

**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Muntagin Dam
AA Dam Number	25
Reserve Number	14641
Shire	Shire of Merredin
WC Dam Category Classification	1
Land Tenure	Vested to the Water Corporation
Date of Comment Form Request	6 January 2004

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

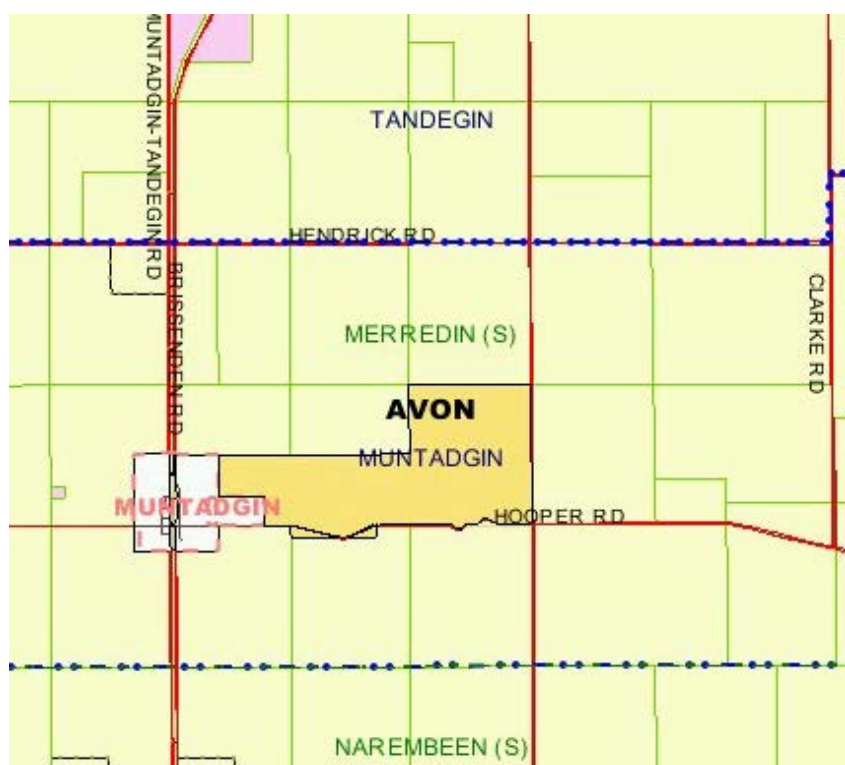
<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
3. Is your Agency only interested in the land parcel?	

**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
5. If your Agency does not require the AA Dam are there any management plan requirements?	
6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

AA Dam 25 Muntagin Dam – Reserve 14641 – A3235 – Vested to the Water Corporation



AA Dam 25 Muntagin Dam – Reserve 14641 – A3235 – Vested to the Water Corporation



**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Nocanning
AA Dam Number	26
Reserve Number	11222
Shire	Shire of Merredin
WC Dam Category Classification	Nil
Land Tenure	Vested to the Water Corporation
Date of Comment Form Request	6 January 2004

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
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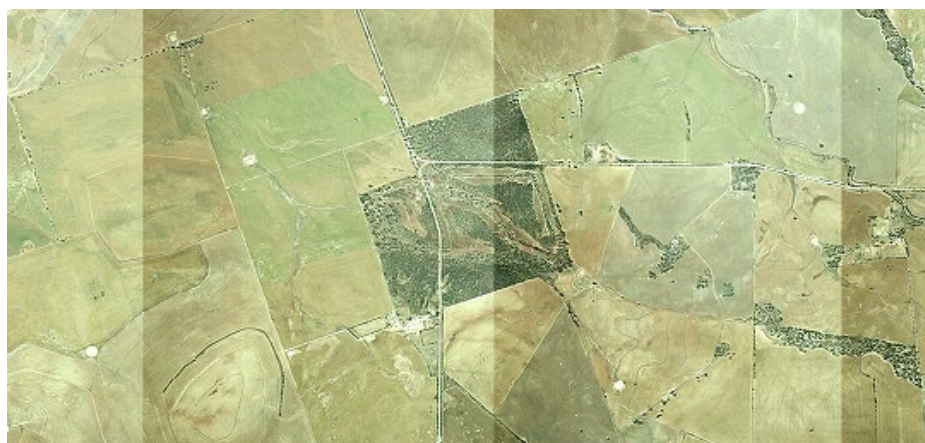
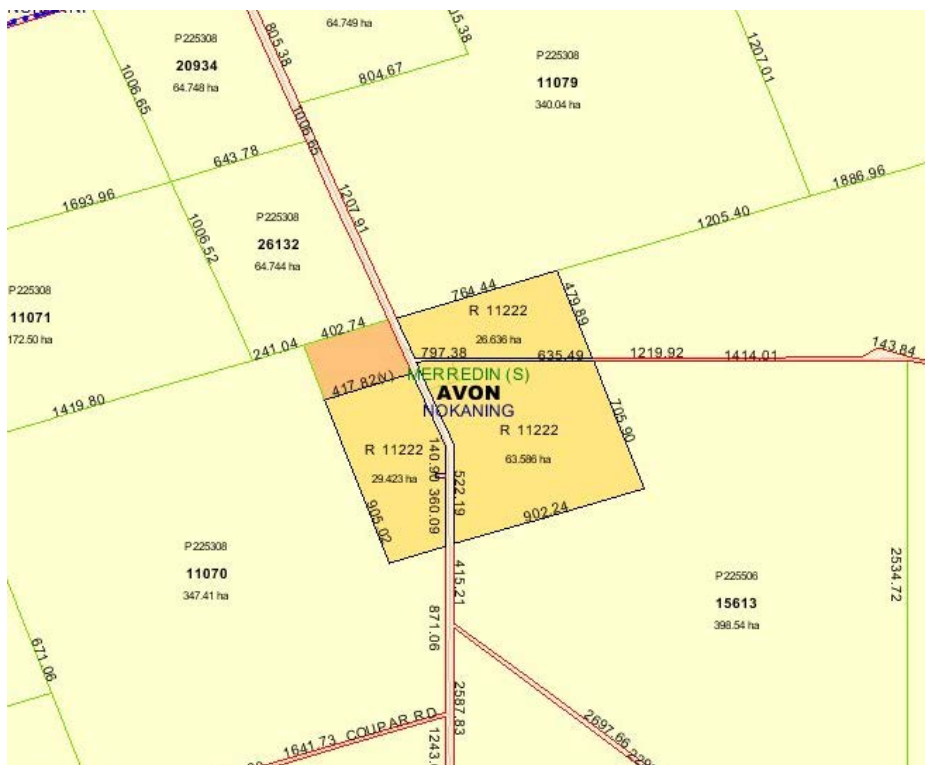


**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
5. If your Agency does not require the AA Dam are there any management plan requirements?	
6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

## AA Dam 26 Nocanning – Reserve 11222 – Unvested (Responsible Agency - Water Corporation)



**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Newcanie
AA Dam Number	44
Reserve Number	14718
Shire	Shire of Merredin
WC Dam Category Classification	4
Land Tenure	Vested to the Water and Rivers Commission
Date of Comment Form Request	6 January 2004

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
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**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
5. If your Agency does not require the AA Dam are there any management plan requirements?	
6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

AA Dam 44 Newcanie Dam – Reserve 14718 – A 6456 – Vested to the Water and Rivers Commission





AA Dam 44 Newcanie Dam – Reserve 14718 – A 6456 – Vested to the Water and  
Rivers Commission



**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Tandegin Rock
AA Dam Number	64
Reserve Number	15716
Shire	Shire of Merredin
WC Dam Category Classification	4
Land Tenure	Vested to the Water and Rivers Commission
Date of Comment Form Request	6 January 2004

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
3. Is your Agency only interested in the land parcel?	

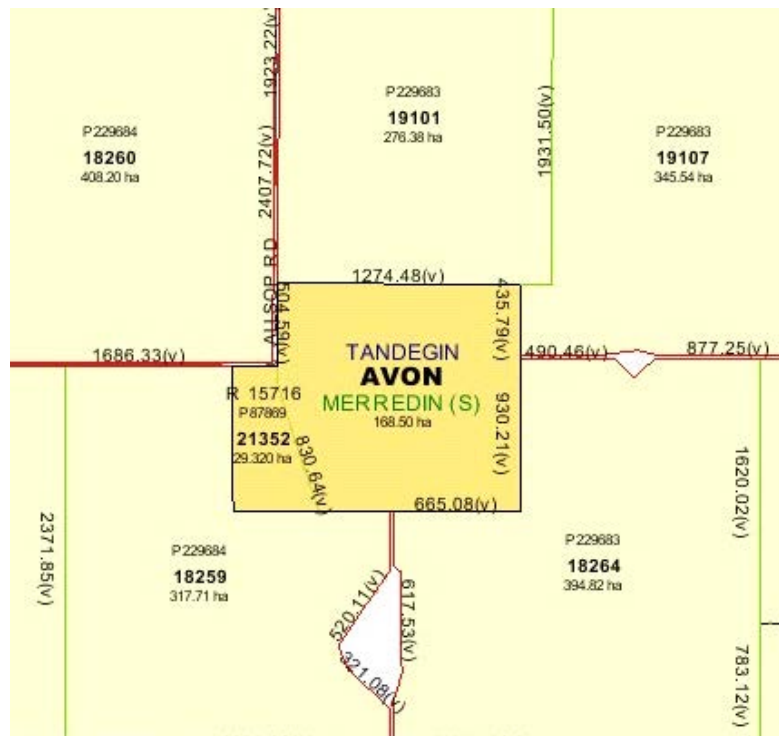
**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
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6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	



AA Dam 64 Tandegin Rock – Reserve 15716 – A 6513 – Vested to the Water and Rivers Commission.



AA Dam 64 Tandegin Rock – Reserve 15716 – A 6513 – Vested to the Water and Rivers Commission.



**JT1 2003 19052**  
**Cate Gustavsson**  
**08 9420 2209 (fax. 08 9420 3797)**

6 January 2004

Brett Beecham  
Wheatbelt Region  
PO Box 100  
NARROGIN 6312

**Agricultural Area (AA) Dams**  
**Shire of Merredin**

Dear Brett,

The Water Corporation as part of the rationalisation of AA Dams within Western Australia seeks your comments prior to 'use and disposal recommendations' being presented to the Steering Committee – AA Dams.

To facilitate a whole of Government approach to the Disposal Strategy the Corporation is seeking comments from external Stakeholders involved in the AA Dams disposal process based on the following seven questions: -

1. Is the AA Dam part of a water scheme?
2. Is it required by your Agency for water supply?
3. Is your Agency only interested in the land parcel?
4. Does your Agency require decommissioning of any infrastructure?
5. Does your Agency require a management plan?
6. Are you aware of any beneficial uses/users of the reserve?
7. Does your Agency have any further comments?

Please find accompanying this letter a CD which has a file on each of the dams for comment. Each file contains a Map & Photo's document and a Comment Form for uniform responses. It is the Water Corporations preferred option that you provide your response in an electronic format. On completion of the Comment Form please forward your response to me.

**To facilitate the process it is requested that the completed Comments Form be returned to the Water Corporation within 28 days.**

If you require any further information on the information requested or the project and its processes, please do not hesitate in contacting me.

Yours sincerely,

Cate Gustavsson  
Portfolio Analyst – Planning & Rationalisation  
Corporate Real Estate Branch  
cate.gustavsson@watercorporation.com.au

**JT1 2003 19052**  
**Cate Gustavsson**  
**08 9420 2209 (fax. 08 9420 3797)**

6 January 2004

Dr. Neil Coles  
Department of Agriculture  
Locked Bag No. 4, Bentley Delivery Centre  
Bentley  
PERTH WA 6983

**Agricultural Area (AA) Dams**  
**Shire of Merredin**

Dear Neil

The Water Corporation as part of the rationalisation of AA Dams within Western Australia seeks your comments prior to 'use and disposal recommendations' being presented to the Steering Committee – AA Dams.

To facilitate a whole of Government approach to the Disposal Strategy the Corporation is seeking comments from external Stakeholders involved in the AA Dams disposal process based on the following seven questions: -

1. Is the AA Dam part of a water scheme?
2. Is it required by your Agency for water supply?
3. Is your Agency only interested in the land parcel?
4. Does your Agency require decommissioning of any infrastructure?
5. Does your Agency require a management plan?
6. Are you aware of any beneficial uses/users of the reserve?
7. Does your Agency have any further comments?

Please find accompanying this letter a CD which has a file on each of the dams for comment. Each file contains a Map & Photo's document and a Comment Form for uniform responses. It is the Water Corporations preferred option that you provide your response in an electronic format. On completion of the Comment Form please forward your response to me.

**To facilitate the process it is requested that the completed Comments Form be returned to the Water Corporation within 28 days.**

If you require any further information on the information requested or the project and its processes, please do not hesitate in contacting me.

Yours sincerely,

Cate Gustavsson  
Portfolio Analyst – Planning & Rationalisation  
Corporate Real Estate Branch  
cate.gustavsson@watercorporation.com.au

**JT1 2003 19052**  
**Cate Gustavsson**  
**08 9420 2209 (fax. 08 9420 3797)**

6 January 2004

David Hillier  
Water and Rivers Commission  
Level 2, 3 Plain Street, East Perth  
Perth WA 6004

**Agricultural Area (AA) Dams**  
**Shire of Merredin**

Dear David,

The Water Corporation as part of the rationalisation of AA Dams within Western Australia seeks your comments prior to 'use and disposal recommendations' being presented to the Steering Committee – AA Dams.

To facilitate a whole of Government approach to the Disposal Strategy the Corporation is seeking comments from external Stakeholders involved in the AA Dams disposal process based on the following seven questions: -

1. Is the AA Dam part of a water scheme?
2. Is it required by your Agency for water supply?
3. Is your Agency only interested in the land parcel?
4. Does your Agency require decommissioning of any infrastructure?
5. Does your Agency require a management plan?
6. Are you aware of any beneficial uses/users of the reserve?
7. Does your Agency have any further comments?

Please find accompanying this letter a CD which has a file on each of the dams for comment. Each file contains a Map & Photo's document and a Comment Form for uniform responses. It is the Water Corporations preferred option that you provide your response in an electronic format. On completion of the Comment Form please forward your response to me.

**To facilitate the process it is requested that the completed Comments Form be returned to the Water Corporation within 28 days.**

If you require any further information on the information requested or the project and its processes, please do not hesitate in contacting me.

Yours sincerely,

Cate Gustavsson  
Portfolio Analyst – Planning & Rationalisation  
Corporate Real Estate Branch  
cate.gustavsson@watercorporation.com.au



Shire of Merredin												
Dam No	Dam Name	Reserve No	Location Description	Town	Shire	Owner Previous	WC Land Asset No.	Class. (WC)	ASSET COMMENTS	INVESTIGATION COMMENTS	INTERIM RECCOMENDATION	FINAL RECOMMENDATION
4	Binjarrabin	-	-	-	Merredin	-	-	-				
27	Hunts	-	-	-	Merredin	-	-	-				
29	Depot Dam	-	-	-	Merredin	-	-	-				
28	Totadjin	1313	Avon Loc 29241	-	Merredin	CALM	-	-	Purpose Conservation Park	Historically Vested to the Minister for Water Resources.		
43	Goomarin	11211	Avon 14001	Goomarin	Merredin	CALM	-	-	Purpose Conservation of Flora & Fauna	Historical purpose Water		
33	Mindebooks	1312	Avon	Mindebooka	Merredin	DPI	-	-	Purpose Recreation	Historical purpose Water & Stopping Place.		
25	Muntagin Dam & Tank	14641	Avon Loc 28958	Mount Adgin	Merredin	WC	A6453 A3235	1	Purpose Water Supply.	Formally documented as being in the Shire of Narrembeen.		
26	Nocanning	11222	Avon Loc 18443	Nokaning	Merredin	WC	-	-	Purpose Water	Thr Reserve is unvested however the Water Corporation is responsible agency		
44	Newcanie	14718	Avon 19273	Goomarin	Merredin	WRC	A6456	4	Purpose Water Supply.	Historically Vested to the Minister for Water Resources.		
64	Tandegin Rock	15716	Avon 18263, 21352.	Tandegin	Merredin	WRC	A6513	4	Purpose Water.	Historically Vested to the Minister for Water Resources.		

**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	East Kuminin
AA Dam Number	24
Reserve Number	18322
Shire	Shire of Narembeen
WC Dam Category Classification	Nil
Land Tenure	Shire Council
Date of Comment Form Request	8 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

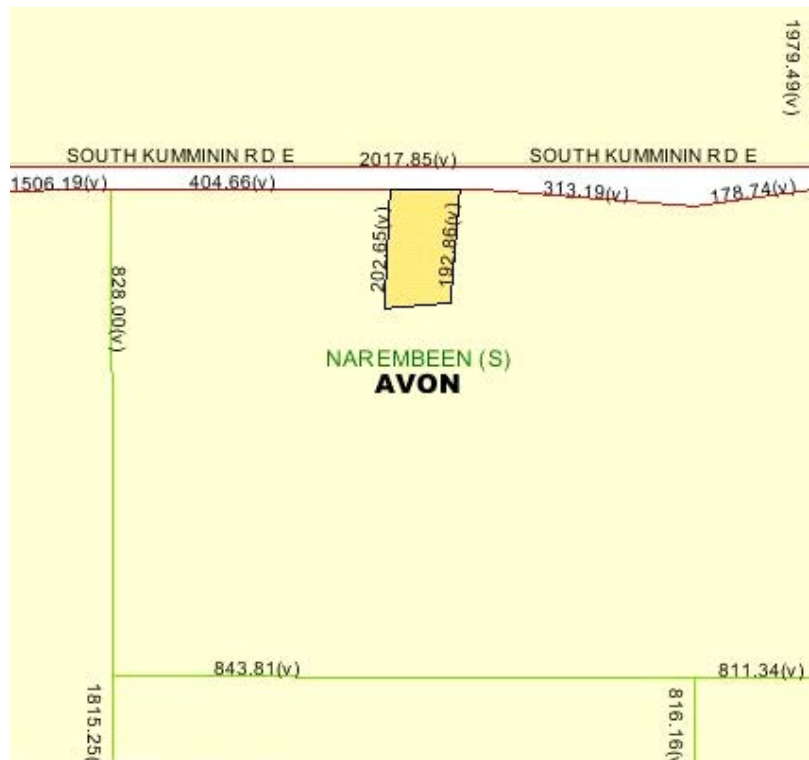
<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
3. Is your Agency only interested in the land parcel?	

**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
5. If your Agency does not require the AA Dam are there any management plan requirements?	
6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

AA Dam 24 East Kumminin– Reserve 18322 – Vested to the Shire of Narembeen.



AA Dam 24 East Kumminin – Reserve 18322 – Vested to the Shire of Narembeen.





AA Dam 150 Mt Arrowsmith – Reserve 15265 – A2463 – Vested to the Shire of Narembeen.



AA Dam 150 Mt Arrowsmith– Reserve 15265 – A2463 – Vested to the Shire of Narembeen



**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Mt. Arrowsmith
AA Dam Number	150
Reserve Number	15265
Shire	Shire of Lake Grace
WC Dam Category Classification	Nil
Land Tenure	Shire Council
Date of Comment Form Request	8 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
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**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
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<b>Endorsement</b>	
Commenting Officer Signature	
Date	



AA Dam 151 Kumminin South Dam – Reserve 17107 – A 6593 – Vested to the Shire of Narembreen





AA Dam 151 Kumminin South Dam – Reserve 17107 – A 6593 – Vested to the Shire  
of Narembeen



**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Kuminin South Dam
AA Dam Number	151
Reserve Number	17107
Shire	Shire of Lake Grace
WC Dam Category Classification	Nil
Land Tenure	Shire Council
Date of Comment Form Request	8 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
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**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
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6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Kumminin South Dam
AA Dam Number	324
Reserve Number	17516
Shire	Shire of Narembreen
WC Dam Category Classification	Nil
Land Tenure	The Water Corporation is the Responsible Agency
Date of Comment Form Request	29 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
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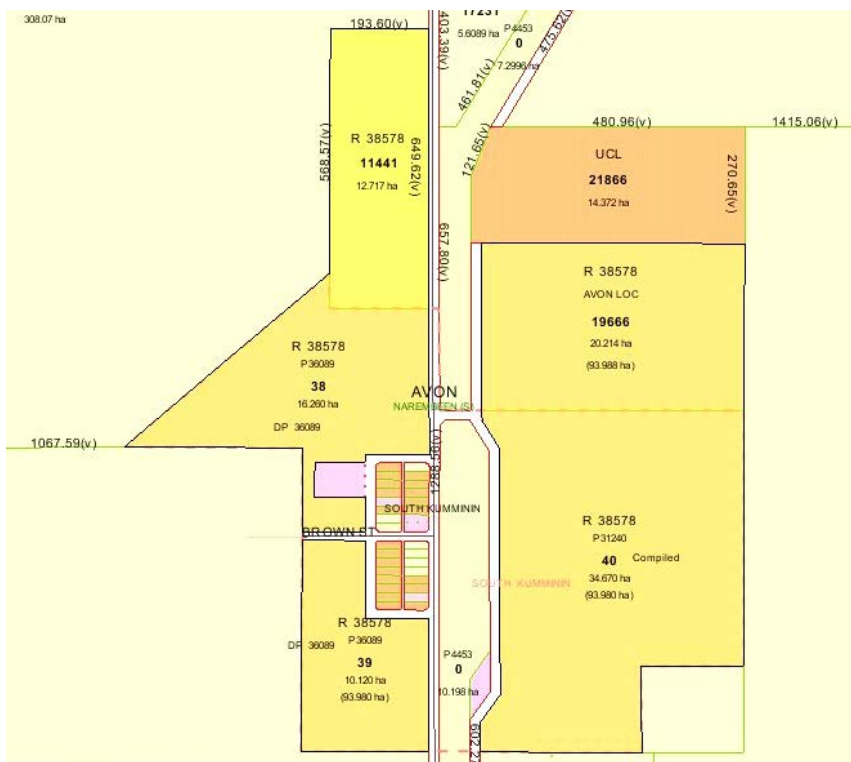
**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
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<b>Endorsement</b>	
Commenting Officer Signature	
Date	



AA Dam 324 Kuminin South Dam – Reserve 17516 – The Water Corporation is the Responsible Agency



AA Dam 324 Kumminin South Dam – Reserve 17516 – The Water Corporation is  
the Responsible Agency

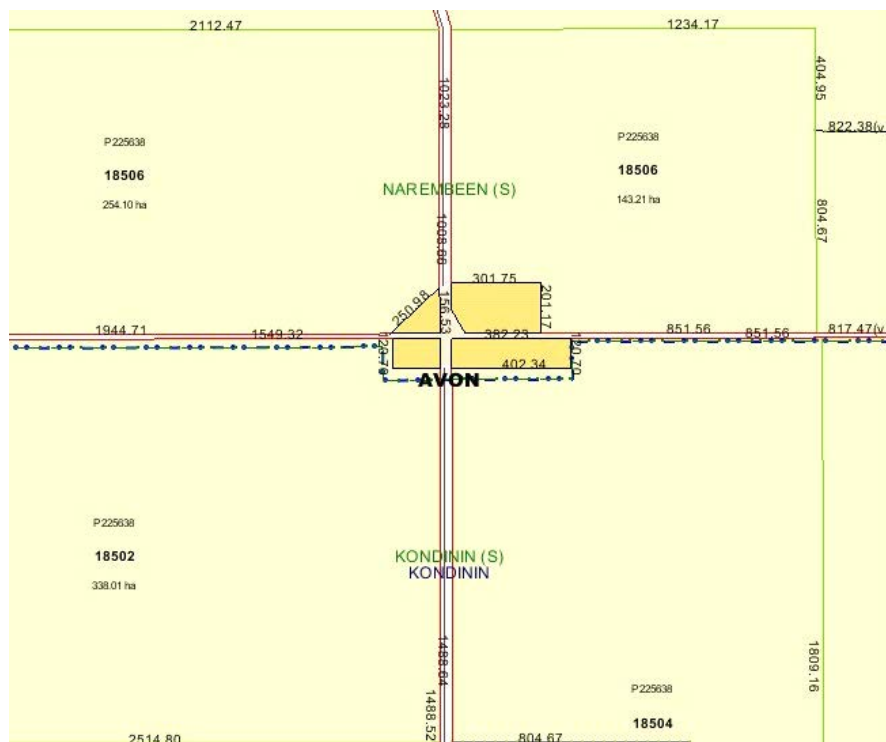




AA Dam 324 Kumminin South Dam – Reserve 17516 – The Water Corporation is  
the Responsible Agency



## AA Dam 373 Kumminin South East – Reserve 18549 – A6627 – Vested to the Shire of Narembeen





AA Dam 373 Kumminin South East – Reserve 18549 – A6627 – Vested to Shire of Narembreen.





**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Kuminin South East
AA Dam Number	373
Reserve Number	18549
Shire	Shire of Lake Grace
WC Dam Category Classification	Nil
Land Tenure	Shire Council
Date of Comment Form Request	8 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

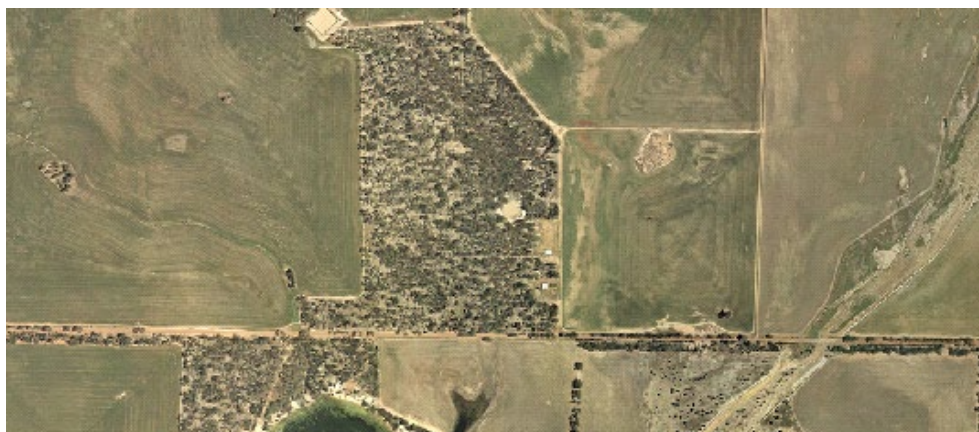
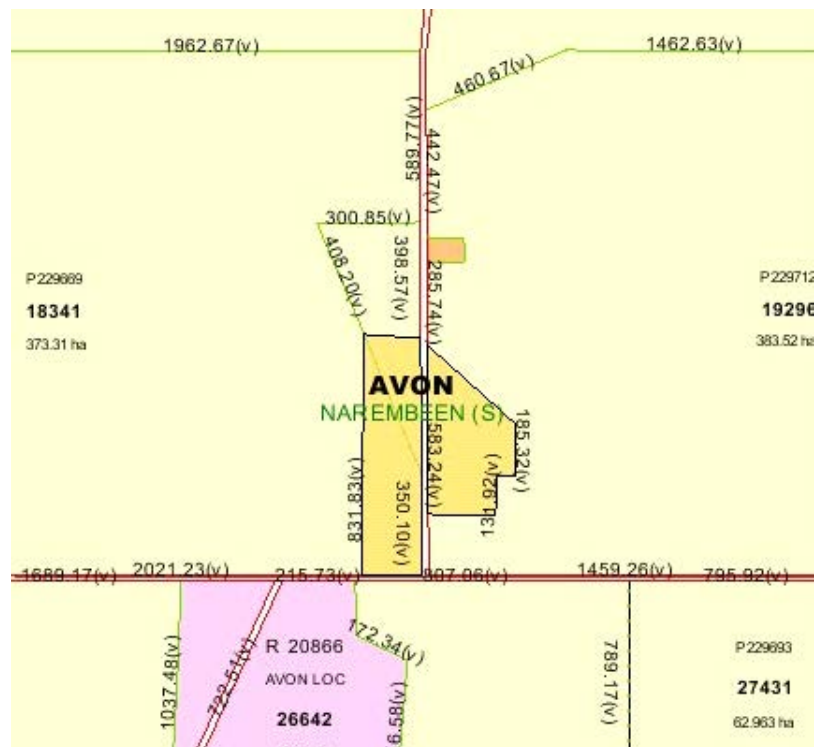
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**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
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6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

AA dam 381 Narembeen Tank – Reserve 17919 – A6620 – Vested to the Shire of Narembeen



AA dam 381 Naremben Tank – Reserve 17919 – A6620 – Vested to the Shire of Naremben.



**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Narembeen Tank
AA Dam Number	381
Reserve Number	17919
Shire	Shire of Lake Grace
WC Dam Category Classification	4
Land Tenure	Shire Council
Date of Comment Form Request	8 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
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**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
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7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Billaricay Siding
AA Dam Number	399
Reserve Number	36101
Shire	Shire of Lake Grace
WC Dam Category Classification	Nil
Land Tenure	CALM
Date of Comment Form Request	8 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

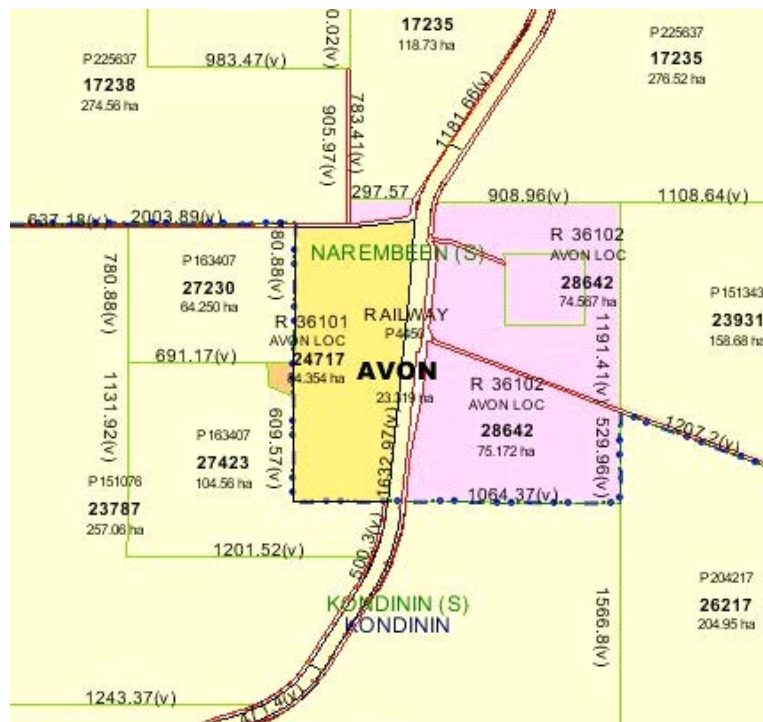
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**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
5. If your Agency does not require the AA Dam are there any management plan requirements?	
6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

AA Dam 399 Billaricay Siding – Reserve 36101- Vested to the Department of Conservation and Land Management.

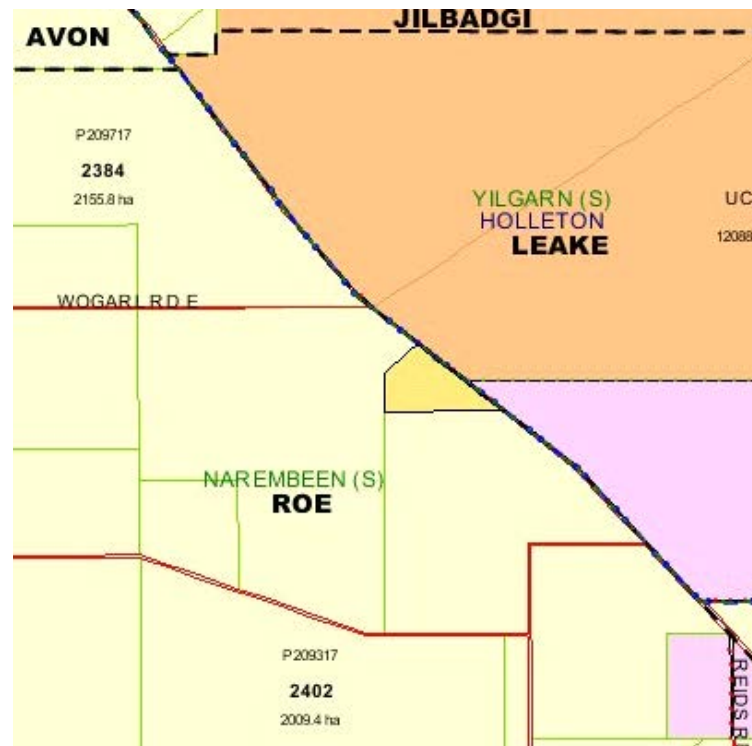


AA Dam 399 Billaricay Siding – Reserve 36101 – Vested to the Department of Land  
Conservation and Land Management





AA dam 425 Waterbidden Rock – Reserve 30473 – A4343 – The Water Corporation is believed to be the Responsible Agency.



AA dam 425 Waterbidden Rock – Reserve 30473 – A4343 – The Water Corporation is believed to be the Responsible Agency.



**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Glenelg Hill Dam
AA Dam Number	AA Dam 425
Reserve Number	30473
Shire	Shire of Narembreen
WC Dam Category Classification	Nil
Land Tenure	The Water Corporation is the Responsible Agency
Date of Comment Form Request	29 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
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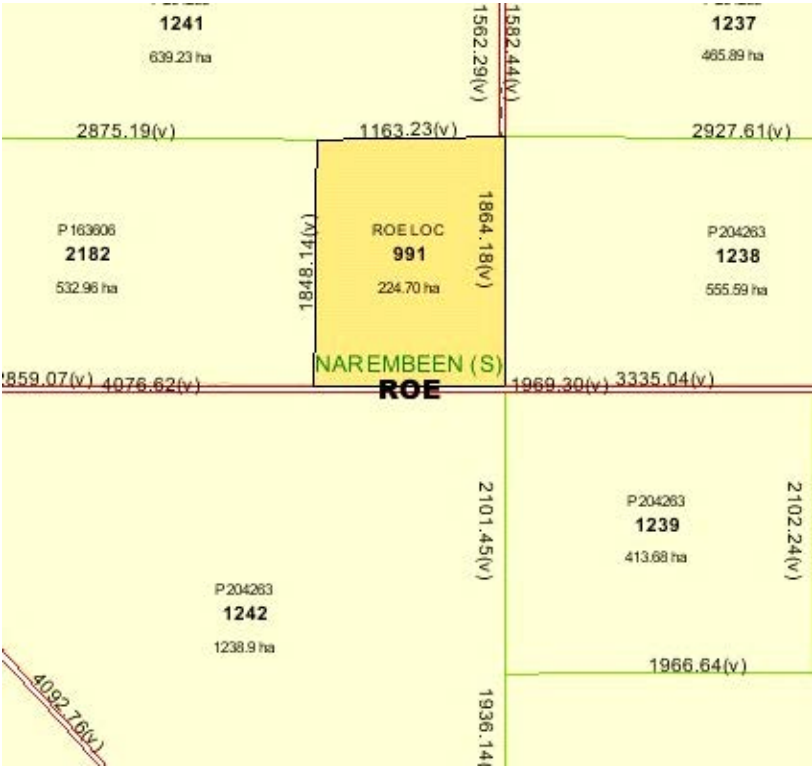
**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
5. If your Agency does not require the AA Dam are there any management plan requirements?	
6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	



AA dam 455 Gibb Rock Tank – Reserve 21130 – A6667 – Vested to the Minister of Water Resources (the Water Corporation is the responsible Agency).





AA dam 455 Gibb Rock Tank – Reserve 21130 – A6667 – Vested to the Minister of Water Resources (the Water Corporation is the responsible Agency).



**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Gibb Rock Tank
AA Dam Number	455
Reserve Number	21130
Shire	Shire of Narembreen
WC Dam Category Classification	2
Land Tenure	The Water Corporation is the Responsible Agency
Date of Comment Form Request	29 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
3. Is your Agency only interested in the land parcel?	

**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
5. If your Agency does not require the AA Dam are there any management plan requirements?	
6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Mount Roe Dam
AA Dam Number	2034
Reserve Number	29249
Shire	Shire of Merredin
WC Dam Category Classification	1
Land Tenure	Water Corporation
Date of Comment Form Request	6 January 2004

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
3. Is your Agency only interested in the land parcel?	

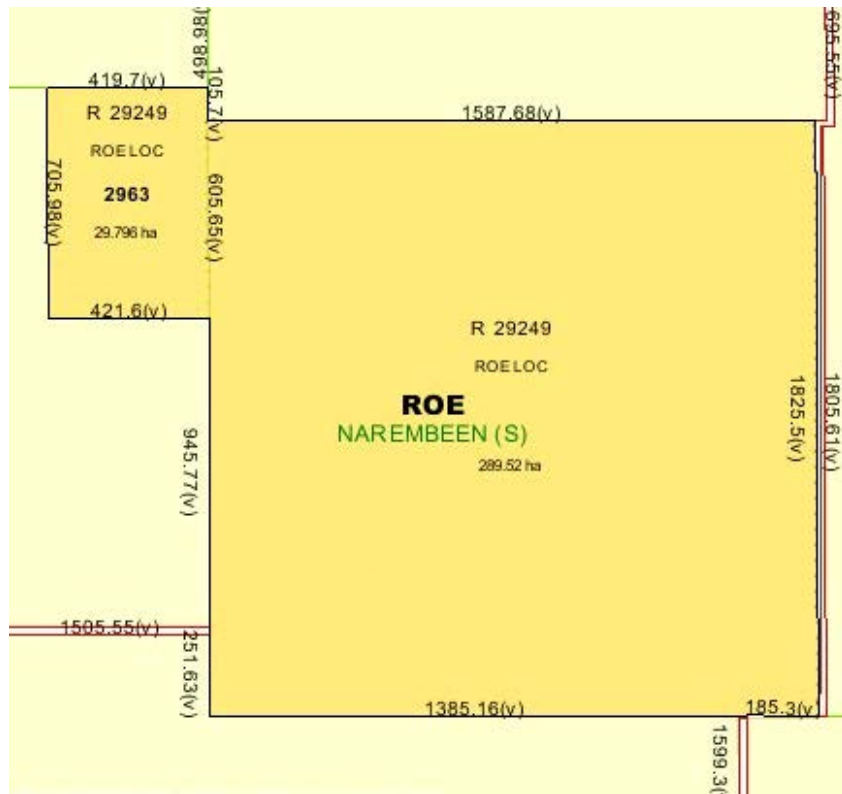


**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

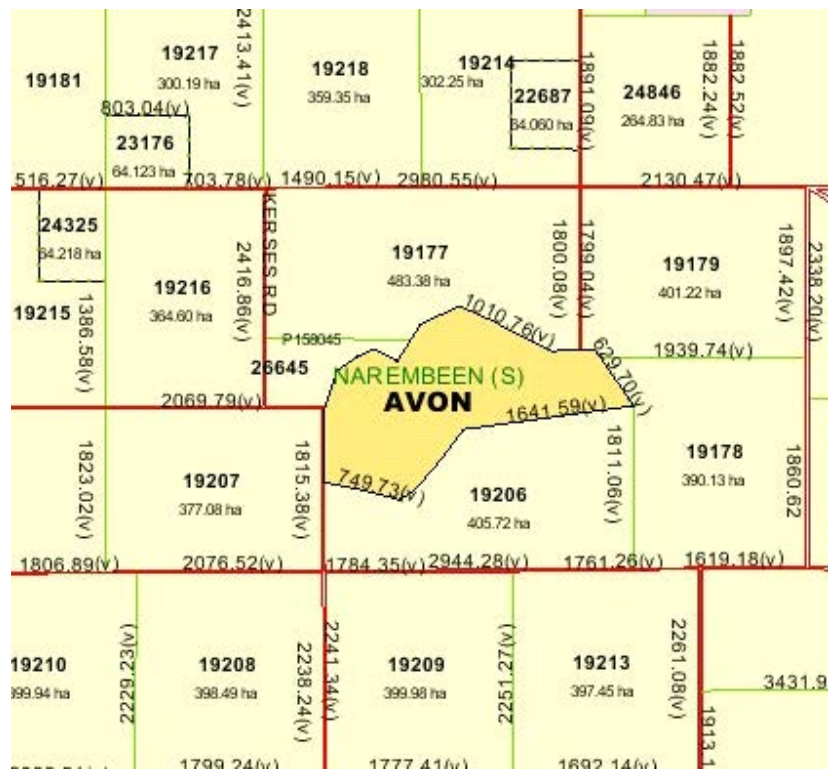
<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
5. If your Agency does not require the AA Dam are there any management plan requirements?	
6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

AA Dam 2034 Mount Roe Dam – Reserve 29249 – Asset 6742 – Vested to the Minister for Water Resources, however the Water Corporation is the Responsible Agency.



AA Dam 5001 Mt Cramphorne – Reserve 27521 – A6724 – Vested to the Water Authority of WA (the Water Corporation is the Responsible Agency).





AA Dam 5001 Mt Cramphorne – Reserve 27521 – A6724 – Vested to the Water Authority of WA (the Water Corporation is the Responsible Agency).



**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Mount Crapmhorne
AA Dam Number	5001
Reserve Number	27521
Shire	Shire of Narembreen
WC Dam Category Classification	2
Land Tenure	The Water Corporation is the Responsible Agency
Date of Comment Form Request	29 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
3. Is your Agency only interested in the land parcel?	



**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
5. If your Agency does not require the AA Dam are there any management plan requirements?	
6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Borayukkin Rock
AA Dam Number	Nil
Reserve Number	36563
Shire	Shire of Narembreen
WC Dam Category Classification	Nil
Land Tenure	The Water Corporation is the Responsible Agency
Date of Comment Form Request	29 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

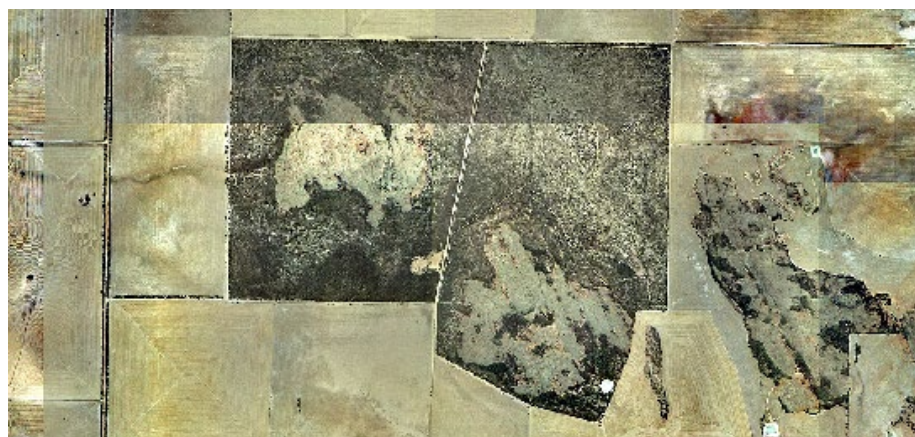
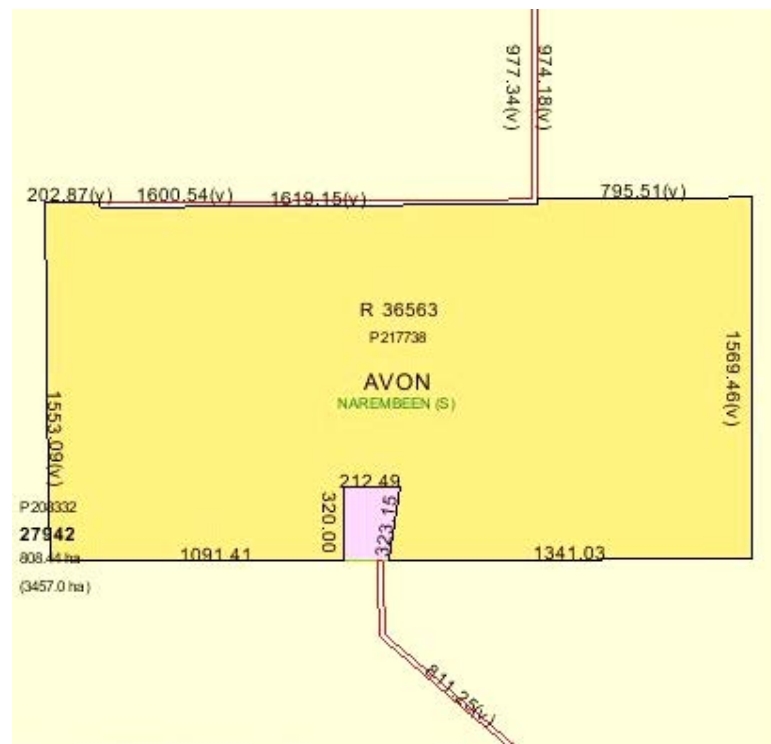
<b>Comments</b>	
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2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
3. Is your Agency only interested in the land parcel?	

**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
4. Does your Agency have any decommissioning requirements?	
5. If your Agency does not require the AA Dam are there any management plan requirements?	
6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	

Borayukkin Dam – Reserve 36563 – A2758 – Vested to the Water Corporation

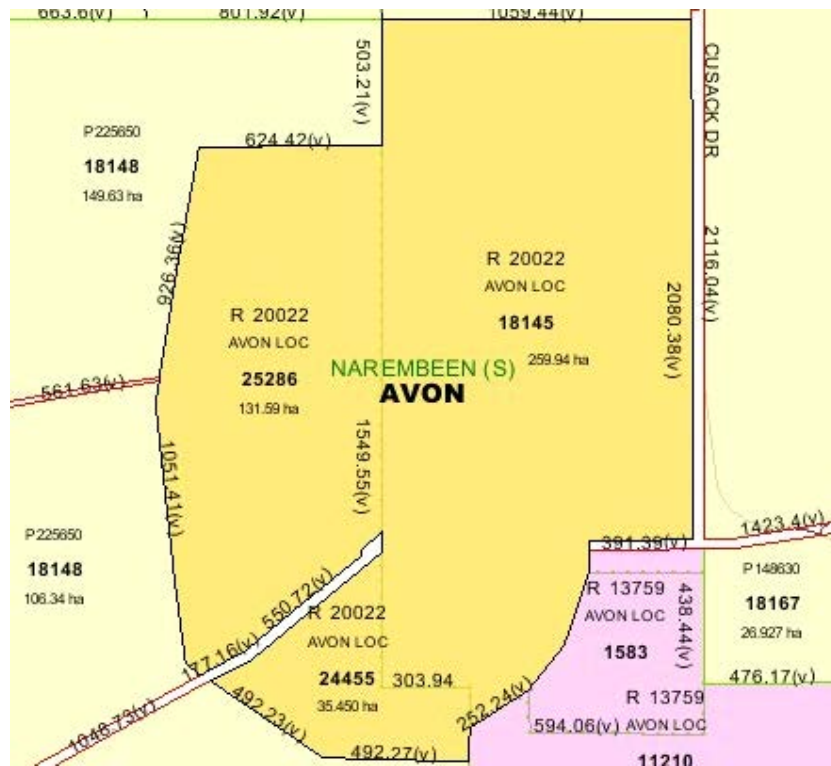


Borayukkin Dam – Reserve 36563 – A2758 – Vested to the Water Corporation





Wadderin Dam and Tank – R 20022 – A6651 – Vested to the Water Authority (the Water Corporation is the Responsible Agency).



Wadderin Dam and Tank – R 20022 – A6651 – Vested to the Water Authority (the Water Corporation is the Responsible Agency).



**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>AA Dam Particulars</b>	
Dam Name	Wadderin Dam and Tank
AA Dam Number	Nil
Reserve Number	20022
Shire	Shire of Narembeen
WC Dam Category Classification	Nil
Land Tenure	The Water Corporation is the Responsible Agency
Date of Comment Form Request	29 December 2003

<b>Commenting Agency Details</b>	
External Stakeholder	
Contact Officer	
Name	
Title	
Telephone No.	
e-mail address	
Postal address	

<b>Comments</b>	
1. Is this AA Dam part of a water scheme?	
2. Is this AA Dam required by your Agency for a water supply? (e.g. Off farm community supply) or (required 'as is' or could be developed)	
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**Agricultural Area (AA) Dams  
External Stakeholder Comments Form**

<b>Comments</b>	
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5. If your Agency does not require the AA Dam are there any management plan requirements?	
6. Is your Agency aware of any beneficial uses/users of the dam and/or reserve?	
7. Does your Agency have any further comments?	

<b>Endorsement</b>	
Commenting Officer Signature	
Date	



A6651 – Wadderin Dam

Golf Club Road, Narembeen





**JT1 2003 19051 V01**  
**Cate Gustavsson**  
**08 9420 2209 (fax. 08 9420 3797)**

8 December 2003

Brett Beecham  
Wheatbelt Region  
PO Box 100  
NARROGIN 6312

**Agricultural Area (AA) Dams**  
**Shire of Narembeen**

Dear Brett,

The Water Corporation as part of the rationalisation of AA Dams within Western Australia seeks your comments prior to 'use and disposal recommendations' being presented to the Steering Committee – AA Dams.

To facilitate a whole of Government approach to the Disposal Strategy the Corporation is seeking comments from external Stakeholders involved in the AA Dams disposal process based on the following seven questions: -

1. Is the AA Dam part of a water scheme?
2. Is it required by your Agency for water supply?
3. Is your Agency only interested in the land parcel?
4. Does your Agency require decommissioning of any infrastructure?
5. Does your Agency require a management plan?
6. Are you aware of any beneficial uses/users of the reserve?
7. Does your Agency have any further comments?

Please find accompanying this letter a CD which has a file on each of the dams for comment. Each file contains a Map & Photo's document and a Comment Form for uniform responses. It is the Water Corporations preferred option that you provide your response in an electronic format. On completion of the Comment Form please forward your response to me.

**To facilitate the process it is requested that the completed Comments Form be returned to the Water Corporation within 28 days.**

If you require any further information on the information requested or the project and its processes, please do not hesitate in contacting me.

Yours sincerely,

Cate Gustavsson  
Portfolio Analyst – Planning & Rationalisation  
Corporate Real Estate Branch  
cate.gustavsson@watercorporation.com.au

**JT1 2003 19051 V01**  
**Cate Gustavsson**  
**08 9420 2209 (fax. 08 9420 3797)**

8 December 2003

Dr. Neil Coles  
Department of Agriculture  
Locked Bag No. 4, Bentley Delivery Centre  
Bentley  
PERTH WA 6983

**Agricultural Area (AA) Dams**  
**Shire of Narembeen**

Dear Neil

The Water Corporation as part of the rationalisation of AA Dams within Western Australia seeks your comments prior to 'use and disposal recommendations' being presented to the Steering Committee – AA Dams.

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Yours sincerely,

Cate Gustavsson  
Portfolio Analyst – Planning & Rationalisation  
Corporate Real Estate Branch  
cate.gustavsson@watercorporation.com.au

**JT1 2003 19051 V01**  
**Cate Gustavsson**  
**08 9420 2209 (fax. 08 9420 3797)**

8 December 2003

David Hillier  
Water and Rivers Commission  
Level 2, 3 Plain Street, East Perth  
Perth WA 6004

**Agricultural Area (AA) Dams**  
**Shire of Narembeen**

Dear David,

The Water Corporation as part of the rationalisation of AA Dams within Western Australia seeks your comments prior to 'use and disposal recommendations' being presented to the Steering Committee – AA Dams.

To facilitate a whole of Government approach to the Disposal Strategy the Corporation is seeking comments from external Stakeholders involved in the AA Dams disposal process based on the following seven questions: -

1. Is the AA Dam part of a water scheme?
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Yours sincerely,

Cate Gustavsson  
Portfolio Analyst – Planning & Rationalisation  
Corporate Real Estate Branch  
cate.gustavsson@watercorporation.com.au

Shire of Narembeen												
Dam No	Dam Name	Reserve No	Location Description	Town	Shire	Owner Previous	WC Land Asset No.	Class. (WC)	ASSET COMMENTS	INVESTIGATION COMMENTS	INTERIM RECOMMENDATION	FINAL RECOMMENDATION
20	Karembrenin	-	-	East Circle Valley	Dundas Narembeen	-	-	-		Archival Research identifies the dam within the Goldfields Region.	Will be investigated as part of Shire of Dundas	
324	Kumminin South Dam	17516	Avon Loc 19666, 11441, Narembeen-Kondinin Rd	South Kumminin	Narembeen	CALM	-	-	Purpose - Conservation of Flora and Fauna	Now amalgamated into Reserve 38578.	Notify CALM of Ownership	
399	Billericay Siding	36101	Avon, 24717, Billericay Rd West	Billericay	Narembeen	CALM	-	-	Purpose - Water Supply & Conservation of Flora and Fauna.		Notify CALM of Ownership	
24	East Kumminin	18322	Avon, 23552	-	Narembeen	Shire	-	-	Purpose - Landscape Protection.		Notify Shire of Ownership	
150	Mt Arrowsmith	15265	Avon Loc 19724, Corner Erdman & Mount Arrowsmith Roads.	-	Narembeen	Shire	A2463	-	Purpose - Landscape Protection.	Historically Vested to the Water Corporation. Revoked in 1914.	Notify Shire of Ownership	
151	Kumminin South Dam	17107	Avon 9731, 9732, Corrigin - Narembeen Rd	Narembeen	Narembeen	Shire	A6593	4	Purpose - Landscape Protection.	Historically Vested to the Water and Rivers Commission. Vesting Revoked 1997. Historical Purpose - Water Supply.	Notify Shire of Ownership	
373	Kumminin South East	18594	Avon Location 29475, 29476, 24977 & 29478, Billericay Rd East	Bendering	Narembeen	Shire	A6627	4	Purpose - Landscape Protection.	Historically Vested to the Minister for Water Resources. Vesting Revoked in 1924. Historical Purpose - Water.	Notify Shire of Ownership	
381	Narembeen Tank	17919	Avon Location 23179, 23180 & 28731, Soliders Rd	Narembeen	Narembeen	Shire	A6620	4	Purpose - Landscape Protection.	Historically Vested to the Water and Rivers Commission. Vesting Revoked 1997. Historical Purpose - Water.	Notify Shire of Ownership	
425	Glenelg Hills	30473	Roe, 2942,	Narembeen	Narembeen	WC	A4343	-	Unvested Crown Land, WC Responsible Agency. Purpose - Water. Also know as Waterbidden Rock	Retain for short term Narembeen Shire. No value to the WC. Glenelg Hills Dam, also referred to as Waterbidden Rock.		
455	Gibb Rock Tank	21130	Roe Location 991.	Narembeen	Narembeen	WC	A6667	2	Purpose - Water Supply.	Vested to the Minister for Water Resources, WC Responsible Agency. Asset Retired. Farm Water Action, Tank with Shire. Action to Vest with CALM & Shire in Progress.		
2034	Mt Roe	29249	Roe Location 223, 2963.	Mt Roe	Narembeen	WC	A6742	1	Purpose - Water Flora and Fauna	Vested to the Minister for Water Resources, The Water Corporation is believed to be the Responsible Agency. WC Local Scheme, largest Dam fully drought proof.		
5001	Mount Cramphorne Dam	27521	Avon, 19211	Narembeen	Narembeen	WC	A6724	2	Purpose - Water and Conservation of Flora and fauna.	Vested to the Water Authority of WA, WC Responsible Agency. Historically Vested to the Minister for Water Resources. Vesting Revoked in 1980. Historical Purpose - Water and the Preservation of Flora and Fauna.		
364	Narembeen	?	?	?	?	?	?	?	?		Council / WRC - Further information required to ascertain location	

# RESERVE ASSESSMENT REPORT

## WHEATBELT REGION – NARROGIN DISTRICT

### Reason for Assessment:

This assessment has been carried out as part of a coordinated program to assess the nature conservation values of remnants within the Narembeen Shire with a view to making recommendations on there long term management.

### Area Description:

<b>Reserve name:</b>	Gibb Rock	<b>Surveyor(s):</b>	G Durell, B Macmahon, K Kershaw & P Joyce
<b>Reserve number:</b>	21130 (Roe location # 991)	<b>Survey date:</b>	6 October 2004
<b>PIN number(s):</b>	641224	<b>Shire:</b>	Narembeen
<b>Vesting:</b>	Minister for Water Resources	<b>Nearest town:</b>	Hyden
<b>Purpose</b>	Water Supply	<b>Nearest road:</b>	Williamson Road & Gibb Rock Road
<b>Area of reserve:</b>	223.4067	<b>Map reference:</b>	1:50000 2733-4
<b>NRM Region:</b>		<b>IBRA Sub Region:</b>	Avon Wheatbelt

### Asset values:



<b>Landform</b>	Includes significant granite outcrop and mallee and Kwongan thickets
<b>Soils</b>	Pale sandy clay. Lateritic gravelly clay Red clay loam
<b>Geology/Regolith</b>	Granite outcrop
<b>Threatened flora</b>	
<b>Threatened ecological communities</b>	None identified during inspection
<b>Critical Habitat</b>	
<b>Threatened fauna</b>	None known or observed during inspection
<b>Native Fauna</b>	Observed during the inspection were Teliqua (blue tongue)
<b>Native Flora</b>	Over species identified during previous inspections (see attachment ?)
<b>Vegetation associations</b>	<p>Four main vegetation types were described, however there are numerous smaller area's (5-10 ha) that vary in both species and form. Mostly these were associated with the granite outcrop.</p> <p><b>Type 1</b> Open Tree mallee spp over open low scrub A of mixed Melaleuca spp</p> <p><b>Type 2</b> Open low woodland B mixed shrub mallee over mid dense Acaia sp, Allocasuarina corniculata and Calitris roei over mid dense Phebalium longifolia &amp; Scholtzia sp</p> <p><b>Type 3</b> Open E burracoppinensis to 4m over dense scrub to 3m including greviullea excelsior, allocasuarina corniculata, hakea multilineata, allocasuarina acutivalvis over scrub to 2m including hakea signa over scrub 1m including melaeuca sp.</p> <p><b>Type 4</b> Dense forest of <i>Allocasuarina heugliana</i>, over scrub including <i>Calothamnus quadrifidus</i> and <i>Melaleuca eleurostachya</i> over <i>Thrypyomene australis</i> open low grass being <i>Spartacloa scapoidia</i>. Soils: Shallow loam over granite</p>

	<p>Type 5</p> <p>Acacia lasio over lepo roei, allocas camp, mal eleurostachya over thryptomene australis.</p> <p>Type 6</p> <p>Allocas heug &amp; acacia lasio over calitris roei, hakea multi and lepto roeii over lepidosperma sp</p> <p>Type 7</p> <p>E salubris and e mallee sp over mel lateriflora, mel adnata and mel pentagona.</p> <p>Type 8</p> <p>Lithic complex predominantly kunzea pulchella, dodaonea viscosa thryptomene australis over borya nitida.</p>
<b>Aboriginal evidence</b>	
<b>European evidence</b>	
<b>Recreational evidence</b>	Occasional over night use evident near rock.
<b>Fire</b>	There was no evidence to help determine the last major fire impact. From the large amount of timber lying on the ground unscarred by fire, it would appear that no fire has occurred in some 10 to 20 years at least
<b>Other Assets</b>	

### **Regional Context:**

This remnant is one of a chain of similar size remnants which run north/south through the eastern part of the Naremburn Shire. Although few are linked by vegetated corridors, remnants of this size have considerable importance for the protection of local ecological communities and species diversity.

Near by remnants include;

Nature Reserve no 37289 is approximately 6 km's to the north east and

Nature Reserve 36003 is approximately 8 km's to the south.

Neither of these reserves contain granitic outcrops or some of the vegetation types described on this reserve.

### **Asset Value Summary:**

This remnant has high conservation value due to its size and location in the Narembeen Shire.

The water catchment and storage facilities are highly valued by the local community and some consideration will need to be given to this.

### Existing Threats (to nature conservation values):

<b>Altered hydrology</b>	Surface water captured on the rock is being drained into a catchment tank. Being high in the landscape there is no indication of rising ground water and or salinity and the remnant vegetation would have positive impacts on the local ground water levels.
<b>Introduced plants</b>	Not a significant threat. Less than 20%. Some grasses were associated with the rubbish dumping but otherwise no other infestations were noted
<b>Introduced animals</b>	Cat/fox presence likely however impacts on local fauna are unknown.
<b>Problem native plants</b>	None observed
<b>Problem native animals</b>	Not a significant threat.
<b>Disease</b>	None observed.
<b>Detrimental regimes (fire)</b>	Lack of fire management will threaten vegetation diversity/structure and longevity of threatened flora species.
<b>Competing land uses</b>	
Timber cutting / clearing	
Gravel	A small (< 1ha) pit is situated along Williamson Road
Rubbish	Some scattered small amounts of old rubbish associated with camping.
Other illegal activities	The survey for the Gibb Rock road follows the eastern boundary of the reserve however when developed, the road was realigned into the reserve to provide access to the water tank. Approximately 1 km of road has been illegally developed on the reserve.
Grazing	None observed during inspection
Beekeeping	N/A
Utilities	Water tank
Recreation	Some historical overnight use
Drains	Catchment drains have been built on the rock
Adjoining land use	The Shire of Narembreen will require a small portion



	of this reserve to be excised for the purpose of water supply (ie; the tank) This will not impinge on CALM's management of the area. The remaining farmland adjacent the reserve will not pose any difficulties as long as the fences are well maintained
Water collection and storage	Local community have expressed strong interest in maintaining control over the water catchment and tank facilities
<b>Lack of habitat</b>	The remnant contains significant habitat. Because of the remnants size some of the natural processes will be maintained in the long term provided the remnant vegetation is adequately protected and managed. The remnant is rectangular which maximises the area of remnant vegetation to the ratio of perimeter boundaries.

### **Threats Summary:**

Long term threats to this remnant are limited to minor weed invasion adjacent boundaries and minor gravel removal from areas adjacent the southern boundary.

### **Viability (long-term threats to nature conservation values):**

<b>Salinity risk</b>	Being high in the landscape there appears to be no long term threat from salinity or rising water table
<b>Introduced plants</b>	Minor infestations are unlikely to spread into the remnant
<b>Introduce animals</b>	Likely to harbour foxes and cats however impacts on local fauna are unknown
<b>Problem native plants</b>	None observed during inspection
<b>Problem native animals</b>	None observed during inspection
<b>Disease</b>	No evidence of disease was recorded during the inspection
<b>Fire viability</b>	Inappropriate fire regimes are likely to impact on the long term viability of the vegetation
<b>Competing land use</b>	Current usage is low and I would suggest by locals only. The reserve is too isolated to be of any real attraction to future tourists. If CALM were to stop all access to this reserve for recreation purposes, I would imagine the nearby TWINE RESERVE will absorb any historic usage of this reserve
<b>Lack of habitat</b>	Habitat considered significant within Shire

### **Viability Summary**

Given the remnants size and location within the shire, it is considered to be extremely important for the long viability and genetic diversity of local species.

### **Discussion:**

The Water Corporation have indicated they have no further use for this reserve. The Narembeen Shire have indicated that they require that portion which includes the tank and it's access road, so as to ensure long term access to the water. The remainder of the reserve has very high nature conservation value and should be appropriately protected.

Historical negotiations with the shire regarding this reserve have stalled around the issue of surface water management. CALM have already agreed to excising the road and tank for vesting with the Shire for "*Water*" however agreement on management plans has not been possible to date.

### **Recommendations**

Based on the most recent assessment of this remnant indicating that it has a high nature conservation value, the authors recommend the following;

1. The portion of road previously cleared on the reserve and now included in the Gibb Rock Road, along with the concrete water tank be excised from the reserve, given a new reserve number and a Management Order in favour of the Narembeen Shire for the Purpose of “*Water*”.
2. The Management Order for the remainder of the reserve to be issued in favour of the Conservation Commission with a purpose of “*Conservation of Flora and Fauna*” & “*Water Catchment*”.

Kim Kershaw

\_\_\_\_/\_\_\_\_/\_\_\_\_

Paul Joyce

\_\_\_\_/\_\_\_\_/\_\_\_\_

Brian Macmahon

\_\_\_\_/\_\_\_\_/\_\_\_\_

Appendix ??

Flora species list compiled by Kim Kershaw

*Acacia acuminata*  
*Acacia beauverdiana*  
*Acacia erinacea*  
*Acacia hemiteles*  
*Acacia lasiocalyx*  
*Allocasuarina humilis*  
*Allocasuarina acutivalvus*  
*Allocasuarina campestris*  
*Allocasuarina corniculata*  
*Allocasuarina huegeliana*  
*Astroloma ceratifolium*  
*Atriplex sulcata?*  
*Austrostipa elegantissima*  
*Boronia capitata*  
*Borya nitida*  
*Caladenia roei*  
*Calitris roei*  
*Calothamnua quadrifidus*  
*Calothamnus gilesii*  
*Calytrix leschenaultia*  
*Carpobrotus sp*  
*Cheilanthes tenifolia*  
*Daveisia bethamii*  
*Dianella revoluta*  
*Dodonea viscosa*  
*Drosera bulbosa*  
*Enchylena tomentosa*  
*Eucalyptus burracoppinensis*  
*Eucalyptus eromophloia*  
*Eucalyptus salmonophloia*  
*Eucalyptus salubris*  
*Gastrolobium parvifolium*  
*Glischrocaryon flavescens*  
*Glischrocaryon aureum*  
*Grevillea excelsior*  
*Grevillea heugelii*  
*Grevillea hookeriana*  
*Grevillea paniculata*  
*Grevillea shuttleworthiana*  
*Hakea cygna*  
*Hakea incrassata*  
*Hakea multilineata*  
*Isoetes australiensis*  
*Isoetes breviciula (DRF – Priority 2 or 4 ?)*  
*Kunzea pulchella*  
*Lepidosperma aff resinosa*  
*Leptospermum erubescens*

*Leptospermum roeii*  
*Lomandra effusa*  
*M adenata*  
*M pentagona*  
*Melaleuca acuminata*  
*Melaleuca cordata*  
*Melaleuca eleutherostachya*  
*Melaleuca laxiflora*  
*Melaleuca uncinata*  
*Meleleuca lateriflora*  
*Meleleuca spacidiera*  
*Myrophyllum petraeum*  
*Neurachne alopecuroidea*  
*Olearia muelleri*  
*Olearia revoluta*  
*Persoonia quinquinervis*  
*Phabalium longifolia*  
*Phabalium tuberculata*  
*Potolipus linearis*  
*Santalum acuminatum*  
*Schoenus calcartis*  
*Scholtzia involucrata*  
*Spartichloa scapoidia*  
*Stachousia monogyna*  
*Stylidium calcoratum*  
*Stypandra imbricata*  
*Thelymitra antinifera*  
*Thryptomene australisi*  
*Ursinia anthemoides\*\* weed*  
*Verticordia chrysantha*  
*Xanthorrhoea nana*



# RESERVE ASSESSMENT REPORT

## WHEATBELT REGION – NARROGIN DISTRICT

### Reason for Assessment:

This assessment has been carried out as part of a concerted program to assess the nature conservation values of currently unmanaged remnants within the Narembeen Shire with a view to making recommendations on the long term management of conservation values on these remnants.

### Area Description:

<b>Reserve name:</b>	Glenelg Hills (Borayukkin Rock)	<b>Surveyor(s):</b>	G Durell, B Macmahon, K Kershaw & P Joyce
<b>Reserve number:</b>	36563 (Roe location # 2646)	<b>Survey date:</b>	
<b>PIN number(s):</b>		<b>Shire:</b>	Narembeen
<b>Vesting:</b>	Water and Rivers Commission	<b>Nearest town:</b>	Narembeen
<b>Purpose</b>	Water Supply	<b>Nearest road:</b>	Soldiers Road
<b>Area of reserve:</b>	176.4632	<b>Map reference:</b>	1:50000 Mt Walker 2633-1
<b>NRM Region:</b>		<b>IBRA Sub Region:</b>	Avon Wheatbelt

### Asset values:

<b>Landform</b>	Includes significant granite outcrop and ?
<b>Soils</b>	The reserve is dominated by “Borayukkin Rock” a granite outcrop approximately 40-50ha in size.
<b>Geology/Regolith</b>	
<b>Threatened flora</b>	
<b>Threatened ecological communities</b>	
<b>Critical Habitat</b>	
<b>Threatened fauna</b>	
<b>Native Fauna</b>	
<b>Native Flora</b>	Over 80 species identified during previous inspections (see attachment ?)
<b>Vegetation associations</b>	<ol style="list-style-type: none"> <li>1. Shrub mallee of <i>Eucalyptus ? merrickiae</i> with <i>E. redunca</i> and <i>E. wandoo</i> over heath B of <i>Acacia sp.</i></li> <li>2. Low forest A of <i>Eucalyptus salmonophloia</i> over heath B of <i>Acacia sp.</i></li> <li>3. Heath A to dense heath A of <i>Acacia spp</i> over open dwarf scrub C of ?<i>Thryptomene sp</i> and <i>Grevillea sp</i> over very open herbs.</li> <li>4. Dense heath A of <i>Allocasuarina acutivalvis</i> and <i>Acacia sp</i> over very open herbs.</li> <li>5. Heath B of <i>Allocasuarina campestris</i> over Dwarf scrub D of ?<i>Baeckea sp</i> and <i>Verticordia sp</i> over open herbs including <i>Borya nitida</i>.</li> <li>6. Open low scrub A of <i>Grevillea sp</i> over Dwarf scrub C of <i>Acacia spp</i> over dwarf scrub D of <i>Hakea sp</i> and <i>Melaleuca sp</i> over low sedges and herbs.</li> <li>7. Open scrub mallee of <i>Eucalyptus loxophleba</i> over heath A of <i>Allocasuarina campestris</i> over dwarf scrub D over open tall sedges.</li> <li>8. Shrub mallee of <i>Eucalyptus ? merrickiae</i> and <i>E. eremophila</i> over low open scrub A over very open low sedges.</li> <li>9. Low woodland A of <i>Eucalyptus wandoo</i> over thicket of <i>Acacia acuminata</i> over herbs.</li> <li>10. Low forest A of <i>Eucalyptus salubris</i> over dwarf scrub C of <i>Acacia sp.</i></li> <li>11. Very open shrub mallee of <i>Eucalyptus burracoppinensis</i> over low heath D including <i>Acacia sp</i>, <i>Allocasuarina sp</i> and <i>Melaleuca sp</i> over open low sedges and very open herbs.</li> <li>12. Granite complex including <i>Acacia lasiocalyx</i>,</li> </ol>

	<i>Borya nitida, Briza maxima, Calothamnus gradrifidus, Allocasuarina huegeliana, Dodonaea attenuate, Kunzea pulchella, Melaleuca sp, Spiculaea ciliata, Thryptomene australis, Verticordia sp</i> and sedge sp x 2.
<b>Aboriginal evidence</b>	
<b>European evidence</b>	
<b>Recreational evidence</b>	
<b>Fire</b>	There was no evidence of a fire event recorded during the inspection.
<b>Other Assets</b>	

### **Regional Context:**

This remnant is one of a chain of similar size remnants which run north/south through the eastern part of the Narembeen Shire. Although few are linked by vegetated corridors, remnants of this size have considerable importance for the protection of local ecological communities and species diversity.

Near bye remnants include;

### **Asset Value Summary:**

This remnant has high conservation value due to its size and location in the Narembeen Shire.

### Existing Threats (to nature conservation values):

<b>Altered hydrology</b>	.
<b>Introduced plants</b>	
<b>Introduced animals</b>	Cat/fox presence likely however impacts on local fauna are unknown.
<b>Problem native plants</b>	None observed
<b>Problem native animals</b>	Not a significant threat.
<b>Disease</b>	None observed.
<b>Detrimental regimes (fire)</b>	Lack of fire management will threaten vegetation diversity/structure and longevity of threatened flora species.
<b>Competing land uses</b>	
Timber cutting / clearing	
Gravel/Sand	The Shire of Naremburn have outlined 4 areas of gravel deposits that it has requested be excised from the reserve prior to re-issue of the Management Order. Calm, the Shire and Water Corporation have been negotiating on these issues since 1999.
Rubbish	There is some considerable rubbish on the rock which seems to have originated from neighbouring farming properties. None appears to be recent..
Other illegal activities	
Grazing	
Beekeeping	
Utilities	
Recreation	
Drains	
Adjoining land use	.
Water collection and storage	

<b>Lack of habitat</b>	The remnant contains significant habitat. Because of the remnant's size some of the natural processes will be maintained in the long term provided the remnant vegetation is adequately protected and managed. The remnant is rectangular which maximises the area of remnant vegetation to the ratio of perimeter boundaries.
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### **Threats Summary:**



### Viability (long-term threats to nature conservation values):

Salinity risk	
Introduced plants	
Introduce animals	
Problem native plants	
Problem native animals	
Disease	None recorded.
Fire viability	Will affect long-term viability of vegetation associations and threatened species
Competing land use	
Lack of habitat	Habitat considered significant within Shire

### Viability Summary

### Discussion:

The options for future management of this reserve are;

a) Vest with the Shire of Naremburn for landscape protection. This will ensure protection of the reserve but it would be difficult for the shire to justify it's requirements for such a large area of remnant vegetation.

b) Vest with the NP&NCA as a nature reserve with a Conservation of Flora and Fauna purpose. This will ensure protection of the nature conservation value of the reserve as well as active management to prevent further degradation from rubbish dumping and soil removal.

### Recommendations

Based on the most recent assessment of this remnant indicating that it has a high nature conservation value, the authors recommend the following;

1. The Management Order for the remainder of the reserve be issued to the Conservation Commission for the dual purpose of "*Conservation of Flora and Fauna*" and "*Water*".

\_\_\_\_\_  
**Name**

\_\_\_\_/\_\_\_\_/\_\_\_\_  
**Date**

\_\_\_\_\_  
**Name**

\_\_\_\_/\_\_\_\_/\_\_\_\_  
**Date**

\_\_\_\_\_  
**Name**

\_\_\_\_/\_\_\_\_/\_\_\_\_  
**Date**

## Appendix ??

Fauna list prepared by Ken Wallace 1980.

### Mammals

Rabbit	<i>Oryctolagus cuniculus</i>
Fox	<i>Vulpes vulpes</i>
Grey Kangaroo	<i>Macropus fuliginosus</i>
Echidna	<i>Tachyglossus aculeatus</i>

### Birds

Australian Kestral	<i>Falco cenchroides</i>
Galah	<i>Cacatua roseicapilla</i>
Port Lincoln Ringneck	<i>Barnardius zonarius</i>
Elegant Parrot	<i>Neophema elegans</i>
Rainbow Bee-eater	<i>Merops ornatus</i>
Tree Martin	<i>Cecropis nigricans</i>
Richards pipit	<i>Anthus novaeseelandiae</i>
Black Faced Cuckoo Shrike (v)	<i>Coracina novaehollandiae</i>
Rufous whistler (v)	<i>Pachycephala rufinervis</i>
Grey Shrike thrush	<i>Colluricincla harmonica</i>
Willie Wagtail	<i>Rhipidura leucophrys</i>
White Browed Babbler	<i>Pomatostomus superciliosus</i>
Redthroat	<i>Sericornis brunneus</i>
Inland Thornbill	<i>Acanthiza apicalis</i>
Weebill	<i>Smicrornis brevirostris</i>
Red Wattlebird	<i>Anthochaera carunculata</i>
Singing honeyeater	<i>Lichenostomus virescens</i>
White eared Honeyeater	<i>Lichenostomus leucotis</i>
Brown Honeyeater	<i>Lichmera indistincta</i>
Tawny Crowned Honeyeater	<i>Phylidonyris melanops</i>
White fronted Chat	<i>Ephthianura albifrons</i>
Striated Pardalote (v)	<i>Pardalotus striatus</i>
Grey Butcherbird	<i>Cracticus torquatus</i>
Australian Magpie	<i>Gymnorhina tibicen</i>
Australian Raven (v)	<i>Corvus coronoides</i>
Bronzewing Pigeon	
Crested Pigeon	<i>Ocyphaps lophotes</i>

### Reptiles

<i>Amphibolurus ornatus</i>
<i>Diplodactylus spinigerus</i>

Plant species list as identified by Ken Wallace 1980 and Dr Ken Atkins 1985 & 1989.

*Acacia acuminata*  
*Acacia assimilis*  
*Acacia beauverdiana*  
*Acacia erinacei*  
*Acacia hemiteles*  
*Acacia intricate*  
*Acacia lasiocalyx*  
*Acacia neurophylla*  
*Acacia sp*  
*Acacia merrallii*  
*Allocasuarina acutivalvis*  
*Allocasuarina campestris*  
*Allocasuarina corniculata*  
*Allocasuarina huegeliana*  
*?Baeckea sp*  
*Beaufortia micrantha*  
*Borya nitida*  
*Briza maxima*  
*Callitris canescens*  
*Calothamnus chrysanthus*  
*Calothamnus gilesii*  
*Calothamnus quadrifidus*  
*Cassya sp*  
*Cheilanthes tenuifolia*  
*Condonocarpus cotinifolius*  
*Conospermum stoechadis*  
*Daviesia sp*  
*Dianella revoluta*  
*Dodonaea attenuata*  
*Drummondia sp*  
*Eucalyptus burracoppinensis*  
*Eucalyptus eremophila*  
*Eucalyptus leptopoda*  
*Eucalyptus loxophleba*  
*Eucalyptus redunca*  
*Eucalyptus salmonophloia*  
*Eucalyptus wandoo*  
*Eucalyptus? merrickiae*  
*Gastrolobium spinosum*  
*Glischrocaryon aureum*  
*Grevillea apiculoba*  
*Grevillea excelsior*  
*Grevillea integrifolia*  
*Grevillea paradoxa*  
*Grevillea petrophiloides*  
*Grevillea pritzellii*  
*Grevillea pterosperma*

*Grevillea sp*  
*Gyrostemon ramulosus*  
*Hakea multilineata*  
*Hakea scoparia*  
*Hakea sp*  
*Hakea sulcata*  
*Kunzea pulchella*  
*Lepidosperma ? drummundii*  
*Leptospermum erubescens*  
*Leucopogon sp*  
*Melaleuca cardiophylla*  
*Melaleuca cordata*  
*Melaleuca lateriflora*  
*Melaleuca scabra*  
*Melaleuca sp*  
*Melaleuca uncinata*  
*Olearia muelleri*  
*Persoonia coriacea*  
*Petrophile rigida*  
*Phebalium tuberculatum*  
*Platysace effusa*  
*Pterostylis ? recurve*  
*Rhagodia preissii*  
*Santalum acuminatum*  
*Santalum spicatum*  
*Schoenus sp*  
*Spartochloa scirpoidea*  
*Spiculae ciliata*  
*Stipa elegantissima*  
*Stypandra imbricata*  
*?Thryptomene sp*  
*Thryptomene australis*  
*Thysanotus patersonii*  
*Verticordia brownie*  
*Verticordia sp.*



# RESERVE ASSESSMENT REPORT

## WHEATBELT REGION – NARROGIN DISTRICT

### Reason for Assessment:

This assessment has been carried out as part of a concerted program to assess the nature conservation values of currently unmanaged remnants within the Narembeen Shire with a view to making recommendations on the long term management of these remnants.

### Area Description:

<b>Reserve name:</b>	Mt Cramphorne	<b>Surveyor(s):</b>	BG Muir 1978, B Macmahon, K Kershaw & P Joyce 2004
<b>Reserve number:</b>	27521 (Roe location #)	<b>Survey date:</b>	4/10/04
<b>PIN number(s):</b>		<b>Shire:</b>	Narembeen
<b>Vesting:</b>	Water Authority of WA	<b>Nearest town:</b>	Narembeen
<b>Purpose</b>	Water and Conservation of Flora and Fauna	<b>Nearest road:</b>	Kerses Road
<b>Area of reserve:</b>	333.461	<b>Map reference:</b>	1:50000 Mt Walker 2633-1
<b>NRM Region:</b>		<b>IBRA Sub Region:</b>	Avon Wheatbelt

### Asset values:

<b>Landform</b>	Includes significant granite outcrop and mallee and Kwongan thickets
<b>Soils</b>	Predominantly granite
<b>Geology/Regolith</b>	
<b>Threatened flora</b>	None identified during inspection and file records
<b>Threatened ecological communities</b>	
<b>Critical Habitat</b>	
<b>Threatened fauna</b>	None recorded
<b>Native Fauna</b>	<p>Of significant importance to science because this reserve has the first record of sympatry (co-habitation) between the frog species <i>Pseudophryne guentheri</i> and <i>P. occidentalis</i> (pers comm. from Storr to BG Muir 1978-79.)</p> <p>Other species recorded by Muir in attachment??</p>
<b>Native Flora</b>	Over 45 species identified during previous inspections (see attachment ?)
<b>Vegetation associations</b>	<p>BM/KK/PJ, CALM 2004</p> <ol style="list-style-type: none"> <li>1. Very open <i>E. salmonophloia</i> over mid-dense <i>E. loxophleba</i>, sub sp. <i>lissophloia</i> over very open scrub to 1 metre</li> <li>2. Mid-dense <i>E. capillosa</i> over very open scrub to 1 metre</li> <li>3. Tamma heath of <i>A. campestris</i></li> <li>4. Open <i>E. capillosa</i> to 8metres, over dense <i>A. huegielana</i> over mid dense grass</li> <li>5. Open <i>A. huegielana</i> to 5metres, over very open <i>Styandra imbricata</i>, over dense clumps of <i>Borrrya nitida</i></li> <li>6. A: Mid-dense <i>Eucalyptus mallee</i> sp. to 5 metres over mid-dense scrub to 1 metre. B: Mid-dense <i>E.salubris</i></li> <li>7. Lithic complex (As per Muir 1978)</li> </ol>
<b>Aboriginal evidence</b>	See ArcView DB Records – PJ
<b>European evidence</b>	Unused stone-walled well in creek, see photo: ‘well’
<b>Recreational evidence</b>	
<b>Fire</b>	There was no evidence of a fire event recorded during the inspection.

<b>Other Assets</b>	Fenced water collection dam, currently used. If reserve becomes conservation estate, excision to dam and access track would be recommended.

### **Regional Context:**

This remnant is one of a chain of similar size remnants which run north/south through the eastern part of the Narembreen Shire. Although few are linked by vegetated corridors, remnants of this size have considerable importance for the protection of local ecological communities and species diversity.

Near bye remnants include;

1. Nature Reserve number ?? lies 10km's to the north east and contains similar woodland vegetation types but does not have a granite outcrop.
2. Nature Reserve number ?? lies 15km's to the east and also has similar woodlands but no granite outcrops.

The two Nature Reserves between this reserve and Narembreen town site both are situated low in the profile with lakes and/or water courses through them.

### **Asset Value Summary:**

This remnant has high conservation value due to its size and location in the Narembreen Shire.

**Existing Threats (to nature conservation values):**

<b>Altered hydrology</b>	Surface water flowing from the rock is currently being diverted into dams on adjacent private property and within the reserve. Impacts are unknown, but appear to be minimal.
<b>Introduced plants</b>	Some paddock grasses were noted on the western boundary but generally very few infestations were noted over all. Overall weed infestation is less than 20% cover. Weeds identified during inspection included: Cape weed, Avena fatua, Briza maxima, barley grass,
<b>Introduced animals</b>	Cat/fox presence likely however impacts on local fauna are unknown. Minor Rabbit activity noted.
<b>Problem native plants</b>	None observed
<b>Problem native animals</b>	Not a significant threat.
<b>Disease</b>	None observed.
<b>Detrimental regimes (fire)</b>	Lack of fire management will threaten vegetation diversity/structure and longevity of threatened flora species.
<b>Competing land uses</b>	
Timber cutting / clearing	None observed
Gravel/Sand	None observed
Rubbish	Minor old agricultural debris was identified at two sites, minimal impact.
Other illegal activities	Evidence of very occasional camping.
Grazing	None identified during inspection
Beekeeping	None identified during inspection
Utilities	Water collection dam and water access facilities and two access tracks.
Recreation	See 'Other illegal activities'
Drains	None observed during inspection
Adjoining land use	Surrounded by agricultural farmland, that include some portions of remnant vegetation.
Water collection and storage	Portions of the granite are being utilised by neighbouring landowners for water harvesting, including three

	identified dams.
<b>Lack of habitat</b>	The remnant contains significant habitat. Because of the remnant's size some of the natural processes will be maintained in the long term provided the remnant vegetation is adequately protected and managed. The remnant is irregular in shape, therefore has a reduced 'area to perimeter' ratio.

### **Threats Summary:**

At the time of inspection, the Reserve appears to be under limited long-term threats.

### **Viability (long-term threats to nature conservation values):**

<b>Salinity risk</b>	Minimal effect
<b>Introduced plants</b>	Currently less than 20% and unlikely to increase
<b>Introduce animals</b>	Unknown
<b>Problem native plants</b>	Minimal impact
<b>Problem native animals</b>	Minimal impact
<b>Disease</b>	Minimal impact
<b>Fire viability</b>	Will affect long-term viability of vegetation associations and threatened species
<b>Competing land use</b>	Minimal impact
<b>Lack of habitat</b>	Habitat considered significant within Shire

### **Viability Summary**

- Lack of appropriate fire regimes and the lack of knowledge of the impacts of feral species on native fauna may threaten viability in particular threatened or sensitive species.
- Management by a conservation agency is considered essential

### **Discussion:**

The options for future management of this reserve are;

a) Leave as current vesting

b) Vest with the Shire of Naremburn for landscape protection. This will ensure protection of the reserve but it would be difficult for the shire to justify its requirements for such a large area of remnant vegetation.

c) Vest with the CC as a nature reserve with a Conservation of Flora and Fauna purpose.

### **Recommendations**

Based on the most recent assessment of this remnant indicating that it has a high nature conservation value, the authors recommend the following;

1. The owner of Roe location 2091 be allowed continued access to water shedding from the rock into the current catchment facilities with the proviso that no further infrastructure be built on the reserve.
2. The access required by the owner of Roe Location 2091 be excised from the reserve and vested in the Narembreen Shire for the purpose of "Road".
3. The Management Order for the remainder of the reserve be issued to the Conservation Commission for the dual purpose of "*Conservation of Flora and Fauna*" and "*Water*".

_____ <b>Name</b>	____/____/____ <b>Date</b>
_____ <b>Name</b>	____/____/____ <b>Date</b>
_____ <b>Name</b>	____/____/____ <b>Date</b>



## Appendix ??

Fauna list compiled from numerous lists on the reserve file including contributions by BG

Muir, DWO Silvester and Darren Graham.

### Mammals

Echidna	<i>Tachyglossus aculeatus</i>
Euro	<i>Macropus robustus</i>
Fox	<i>Vulpes vulpes</i>
Grey Kangaroo	<i>Macropus fuliginosus</i>
Rabbit	<i>Oryctolagus cuniculus</i>

### Birds

Nankeen Kestrel	<i>Falco cenchroides</i>
Australian Magpie	<i>Gymnorhina tibicen</i>
Australian Raven (v)	<i>Corvus coronoides</i>
Pacific Black Duck	<i>Anas superciliosa</i>
Inland Thornbill	<i>Acanthiza apicalis</i>
Bronzewing Pigeon	<i>Phaps chalcoptera</i>
Brown Songlark	<i>Cincloramphus cruralis</i>
Crested Bellbird	<i>Oreoica gutturalis</i>
Crested Pigeon	<i>Ocyphaps lophotes</i>
Emu	<i>Dromaius novaehollandiae</i>
Galah	<i>Eolophus roseicapillus</i>
Grey Butcherbird	<i>Cracticus torquatus</i>
Grey Fantail	<i>Rhipidura fuliginosa</i>
Magpie Lark	<i>Grallina cyanoleuca</i>
Australian Wood Duck	<i>Chenonetta jubata</i>
Mulga parrot	<i>Psephotus varius</i>
Pallid Cuckoo	<i>Cuculus pallidus</i>
Port Lincoln Ringneck	<i>Barnardius zonarius</i>
Rainbow Bee-eater	<i>Merops ornatus</i>
Red Capped Robin	<i>Petroica goodenovi</i>
Red Wattlebird	<i>Anthochaera carunculata</i>
Richards Pipit	<i>Anthus novaeseelandiae</i>
Australian Shelduck	<i>Tadorna tadornoides</i>
Singing Honeyeater	<i>Lichenostomus virescens</i>
Tawny Crowned Honeyeater	<i>Phylidonyris melanops</i>
Wedge Tailed Eagle	<i>Aquila audax</i>
Western Shrike Thrush	<i>Colluricincla harmonica</i>
Western Silvereye	<i>Zosteraps lateralis gouldii</i>
Western Warbler	<i>Gerygone fusca</i>
White Browed Babbler	<i>Pomatostomus superciliosus</i>
White eared Honeyeater	<i>Lichenostomus leucotis</i>
Willie Wagtail	<i>Rhipidura leucophrys</i>
Yellow Rumped Thornbill	<i>Acanthiza chrysorrhoa</i>
Yellow Throated Minor	<i>Manorina flavigula</i>
Zebra Finch	<i>Taeniopygia guttata</i>

## Reptiles

*Amphibolurus ornatus*  
*Diplodactylus spinigerus*  
*Teliqua rugosa*

## Amphibians

*Pseudophryne guentheri*  
*Pseudophryne occidentalis*

Flora species list compiled from the reserve file and contributed to by DWO Silvester, Ken Wallace, BG Muir, RD Royce (State herbarium) and H Shugg (Fisheries and Wildlife)

*Acacia acuminata*  
*Acacia beauverdiana*  
*Acacia erinacea*  
*Acacia graffiana*  
*Acacia hemiteles*  
*Acacia lasiocalyx*  
*Acacia pulchella*  
*Acacia saligna*\*  
*Acaia microbotrya*  
*Actinostrobus* sp  
*Allocasuarina campestris*\*  
*Allocasuarina huegeliana*\*  
*Atriplex* sp?  
*Austrostipa elegantissima*  
*Bassia* ? *forestania*  
*Beyeria leschenaultia*  
*Borya nitida*  
*Calothamnua quadrifidus*  
*Calothamnus asper*  
*Calothamnus gilesii*  
*Calytrix leschenaultia*  
*Carpobrotus* sp  
*Cassia nemophylla*  
*Cheilanthes tenifolia*  
*Corynotheca micrantha*  
*Darwinia* sp  
*Dianella revoluta*  
*Dodonaea attenuata*  
*Drosera bulbosa*  
*Drosera* sp x 2  
*Enchylena tomentose*  
*Ennepogon caerulescens*  
*Eucalyptus capillosa*  
*Eucalyptus eromophola*  
*Eucalyptus loxophleba* (mallee)  
*Eucalyptus merrickiae*  
*Eucalyptus salmonophloia*  
*Eucalyptus salubris*  
*Eucalyptus wandoo*  
*Gastrolobium parvifolium*  
*Glischrocaryon flavescens*

*Grevillea paniculata*  
*Grevillea sp*  
*Hakea incrassate*  
*Hakea preissii*  
*Isoetes australiensis*  
*Isoetes brevicula (DRF – Priority 2 or 4 ?)*  
*Keraundrena kessellii*  
*Kunzea pulchella*  
*Lepidosperma aff resinosum*  
*Lepidosperma aff tuberculatum*  
*Lepidosperma drummondii*  
*Lepidosperma scabra*  
*Leptospermum erubescens\**  
*Leptospermum roeii*  
*Lomandra effusa*  
*Lomandra integra*  
*Melaleuca ?radula*  
*Melaleuca eleutherostachya*  
*Melaleuca hamulosa*  
*Melaleuca laxiflora*  
*Melaleuca macronycha*  
*Melaleuca uncinata*  
*Meleleuca lateriflora*  
*Meleleuca spacidiera*  
*Olearia revoluta*  
*Phabalium longifolia*  
*Phabalium tuberculate*  
*Rhagodia preissii*  
*Santalum acuminatum*  
*Santalum spicatum*  
*Schoenus sp*  
*Spartichloa scapoidia*  
*Spartochloa scirpoidea*  
*Stypandra imbricata*  
*Thryptomene australis*  
*Thysanotus patersonii*  
*Triodia scariosa*  
*Verticordia chrysantha*  
*Wurmbia sp*  
*Xanthorrhoea nana*