areas of Victoria would not contain the same eucalypt species (Mountain Ash in particular), would be located too far from the current mills to harvest and haul, and relocating mills would not be financially feasible
- Plantation timber within Victoria is grown almost exclusively for its pulping properties and generally suitable for paper and low grade pallets, and therefore not a perfect substitute for native timber.

Greater detail on substitutes for native timber is provided in Appendix C, with reference to Poyry (2011).

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4 Direct impacts

This chapter describes the direct impacts of the native timber harvesting industry in the Central Highlands RFA Area Community and Impacted Community, in terms of the economic benefits and costs.

4.1 Economic benefits and costs

The economic benefits and costs of the native timber industry are described in this section, in terms of:

- VicForests' revenue and expenses in the Central Highlands RFA Area
- VicForests' employment in the Central Highlands RFA Area
- Direct native timber harvesting industry employment in the Central Highlands RFA Area and Impacted Communities.

These direct economic impacts are an input to the regional impact analysis and DAE-RGEM modelling, the results of which are described in Chapter 5.

4.1.1 VicForests' revenue and expenses

In 2013-14, the Central Highlands RFA Area generated \$76 million in revenue, and expenses of \$69 million. The revenue from the Central Highlands RFA Area, using the national forest industry's average ratio of value add to production, is equivalent to \$26 million in value added, which represents the value of the goods and services produced by the industry (the output of an industry less its intermediate inputs).⁴

Table 4.1 presents key VicForests financial data disaggregated for the Central Highlands RFA Area. Revenue from the Central Highlands RFA Area (\$76 million) comprises 73% of VicForests' total revenue.[®] The average annual growth rate between 2008-09 and 2013-14 for the Central Highlands RFA Area is also presented, to illustrate trends over time.

Item	Central Highlands RFA Area (2013-14)	Central Highlands RFA Average annual growth rate (2008-09 to 2013-14)
Total sales of forest products	\$76,175,260	2.8%
Total expenses (including employee and contractor expenses)	\$68,875,934	1.9%

Table 4.1: Financial data summary

⁵ This is calculated using the industry average value added in forest product industries (34%), based on the ABS Input-Output tables. These are described in further detail in Appendix A.

⁶ Total VicForests revenue for 2013-14 financial year was \$104.3 million, as reported in the VicForests Annual Report 2014.

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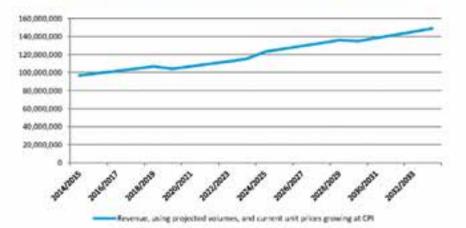
Item	Central Highlands RFA Area (2013-14)	Central Highlands RFA Average annual growth rate (2008-09 to 2013-14)
Fixed assets expenditure	\$273,530	
Volume sold	823,203 m ³	9.1%
Source: VicForests.	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	

Source: VicForests

4.1.1.2 VicForests' revenue projections

Future VicForests revenue was projected using the data provided by VicForests and the assumptions made about the likely future scenario of the industry (as described in Appendix B), and is presented in Chart 4.1.

Chart 4.1: Projected revenue (from projected volumes, nominal dollars)



Source: VicForests. Note: CPI is assumed to be 2.5% per annum. There is a large gap between the 2013-14 revenue and the 2014/15 revenue. This is because the 2013-14 revenue figure in the previous section relates to financial statements and actual revenues, whilst the 2014/15 projected revenue is based on budgeted volumes that may or may not be realised, dependent on whether customers are supplied all of their contracted volume.

The analysis estimates that in 2023-24, VicForests revenue from the Central Highlands RFA Area will be \$148.9 million in nominal terms, based on projected volumes.

This revenue projection is illustrative, and is based on projected volumes (as opposed to VicForests financial data). Thus, the starting points for the revenue projection and financial data do not perfectly align, due to differences in the year of analysis (2013-14 for the financial data, and 2014-15 for the projected volumes data), and timing differences in when sales occur, revenue is recognised and timber is harvested. However, these differences will not impact on the total regional economic impact analysis (Chapter 5), which relies on 2013-14 financial data as its starting point. In addition, the projected revenue presented here assumes that the mix of species (Ash and mixed species) and timber grades sold to customers will remain constant over time, and that prices grow at the rate of CPI.

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4.1.2 Employment

Native timber harvesting in the Central Highlands RFA Area supports employment both within and outside the Central Highlands RFA Area.

The total number of direct FTE jobs linked to the industry within the Central Highlands RFA Area Community and the Impacted Community including VicForests' staff, contractors and customers is 2,117 (Table 4.2).

Table 4.2: Total direct employment

	Employment (FTE)
Employment by SA2s within the Central Highlands RFA Area Community	405
Employment by SA2s within the Impacted Community, excluding the Central Highlands RFA Area Community	1,285
Other directly impacted employment located outside the Impacted Community	427
Total Direct Employment	2,117

Source: VicForests, DED/TR

4.1.3 VicForests' employment

Of the total VicForests employment, 33 FTE are based in the Central Highlands RFA Area'. In addition, 28.6 FTE are head office staff (defined as the executives, senior managers and support staff) have been allocated to the Central Highlands RFA Area on the basis of revenue (the proportion of all VicForests revenue that is Central Highlands RFA Area revenue), as reported in VicForests' 2014 Annual Report.

4.1.4 Direct native timber harvesting industry employment

Beyond the employment that VicForests provides, there is employment by customers and contractors of VicForests. This employment may be located within Central Highlands RFA Area Community or the Impacted Community. The direct impact of employment in these groups and their effect on the community is considered in this section, and the flow-on impacts of direct native timber harvesting industry employment are explored in Chapter 5.

Employment by SA2s within the Central Highlands RFA Area Community (Table 4.3) and within the Impacted Community (Table 4.4) is presented below.

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In 2013-14, VicForests employed a total of 98.3 full-time equivalent workers.

SA2	VicForests/ Contractor Employment (FTE)	Customer Employment (FTE)	Total (FTE)	% of all employment in SA2
Alexandra	80.8		80.8	3.3%
Mansfield (Vic.)	2.1	54 - C	2.1	0.1%
Upper Yarra Valley	24.0	3	24.0	119.9% [®]
Yea	24.5	15.0	39.5	3.8%
Mount Baw Baw Region	100.1	53.0	153.1	10.4%
Kinglake	21.8	2.5	21.8	3.3%
Wallan	11.1	1	11.1	0.7%
Whittlesea	3.2	25	3.2	0.2%
Healesville – Yarra Gleri	0.6	5 4	0.6	0.0%
Yarra Valley	12.7	56.0	68.7	2.3%
Emerald – Cockatoo	0.2	25	0.2	0.0%
Seymour Region ⁸	0.0	0.0	0.0	0.0%
Total	281.0	124.0	405.0	1.9%

Table 4.3: Employment by SA2s within the Central Highlands RFA Area Community

Source: VicForests, DEDITR, ABS Gensus 2011. Note: VicForests/Contractor Employment is based on the distribution of harvesting over the last 10 years, and attributing employment proportionately. Customer Employment is based on the SA2 the customer is located in, rather than harvesting history. No harvesting occurred in the Seymour Region SA2 in the last decade. Percentage of all employment calculated using ABS 2011 Census Place of work data.

The final column, percentage of all employment in the SA2 that is native timber industry employment (as defined in this study) provides an indication of the level of dependence a community (an SA2) has on the native timber industry.

Table 4.4: Direct employment located outside the Central Highlands RFA Area Community

SA2	Customer Employment (FTE)	% of all employment in SA		
Bairnsdale	13	0.2%		
Beaufort ¹⁰	N/A	N/A		
Benalla	36	0.8%		
Bruthen - Omeo	18	1.2%		

^{II} This is greater than 100% because VicForests employment has been allocated to SA2s based on harvesting history, which total employment in a SA2 is based on ABS 2011 Census Place of work data, which shows only 20 people employed in the Upper Yarra Valley SA2.

⁹ No harvesting occurred in the last decade in the Seymour Region SA2, however, it does contain suitable forest area, and hence is included in the Central Highlands RFA Area Community.

¹⁰ There is one customer located in Beaufort SA2, however, no employment data for this customer was available.

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SA2	Customer Employment (FTE)	% of all employment in SA2
Drouin	9	0.3%
Maffra	205	6.0%
Morwell	895	10.2%
Orbost	81	3.6%
Towong	16	0.8%
Yarram	12	0.7%
Sub-total	1,285	1.4%
Other directly impacted e	mployment located outside the In	npacted Community
Metropolitan Melbourne	427	Less than 0.1%
Total	1712	Less than 0.1%

Source: VicForests, DED/TR, ABS Census 2011.

Notes:

 Customer Employment is based on the SA2 the customer is located in, rather than harvesting history. Percentage of all employment calculated using ABS 2011 Census Place of work data.

 895 jobs at the Australian Paper site at Maryvale (Morwell SA2) have been included in the direct employment figures as Poyry (2011) concludes there is no commercially viable replacement for the fibre sourced directly from VicForests. Australian Paper also employs 355 people in metropolitan Melbourne.

Looking at the Impacted Community, Maffra SA2 and Morwell SA2 have the highest dependence on the native timber industry for employment, as measured by the percentage of all employment in the SA2 in the native timber industry. This is the result of two large customers, Australian Sustainable Hardwoods and Australian Paper, being located in these SA2s.

Figure 4.1 illustrates the percentage of SA2 employment that is part of the native timber industry in the Impacted Community, and thus the areas of Victoria that are most reliant on the industry for employment.

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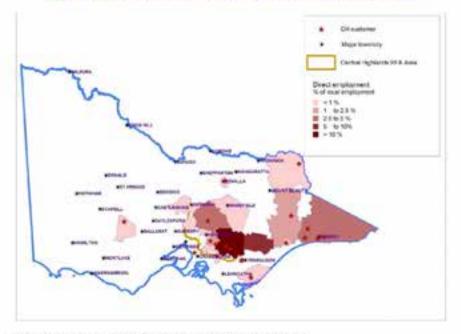


Figure 4.1: Reliance on the native timber industry for employment by SA2

Source: VicForests, DEDJTR (2014), Deloitte Access Economics calculations.

This section has shown the reliance of different parts of the Impacted Community on the native timber industry for employment. The level of reliance varies greatly across SA2s, and in part depends on the relative size of a SA2s economy. For instance, the Upper Yarra Valley SA2 has a very high reliance on the industry for employment, driven in part by the very small employment base in that SA2. On the other hand, the Yea SA2 has a similar number of FTEs in the native timber industry, but significantly less reliance on the native timber industry for employment.

4.2 Summary of direct benefits and costs

In summary, \$573 million in revenue was generated by VicForests and its contractors (\$76 million) and its direct customers (\$497 million) in the Impacted Community in 2013-14.

This activity resulted in the direct employment of 2,117 full time equivalent workers, including 281 full time equivalent workers directly employed by VicForests and its contractors.

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5 Total regional economic impacts

This chapter presents the total regional economic impacts of the native timber industry on the impacted Community over time, through the use of Computable General Equilibrium (CGE) modelling. CGE modelling allows the total regional economic impacts of the native timber industry to the impacted Community and the rest of Victoria to be quantified.

For the purposes of this study, Defoitte Access Economics' Regional General Equilibrium model (known as DAE-RGEM) was customised to create the Impacted Community region, as described in Section 2.4.2, with each of the 22 SA2 areas as units in the model, in their full state, national and global context.

Technical detail on the DAE-RGEM can be found in Appendix E.

5.1 DAE-RGEM inputs

The direct economic impacts presented in Section 4.1, that is, the revenue, expenditure and employment of the native timber industry in the Central Highlands RFA Area and Impacted Community were used as inputs into the DAE-RGEM. The impact associated with those directly employed by the native timber industry in the Central Highlands RFA Area but located in metropolitan Melbourne are included in the Impacted Community results.

Using these inputs, the DAE-RGEM calculates changes in macroeconomic aggregates such as gross regional product (GRP), employment and wages.

The model captures the direct impacts of VicForests' operations and its flow on implications for the rest of the economy as well as the fact that labour and capital resources the native timber operations would not be available for activity elsewhere in the economy.

These macroeconomic outcomes for each scenario were compared to the counterfactual (as outlined in Chapter 3), with deviations from the base case described in the following sections.

5.2 Modelling results

5.2.1 Gross Regional Product

In 2014, the Impacted Community's GRP is estimated to be \$327 million higher as a result of having a native timber industry in the Central Highlands RFA Area. The increase in GRP represents a 4.4% increase in the size of the economy in the Impacted Community relative to the counterfactual of not having a native timber industry.¹¹

There is an additional impact on the rest of Victoria, in that the Victorian economy (excluding the impacted Community) GRP is \$30 million higher as a result of having the

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¹¹ In comparison, the Impacted Community's current GRP is approximately \$7.6 billion.

native timber industry in the Central Highlands RFA Area, i.e. the total impact of the native timber industry in the Central Highlands RFA Area on the Victorian economy is \$357 million in 2014.

2024 2025 Impacted Community Rest of Victoria

Chart 5.1: GRP deviations (in \$2014-15) million

Source: Deloitte Access Economics

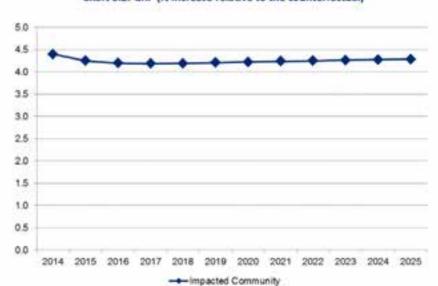


Chart 5.2: GRP (% increase relative to the counterfactual)

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Source: Deloitte Access Economics

5.2.2 Employment and wages

The native timber industry is also estimated to have an impact on employment. In 2014, the Impacted Community is estimated to employ an additional 1,953 FTEs (full time equivalent) as a result of the presence of the native timber industry in the Central Highlands RFA Area. This represents 3.5% of regional employment, where there are 56,000 FTEs in total. It results in a further 83 FTEs in the rest of Victoria. Thus, a total of 2,036 FTEs are added to the Victorian economy. The impact of the industry on employment, relative to the counterfactual, deceases over time, because the economy as a whole adjusts. Workers who would initially be unemployed in the counterfactual will find other employment opportunities over time.

The Study has not considered employment in manufacturing and downstream processing which is linked to the native timber industry in the Central Highlands RFA Area. There is potential for this additional employment to be the focus of future studies.

It is noted, that the presence of the industry also results in a higher wage level across the regional communities, with overall wages in the Impacted Community being 2.2% higher as a result of the native timber industry in the Central Highlands RFA Area.

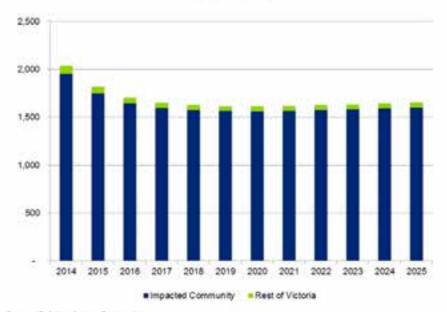


Chart 5.3: Employment (FTE) deviations

Source: Deloitte Access Economics

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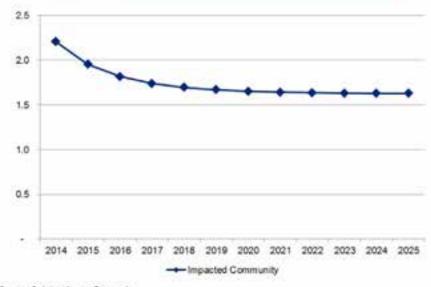


Chart 5.4: Wage rate deviation (% increase relative to the counterfactual)

Source: Deloitte Access Economics

5.2.3 Comparison with direct impacts

Table 5.1 illustrates how the direct impacts compare to the DAE-RGEM results. A \$196 million value add shock to the native timber industry in the Impacted Community results in a whole of economy GRP impact of \$357 million across Victoria in 2014. This is equivalent to a multiplier of 1.82.

Table 5.1: DAE-RGEM inputs	Table	5.1:	DAE-	RGEM	lin	puts
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	Revenue	Value add	Employment (FTE)
VicForests (including contractors)	\$76 million	\$26 million ¹²	281
VicForests' customers	\$497 million ¹⁸	5170 million ¹⁴	1,836
Total (direct impact)	\$573 million	\$196 million	2,117
DAE-RGEM results (whole of economy)	and the second	\$357 million	2,036

 $^{^{\}rm Cl}$ Estimated using the ABS input-Output tables, see Section 4.1.

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¹¹ Estimated using the same output to FTE and value-add to FTE ratio as for VicForeits. This is done as customers' revenue figures are commercially confidential. The ratio has been calculated using the industry average value added in foreit product industries (34%), based on the ABS Input-Output tables. These are described in further detail in Appendix A.

H Ibid.

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Appendix A: Forestry products industries

Industry value added in forest product industries

To put this study on the native timber industry in the Central Highlands RFA Area into context, it is worth examining the size and structure of the national forestry sector.

In 2012-13, Victoria accounted for 30% of Australia's forestry industry in terms of volume and 31% in terms of value, with a log production volume 6.9 million m³ and a value of \$463 million.

The Australian native timber industry accounts for around 22% of Australia's forestry industry. In 2012-13, Victoria accounted for 35% of Australia's native timber industry in terms of volume and 32% in terms of value, with a log production volume of 1.3 million m³ and a value of \$109 million.

According to ABARES (2014), forestry contributed 0.5% to Australia's GDP in 2012-13, with a total value of \$7.0 billion. Based on ABS (2013a) Input-Output tables 2009-10, value add is 34% of the industry's Australian production value.

Forestry and logging contributes \$1.0 billion (14%); log sawmilling and timber dressing \$1.1 billion (15%); other wood product manufacturing \$2.4 billion (35%); and paper and paper products \$2.6 billion (36%), to total forestry industry value add, as shown in Figure A.1.

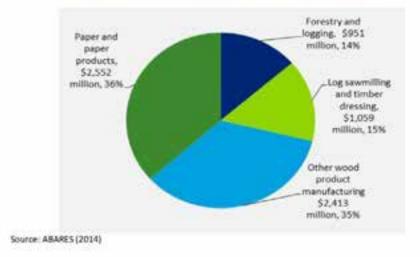


Figure A.1: Contribution to the forestry industry value add (2012-13)

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Forestry supply chain

Inputs into the industry

Forestry and logging sources most of its inputs (by value) from within the industry; forestry support services and fuel are other major inputs.

The main inputs into sawmill product manufacturing, wood product manufacturing and pulp, paper and paperboard manufacturing are forestry and logging and road transport, with sawmill product manufacturing also being a key input source for wood product and pulp, paper and paperboard manufacturing.

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Table A.2: Inputs into the industry

Source: A85 (2013a)

Downstream industries

The main user of forestry and logging is the industry itself; sawmill manufacturing and other wood product manufacturing are the other main downstream industries.

Sawmill product manufacturing and other wood product manufacturing sell the majority of their outputs to the construction industry; a smaller share goes to furniture manufacturing. Pulp, paper and paperboard manufacturing sells 80% of its outputs to the printing industry.

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Table A.3: Downstream industries

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Source: A85 (2013a)

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Appendix B: Likely scenario of the industry in the future

The analysis in this study has focused primarily on the annual benefits and costs (both direct and indirect) of the native timber industry in the Central Highlands RFA Area. In order to gain a broad understanding of the likely future scenario of the industry, projections of supply volumes and unit prices have been made, based on VicForests data.

Chart B.1 illustrates the forecast supply volumes from the Central Highlands RFA Area. These forecasts are from VicForests' Block Volume Supply model, which show that volumes are expected to be relatively flat over the next 20 years.

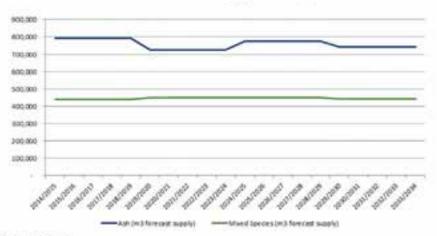


Chart B.1: Forecast supply volumes (m³)

Source: VicForests.

Projected unit prices by species and product type are illustrated in Chart B.2 and Chart B.3. The projections are based on historical unit prices (derived from VicForests historical sales revenue and harvesting and haulage costs), and assume that unit prices will grow by CPI (2.5%, in line with Victorian DTF 2014-15 State Budget CPI forecast for 2015-16 to 2017-18).

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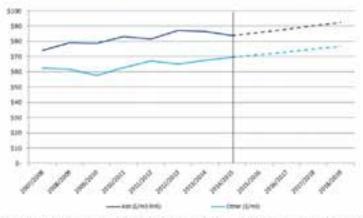


Chart B.2: Price by species (historical and projected, nominal dollars)

Source: VicForests, Historical average sale price per unit, excluding salvage. Future unit prices projected assuming growth in line with CPL.

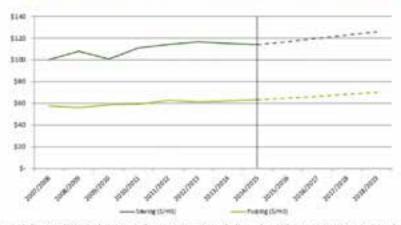


Chart B.3: Price by product type (historical and projected, nominal dollars)

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Source: VicForests, Historical average sale price per unit, excluding salvage. Future unit prices projected assuming growth in line with CPL.

Appendix C: Counterfactual and Substitution

Counterfactual

Under the counterfactual the following activities will cease in the Central Highlands RFA Area:

- Native timber harvesting
 - Substitutes for the native timber currently harvested are likely to be imported from outside Victoria (see the following section on Substitution for greater detail). In summary, this is because:
 - Native timber harvesting may not be practical to a meaningful extent in any other areas of Victoria
 - If native timber harvesting were permitted in other parts of Victoria, these areas would be located too far from mills to harvest and haul, and relocating mills would not be financially feasible
 - Plantation timber is only suitable for paper and low grade pallets, and therefore not a perfect substitute for native timber.
- Native forest management undertaken by VicForests
 - Timber resources would be transferred back from VicForests to DELWP (reversing the Allocation Order 2013 which transfers the timber resources from DELWP to VicForests).
- Maintenance of access roads to a standard suitable for use by heavy vehicles
 - Ownership and management of timber haulage roads would be transferred to DELWP. As a result, access roads may not close, but the standard to which they are being maintained would diminish, as there is no longer a requirement to maintain them for heavy vehicles.
- Supply of machinery, personnel and skills for bushfire management
 - Without the native timber industry, timber harvesting businesses may not maintain machinery capable of fighting fires.
- Access to the knowledge base on the forests currently managed by VicForests, through VicForests staff and forest contractors working regularly in the Central Highlands RFA Area

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Substitution (Poyry, 2011)

Poyry (2011) analysed the proposition of substituting logs from hardwood plantations established in Western Victoria for native forest hardwood logs used by existing forest industry processors, mostly based in Eastern Victoria. They noted the following challenges:

Hardwood plantations for use as pulpwood

- Hardwood plantations were established to support the pulpwood markets in Asia-Pacific, mainly Japan, with their locations, species and management regimes optimised to suit that market. With declining volumes forecast for the mid-term, supply from that source is tight.
- It is technically feasible for processors (such as Australian Paper) to transition to
 pulpwood from Western Victoria if it pays an export parity parity, or slightly higher
 price, for the pulpwood. However, there are significant economic and logistics impacts
 as well as supply risks. Furthermore, Australian Paper would have to compete directly
 with exports, for which significant investments have already been made.

Hardwood plantations for use as sawlogs

- Plantation wood is not a direct substitute for native forest wood; and the difference between the two types of wood is significant. While it is possible to process plantationgrown eucalypts to sawn timber and veneer products, this is usually done in regions with higher plantation growth rates, lower labour costs and strong markets for the residue material from the sawmills. Even so, less than 1% of global eucalypt plantations is managed for high-value sawlogs.
- Australia has so far been unable to establish a sustainable industry based on plantationgrown eucalypts. This is partly due to high labour costs and partly because plantationgrown eucalypts have different properties to native forest timber (such as relatively smaller dimensions, higher inherent growth stress and shrinkage, lower density and lighter colour) resulting in lower productivity in the sawmill and lower-value products in the market.
- It is technically possible to convert pulpwood plantations to a sawlog regime when the
 plantations are less than three to four years old. However, the majority of pulpwood
 plantations in Western Victoria are too old to be converted into sawlog plantations.
 Furthermore, there is no established market for the sawlogs today, so convincing any
 existing pulpwood estates to convert to a sawlog regime would be difficult.
- The majority of hardwood plantations in Western Victoria are Eucalyptus globulus, which is an excellent pulpwood species but not a premium sawlog species. Better sawlog species, such as Corymbia maculata and Eucalyptus cladocalyx, would require longer rotations of at least 25-30 years. However, these species are not valued as pulpwood species, so residues from thinning and sawmilling operations would be of low value, impacting the economics of processing these species.

Substitutes in the absence of native timber harvesting

 If native forest sawlogs are not available, it is likely that appearance grade timber would be replaced by imports, which are unlikely to have better environmental credentials than the Victorian product it would replace. For structural grades, product from pine plantations will supply the market.

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Appendix D: Forestry industry employment

Estimates from various data sources

Different data sources have different in employment numbers for the Victorian forestry industry. This could be the result of differences in reporting, timing, and industry or geography definitions.

Table D.1 presents the estimates of forestry industry employment in Victoria, and they are broadly consistent. The analysis in this study has relied on the numbers provided by VicForests for the purposes of this study, supplemented by DEDJTR (2014) where additional data on VicForests customers was available.

Data source	Employment	Region/Victoria	Note
Vicforests DED/TR	281	Central Highlands RFA Area	FTE, inside Central Highlands RFA, VicForests contractors and VicForests employees
	124	Central Highlands RFA Area	FTE, inside Central Highlands RFA, VicForests customer employees
	1,712	Impacted Community and other directly impacted employment outside the Impacted Community (excluding the Central Highlands RFA Area)	FTE, outside Central Highlands RFA, VicForests customer employees (including all Australian Paper employees) – includes list updated in 2015 of customers supplied from the Central Highlands RFA Area
Auditor General (VAGO, 2013)	519	Victoria total	Victoria total, directly employed by VicForests or harvest and haulage contractors between 2004 and 2013
Allen Consulting (2006)	1,200	Victoria total	Victoria total, estimated by 2020
Schirmer (2013)	2,855	Goulburn and Gippsland (larger than the Central Highlands RFA Area)	Goulburn and Gippsland areas (which cover an area larger than the Central Highlands RFA Area) in 2012
VAFI/VicForests Survey of Victorian Sawmilis (2010)	3,000	Victoria total	Victoria total, directly employed by native timber industry

Table D.1: Victorian forestry industry employment estimates

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Appendix E: DAE-RGEM

Overview

The Deloitte Access Economics – Regional General Equilibrium Model (DAE-RGEM) is a large scale, dynamic, multi-region, multi-commodity computable general equilibrium model of the world economy. The model allows policy analysis in a single, robust, integrated economic framework. This model projects changes in macroeconomic aggregates such as GDP, employment, export volumes, investment and private consumption. At the sectoral level, detailed results such as output, exports, imports and employment are also produced.

The model is based upon a set of key underlying relationships between the various components of the model, each which represent a different group of agents in the economy. These relationships are solved simultaneously, and so there is no logical start or end point for describing how the model actually works.

Figure E.1 shows the key components of the model for an individual region. The components include a representative household, producers, investors and international (or linkages with the other regions in the model, including other Australian States and foreign regions). Below is a description of each component of the model and key linkages between components. Some additional, somewhat technical, detail is also provided.



Figure E.1: Key components of DAE-RGEM

DAE-RGEM is based on a substantial body of accepted microeconomic theory. Key assumptions underpinning the model are:

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- The model contains a 'regional consumer' that receives all income from factor payments (labour, capital, land and natural resources), taxes and net foreign income from borrowing (lending).
- Income is allocated across household consumption, government consumption and savings so as to maximise a Cobb-Douglas (C-D) utility function.
- Household consumption for composite goods is determined by minimising expenditure via a CDE (Constant Differences of Elasticities) expenditure function. For most regions, households can source consumption goods only from domestic and imported sources. In the Australian regions, households can also source goods from interstate. In all cases, the choice of commodities by source is determined by a CRESH (Constant Ratios of Elasticities Substitution, Homothetic) utility function.
- Government consumption for composite goods, and goods from different sources (domestic, imported and interstate), is determined by maximising utility via a C-D utility function.
- All savings generated in each region are used to purchase bonds whose price movements reflect movements in the price of creating capital.
- Producers supply goods by combining aggregate intermediate inputs and primary factors in fixed proportions (the Leontief assumption). Composite intermediate inputs are also combined in fixed proportions, whereas individual primary factors are combined using a CES production function.
- Producers are cost minimisers, and in doing so, choose between domestic, imported and interstate intermediate inputs via a CRESH production function.
 - The model contains a more detailed treatment of the electricity sector that is based on the 'technology bundle' approach for general equilibrium modelling developed by ABARE (1996).³¹
- The supply of labour is positively influenced by movements in the real wage rate governed by an elasticity of supply.
- Investment takes place in a global market and allows for different regions to have different rates of return that reflect different risk profiles and policy impediments to investment. A global investor ranks countries as investment destinations based on two factors: global investment and rates of return in a given region compared with global rates of return. Once the aggregate investment has been determined for Australia, aggregate investment in each Australian sub-region is determined by an Australian investor based on: Australian investment and rates of return in a given sub-region compared with the national rate of return.
- Once aggregate investment is determined in each region, the regional investor constructs capital goods by combining composite investment goods in fixed proportions, and minimises costs by choosing between domestic, imported and interstate sources for these goods via a CRESH production function.
- Prices are determined via market-clearing conditions that require sectoral output (supply) to equal the amount sold (demand) to final users (households and government), intermediate users (firms and investors), foreigners (international exports), and other Australian regions (interstate exports).

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¹¹ Australian Bureau of Agricultural and Resource Economics (ABARE), 1996, MEGABARE: Interim Documentation, Canberra.

- For internationally-traded goods (imports and exports), the Armington assumption is applied whereby the same goods produced in different countries are treated as imperfect substitutes. But, in relative terms, imported goods from different regions are treated as closer substitutes than domestically-produced goods and imported composites. Goods traded interstate within the Australian regions are assumed to be closer substitutes again.
- The model accounts for greenhouse gas emissions from fossil fuel combustion. Taxes
 can be applied to emissions, which are converted to good-specific sales taxes that
 impact on demand. Emission quotas can be set by region and these can be traded, at a
 value equal to the carbon tax avoided, where a region's emissions fall below or exceed
 their quota.

The representative household

Each region in the model has a so-called representative household that receives and spends all income. The representative household allocates income across three different expenditure areas: private household consumption; government consumption; and savings.

Going clockwise around Figure E.1, the representative household interacts with producers in two ways. First, in allocating expenditure across household and government consumption, this sustains demand for production. Second, the representative household owns and receives all income from factor payments (labour, capital, land and natural resources) as well as net taxes. Factors of production are used by producers as *inputs into production* along with intermediate inputs. The level of production, as well as supply of factors, determines the amount of income generated in each region.

The representative household's relationship with investors is through the supply of investable funds – savings. The relationship between the representative household and the international sector is twofold. First, importers compete with domestic producers in consumption markets. Second, other regions in the model can lend (borrow) money from each other.

Some detail

- The representative household allocates income across three different expenditure areas – private household consumption; government consumption; and savings – to maximise a Cobb-Douglas utility function.
- Private household consumption on composite goods is determined by minimising a CDE (Constant Differences of Elasticities) expenditure function. Private household consumption on composite goods from different sources is determined is determined by a CRESH (Constant Ratios of Elasticities Substitution, Homothetic) utility function.
- Government consumption on composite goods, and composite goods from different sources, is determined by maximising a Cobb-Douglas utility function.
- All savings generated in each region is used to purchase bonds whose price movements reflect movements in the price of generating capital.

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Producers

Apart from selling goods and services to households and government, producers sell products to each other (intermediate usage) and to investors. Intermediate usage is where one producer supplies inputs to another's production. For example, coal producers supply inputs to the electricity sector.

Capital is an input into production. Investors react to the conditions facing producers in a region to determine the amount of investment. Generally, increases in production are accompanied by increased investment. In addition, the production of machinery, construction of buildings and the like that forms the basis of a region's capital stock, is undertaken by producers. In other words, investment demand adds to household and government expenditure from the representative household, to determine the demand for goods and services in a region.

Producers interact with international markets in two main ways. First, they compete with producers in overseas regions for export markets, as well as in their own region. Second, they use inputs from overseas in their production.

Some detail

- Sectoral output equals the amount demanded by consumers (households and government) and intermediate users (firms and investors) as well as exports.
- Intermediate inputs are assumed to be combined in fixed proportions at the composite level. As mentioned above, the exception to this is the electricity sector that is able to substitute different technologies (brown coal, black coal, oil, gas, hydropower and other renewables) using the 'technology bundle' approach developed by ABARE (1996).
- To minimise costs, producers substitute between domestic and imported intermediate inputs is governed by the Armington assumption as well as between primary factors of production (through a CES aggregator). Substitution between skilled and unskilled labour is also allowed (again via a CES function).
- The supply of labour is positively influenced by movements in the wage rate governed by an elasticity of supply is (assumed to be 0.2). This implies that changes influencing the demand for labour, positively or negatively, will impact both the level of employment and the wage rate. This is a typical labour market specification for a dynamic model such as DAE-RGEM. There are other labour market 'settings' that can be used. First, the labour market could take on long-run characteristics with aggregate employment being fixed and any changes to labour demand changes being absorbed through movements in the wage rate. Second, the labour market could take on short-run characteristics with fixed wages and flexible employment levels.

Investors

investment takes place in a global market and allows for different regions to have different rates of return that reflect different risk profiles and policy impediments to investment. The global investor ranks countries as investment destination based on two factors: current economic growth and rates of return in a given region compared with global rates of return.

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Some detail

 Once aggregate investment is determined in each region, the regional investor constructs capital goods by combining composite investment goods in fixed proportions, and minimises costs by choosing between domestic, imported and interstate sources for these goods via a CRESH production function.

International

Each of the components outlined above operate, simultaneously, in each region of the model. That is, for any simulation the model forecasts changes to trade and investment flows within, and between, regions subject to optimising behaviour by producers, consumers and investors. Of course, this implies some global conditions must be met such as global exports and global imports are the same and that global debt repayments equal global debt receipts each year.

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Limitation of our work

General use restriction

This report is prepared solely for the use of VicForests. This report is not intended to and should not be used or relied upon by anyone else and we accept no duty of care to any other person or entity. The report has been prepared for the purpose of assessing the economic sustainability of the native timber industry in the Central Highlands RFA Area of Victoria. You should not refer to or use our name or the advice for any other purpose.

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ATTACHMENT 3

Terms of Reference

Purpose

The Victorian Government is supporting an Industry Taskforce (Appendix 1), to provide a forum and process for dialogue and leadership amongst the major stakeholders in the forest, fibre and wood products industry, unions and forest conservation groups.

The purpose of the Industry Taskforce is for the major stakeholders to reach common ground on a durable, long-term set of recommendations and proposals to government, about future issues facing the industry, job protection, economic activity, protection of our unique native flora and fauna and threatened species, such as the Leadbeater's possum.

The outcomes will be reached by consensus, and involve robust dialogue and considered negotiation. The process will rely on expert evidence, analysis and facilitation, and the engagement of relevant other affected groups and interests, and the broader Victorian community.

The Industry Taskforce will aim for recommendations that will enable us to successfully create and sustain jobs and industry growth in a changing economic environment, to conserve high value ecological assets, to protect key species such as the Leadbeater's possum and to implement a durable plan for the good stewardship of Victoria's forests that can be embraced by the Victorian community.

Outcome

The Taskforce will provide to the Victorian Government, recommendations about how best to ensure that Victoria conserves high value ecological assets, maintains healthy forests and builds and maintains a vibrant world-leading forest, fibre and wood products industry, based on:

- secure fibre and wood supplies including from native forests and existing and new plantations,
- jobs maintenance and growth,
- protection of unique native flora and fauna and threatened species, specifically including the Leadbeater's possum,
- new conservation reserves and national parks, and
- forest management which maintains forest health and supports the full range of economic, social and environmental values and benefits at state, regional and local levels.

The Industry Taskforce will seek to jointly achieve broad community and cross-parliamentary support to adopt and implement the agreed outcomes.

In recognition of Traditional Owners, strategies and actions should, with the support of government, support the determination, recognition, consideration and acknowledgement of Traditional Owner rights, interests and aspirations in relation to public forest areas and related industries.

Scope and Guiding Considerations

The focus will be on future use and management of Regional Forest Agreement (RFA) state forests east of the Hume Highway and will be informed by consideration of:

- whole of community benefits including the full range of economic, social and environmental values
- existing plantations and development of new private and/or public plantations
- wood resource on private property
- state-wide supply chain
- · industry economics and the competitive environment it operates in
- conservation values in RFA areas, and in existing and new national parks, and other reserves
- landscape-wide biodiversity, and
- fire and climate change impacts.

Some primary questions for consideration will be

- What would the scope and scale of any new national parks and reserves in eastern Victoria be?
- 2. What would be required to ensure the viability of threatened species and forest health across the broader forest ecosystem?
- 3. Where would any fibre and wood come from to provide a secure, sustainable resource for industry and enable opportunities for future industry growth?
- 4. Where would any jobs maintenance and growth be?
- 5. What other economic, forest use and recreational activities, if any, ought to be taken into account in future state forest use and management decisions?
- 6. How would any public forest areas outside of the protected area estate be robustly managed in the future?
- What funding, management and review mechanisms, if any, would be required for the care and management of any new protected areas?
- 8. What role could any new plantations provide in future wood supply for industry, and how could government(s) facilitate this?
- How would any outcomes relating to all of the above be delivered in a robust manner and for long-term durability?

Structure and Process

Stakeholders have diverse perspectives and interests. Reaching common ground amongst a multistakeholder group around issues of high complexity is challenging: there is no precedent solution to draw from, addressing the problems piece by piece is not enough to deliver long-term solutions. In recognising that one stakeholder or organisation alone cannot solve the challenges, stakeholders are committed to work together, and have co-designed the process to enable this.

The structure will be based around:

- The Planning Group to provide consistent leadership and to facilitate regular reporting to government via the Premier's office, and to work with the chair to drive the process.
- The Core Group of negotiators, representing key stakeholder sectors and with a responsibility to engage and involve others.
- A series of Working Groups to undertake more detailed consideration and report back to the Core Group. The Working Groups will, as required, comprise relevant expertise, including scientists and other experts.
- An independent chair whose role includes overseeing a fair and robust process and, together with the Planning Group, being the interface with government and the Victorian public.

- Independent Facilitator/s to assist working through contentious discussion around problems and differences.
- A secretariat to support administrative tasks, communication, policy development and access to information and expertise.

This structure is indicated in Appendix 2; Appendix 3 shows the range of constituents and affected groups.

The process will be three broad phases:

Phase One: Scoping

Develop a shared information and understanding of the challenges and concerns.

Phase Two: Deliberating

Co-develop a range of options and possible solutions.

Phase Three: Deciding

3. Make decisions and reach a set of agreed and durable solutions and recommendations.

The Taskforce will make agreements by consensus, which means decision-making will be inclusive, participatory and collaborative, and a process through which stakeholders seek and reach consent, as described in Appendix 4.

The Core Group of stakeholders recognises that a durable outcome will only emerge from a process that recognises the complexity of the situation and builds a broad-based community consensus. That is why the Core Group is willing to participate directly and in good faith, with the support of the government.

Membership

The Planning Group comprises Jane Calvert (CFMEU - Construction Forestry Mining and Energy), Tim Johnston (VAFI - Victorian Association of Forest Industries), Amelia Young (TWS Victoria - The Wilderness Society Victoria).

The Core Group comprises the Planning group plus Vince Hurley (ASH - Australian Sustainable Hardwoods), Julian Mathers (AP - Australian Paper), John McConachy (harvest and haulage contractors), Alex Millar (CFMEU - Construction Forestry Mining and Energy), Sarah Rees (MyEnvironment), Matt Ruchel (VNPA - Victorian National Parks Association), and Jess Abrahams (ACF - Australian Conservation Foundation).

Timeframe

The Taskforce will deliver a set of agreed recommendations to Government by the end of June 2016, unless extension is formally and jointly agreed by Government and Taskforce members.

Communication

The Taskforce, including the Chair, will:

- make use of a variety of means of communications, including a website
- · jointly make all statements and media comment about the work of the Taskforce
- prepare communication and engagement plans, with assistance from the secretariat.

Resources

The Taskforce seeks ongoing financial support from Government for the chair, facilitators and for the Planning and Core Groups to undertake engagement and communication activity as well as for expert advice, science and data.

Key data to inform this task may include but might not be limited to:

- current and future projected resource requirements of the Victorian forest, fibre and wood products industry
- volumes, condition, cost and utility of available and projected resources and services, and the capacity of forests to continue to provide these
- current and projected employment
- ecological values and ecosystem services
- protected area and off-reserve management requirements.

Appendices

Appendix 1

Policy context: "Labor strongly supports a consensus approach in the establishment of any new national parks. We will facilitate and support the establishment of an Industry Taskforce to provide leadership to reach common ground on the future issues facing the industry, job protection, economic activity, protection of our unique native flora and fauna and threatened species, such as the Leadbeater's possum. The taskforce will have members from the forestry and forest products industry, unions, environmental groups and scientists, threatened species experts, land owners, timber communities and other relevant stakeholders. A Labor Government will consider any reasonable recommendations and proposals reached by consensus of the major stakeholders through the Industry Task Force, but will not impose solutions."

Appendix 2 Structure Diagram - attached.

Appendix 3

Engagement Diagram - attached.

Appendix 4

Consensus Decision-Making - attached.

ATTACHMENT 4

ORDINARY COUNCIL MEETING AGENDA 22 AUGUST 2016 (CM488)

14.2 GREAT FOREST NATIONAL PARK

General Manager

City Development

For Decision

PURPOSE

This report provides Council with details of the potential economic impact of the proposed Great Forest National Park (the proposed park) and an update on the progress of the Ministerial Taskforce.

EXECUTIVE SUMMARY

A proposal has been developed to establish a new national park in Victoria. The impetus for the proposed park has been the discovery of colonies of the Leadbeater's Possum in the Central Highlands Forest.

The proposed park, to be known as the Great Forest National Park will encompass much of the Central Highlands Regional Forest Area (RFA). Native Hardwood Timber from this RFA supplies many timber processors and users throughout Victoria.

Latrobe City's largest private sector employer, Australian Paper, sources wood fibre from the Central Highlands RFA. The company advises that if the proposed park proceeds Australian Paper will lose access to 34 percent of its wood fibre supply. The company has further advised that currently there are no alternative commercially available sources of supply.

Deloitte Access Economics advise that 895 jobs in Morwell (i.e. Australian Paper) are impacted by timber derived from the Central Highlands RFA. Australian Paper have advised that the company contributes \$750 million in Gross Regional Product to the local economy and has a direct and indirect impact on more than 6,000 jobs, most of which are in regional Victoria.

In 2015, the Victorian State Government established an industry taskforce to examine the potential for the new park. The Terms of Reference require that the Taskforce will deliver a set of agreed recommendations to the Government by the end of June 2016.

Advice has been received that a Statement of Intent has recently been presented to the Premier. When the Statement is accepted by the State Government, a series of recommendations will be drafted. This process will take several months.

RECOMMENDATION

That Council:

LATROBE CITY COUNCIL

- 1. Notes the potential economic impact of the proposed Great Forest National Park on Latrobe City and its industry participants
- Seeks clarification on the Statement of Intent and recommendations developed by the industry taskforce
- 3. Issues a media release regarding the importance of industry being able to maintain access to timber from the Central Highlands Forest Management Area.

DECLARATION OF INTEREST

No officer declared a conflict of interest under the Local Government Act 1989 in the preparation of this report.

STRATEGIC FRAMEWORK

This report is consistent with Latrobe 2026: The Community Vision for Latrobe Valley and the Latrobe City Council Plan 2013-2017.

Latrobe 2026: The Community Vision for Latrobe Valley

Strategic Objectives:

- Actively pursue long term economic prosperity for Latrobe City, one of Victoria's four major regional cities.
- Actively pursue further diversification of business and industry in the municipality.
- Actively pursue and support long term job security and the creation of new employment opportunities in Latrobe City.

Latrobe City Council Plan 2013 - 2017

Theme and Objectives

Theme 1: Job creation and economic sustainability

Strategic Direction – Work in partnership with business, industry and government to create new jobs and investment in Latrobe City.

BACKGROUND

At the Ordinary Council Meeting on the 23 May 2016, Council adopted the following:

That Council:

 Requests that the Chief Executive Officer prepares a report on the Assessment of the economic and social impacts of the proposed Great Forest national Park to the Latrobe City municipality;

 Requests that the Mayor writes to the Premier and the minister for Energy, Environment and Climate Change and to express our disappointment that there is no local government voice on the Taskforce looking at the great Forest National Park. That the Mayor request that either MAV or Timber Towns Victoria are given a position on this Taskforce.

In accordance with the second part of the motion, a letter was sent to the Premier and the Minister for Energy, Environment and Climate Change on 5 July 2016 expressing Council's concern that there was no Local Government representation on the Taskforce. The letters also detailed Council's concern about the potential impact on the local economy. (See attachment one)

The proposed park area will stretch from Kinglake to Mt Baw Baw and north-east up to Elidon. The proposal will add 355,000 hectares of protected forests to the existing 170,000 hectares of parks and protected areas in the Central Highlands of Victoria. The proposed park will encompass significant areas of the Central Highlands RFA.

KEY POINTS/ISSUES

A collective of environmental groups have proposed the establishment of a new national park, to be known as the Great Forest National Park (attachment two). The impetus for the proposal was the discovery of colonies of Leadbeater's Possums in the Central Highlands Forests.

In 2015, the Federal Government upgraded the status of the Leadbeater's possum from "endangered" to "critically endangered" - the last step before extinction in the wild.

The State Government established an industry taskforce in May 2015 to examine the potential for the new park and 'to come to a "consensus" that would meet conservation needs, as well as protect jobs and the forest industry.' The Terms of Reference for the Taskforce state:

The process will be three broad phases:

Phase One: Scoping

 Develop a shared information and understanding of the challenges and concerns.

Phase Two: Deliberating

Co-develop a range of options and possible solutions.

Phase Three: Deciding

Make decisions and reach a set of agreed and durable solutions and recommendations.

The Terms of Reference state that the Taskforce will deliver a set of agreed recommendations to Government by the end of June 2016, unless extension is formally and jointly agreed by Government and Taskforce members. Members of the Taskforce are bringing their organisations research and position statements for consideration in developing the Statement of Intent.

The appointed membership of the industry taskforce comprises two groups:

- The Planning Group comprises Jane Calvert (CFMEU Construction Forestry Mining and Energy), Tim Johnston (VAFI - Victorian Association of Forest Industries), Amelia Young (TWS Victoria - The Wilderness Society Victoria);
- The Core Group comprises the Planning group plus Vince Hurley (ASH - Australian Sustainable Hardwoods), Peter Williams and Julian Mathers (AP - Australian Paper), John McConachy (harvest and haulage contractors), Alex Millar (CFMEU - Construction Forestry Mining and Energy), Sarah Rees (My Environment), Matt Ruchel (VNPA - Victorian National Parks Association), and Jess Abrahams (ACF - Australian Conservation Foundation).

Advice has been received that the Statement of Intent has recently been presented to the Premier by the Taskforce. After the Government has considered the Statement and agreement is reached, a series of recommendations will be prepared by the Taskforce. It has been advised that this process will take several months to complete.

Economic Impact

The following economic impact information has been derived from a number of internal sources, i.e. no external consultancy was required to collate this information. However, to determine the social impact of the proposed park a separate study would be required.

The proposed park will impact on the native hardwood supply available in the Central Highlands RFA. The current proposal has no impact on plantation hardwood and softwood so there will be no direct impact on HVP or Carter Holt Harvey at this time.

A recent study conducted by Deloitte Access Economics found that as a result of the VicForests' operations and the native timber harvesting in 2013-14, the Central Highlands RFA Area, \$357 million of Gross Regional Product (GRP) was added to the Victorian economy.

This \$357 million in GRP reflects, amongst other things, \$573 million in revenue earned by VicForests (\$76 million) and its direct customers (\$497 million) in the 'Impacted Communities' - Morwell is listed as an impacted community because of the native hardwood timber fibre provided to Australian Paper.

The Central Highlands RFA operations resulted in the direct employment of 2,117 full time equivalent workers. Beyond the employment that VicForests provides (281 FTE), there is employment by customers and contractors of VicForests.

Deloitte Access Economics estimate that 895 FTE in Morwell are impacted by timber supplied from the Central Highlands RFA. Almost all of these jobs would be at Australian Paper. This figure does not include indirect employment, such as haulage contractors.

(It is interesting to note that Deloitte Access Economics estimate that 205 FTE are impacted in the Maffra region – these jobs are attributed to Australian Sustainable Hardwoods. The report notes that Morwell and Maffra are the two areas most impacted by the native hardwood supply from the Central Highlands RFA.)

Australian Paper advises that the business currently source 29 percent of its fibre directly from Vic Forests and a further five percent of Mountain Ash chips is sourced from Australian Sustainable Hardwoods. If the proposed park proceeds, Australian paper estimates that it will lose access to 34 percent of its fibre requirements. They further advised that there is currently no commercially viable replacement for this wood.

Australian Paper has previously advised Council that its operations generate in excess of \$750 million of GRP for the economy annually. The flow-on impact of employment is approximately 6,000 FTE across Australia, most of which is in regional Victoria.

The worst case scenario from the proposed park is that Australian Paper cannot source the required volumes of hardwood fibre from alternative sources, therefore impacting on the viability of its operation.

RISK IMPLICATIONS

Risk has been considered as part of this report and it is considered to be consistent with the Risk Management framework.

Should the proposed Park proceed, there is a significant risk that Australian Paper could not source enough wood to service its operations, resulting in closure and the loss of over 1000 jobs in the Latrobe City.

FINANCIAL AND RESOURCES IMPLICATIONS

The potential closure of Australian Paper as a result of the approval of the proposed park would result in the loss of over 1000 direct jobs within the municipality.

Should the proposed Park be approved, there is a risk that Council rate revenue derived from Australian Paper would reduce. This could have flow on effects to businesses serving Australian Paper.

INTERNAL/EXTERNAL CONSULTATION

Officers have been in contact with members of the Taskforce, Industry and Advocacy associations in relation to this issue. Council is also represented on Timber Towns Victoria and the National Timber Councils Taskforce, both of which have represented the interests of Council on this issue.

OPTIONS

Council has the following options:

 Note the report into the potential economic impact of the proposed Park and take no further action prior to the Taskforce report. This would allow Council the opportunity to understand what is proposed prior to continuing advocacy activities;

- Note the report into the potential economic impact of the proposed Park and continue advocating the importance of industry being able to maintain access to timber from the Central Highlands Forest Management Area. This would assure that Council continues to represent the interest of the local timber and paper industries; or
- 3. Take no further action at this time.

CONCLUSION

The establishment of the Great Forest National Park would have a major impact on Latrobe City's largest business, Australian Paper, in that it would lose access to 34 percent of the wood fibre it needs to produce its products. Australian Paper advises that there are currently no alternative commercially available sources of wood fibre. As a result, the proposed park provides a serious threat to the company.

The company currently contributes \$750 million to the local economy GRP per annum and employs approximately 1,000 people directly and contributes to indirect employment and other businesses (e.g. HVP) with employment estimated to be 6,000 FTE.

Council needs to advocate strongly to the State Government that the establishment of the Great Forest National Park will have a significant impact on the Latrobe region and beyond.

When the recommendations from the Taskforce are published a further report will be prepared for Council's consideration and guidance.

SUPPORTING DOCUMENTS

- Deloitte Access Economics: Economic Assessment of the Native Timber Industry in the Central Highlands RFA Area Report 1: Economic and Financial Impact
- Great Forest National Park Terms of Reference

Attachments

1. Letter to Premier and Minister: Proposed Great Forest National Park 2. Great Forest National Park - proposed area

ATTACHMENT 5



4 July 2016

The Hon Liliana D'Ambrosio MP Minister for Energy, Environment and Climate Change Level 36, 121 Exhibition Street MELBOURNE VIC 3000

Dear Minister

TIMBER INDUSTRY TASK FORCE AND GREAT FOREST NATIONAL PARK

Given the integral role the timber industry plays in the social and economic fabric of Wellington Shire, Council is extremely concerned about the proposed creation of the Great Forest National Park. As a result, at the Wellington Shire Council meeting held on 7 June 2016, the following motion was supported:

That Council:

- Request the CEO to prepare a report on the social and economic impact on Wellington Shire should the Great Forest National Park become a reality;
- Request that the Gippsland Local Government Network (GLGN) make a submission to the Victorian Government and the Opposition to ensure that the protection of regional jobs are not threatened by any further expansion of National Parks;
- 3. That the Mayor write to the relevant Victorian Ministers expressing disappointment that Local Government is not represented on the Taskforce looking at the Great Forest National Park, and that the Municipal Association of Victoria (MAV) and / or Timber Towns Victoria (TTV) be offered the opportunity to be part of this taskforce.

In relation to items one and two, Wellington Shire Council is currently working with the Gippsland Local Government Network to prepare the required reports.

In relation to item three, Wellington Shire Council understands that the Timber Industry Task Force's Terms of Reference requires the Taskforce to make final recommendations by 30 June 2016. However, should the Victorian Government agree to extend the workings of the Taskforce, Wellington Shire Council strongly requests that the Municipal Association of Victoria and/or Timber Towns Victoria be provided with the opportunity to be an active partner.

If you should have any queries on this matter, please contact General Manager of Development, John Websdale on 5142 3047 or john.websdale@wellington.vic.gov.au.

Yours since

CR DARREN McCUBBIN Mayor

Our ref: DM:IC Sale Service Centre 18 Desaily Street (PO Box 505), Sale Victoria 3850 Telephone 1300 366 244

Yarram Service Centre 156 Grant Street, Yarram Victoria 3971 Telephone 03 5182 5100 Contact Us Online

Web www.wellington.vic.gov.au III You Tube Email enquiries@wellington.vic.gov.au

The Heart of Gippsland



GENERAL MANAGER BUILT AND NATURAL ENVIRONMENT

ITEM C4.1

DIVISION: ACTION OFFICER: DATE:

PLACE NAMES COMMITTEE - MINUTES

BUILT & NATURAL ENVIRONMENT MANAGER ASSETS & PROJECTS

6 SEPTEMBER 2016

	IMPACTS										
Financial	Legislative	Council Policy	Planning Policy	Resources & Staff	Community	Environmental	Consultation	Risk Management			
	~				~						

OBJECTIVE

The purpose of this report is for Council to receive the minutes from the Place Names Committee meeting held on 2 August 2016 and to consider the recommendations from that meeting.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That:

- 1. Council receive and note the minutes of the Place Names Committee meeting held on 2 August 2016;
- 2. Arising from the Place Names Committee meeting of 2 August 2016, Council adopt the following recommendation;

That:

- a) A letter be sent to all property owners abutting Tip Road that no further action will be taken regarding this matter until an alternate road name is nominated that has been agreed to by all abutting property owners that is acceptable to the Office of Geographic Names; and
- b) A letter be sent to all affected property owners that the unnamed road off the Bengworden Road be named Akoonah Lane and that if no negative response is received within 30 days then apply to the Registrar of Geographic Names to formalise the name; and
- c) The request to name the unnamed private road off the Seaspray Road, Wattlebird Close be approved and to apply to the Registrar of Geographic Names to formalise the name; and
- d) Following confirmation with the Maffra and District Historical Society that the intersection of Tinamba-Newry Road and Tinamba-Glenmaggie Road is known locally as GREENVALE CORNER that this name be registered with the Registrar of Geographic Names; and
- e) Following a request to name the York Street entrance to the IGA carpark in Sale that:
 - (i) A response be sent to thanking people for their submissions; and
 - (ii) The entrance to the carpark be named Sillett Lane; and
 - (iii) That the name Grubb be added to the Council Approved Road Names Register for use in the Sale area.
- 3. The information contained in the attached document and designated under Section 77 Clause (2)(c) of the Local Government Act 1989 as confidential by the General Manager Built and Natural Environment on 06 September 2016 because it relates to the following grounds under Section 89(2) of the Local Government Act 1989: h) any other matter which the Council or special committee considers would prejudice the Council or any person; be designated confidential information under Section 77 Clause (2)(b) of the Local Government Act 1989.

BACKGROUND

The Place Names Committee is an advisory committee that meets quarterly to make recommendations to Council on geographical place name issues.

OPTIONS

Council have the following options available:

- To receive the minutes of the Place Names Committee; or
- Seek further information and consider at a future meeting.

PROPOSAL

- 1. That Council receive and note the minutes of the Place Names Committee meeting held on 2 August 2016.
- 2. Arising from the Place Names Committee meeting held on 2 August 2016, Council adopt the following recommendation:

That:

- a) A letter be sent to all property owners abutting Tip Road that no further action will be taken regarding this matter until an alternate road name is nominated that has been agreed to by all abutting property owners that is acceptable to the Office of Geographic Names; and
- b) A letter be sent to all affected property owners that the unnamed road off the Bengworden Road be named Akoonah Lane and that if no negative response is received within 30 days then apply to the Registrar of Geographic Names to formalise the name; and
- c) The request to name the unnamed private road off the Seaspray Road, Wattlebird Close be approved and to apply to the Registrar of Geographic Names to formalise the name; and
- Following confirmation with the Maffra and District Historical Society that the intersection of Tinamba-Newry Road and Tinamba-Glenmaggie Road is known locally as GREENVALE CORNER that this name be registered with the Registrar of Geographic Names; and
- e) Following a request to name the York Street entrance to the IGA carpark in Sale that:
 - (i) A response be sent to thanking people for their submissions; and
 - (ii) The entrance to the carpark be named Sillett Lane; and
 - (iii) That the name Grubb be added to the Council Approved Road Names Register for use in the Sale area.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

LEGISLATIVE IMPACT

The *Local Government Act 1989* provides Council the power to approve, assign or change the name of a road. Council in exercising this power must act in accordance with the guidelines provided for under the *Geographical Place Names Act 1998*.

COMMUNITY IMPACT

The process for the naming or changing of a road name will be followed by contacting the Office of Geographic Names where emergency services are notified and relevant databases are updated. There will be some minor inconvenience to those residents who reside on the affected roads while those businesses who operate from the carpark entrance will have a more meaningful address.

ITEM C4.2

2016-012 KILMANY LANDFILL WORKS TENDER AWARD

DIVISION: ACTION OFFICER: DATE:

BUILT & NATURAL ENVIRONMENT MANAGER ASSETS & PROJECTS

6 SEPTEMBER 2016

	IMPACTS											
Financial	Legislative	Council Policy	Planning Policy	Resources & Staff	Community	Environmental	Consultation	Risk Management				
~	~	\checkmark		~	✓	✓	~	✓				

OBJECTIVE

Council to consider entering into a contract for the construction of the Kilmany Landfill works.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That:

- 1. Council adopts the recommendations contained in the attached confidential Tender Evaluation Report for contract 2016 - 012 Kilmany Landfill Works; and
- 2. That the information contained in the attached document and designated under Section 77 Clause (2)(c) of the Local Government Act 1989 as confidential by the Chief Executive Officer on 16 August 2016 because it relates to the following grounds under Section 89(2) of the Local Government Act 1989: d) contractual matters;

be designated confidential information under Section 77 Clause (2)(b) of the Local Government Act 1989.

BACKGROUND

Under the EPA licence conditions Wellington Shire Council is required to progressively rehabilitate old landfill areas as new landfill cells are constructed. This project is for the construction of Landfill Cell 2 to be constructed and Stage 1 of the final capping to the original landfill area. Based on current waste volumes Landfill Cell 2 will provide approximately 4 years of landfill capacity.

Works under this contract are expected to be completed in May 2017.

OPTIONS

Council have the following options available:

- To enter into a contract for the Kilmany Landfill construction works as described; or
- To not enter into a contract for the Kilmany Landfill construction works as described.

PROPOSAL

That Council adopts the recommendations contained in the attached confidential Tender Evaluation Report for contract 2016 012 Kilmany Landfill Works.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

FINANCIAL IMPACT

This project is within budget and is funded from the Waste Infrastructure Reserve and is included in the 2016/17 Capital Works Program as adopted by Council.

LEGISLATIVE IMPACT

Wellington Shire Council is committed to ensuring the Contract tendering process complies with the *Victorian Local Government Act 1989* and the Victorian Local Government Code of Tendering.

RESOURCES AND STAFF IMPACT

The Assets & Projects Unit will provide the staff and resources to manage this contract.

COMMUNITY IMPACT

Works will be conducted to the East of the Kilmany Transfer Station with no interruption to the daily running of the facility, thus there is no direct community impact during construction of the cell. Construction of the cell will result in a modern and compliant landfill.

ENVIRONMENTAL IMPACT

The proposed works will have minimal environmental impact, with the contractors complying with Council's Guidelines on Environmental Management for Roadwork Projects.

CONSULTATION IMPACT

The works are located in a non-public accessible area of the Kilmany Landfill and licence conditions are actively managed by the Environmental Protection Authority.

RISK MANAGEMENT IMPACT

It is considered that the proposed contract works will not expose Wellington Shire Council to any significant risks. All OH&S risks will be discussed with the contractor and allocated to the party in the best position to manage each risk.

The rehabilitation of the current landfill and construction of the new cell will ensure Wellington Shire Council remains compliant with EPA licensing requirements.



GENERAL MANAGER COMMUNITY AND CULTURE

ITEM C5.1

MUNICIPAL ASSOCIATION OF VICTORIA AGE FRIENDLY VICTORIA DECLARATION

DIVISION:	COMMUNITY AND CULTURE
ACTION OFFICER:	ACTING MANAGER COMMUNITY WELLBEING
DATE:	6 SEPTEMBER 2016

	IMPACTS										
Financial	Communication	Legislative	Council Policy	Council Plan	Resources & Staff	Community	Environmental	Consultation	Risk Management		
			√	\checkmark	√						

OBJECTIVE

The purpose of this report is for Council to formally demonstrate support for 'age-friendly communities' by signing the Victorian Government and Municipal Association of Victoria's Age Friendly Victoria Declaration.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That Council formally demonstrate support for 'age-friendly communities' by signing the Victorian Government and Municipal Association of Victoria's Age Friendly Victoria Declaration.

BACKGROUND

Age-friendly communities encourage active ageing and optimise opportunities for good health, social and economic participation and personal security for older citizens.

Wellington Shire Council, in aspiring to improve the age-friendliness of our community, acknowledges the great diversity of our older population, promotes inclusion of older people and respects their decisions and lifestyle choices.

Local government plays a key role in planning and establishing age-friendly communities and has been assisted in this by the Victorian Government in collaboration with the Municipal Association of Victoria, via the establishment of the Age-Friendly Communities Grant Program.

Wellington Shire Council was successful in their funding application to the Age-Friendly Communities' Grants program for the amount of \$100,000. The grant program will assist Council to develop and deliver on a collaborative plan with measurable outcomes to improve this municipality as an Age Friendly Community. The planning process will include service providers, businesses, community leaders and older people in planning to meet Wellington Shire's ageing-related needs.

A briefing was presented to Council on 5 July 2016.

As part of the Age-Friendly Communities Grant Program, we are seeking Council to formally support the Age-Friendly Victoria Declaration. This declaration highlights a commitment to "promote the inclusion of older people in our thinking and practices to enhance the quality of life for people as they age".

OPTIONS

Council has the following options:

- 1. Formally acknowledge at a Council Meeting their support for the Age-Friendly Victoria Declaration; or
- 2. Decline to formally acknowledge their support for the Age-Friendly Victoria Declaration, and requests further information from officers.

PROPOSAL

That Council formally demonstrate support for 'age-friendly communities' by signing the Victorian Government and Municipal Association of Victoria's Age Friendly Victoria Declaration.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

COUNCIL POLICY IMPACT

Wellington Shire Council, as part of the Age-Friendly Communities Grant Program, will develop an Age Friendly Strategy. Planning for this strategy has commenced, and will be brought to Council for adoption.

COUNCIL PLAN IMPACT

The Council Plan 2013–17 Theme 1 - Leadership and Engagement states the following strategic objective and related strategies:

<u>Strategic Objective</u>: Our community is informed about Council business and is involved in Council decision making. Council advocates on behalf of the community.

<u>Strategy 1.1</u>: Ensure sound processes are in place to facilitate input into Council deliberations and decision making.

Strategy 1.2: Maintain sound processes to inform the community about Council business.

This report supports the above Council Plan strategic objective and strategies.

RESOURCES AND STAFF IMPACT

As part of the Age-Friendly Communities Grant Program, external funding will be used to recruit a Project Officer to assist in developing the strategy. Funds have also been allocated to finance small projects associated with Council's Age Friendly Strategy.

Victorian Government and Municipal Association of Victoria

/AGE-FRIENDLY / VICTORIA

DECLARATION

Vision

The vision of the Victorian Government and the Municipal Association of Victoria in signing this Declaration is for better state and local planning for the creation of age-friendly communities. This is the focus of our shared activities on common goals and directions.

Population a geing is a world-wide phenomenon as a consequence of increasing life expectancy. In Victoria, people are living longer and many of today's young Victorians will live beyond 90, even 100, years. We need to create communities that respond to this significant social change and better support people as they age.

It is vital that governments focus on the opportunities as well as the challenges of an ageing population. While older people contribute significantly to our communities, there is more to be done to support and develop the roles and contributions of older people. Ageing populations require actions that promote quality of life and wellbeing, value the contributions that alder people make to their communities, remove barriers to participation, and enable people to 'age in place' and maintain local connections and community belonging.

Age-friendly communities encourage active ageing and optimise opportunities for good health, so dal and economic participation and personal security. They recognise the great diversity of our older population, promote inclusion of older people and respect their decisions and lifestyle choices. They involve service providers, businesses, community leaders and older people in planning to meet ageing-related needs. They enhance quality of life for people as they age, and benefit the whole community.

Local government plays a key role in planning and establishing age-friendly communities and has been assisted in this by the Victorian Government in collaboration with the Municipal Association of Victoria. The Victorian approach is informed by the World Health Organization's Age-friendly Cities framework, and the experience of councils' use of World Health Organization's information and tools.

Experience shows that the best way to strengthen the age-friendly capacity of local communities is through partnerships between seniors, governments, communities, businesses, services and support agencies. In partnership with the Municipal Association of Victoria, the Victorian Government has been supporting local government since 2006 with initiatives aimed at improving their capacity to plan for and support seniors, and to create communities that better accommodate their ageing populations.

This partnership approach has raised the awareness of ageing across both levels of government, improved knowledge and understanding of international age-friendly cities and communities, and created local age-friendly initiatives. This Declaration builds on these strengths and furthers the partnership between state and local government to continue to support and assist Victorian councils to create age-friendly communities.

-01 C

Martin Foley MP Minister for Housing, Disability and Ageing Date: 14 April 2016

Cr Bill McArthur President, Municipal Association of Victoria





Authorised and published by the Victorian Government, 1 Treasury Place Helbourne & State of Victoria, Department of Health and Human Services, April 2010. Printed by Snap Printing, West Helbo ume (19030340). To receive this publication in an accessible formatemail agefriendly vicigibility of govau

Commitment

The Victorian Government and the Municipal Association of Victoria will build the age-friendly capacity of local communities by:

- promoting an age-friendly Victoria through the role and achievements of local government in creating age-friendly communities and providing leadership to encourage local councils and stakeholders to develop the principles of the age-friendly attea and community directions
- 2 supporting state and local planning processes to create age-friendly communities and using the knowledge, information and tools available through the World Health Organization's Global Network of Age-friendly Cities
- providing local councils with leading advice, expertise, access to networks, policy information and other support to encourage local age-friendly initiatives
- empowering seniors' involvement in local age-friendly initiatives by assisting councils to develop active engagement structures and models of localised seniors community input
- encouraging seniors to get involved in areas they see as important such as local community transport, volunteering, community participation, diversity of housing options, seniors safety, technology access and lifelong learning
- addressing the built environment, transport, housing, social participation, respect and social inclusion, dvic participation and employment, communication, and community support and health services for age-friendly communities as listed in the 2008 World Health Organization's Age-friendly Cities: A Guide
- 2 valuing stakeholder engagement and working together to promote and strengthen partnerships with peak bodies, community organisations, businesses, retailers and council-run facilities.

Victorian Government and Municipal Association of Victoria

/AGE-FRIENDLY / VICTORIA

DECLARATION

Statement of Support and Partner Endorsement

Vision

The vision of the Victorian Government and the Municipal Association of Victoria in signing this Declaration is for better state and local planning for the creation of age-friendly communities. This is the focus of our shared activities on common goals and directions.

Commitment

The Victorian Government and the Municipal Association of Victoria will build the age-friendly capacity of local communities by:

- promoting an age-friendly Victoria through the role and achievements of local government in creating age-friendly communities and providing leadership to encourage local councils and stakeholders to develop the principles of the age-friendly cities and community directions
- supporting state and local planning processes to create age-friendly communities and using the knowledge, information and tools available through the World Health Organization's Global Network of Age-friendly Cities
- providing local councils with leading advice, expertise, access to networks, policy information and other support to encourage local age-friendly initiatives
- empowering seniors' involvement in local age-friendly initiatives by assisting councils to develop active engagement structures and models of localised seniors community input
- encouraging seniors to get involved in areas they see as important such as local community transport, volunteering, community participation, diversity of housing options, seniors safety, technology access and lifelong learning
- 6. addressing the built environment, transport, housing, social participation, respect and social inclusion, civic participation and employment, communication, and community support and health services for age-friendly communities as listed in the 2008 World Health Organization's Age-friendly Cities: A Guide
- valuing stakeholder engagement and working together to promote and strengthen partnerships with peak bodies, community organisations, businesses, retailers and council-run facilities.

The undersigned organisation:

- fully endorses and supports the vision of the Age-Friendly Victoria Declaration for better state and local government planning
- recognises the integral role of older people in achieving an age-friendly Victoria and commits to the ongoing involvement of older people
- endorses the importance of partnerships between government, the community and the business sectors in working together
- agrees to work in partnership with the Victorian Government and/or the Municipal Association of Victoria to achieve an age-friendly Victoria.

lignature
lame
Position
Organisation



Authorised and published by the Victorian Government, 1 Treasury Place Helbourne & State of Victoria, Department of Health and Human Services, April 2016. Printed by Snap Printing, West Helbo ume (1903034) To receive this publication in an accessible formatemail og efniendlyvic@dnhuvicg.org

Date

ITEM C5.2

BRIAGOLONG RECREATION RESERVE COMMITTEE OF MANAGEMENT MINUTES

DIVISION: ACTION OFFICER: DATE: COMMUNITY AND CULTURE

MANAGER HEALTHY LIFESTYLES

6 SEPTEMBER 2016

	IMPACTS									
Financial	Communication	Legislative	Council Policy	Council Plan	Resources & Staff	Community	Environmental	Consultation	Risk Management	
		\checkmark	\checkmark	\checkmark				\checkmark		

OBJECTIVE

For Council to receive the minutes from the Briagolong Recreation Reserve Committee of Management's Ordinary Meeting held on 8 August 2016.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That Council receive the minutes from the Briagolong Recreation Reserve Committee of Management's Ordinary Meeting held on 8 August 2016.

BACKGROUND

The Briagolong Recreation Reserve Committee of Management is a Special Committee of Council under Section 86 of the *Local Government Act 1989* and operates within the provisions of a Council approved Instrument of Delegation.

The objectives of the Special Committee are:

- To manage, operate and maintain the Briagolong Recreation Reserve for the community in an efficient, effective and practical manner.
- To undertake activities designed to protect, promote, utilise and develop the Briagolong Recreation Reserve for the use and enjoyment of the local community.

As provided under the Committee's Instrument of Delegation the minutes of all meetings are to be presented to Council and highlight the day to day activities being undertaken by the Committee.

OPTIONS

Council has the following options:

- 1. Receive the minutes from the Briagolong Recreation Reserve Committee of Management's Ordinary Meetings held on 8 August 2016; or
- 2. Seek further information to be considered at a future Council Meeting.

PROPOSAL

That Council receive the minutes from the Briagolong Recreation Reserve Committee of Management's Ordinary Meetings held on 8 August 2016.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

LEGISLATIVE IMPACT

This report is in accordance with Section 91(4) of the Local Government Act 1989.

COUNCIL POLICY IMPACT

This report is in accordance with Council Policy 5.3.2 which establishes a framework for the guidance of Council in relation to the roles and responsibilities of Committees.

COUNCIL PLAN IMPACT

The Council Plan 2013-17 Theme 4 Infrastructure states the following strategic objective and related strategy:

<u>Strategic Objectives</u> Asset and infrastructure that meet current and future community needs.

Strategy 4.2

Ensure assets are managed, maintained and renewed to meet service needs.

CONSULTATION IMPACT

Meetings held by the Briagolong Recreation Reserve Committee of Management are open to the public.

BRIAGOLONG RECREATION RESERVE Special Committee of Council

MINUTES

MEETING DATE: 8th AUGUST 2016 MEETING TIME: 7.30 PM MEETING VENUE: BRIAGOLONG RECREATION RESERVE

1. Present/apologies

Name	Title	Representing	Present/Apolo
			ду
Peter Cleary	Councillor	Wellington Shire Council	Apology
Jenny Elliot	President	Briagolong & District Pony Club	Present
Kylie Wright	Secretary	Briagolong & District Pony Club	Present
Vanessa	Treasurer	Briagolong Tennis Club	Present
Randle			
Mick Pleydell		Briagolong Tennis Club	Present
Sean Padman		Briagolong Cricket Club	Present
Denis Murphy		Briagolong Cricket Club	Present
Stephen Noble		Community	Apology
Darren Randle		Community	Present
Josh Harry		Community	Apology
Jess Fry		Briagolong Junior Football	Present
Sharn Anlezark		Briagolong Junior Football	Present

Quorum achieved: YES

2. Declaration of conflicts of interest: NIL

3. Confirmation of minutes of previous meeting:

Moved: Jenny Seconded: Vanessa

4. Business arising from previous meeting:

- Previous June 2016 minutes re written were accepted. Moved by Jenny, Seconded by Vanessa.
- Facility Fault report maintenance list has mostly been attended to, many thanks to those present at working bee. Few items left will be completed during Cricket Clubs working bee on the 27th August 2016, Sean will let Steve know what these items are as he has offered to complete them.

5. Correspondence in:

- Email received by Kylie from Briony Padman re: Denis Murphy is new cricket representative for Briagolong Recreation Reserve Committee. Denis has completed paperwork, awaiting shire approval.
- Treasurers report July 2016 received by Kylie via email from Vanessa.

- Emails from and to Marcus Stone by Kylie in regards to draftsperson being contacted re: new facility.
- Letter received from Tracey Binger re: campsite debris (including glass) and grass damage at southern end of tennis courts. Discussion with members present re: possible signage; decision if it continues signage may be necessary, otherwise hopefully a 1 off.

6. Correspondence out -

• As above

7. Reports –

7.1 Presidents report –

• NIL

7.2 Treasurers report -

- Treasurers report for July 2016 tabled by Vanessa, accepted by all present.
- Statement of receipts and expenses for year ending 30th June 2016 presented by Vanessa.
- Draft budget presented by Vanessa for 2016/2017, accepted by all present.
- Vanessa informed all books are currently with accountant for end of year balancing.

7.3 User group reports -

Cricket club -

- Denis Murphy is new member for Briagolong Recreation Reserve committee Welcome.
- Sean reported club is having pitch work completed mid September.
- 2 English players will be residing in Briagolong for the upcoming season.
- Working bee planned for 27th August, everyone welcome to attend and pitch in.

Football club -

- Round Robin held 7th August HUGE success, many compliments for a smoothly run day Well done Briagolong Football Club!!!!!!
- Final date for finals if they are held at Briagolong is Sunday 28th August.

Pony Club -

- Rally this coming weekend.
- Gymkhana date planned clashes with other competitions so has been postponed for now.
- Stratford pony club member Darcy Wade who attended Ireland representing Australia in Equestrian Triathlon recently came 4th in the world, team came 5th Congratulations to all.

Community –

- CRG have not met since last meeting.
- Discussion regarding market weekends a possibility for Rec Reserve to run.

Tennis Club –

- Training to commence soon.
- AGM held recently, Tracey: President, Megan: Secretary, Gerard: Treasurer.
- Junior tennis starts in early October.

Shire –

• NIL representation present.

8. Volunteers: NIL this month

9. OHS/Risk/Facility Fault report:

- Disability access concerns still being raised by community members.
- Female change rooms supporting women to participate in sport is of upmost importance, Briagolong Recreation Reserve has no facilities for female players or umpires to change in.
- Facility Faults Report attended to during working bee, some items left will be attended to during Cricket club working bee on 27th August.

10. New Rules of the Committee:

All members to read.

General Business –

- Thankyou to Llewyn, Darren and Jake for all the lawn mowing prior to Round Robin, recreation grounds look great.
- Jenny supplied new wall calendar, all clubs to enter their own events please, located on wall upon entry to kitchen.
- Mick moved to open an account for recreation reserve fund, Seconded by Kylie, agreed by all present.
- Vanessa will send invoices to clubs for fundraising amounts of \$5,000 required for new facility, payable by end of June 2017.
- Sealer for roller door very expensive Sean will look into alternatives.
- Mick can supply a quote for range hood in kitchen.
- Top dressing of top oval prior to Cricket season discussed. Only trouble areas identified during meeting to be worked on. Darren suggested a \$2,000 quote limit, Seconded by Kylie, agreed by all present.
- Darren will organise a dry chemical fire extinguisher for kitchen and attend to mounting all fire extinguishers with John Briagolong Fire Brigade.
- Mardi Gras entrant discussed. Committee agreed not to pursue this fundraiser this year. Bi-monthly events to be worked upon for fundraising by Committee as a whole.

Mtg closed: 9.30 pm

8. Next meeting: 8th August 2016 @ 7.30pm

	Treasurers Report for meeting held August 8 2016 Reconciled Statement for July 31 2016						
Cash at Bank as at 30/06/2016		13,709.42					
Income:							
July							
Bank Interest	0.39						
Briag Tennis Club - Rent WSC - GST return	750 123.77						
wsc-ost leum	123.11						
		874.16					
Payments:							
July							
Sale & district garage doors	825						
Town and Country Locksmiths - main door lock repair	149.6						
		974.60					
		374.00					
Reconciled Bank Balance to date		13,608.98					
unpresented chq's & deposits CFA - Extinguisher inspection	60.5						
Cr A - Exangularier mapeculori	00.0	60.50					
closing balance of accounts to date		13,669.48					
Cheques to be authorised							
V Randle - Kitchen floor sealer	220.25						
	.	220.25					
Balance F	Remaining to date	13,889.73					

incoming correspondence:

outgoing correspondence: Invoice to WSC - \$1,386.00 (Facilities maintenance funds)

ITEM C5.3

ESSO BHP BILLITON WELLINGTON ENTERTAINMENT CENTRE ADVISORY GROUP MINUTES

DIVISION: ACTION OFFICER: DATE: COMMUNITY & CULTURE ACTING MANAGER ARTS AND CULTURE 6 SEPTEMBER 2016

	IMPACTS										
Financial	Communication	Legislative	Council Policy	Council Plan	Resources & Staff	Community	Environmental	Consultation	Risk Management		
			\checkmark	\checkmark		\checkmark		\checkmark			

OBJECTIVE

To receive the minutes from the Esso BHP Billiton Wellington Entertainment Centre Advisory Group meeting held on 9 June 2016.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That Council receive the minutes of the Esso BHP Billiton Wellington Entertainment Centre Advisory Group meeting held on 9 June 2016.

BACKGROUND

The Esso BHP Billiton Wellington Entertainment Centre Advisory Group is a Committee of Council that meets on a quarterly basis. The membership of the Esso BHP Billiton Wellington Entertainment Centre Advisory Group includes one Councillor representative, seven community members, and the Entertainment Centre Manager (ex-officio).

As provided under the Committee's Instrument of Delegation approved on 18 February 2014, the objectives and Terms of Reference of the Committee are to provide advice to the Wellington Shire Council representing equally and fairly the views, requirements and aspirations of the Centre in relation to:

- Advise Council on policies for the management and promotion of the performing arts in the Wellington Shire, in particular in relation to the Centre but also on other matters as designated by the Council.
- Develop and encourage community participation in, and utilisation of, the Centre and to assist with promoting the Centre's events and facilities to patrons and hirers.
- Advise the Entertainment Centre Manager of the Centre regarding the engagement of performances and events within the Centre's product mix.
- Liaise with the Council's art gallery and promote cooperation between the Centre and other cultural services of Council.
- Utilise networks to obtain support for the Centre, both financial and non-financial, and to assist with philanthropic support of those activities.

It is to be noted that these minutes have yet to be formally ratified by a future Advisory Group meeting and are provided for the information of Council.

OPTIONS

Council has the following options:

- 1. Receive the minutes from the Esso BHP Billiton Wellington Entertainment Centre Advisory Group meeting held on 9 June 2016; or
- 2. Request additional information and receive the minutes from the Esso BHP Billiton Wellington Entertainment Centre Advisory Group meeting held on 9 June 2016 at a future Council meeting.

PROPOSAL

To receive the minutes from the Esso BHP Billiton Wellington Entertainment Centre Advisory Group meeting held on 9 June 2016.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

COUNCIL POLICY IMPACT

This report is in accordance with Council Policy 5.3.2 which establishes a framework for the guidance of Council in relation to the roles and responsibilities of Committees.

COUNCIL PLAN IMPACT

The Council Plan 2013-17 Theme 4 Infrastructure states the following strategic objective and related strategy:

<u>Strategic Objectives</u> "Asset and infrastructure that meet current and future community needs."

Strategy 4.3

"Manage Council community facilities planning to ensure that outputs are based on identified community needs."

This report supports the above Council Plan strategic objective and strategy.



Advisory Group

Minutes Wednesday June 9th 2016 – 6:00 PM Equus Cafe Entertainment Centre

Item	
Open meeting	6:00pm
Present:	Stephen Dwyer, Don Carmichael, Jo Clancy, Cr. Scott Rossetti, Deirdre Relph.
In Attendance:	Sharon Houlihan, Andrew Thomson, Stephen Dempsey, Brendan Peters, Sharon Macgowan.
1. Apologies	Cr. Carolyn Crossley,
2. Conflict of Interest	
3. Approval of Previous Minutes	Motion to accept minutes of previous meeting as true and correct. Moved: Jo Clancy Seconded: Don Carmichael
4. Business Arising	There was no business arising from the previous minutes.
5. General Business	1. Port of Sale Update
	 Sharon Houlihan reported that the tender process had begun. A 'latest' concept of the landscape design was presented to the meeting. There is a preference for the outdoor cultural precinct design to create linkages between the numerous spaces. The extension of the café decking will not go ahead to the extent it was originally proposed. The Advisory Group reiterated that the intent for the deck was not to extend the café space, but to create a large open space on Foster Street that would draw visitors to stop and then expose the view and access to the Port. The garden bed and fencing between the Entertainment Centre and Desailly St will be replaced by terraces and seating areas. The Advisory Group again strongly voiced that any changes at Foster Street and the Entertainment Centre should be focused on access to the port, not the restaurant. There was discussion about the need to lift tree canopies to open the view to the port and access requirements for the EBBWEC loading dock. Action: Sharon H to pass Advisory Group comments onto design team.

2. Golden Moments

Andrew advised that the "Golden Moments" series presented by Gippsland Regional Arts Sale will evolve next year to become the "Silver Sunday Matinee Series". With dwindling numbers for the mid-week morning shows G.R.A.S. has been finding funding the program very difficult. EBBWEC will commit to the new format as a cost neutral exercise to help support G.R.A.S. and their program.

3. Naming Rights

With the naming rights agreement with Exxon Mobil due to expire in under 18 months, the Advisory Group agreed that work on a new name and subsequent branding short start as soon as possible. After various suggestions were put forward the group recommended that "The Wedge" would be the most appropriate new name for the centre.

MOTION: That "The Wedge" be proposed as the preferred new name for the Esso BHP Billiton Wellington Entertainment Centre. **Moved:** *Deirdre Relph* **Seconded:** *Don Carmichael*

4. Centre master plan

Discussion took place in regards to the new Gallery / Library building's main entrance being at and focusing on the Port while EBBWEC's main entrance will remain on the highway. The advisory group consider it was an appropriate time to visit the future plans for EBBWEC and how the centre will fit into the new cultural hub.

MOTION: The Entertainment Centre Manager begin a process to develop a masterplan for the EBBWEC.

Moved: Deirdre Relph Seconded: Don Carmichael

5. Air Conditioning

Deirdre reported that the temperature in the theatre and been very cold for the last few shows. Brendan informed the meeting that the A/C had suffered numerous breakdowns over the last month and believed the problem had been solved for the time being.

Meeting Closed7.05 PMNext meetingWednesday August 17th 2016 at 6.00pm

Please call 5143 3200 or email andrew.thomson@wellington.vic.gov.au to RSVP.

ITEM C5.4

DIVISION: ACTION OFFICER: DATE:

COMMUNITY ENGAGEMENT STRATEGY 2016-2020

COMMUNITY AND CULTURE ACTING MANAGER COMMUNITY WELLBEING 6 SEPTEMBER 2016

	IMPACTS										
Financial	Communication	Legislative	Council Policy	Council Plan	Resources & Staff	Community	Environmental	Consultation	Risk Management		
			\checkmark	\checkmark	\checkmark	\checkmark					

OBJECTIVE

To seek Council adoption of the Community Engagement Strategy 2016-2020.

PUBLIC QUESTIONS AND COMMENTS FROM THE GALLERY

RECOMMENDATION

That Council adopt the Community Engagement Strategy 2016-2020 as attached.

BACKGROUND

In 2011 Council's first community engagement strategy was developed by the Media and Public Relations Unit and involved extensive public consultation.

The Community Engagement Strategy 2011-2015 included a detailed action plan. The majority of this action plan was completed with an allocated resource provided to deliver the listed activity.

The current draft Community Engagement Strategy 2016-2020, reflects the intent of the 2011 Strategy and uses plain English to make it easy to understand.

The Community Engagement Strategy was released for public comment through an online survey on 21 June 2016 for a period of five weeks. Two hundred responses were received, all of which supported the intent and content of the 2016-2020 Strategy.

Some concerns were expressed whether the Strategy would be implemented by staff. To address those concerns, an Action Plan will be written to drive implementation of the strategy and allow evaluation and clear reporting of its progress.

The Community Engagement Strategy was presented to a Council Workshop on Tuesday 16 August 2016, with no changes requested.

Community engagement is the responsibility of all Council Business Units. The Community Wellbeing Unit will facilitate building the capacity of staff to engage with their community through the process documented in the strategy. However, managers and leaders will be responsible to ensure consistency in the community engagement process across the organisation.

OPTIONS

Council have the following options:

- 1. Adopt the Community Engagement Strategy 2016-2020; or
- 2. Decline to adopt the Community Engagement Strategy 2016-2020 at this meeting and request further information from officers.

PROPOSAL

That Council adopt the Community Engagement Strategy 2016-2020 as attached.

CONFLICT OF INTEREST

No staff and/or contractors involved in the compilation of this report have declared a Conflict of Interest.

COUNCIL POLICY IMPACT

An Action Plan will be developed to drive implementation of the strategy and allow evaluation and clear reporting of its progress.

COUNCIL PLAN IMPACT

The Council Plan 2013–17 Theme 1 - Leadership and Engagement and Theme 2 – Organisational states the following strategic objective and related strategies:

<u>Strategic Objective</u>: Our community is informed about Council business and is involved in Council decision making. Council advocates on behalf of the community.

<u>Strategy 1.1</u>: Ensure sound processes are in place to facilitate input into Council deliberations and decision making.

Strategy 1.2: Maintain sound processes to inform the community about Council business.

<u>Strategy 1.3</u>: Council Strategies and Plans reflect the aspirations of our diverse communities.

Strategy 1.4: Relationships with key stakeholders are fostered.

<u>Strategy 1.5</u>: Advocate on the community behalf to State and Federal agencies, the private sector and industry on a range of issues relevant to Wellington Shire Council.

<u>Strategic Objective</u>: An organisation that is responsive, flexible, honest, accountable and consistent.

<u>Strategy 2.3</u>: Ensure sound governance processes that result in responsive, ethical, transparent and accountable decision making.

This report supports the above Council Plan strategic objectives and strategies. It is a key document which has impact on the success of all areas of Council business.

RESOURCES AND STAFF IMPACT

Meeting Agenda - Ordinary Meeting 6 September 2016

It is the role of the Community Engagement Officer to work with community and Council officers to increase capacity for effective community engagement in all business areas.

A Community Engagement Focus Group will be facilitated by the Community Engagement Officer from 36 public nominations received from the online survey.

An internal Community Engagement Working Group meets periodically to approve the Action Plan and monitor/evaluate progress.

Community Engagement Strategy 2016 to 2020



Tell me, I forget. Show me, I remember. Involve me, I understand. - Chinese proverb

Wellington Shire Council is committed to genuine and effective community engagement in council planning and decision making. Good engagement allows the Council and those with whom it engages to understand wider perspectives and aspirations of communities and to look at alternative solutions. Community Engagement processes also provide the basis for productive relationships, improved dialogue and deliberation, and ultimately, better democracy.

This Community Engagement Strategy applies to Council Officers and those working within Wellington Shire Council who need to consider community engagement.

Alongside this strategy sits a set of tools to assist Council staff in planning, preparing, implementing and reporting on community engagement processes.

Wellington Shire is home to over 40,000 people who live across more than 30 communities that range in size from a handful of people to 14,000 in the major centre of Sale. The needs of all of these people and communities differ.

In 2010, over 1800 Wellington Shire residents and ratepayers provided input into the development of Council's first Community Engagement Strategy 2011-2015. Appendix A - Community Consultation Findings Report contains additional detail on the extensive consultation process undertaken. It was the most comprehensive consultation that Council has carried out and, in reviewing the Strategy for 2015 – 2018, it was recognised that two of the key learnings were still particularly relevant and in need of further work by Council:

- 1. Closing the feedback loop in community engagement processes, and
- The development of consistent community engagement practices across the organisation.

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What is community engagement?

The International Association for Public Participation (IAP2), the recognised international leader in community engagement, provides the following definition: Community engagement is 'any process that involves the public in problem solving or decision making and uses public input to make decisions'.

Depending on the situation engagement can be formal or informal, direct or indirect, within the community or within the organisation.

IAP2 has developed core values for community engagement, which Council has adopted and are committed to using in the development and implementation of community engagement processes.

Community engagement does:

- Assume that the public have a right to be involved in decisions about actions that could affect their lives.
- Include the promise that the public's contribution will influence the decision.
- Promote sustainable decisions by recognising and communicating the needs and interests of all participants, including decision makers.
- Seek out and facilitate the involvement of those potentially affected by or interested in a decision.
- 5. Seek input from participants in designing how they participate.
- Provide participants with the information that they need to participate in a meaningful way.
- 7. Communicate to participants how their input will affect the decision.

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Community engagement does not:

- Take away decision making powers from councillors or the organisation. It adds value to the process by increasing the understanding of the issues.
- Involve gaining community input where a decision has already been made or where the community cannot effectively influence a final decision.
- Engage on matters that are outside the scope of influence of the community. Constraints, limitations and non negotiables will be made clear from the start.
- Involve a process that expects participants to agree. Instead, it is an open process that creates opportunities to explore and discuss options, alternatives, needs and requirements, problem solve and reach consensus.
- Apply a rigid model or approach to every project. Community engagement must be flexible, open and responsive, and should be tailored to each project.

Why is Community Engagement important for Council?

It is now widely recognised that community engagement is an effective way of doing business, leading to better outcomes for the organisation and community.

As our primary approach in working externally and internally, Council:

- Enables our community to work together and respond on issues that matter to them.
- Provides opportunity to build stronger relationships between Council and the community it serves.
- Builds on the communities understanding of council's role and responsibilities as well as our financial and legislative requirements.
- Improves outcomes through the early identification of issues.
- Improves the quality of service delivery and policy development, to ensure they reflect the needs, interest and values of community.

The objectives of the Community Engagement Strategy

The objectives of the Community Engagement Strategy are to:

- Ensure all staff have an understanding and is aware of the commitment by Council to involve the public in the decision making process about issues that affect them.
- Ensure all Wellington Shire Council staff operate under the same code of conduct and set of guiding principles thereby bringing consistency and understanding to any community engagement process.
- Embed a consistent approach to community engagement across the organisation by providing guides, tools and training to all staff.

Who do we engage with?

To ensure that all voices are heard on a given topic, it is important that Council is mindful of the varying communities of interest that may be impacted by a decision.

The table below identifies the different subgroups Council engages with:

Community Stakehold	Community Gro	oups and	d Organisations			
Those identified as being directly affected by the decision or those wit interest in a plan, project or decision made by Council.	Those that provide a local service, work directly with community groups and organisations representing the views of their sector including sporting groups, special interest groups, place based interest groups and Community Planning Groups.					
Council Staff Anyone who is involved in community engagement activities including Councillors, council management and officers, contractors and consultants associated with Council.	famil vario disab	Government and No Government Agenc ding health, education, aged o y services, emergency service us government departments, y bility services, child support se Aboriginal services.	ies are, 25, youth,	Funding Partners Organisations that provide sponsorship or funding to support the delivery of programs, services, capital projects and other initiatives.		

Community

The people who live within the shire including individuals that work, visit and invest in the municipality. The general public includes residents, ratepayers, land owners, service users, workplace communities, ethnic and religious communities, Aboriginal communities, age based groups, people with a disability and those who have an interest in Wellington Shire Council.

Industry and Business Stakeholders

Those that are in a business or are involved in an industry which is directly affected or have an interest in Council decisions, projects and plans.

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The IAP2 Public Participation Spectrum developed by the International Association for Public Participation gives an indication of the methods and circumstances by which an engagement process with the community will be undertaken.

iap2 public participation spectrum developed by the international association for public participation

	INFORM	CONSULT	INVOLVE	COLLABORATE	EMPOWER
PUBLIC PARTICIPATION GOAL	To provide the public with balanced and objective information to sesist them in understanding the problems, alternatives and/or solutions.	To obtain public feedback on analysis, alternatives and/or decision.	To work directly with the public throughout the process to ensure that public issues and concerns and concerns are consistently understood and considered.	To partner with the public in each aspect of the decision including the development of alternatives and the identification of the preferred solution.	To place final cercision-making in the hands of the public.
PROMISE TO THE PUBLIC	We will keep you informed	We will keep you informed, listen to and acknowledge concerns and provide feedback on how public input influenced the peetsion.	We will work with you to ansure that your concerns and issues are directly reflected in the alternatives developed and provide teethack on how public input influenced the decision.	We will look to you for direct acrice and innovation in formulating solutions and incorporate your advise and recommendations in the maximum extent appsible.	We will implement what you decide.
EXAMPLE TOOLS	 Fact sheets Websitas Open houses 	 Public comment Focus groups Surveys Public meetings 	Workshops Oelberate poling	 Citizen Advisory committees Consensus- building Participatory 	 Citizen juries Ballots Delegated decisions

Role of the Community	Listen	Contribute	Participate	Partner	Decide
--------------------------	--------	------------	-------------	---------	--------

Decision making in local government is the responsibility of elected Councillors. Councillors by the very nature of the Local Government Act 1989 are ultimately responsible for the decisions of Council and to that end are unable to assign full decision making responsibilities to non-elected individuals. Wellington Shire Council believes that our community is able to experience the ultimate level of 'empower' (or empowerment) possible in this context, when it elects Council every four years.

Council engagement will therefore be focussed in four out of the five IAP2 engagement levels – inform, consult, involve and collaborate. In all engagement processes Council will be clear in naming the level of engagement that will be used.

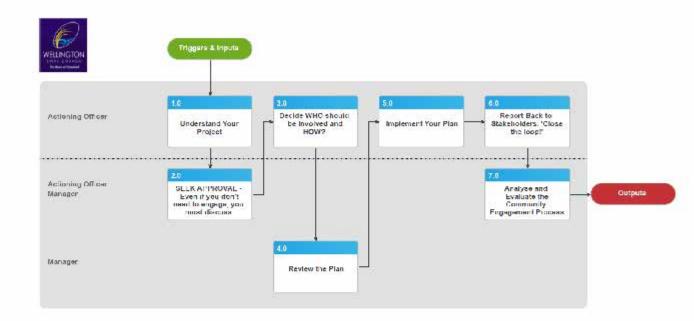
Levels of engagement examples

Different issues and situations will call for different engagement methods.

The table below shows examples of the different Levels of Engagement (and associated engagement tools) in past Council projects.

Level of	Wellington Shire Council Project	Examples of Tools and		
Engagement	Examples	Techniques		
Inform	 Thomson River Caravan Park Ninety Mile Beach Plan Emergency Events Annual Fire Prevention Inspections Hard waste collection schedule 	Wellington Matters Wellington News Council's social media channels; Facebook and YouTube Letters and email Media and community newsletter releases, articles and interviews Council website Public meetings		
Consult	 Council budget King George V Jubilee Avenue restoration Community Engagement Strategy development Boisdale Sewerage Scheme Open Space Plan 	 Survey Social media questions Seek public submissions and information Focus groups Have your say online forum Shopping centre displays 		
Involve	 Yarram Hub development Cultural Hub development Agricultural Position Paper Australia Day Awards Port Albert Lifestyle Lots Review 	 Project steering group One on one information and discussion sessions Round Table discussions Neighbourhood meetings 		
Collaborate	 Briagolong Town Tree Plan Sale Livestock Exchange refurbishment Recreation Reserve Masterplans Community Plans Town entry sign statements Healthy Wellington Council Elections 	 Public meetings Project steering groups Working groups/special interest/user groups such as Community Planning Groups Democratic Vote 		

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Wellington Shire Council Community Engagement Process

Keeping community engagement at the front of Council activity

A toolkit and a four year action plan will support the delivery of genuine and effective community engagement across council. The Community Engagement Steering Group, made up of representatives from a range of council business units, community groups and individual community members will meet on a quarterly basis to monitor progress within the action plan and add to the toolkit.

Essential to the successful implementation of the strategy will be the training and development of Council staff in the processes of community involvement.

Used in the development of this strategy we recognise the work of:

- Launceston City Council
- Engaging Canberrans: A guide to community engagement
- Warringah Council Community Engagement Strategy 2011







F. CONFIDENTIAL ATTACHMENT/S

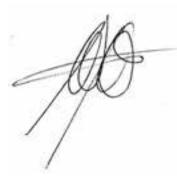
ITEM F1.1 DRAFT CONTRACT OF EMPLOYMENT - CHIEF EXECUTIVE OFFICER (REFER TO ITEM C2.3)



ORDINARY COUNCIL MEETING 6 SEPTEMBER 2016

On this 29 day of August 2016, in accordance with Section 77 Clause (2)(c) of the *Local Government Act 1989*; I, Arthur Skipitaris declare that the information contained in the attached document **ITEM F1.1 DRAFT CONTRACT OF EMPLOYMENT – CHIEF EXECUTIVE OFFICER** is confidential because it relates to the following grounds under Section 89(2) of the *Local Government Act 1989*:

d) contractual matters



Arthur Skipitaris General Manager Corporate Services

ITEM F1.2 PLACE NAMES COMMITTEE REPORT (REFER TO ITEM C4.1)



ORDINARY COUNCIL MEETING 6 SEPTEMBER 2016

On this 9 day of August 2016, in accordance with Section 77 Clause (2)(c) of the *Local Government Act 1989*; I, Chris Hastie declare that the information contained in the attached document **ITEM F1.2 PLACE NAMES COMMITTEE REPORT** is confidential because it relates to the following grounds under Section 89(2) of the *Local Government Act 1989*:

h) any other matter which the Council or special committee considers would prejudice the Council or any person;

Chris Hastie General Manager Built and Natural Environment

ITEM F1.3 2016-012 KILMANY LANDFILL WORKS TENDER AWARD (REFER TO ITEM C4.2)



ORDINARY COUNCIL MEETING 6 SEPTEMBER 2016

On this 26 day of August 2016, in accordance with Section 77 Clause (2)(c) of the *Local Government Act 1989*; I, Chris Hastie declare that the information contained in the attached document **ITEM F1.3 2016-012 KILMANY LANDFILL WORKS TENDER AWARD** is confidential because it relates to the following grounds under Section 89(2) of the *Local Government Act 1989*:

d)

contractual matters

Chris Hastie General Manager Built and Natural Environment



G. IN CLOSED SESSION

COUNCILLOR

That the meeting be closed to the public pursuant to Section 89(2) of the Local Government Act 1989 to consider:

- a) personnel matters
- b) the personal hardship of any resident or ratepayer
- c) industrial matters
- d) contractual matters
- e) proposed developments
- f) legal advice
- g) matters affecting the security of Council property
- *h)* any other matter which the Council or special committee considers would prejudice the Council or any person

IN CLOSED SESSION

COUNCILLOR That:

That:

That Council move into open session and ratify the decision made in closed session.