

# N | Groundwater



N1 Groundwater Technical  
Report

N2 Bore Survey Report

# N2 | Bore Survey Report



# Hancock Coal

Kevin's Corner and Alpha Coal Projects.

## Field Report

Historic data collation and field survey of surrounding landholder bores.



*Prepared for:*

URS Australia  
Level 16, 240 Queen Street  
BRISBANE QLD 4000



4T Consultants Pty Ltd  
Australia





**Client:**

URS Australia Pty Ltd 'The Client'

**Preamble**

This document has been prepared on behalf of and for the exclusive use of the Client.

This document has been prepared with all due care and attention according to accepted practices and techniques. This document is intended only for the Client and may not be relied upon by any other person. The document is based on the best information that was available to 4T at the time of preparation.

**Disclaimer**

In preparing this document, 4T has relied upon, and presumed accurate, certain information (or absence thereof) relative to survey data, previous reports and other bore data provided by Government, the Client and other sources as identified in the document. Except as otherwise stated, 4T has not attempted to verify the accuracy or completeness of any such information. Whilst every care has been taken to ensure the accuracy of information and calculations contained herein, 4T makes no representations or warranties about the accuracy, reliability, completeness or suitability of this report for any particular purpose.

This document is issued in confidence and is relevant only to the issues pertinent to the subject matter contained herein.

4T accepts no responsibility for any misuse or application of the material set out in this document for any purpose other than the purpose for which it is provided. Further, 4T disclaims all responsibility and all liability for any and all expenses, losses, damages (including indirect or consequential damage) and costs which anyone may incur as a result of the report being inaccurate or incomplete in any way and for any reason. 4T Consultants Pty Ltd (4T) disclaims any and all liability for damages of whatsoever nature to any other party and accepts no responsibility for any damages of whatsoever nature, however caused arising from misapplication or misinterpretation by third parties of the contents of this document.

**Data / confidentiality**

This report contains information and data that is confidential and/or subject to intellectual property (IP) restrictions. Readers agree to be bound by confidentiality and IP provisions in order not to cause any damage or hardship to the owners, and/or IP providers, or misuse of the data. Ownership of the document rests with the Client.

No part of this document may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission from the owners. To obtain permission contact the owners at the address below. This document may contain 'Commercial-in Confidence' information and is not for distribution without permission from the Client.

**Copyright**

This document, electronic files or software are the copyright and the information contained therein is solely for the use of the Client and may not be used, copied or reproduced in whole or part for any purpose without the prior written authority of 4T Consultants Pty Ltd.

**Contact:**

Ian Rankine	Tel:	(07) 49824100
4T Consultants Pty Ltd.,	Email:	i.rankine@4t.com.au
PO Box 1946		
EMERALD 4720		

July 2011

**Document Status Record**

Client: URS Australia Limited 'The Client'

Document Type: Report

Project: Historic data collation and field survey of landholder bores - Alpha.

File Ref: R\_20110728\_HANC\_106\_Bore\_Survey\_V4.docx

Issue No.	Date of Issue	Prepared by	Reviewer	Reviewer
Version 1 Draft	30/3/11	IR	BR	
Rev 2	06/04/11	IR	BR	
Rev 3	19/7/11	FM	BR	
Rev 4	28/7/11	CB	BR	IR

Signatures:

---

**Distribution:**

Issue No.	Recipient(s)	No. copies
Version 1 Draft	M Stewart	Electronic PDF
Revision 2	M Stewart	Electronic PDF
Revision 3		
Revision 4	M Stewart	Electronic PDF 4T File Copy

## Contents

<b>1</b>	<b>Introduction .....</b>	<b>7</b>
<b>2</b>	<b>Scope of Work.....</b>	<b>7</b>
<b>3</b>	<b>Methodologies.....</b>	<b>7</b>
3.1	Bore survey .....	7
<b>4</b>	<b>Water quality testing.....</b>	<b>10</b>
4.1	Use of NATA accredited laboratories .....	10
4.2	Groundwater sampling techniques .....	11
<b>5</b>	<b>Results and discussion .....</b>	<b>12</b>
5.1	Initial contact with landholders .....	12
5.2	Field bore survey and verification .....	12
<b>6</b>	<b>Water quality results.....</b>	<b>12</b>
<b>7</b>	<b>Safety and on-site activities.....</b>	<b>12</b>



## 1 Introduction

The project included the activities outlined in the Scope of Works (SOW) below.

The majority of the bores were surveyed and recorded on 21-23 February 2011. On these dates the following properties could not be surveyed:

- Surbiton South                      Owner not on the property
- Wendouree                            Owner not on the property
- Kia Ora                                Owner not on the property
- Glen Innes                            Owner not on the property,  
Permit to Enter Nature Reserve Required.

4T made numerous attempts (including two trips to Alpha) to implement follow up visits to these properties from December 2010 to May 2011.

The bores on these four properties were surveyed on 20 – 24 June 2011.

All procedures according to HC-PRW-SR-PRO-002 (Hancock Coal - Alpha Coal Project. Stakeholder Meeting/Activity Procedure) and additional URS procedures were followed prior to and during each visit and contact. All visits and attempts to follow-up were conducted in cooperation with on-site Hancock Coal liaison and URS personnel.

## 2 Scope of Work

The initial project work involved two phases:

Phase 1: Historic data collation (DERM) and initial contact with involved landholders.

Phase 2: Conduct a field survey of the bores in the Area Of Interest (AOI), including recording all relevant details and photographic records. Provide a report of findings.

Collect water sample collection, and provide a report presenting findings

For both phases of operation, the work included data management and reporting in formats as outlined in URS Proposal Request 42626676/GW/1.

The (AOI) is within the MLA 70426 and MLA 70425 leases and the neighbouring properties as indicated in the proposal documents.

## 3 Methodologies

### 3.1 Bore survey

Methodologies to conduct the bore survey followed the guidelines outlined in URS Proposal Request 42626676/GW/1 of 7<sup>th</sup> October 2010.



Data for all bores on the properties within the AOI were requested from DERM. This was provided to 4T in spreadsheet format (Appendix 2). The available information from the DERM database was very limited and mostly unverified, and follow up discussions with DERM indicate that this is all the data available. No original drillers bore logs or information sheets were available from DERM for the majority of the bores.

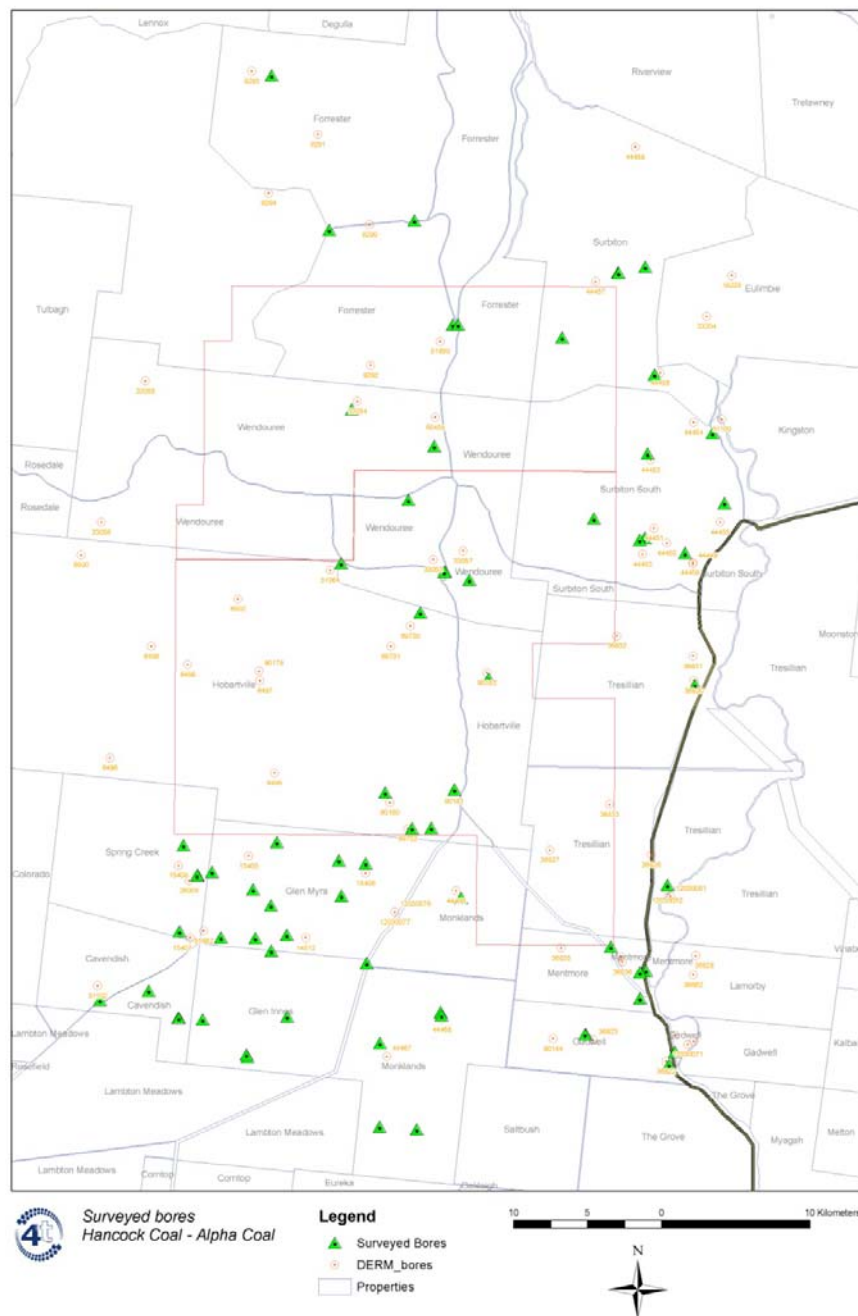
During the field survey, bore coordinates were captured using Garmin 76CS handheld GPS units. Satellite reception was excellent and the GPS units were stabilised to  $\pm 4\text{m}$  before the point was captured. These units have previously been tested by 4T, and the accuracy has been shown to be  $\pm 2\text{m}$ . This provides an acceptable level of accuracy for this survey. The coordinates were collected in GDA94 UTM as this is the basis of the 4T GIS system and working maps. DERM also provided the bore data in this format. The field survey has shown that many of the locations provided by DERM are incorrect and need to be updated.

At the beginning of the survey, 4T prepared laminated A3 maps showing the bore locations as provided by DERM. These maps were carried by the field officers and shown to all landholders. Landholders were requested to identify the 'active' bores on their property. During these sessions, the landholders often commented that the positions of many of the bores identified by DERM were incorrect or that bores shown on the maps were non-existent. Once the landholders had identified the bores that were still in operation on the property, and these were surveyed.

The landholders also advised 4T where bores were:

- unserviceable
- no longer in existence – e.g. all head works etc. removed and bore site returned to natural state.
- collapsed, plugged or filled
- unknown or never located on the property

4T only conducted the survey on the active (or potentially active) bores as identified by individual landholders. 4T did not visit or survey the bores that were identified as unserviceable or not available as indicated in Figure 1.



**Figure 1: Active landholder bores surveyed in vicinity of Hancock Coal.**

Following discussions between 4T, URS and JBT Consulting (JBT), pumping and capacity testing was not undertaken and strategic bores will be tested after a review by JBT and URS of the collated bore survey data.

## **4 Water quality testing.**

Water quality samples from all accessible bores were taken on 20-24 June 2011 by 4T personnel.

Water quality samples were taken from two (2) bores on each property. Where possible, the bores sampled were a livestock bore and a domestic bore. Samples were taken either by using:

- A low flow groundwater pump or
- An existing tap/valve

Where possible the sample collected was fresh from the bore. However, not all pumps were operational during this time period. Samples taken that could not be collected from a pumping bore have been noted on the Field Record Sheets.

Water quality samples were analysed for the following:

- Electrical Conductivity (EC)
- Total Dissolved Solids (TDS)
- Alkalinity
- Dissolved Sulphate
- Chloride
- Calcium
- Magnesium
- Sodium
- Potassium
- Dissolved Metals
- Ammonia
- Nitrate
- Nitrogen
- Kjeldahl Nitrogen
- Nitrite
- Phosphorus

### **4.1 Use of NATA accredited laboratories**

Water quality samples were tested at Australian Laboratory Services (ALS). ALS is a NATA accredited laboratory for all tests conducted for this survey. ALS procedures and QA/QC can be provided upon request.

## 4.2 Groundwater sampling techniques

All water quality samples have been taken in accordance with:

- Monitoring and Sampling Manual, (2009), DERM.
- AS/NZ 5667.1:1998
- AS/NZ 5667.4:1998
- AS/NZ 5667. 11:1998
- EPA Guidelines: Regulatory monitoring and testing - Groundwater sampling (2007). EPA South Australia.

4T uses low flow purge pumping for groundwater sampling, because this provides the most representative sample and consistency of sampling. The 4T groundwater sampling SOP has been developed from the guidelines mentioned above, and through extensive experience and progressive development with low flow purge pumping.

Groundwater pumps and components are all made of inert materials such as high quality stainless steel, PTFE and Teflon.

The pumps are air driven with no electrical components in the sample well. The reasons for adopting such stringent specifications are:

- To avoid metal or other contamination from impellers and other components
- Ensure that there are no ignition sources in or near the well during pumping
- To increase equipment reliability and reduce downtime
- To enable variable, yet very gentle pumping cycles to minimise disturbance and agitation of the sample
- To avoid high pump rates (e.g. as with electric high volume pumps), or contamination from bumping casing walls (e.g. as with bailing) and screens etc during sampling which may introduce additional contaminants.

Low flow purge pumping takes slightly longer than some other methods, but the sample quality and consistency justify the additional time and care.

For QA purposes, field sampling and notes are recorded on 4T Field Record Sheets which also identify the officer taking the samples. These are retained at 4T for seven (7) years after sampling.

Original field record sheets can be scanned into PDF format and provided to URS upon request.

## **5 Results and discussion**

### **5.1 Initial contact with landholders**

4T, in cooperation with Hancock Coal (HC) personnel made contact with all the relevant landholders on several occasions whilst attempting to schedule survey and sampling activities when wet weather allowed access. 4T has followed stakeholder meeting procedures (HC-PRW-SR-PRO-0002) in cooperation with the on-site Hancock Coal liaison personnel. All landholders have been cooperative and no significant issues have been raised.

During field visits and discussions with the landholders as part of this survey, a significant proportion of the information contained in the DERM database was updated. The bore details contained in this report have been verified by visits and discussions with the landholders.

### **5.2 Field bore survey and verification**

The majority of the bores were surveyed and recorded on 21-23 February 2011 by four (4) 4T personnel in an attempt to complete the survey during dry weather. The information that was gathered and available DERM data is included in this report.

The bores on Surbiton South, Wendouree, Kia Ora and Glen Innes were surveyed on 20 – 24 June 2011 by two (2) 4T personnel.

Capacity testing has not been undertaken and will be conducted after a review of the available information by JBT and URS to determine which bores should be strategically tested. Natural springs were not assessed due to inaccessibility.

The results of the property bores surveyed are contained in Appendix 1.

## **6 Water quality results**

Water quality results from ALS are summarised in Appendix 3.

## **7 Safety and on-site activities.**

There have been no safety issues or breaches during our surveys.

On-site support and liaison has followed guidelines and there have been no problems or issues. As stated previously, the landholders have been very helpful and there have been no problems during visits or communications.

- § -









## **Appendix 1: Bore information from properties surveyed.**

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Burtle	<b>PHONE (H):</b>	07 49853483
<b>CONTACT:</b>	John Sparrow	<b>PHONE (B):</b>	07 49853490
<b>MOBILE:</b>		<b>EMAIL:</b>	nthtullamore@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	House Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	House Bore	<b>EASTING:</b>	464042
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7429868

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	700
<b>STANDING WATER LEVEL(m):</b>	17.91	<b>BORE YIELD (L/sec)</b>	0.88
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	2hours/day	<b>USAGE TYPE:</b>	Stock/domestic
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

TOC 29cm from ground.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Cavendish	<b>PHONE (H):</b>	07 46514104
<b>CONTACT:</b>	Allan & Rhonda Coyne	<b>PHONE (B):</b>	07 46514104
<b>MOBILE:</b>	0447514234	<b>EMAIL:</b>	arcoyne@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	House Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	427191
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7408537

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not known
<b>SCREENED INTERVAL:</b>	73-76m	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible
<b>DEPTH TO PUMP:</b>	60.0	<b>BORE YIELD (Gal/Hr):</b>	1000
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	1.26
<b>PUMPING WATER LEVEL (m):</b>	48.79		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	5-6days/week	<b>USAGE TYPE:</b>	Stock & domestic
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

Pumping @ time of observation.  
~25km of pipe & waters 3/4 of property. Owners requested that bore information from project be provided to them.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Cavendish	<b>PHONE (H):</b>	07 46514104
<b>CONTACT:</b>	Allan & Rhonda Coyne	<b>PHONE (B):</b>	07 46514104
<b>MOBILE:</b>	0447514234	<b>EMAIL:</b>	arcoyne@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	30-09c	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	430215
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7409168

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	127
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	33.84	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not used	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS****COMMENTS:**

TOC 12cm above ground.  
Owners requested that bore information from project be provided to them.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Cavendish	<b>PHONE (H):</b>	07 46514104
<b>CONTACT:</b>	Allan & Rhonda Coyne	<b>PHONE (B):</b>	07 46514104
<b>MOBILE:</b>	447514234	<b>EMAIL:</b>	arcoyne@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Old bottom bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	432086
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7407360

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	140
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	48.22	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not used	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

TOC 51cm above ground.  
No cap. Owners requested that bore information from project be provided to them.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Cavendish	<b>PHONE (H):</b>	07 46514104
<b>CONTACT:</b>	Allan & Rhonda Coyne	<b>PHONE (B):</b>	07 46514104
<b>MOBILE:</b>	0447514234	<b>EMAIL:</b>	arcoyne@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Bottom bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	Kurrajong bore	<b>EASTING:</b>	432053
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7407362

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	125
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible
<b>DEPTH TO PUMP:</b>	110.0	<b>BORE YIELD (Gal/Hr):</b>	1100
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	1.39
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Every 2nd day	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Obstruction at 29m. Unable to get water depth.  
Owners requested that bore information from project be provided to them.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Forrester	<b>PHONE (H):</b>	07 49835383
<b>CONTACT:</b>	Ross and Sandy McKeering	<b>PHONE (B):</b>	07 49835383
<b>MOBILE:</b>		<b>EMAIL:</b>	forrester1@activ8.net.au

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	House Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	No. 1 Bore	<b>EASTING:</b>	446514
<b>DERM RN:</b>	Not registered	<b>NORTHING:</b>	7461063

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Early 1900's
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	100
<b>CASING TYPE:</b>	S/Steel	<b>BORE DEPTH(m)</b>	86
<b>SCREENED INTERVAL:</b>	Unknown	<b>LITHOLOGY:</b>	Sandstone

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible- Grunfos
<b>DEPTH TO PUMP:</b>	60.0	<b>BORE YIELD (Gal/Hr):</b>	5000
<b>STANDING WATER LEVEL(m):</b>	16.0	<b>BORE YIELD (L/sec)</b>	6.31
<b>PUMPING WATER LEVEL (m):</b>	25.72		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	max 10hrs/day 7 days	<b>USAGE TYPE:</b>	Stock/ domestic
<b>WATER QUALITY OBSERVATIONS:</b>	Drinkable, Potable		

### PHOTOGRAPHS

### COMMENTS:

New bores drilled by Waratah Coal nearby yield at +10000gal/hr.  
Bore measured at c. 5,000gal/hour but this was maximum capacity of drillers gauge so yield may be >5,000gal/hr. Ross requested that all information is provided to them.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Forrester	<b>PHONE (H):</b>	07 49835383
<b>CONTACT:</b>	Ross and Sandy McKeering	<b>PHONE (B):</b>	07 49835383
<b>MOBILE:</b>		<b>EMAIL:</b>	forrester1@activ8.net.au

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Cudmare	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	No. 5 Bore	<b>EASTING:</b>	Not Available
<b>DERM RN:</b>	9294	<b>NORTHING:</b>	Not Available

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	15707
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	103
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS**

No Photo Available

**COMMENTS:**

No longer in existence  
Not used. Ross requested that all information is provided to them.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Forrester	<b>PHONE (H):</b>	07 49835383
<b>CONTACT:</b>	Ross and Sandy McKeering	<b>PHONE (B):</b>	07 49835383
<b>MOBILE:</b>		<b>EMAIL:</b>	forrester1@activ8.net.au

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Turkeys Nest	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	Barrys Bore	<b>EASTING:</b>	448920
<b>DERM RN:</b>	51690	<b>NORTHING:</b>	74540555

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	1970's
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	31
<b>SCREENED INTERVAL:</b>	Unknown	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible- Grundfos
<b>DEPTH TO PUMP:</b>	15.0	<b>BORE YIELD (Gal/Hr):</b>	5000
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	6.31
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	5-6hrs/day 7 days in summer can pump for 10hrs/day	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

Could not access SWL headworks prevented access. There is a back-up bore for this supply about 200m away currently being used by Hancock coal SWL 10.50m. (GDA94 E449240, N 7454044)

Bore measured at c. 5,000gal/hour but this was maximum capacity of drillers gauge so yield may be >5,000gal/hr. Ross requested that all information is provided to them.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Forrester	<b>PHONE (H):</b>	07 49835383
<b>CONTACT:</b>	Ross and Sandy McKeering	<b>PHONE (B):</b>	07 49835383
<b>MOBILE:</b>		<b>EMAIL:</b>	forrester1@activ8.net.au

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Walleroo	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	No. 3 Bore	<b>EASTING:</b>	Not Available
<b>DERM RN:</b>	9292	<b>NORTHING:</b>	Not Available

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	93
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Sandstone

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	Helical rotor
<b>DEPTH TO PUMP:</b>	42.0	<b>BORE YIELD (Gal/Hr):</b>	1200
<b>STANDING WATER LEVEL(m):</b>	20.0	<b>BORE YIELD (L/sec)</b>	1.52
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	3dys on/3days off 12hrs/day.	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS**

No Photo Available

**COMMENTS:**

No longer in existence  
Not used. Ross requested that all information is provided to them.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Forrester	<b>PHONE (H):</b>	07 49835383
<b>CONTACT:</b>	Ross and Sandy McKeering	<b>PHONE (B):</b>	07 49835383
<b>MOBILE:</b>		<b>EMAIL:</b>	forrester1@activ8.net.au

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Simplex	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	No. 4 Bore	<b>EASTING:</b>	437573
<b>DERM RN:</b>	9293	<b>NORTHING:</b>	7470777

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Early 1900's
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	40
<b>SCREENED INTERVAL:</b>	30-40m	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible - Grundfos
<b>DEPTH TO PUMP:</b>	28.0	<b>BORE YIELD (Gal/Hr):</b>	1000
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	1.26
<b>PUMPING WATER LEVEL (m):</b>	20.1		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	600gal/day every day	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Good, Potable		

### PHOTOGRAPHS

### COMMENTS:

Have to lift headworks to get SWL. Solar panels run pump therefore water can only be pumped when sun is available. Ross requested that all information is provided to them.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Forrester	<b>PHONE (H):</b>	07 49835383
<b>CONTACT:</b>	Ross and Sandy McKeering	<b>PHONE (B):</b>	07 49835383
<b>MOBILE:</b>		<b>EMAIL:</b>	forrester1@activ8.net.au

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Old Lookout Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	No. 2 Bore	<b>EASTING:</b>	Not Available
<b>DERM RN:</b>	9290	<b>NORTHING:</b>	Not Available

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Petts Drilling, Mackay	<b>DRILLED DATE:</b>	Early 1900's
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	66
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY</b>	Potable		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS**

No Photo Available

**COMMENTS:**

Replaced by new lookout bore.  
Ross requested that all information is provided to them.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Forrester	<b>PHONE (H):</b>	07 49835383
<b>CONTACT:</b>	Ross and Sandy McKeering	<b>PHONE (B):</b>	07 49835383
<b>MOBILE:</b>		<b>EMAIL:</b>	forrester1@activ8.net.au

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	New Lookout Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	441201
<b>DERM RN:</b>	Not registered	<b>NORTHING:</b>	7460400

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Geo Pro	<b>DRILLED DATE:</b>	2007-2008
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	125
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	96
<b>SCREENED INTERVAL:</b>	90-96m	<b>LITHOLOGY:</b>	Sandstone

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible - Grundfos
<b>DEPTH TO PUMP:</b>	90.0	<b>BORE YIELD (Gal/Hr):</b>	800
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	1.01
<b>PUMPING WATER LEVEL (m):</b>	43.7		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	2-3hrs/day every day. Wendouree plans to double use volume.	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS

### COMMENTS:

Old bore 10m away with windmill installed.  
Ross requested that all information is provided to them.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Gadwell	<b>PHONE (H):</b>	07 49851205
<b>CONTACT:</b>	Bevan and Aloma	<b>PHONE (B):</b>	
	Everingham		
<b>MOBILE:</b>	0427851205	<b>EMAIL:</b>	gadwell1@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	House Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	House Bore	<b>EASTING:</b>	462491
<b>DERM RN:</b>	36822	<b>NORTHING:</b>	7404316

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	60
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Helical Rotors
<b>DEPTH TO PUMP:</b>	45.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	23.83m		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	4000L per day 8-9hrs/day for 3 days at a time.	<b>USAGE TYPE:</b>	Domestic/Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

Windmill installed, 2nd bore 3m away no headworks.





**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Gadwell	<b>PHONE (H):</b>	07 49851205
<b>CONTACT:</b>	Bevan and Aloma	<b>PHONE (B):</b>	
	Everingham		
<b>MOBILE:</b>	0427851205	<b>EMAIL:</b>	gadwell1@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Back Bore 1	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	Gadwell Bore	<b>EASTING:</b>	457349
<b>DERM RN:</b>	36823	<b>NORTHING:</b>	7406333

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	60
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Helical Rotors
<b>DEPTH TO PUMP:</b>	45.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	34.75	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	35.02m		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	4000L per day 8-9hrs/day for 3 days at a time.	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

Windmill installed, 2nd bore 20m away with diesel pump installed.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Gadwell	<b>PHONE (H):</b>	07 49851205
<b>CONTACT:</b>	Bevan and Aloma	<b>PHONE (B):</b>	
	Everingham		
<b>MOBILE:</b>	0427851205	<b>EMAIL:</b>	gadwell1@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Creek Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	Creek Bore	<b>EASTING:</b>	462850
<b>DERM RN:</b>	89348	<b>NORTHING:</b>	7405160

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	60
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Mono Pump
<b>DEPTH TO PUMP:</b>	45.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	10.51	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	4000L per day 8-9hrs/day for 3 days at a time.	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS

### COMMENTS:





**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Gadwell	<b>PHONE (H):</b>	07 49851205
<b>CONTACT:</b>	Bevan and Aloma	<b>PHONE (B):</b>	
	Everingham		
<b>MOBILE:</b>	0427851205	<b>EMAIL:</b>	gadwell1@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	2nd House Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	Not Available
<b>DERM RN:</b>	Not Registered	<b>NORTHING:</b>	Not Available

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	4.8	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS****COMMENTS:**

Very close to current house bore.

# PROPERTY INFORMATION

<b>PROPERTY:</b>	Gadwell	<b>PHONE (H):</b>	07 49851205
<b>CONTACT:</b>	Bevan and Aloma	<b>PHONE (B):</b>	
	Everingham		
<b>MOBILE:</b>	427851205	<b>EMAIL:</b>	gadwell1@bigpond.com

# BORE LOCATION

<b>LOCAL BORE NAME:</b>	Back Bore 2	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	457271
<b>DERM RN:</b>	Not Registered	<b>NORTHING:</b>	7406325

# DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

# PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Mono Pump
<b>DEPTH TO PUMP:</b>	45.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

# WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	4000L per day 8-9hrs/day for 3 days at a time.	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

# PHOTOGRAPHS

# COMMENTS:

Next to windmill in shed.  
SWL inaccessible due to headworks.



## PROPERTY INFORMATION

<b>PROPERTY:</b>	Hobartville	<b>PHONE (H):</b>	49853481
<b>CONTACT:</b>	Steve and Vonda Kimber	<b>PHONE (B):</b>	49853481
<b>MOBILE:</b>		<b>EMAIL:</b>	steve.kimber@bigpond.com

## BORE LOCATION

<b>LOCAL BORE NAME:</b>	Sandy Creek Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	442039
<b>DERM RN:</b>	51064	<b>NORTHING:</b>	7437976

## DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	31/12/1899
<b>BORE AGE (YRS):</b>	111.0	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	85
<b>SCREENED INTERVAL:</b>	60m to N/A	<b>LITHOLOGY:</b>	Not Available

## PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible. Grundfos SQF 2.5-2N
<b>DEPTH TO PUMP:</b>	62.0	<b>BORE YIELD (Gal/Hr):</b>	1000
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	1.26
<b>PUMPING WATER LEVEL (m):</b>	24.59		

## WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	7days/week, 3 hours/day when cattle in paddock.	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Potable		

## PHOTOGRAPHS

## COMMENTS:

WQ to be checked by testing  
Old windmill tower in place, but windmill no longer used.  
Solar panel.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Hobartville	<b>PHONE (H):</b>	49853481
<b>CONTACT:</b>	Steve and Vonda Kimber	<b>PHONE (B):</b>	49853481
<b>MOBILE:</b>		<b>EMAIL:</b>	steve.kimber@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Buffel Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	TPB-4	<b>EASTING:</b>	446980
<b>DERM RN:</b>	69730	<b>NORTHING:</b>	7434677

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Bridge Oil Co (Rotary Rig)	<b>DRILLED DATE:</b>	30188
<b>BORE AGE (YRS):</b>	28.6	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	70
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Mono 520
<b>DEPTH TO PUMP:</b>	67.0	<b>BORE YIELD (Gal/Hr):</b>	1000
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	1.26
<b>PUMPING WATER LEVEL (m):</b>	13.23		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	7days/week; 5hours/day when cattle in paddock	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Saline		

### PHOTOGRAPHS

### COMMENTS:

Diesel Lister with V belt drive. 50mm poly outlet line  
Bore tested 8,800 Gals/hour when originally tested at time of drilling.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Hobartville	<b>PHONE (H):</b>	49853481
<b>CONTACT:</b>	Steve and Vonda Kimber	<b>PHONE (B):</b>	49853481
<b>MOBILE:</b>		<b>EMAIL:</b>	steve.kimber@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Bullock Paddock Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	451223
<b>DERM RN:</b>	90182	<b>NORTHING:</b>	7430245

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	2.0	<b>CASING ID (mm)</b>	125
<b>CASING TYPE:</b>	PVC Class 12	<b>BORE DEPTH(m)</b>	122
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible. Grundfos SQF 2.5-2N
<b>DEPTH TO PUMP:</b>	65.0	<b>BORE YIELD (Gal/Hr):</b>	1200
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	1.52
<b>PUMPING WATER LEVEL (m):</b>	22.46		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	7days/week; 6hours per day @ 1000gals/hr. when stock in paddock	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Potable		

### PHOTOGRAPHS

### COMMENTS:

Water is from sandstone aquifer. Solar panel.





## PROPERTY INFORMATION

<b>PROPERTY:</b>	Hobartville	<b>PHONE (H):</b>	49853481
<b>CONTACT:</b>	Steve and Vonda Kimber	<b>PHONE (B):</b>	49853481
<b>MOBILE:</b>		<b>EMAIL:</b>	steve.kimber@bigpond.com

## BORE LOCATION

<b>LOCAL BORE NAME:</b>	Saltbush Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	PTB-1	<b>EASTING:</b>	446515
<b>DERM RN:</b>	69732	<b>NORTHING:</b>	7420174

## DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Bridge Oil Co (Rotary Rig)	<b>DRILLED DATE:</b>	30164
<b>BORE AGE (YRS):</b>	28.66	<b>CASING ID (mm)</b>	0
<b>CASING TYPE:</b>	Internal steel, Outside Casing PVC	<b>BORE DEPTH(m)</b>	61
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

## PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Mono 520
<b>DEPTH TO PUMP:</b>	52.0	<b>BORE YIELD (Gal/Hr):</b>	1000
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	1.26
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

## WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	7days/week; 5hours/day if cattle in paddock	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Potable		

## PHOTOGRAPHS

## COMMENTS:

Cannot test SWL because headworks fully seal top of casing. Ladder required to access outlet.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Hobartville	<b>PHONE (H):</b>	49853481
<b>CONTACT:</b>	Steve and Vonda Kimber	<b>PHONE (B):</b>	49853481
<b>MOBILE:</b>		<b>EMAIL:</b>	steve.kimber@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Spring Creek Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	444829
<b>DERM RN:</b>	90180	<b>NORTHING:</b>	7422559

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	80.0	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	122
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Mono 520
<b>DEPTH TO PUMP:</b>	73.0	<b>BORE YIELD (Gal/Hr):</b>	1000
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	1.26
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	7days/week; 8hours/day when cattle in paddock	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Potable		

**PHOTOGRAPHS****COMMENTS:**

Cannot test SWL because headworks completely cover the top of bore casing. 50mm poly outlet line.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Hobartville	<b>PHONE (H):</b>	49853481
<b>CONTACT:</b>	Steve and Vonda Kimber	<b>PHONE (B):</b>	49853481
<b>MOBILE:</b>		<b>EMAIL:</b>	steve.kimber@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Hobartville House Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	449142
<b>DERM RN:</b>	90181	<b>NORTHING:</b>	7422691

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible. Grundfos SQF 2.5-2N
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	16.64		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Domestic
<b>WATER QUALITY</b>	Potable		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS**

No Photo Available

**COMMENTS:**

Bore checked 27/8/10 and had very low flow rate. Pump headworks cannot be moved, so casing may have collapsed.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Mentmore	<b>PHONE (H):</b>	07 49851205
<b>CONTACT:</b>	Bevan and Aloma	<b>PHONE (B):</b>	
	Everingham		
<b>MOBILE:</b>	0427851205	<b>EMAIL:</b>	gadwell1@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	House Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	460672
<b>DERM RN:</b>	Not registered	<b>NORTHING:</b>	7408769

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	60
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible - Grundfos
<b>DEPTH TO PUMP:</b>	45.0	<b>BORE YIELD (Gal/Hr):</b>	400
<b>STANDING WATER LEVEL(m):</b>	24.72	<b>BORE YIELD (L/sec)</b>	0.51
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Property recently purchased usage unknown.	<b>USAGE TYPE:</b>	Domestic/Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS

### COMMENTS:

Owners requested that bore information from project be provided to them.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Mentmore	<b>PHONE (H):</b>	07 49851205
<b>CONTACT:</b>	Bevan and Aloma	<b>PHONE (B):</b>	
	Everingham		
<b>MOBILE:</b>	0427851205	<b>EMAIL:</b>	gadwell1@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Powerline Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	460667
<b>DERM RN:</b>	Not registered	<b>NORTHING:</b>	7410525

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	80
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Not functioning.
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Property recently purchased usage unknown.	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS

### COMMENTS:

Headworks block SWL, plans to use heavily for stock watering. Owners requested that bore information from project be provided to them.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Mentmore	<b>PHONE (H):</b>	07 49851205
<b>CONTACT:</b>	Bevan and Aloma	<b>PHONE (B):</b>	
	Everingham		
<b>MOBILE:</b>	0427851205	<b>EMAIL:</b>	gadwell1@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Hancock Test Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	458873
<b>DERM RN:</b>	Not registered	<b>NORTHING:</b>	7412230

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Hancock.	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not used
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS****COMMENTS:**

Drilled by Hancock Coal - Sealed.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Monklands	<b>PHONE (H):</b>	07 49853484
<b>CONTACT:</b>	Reid Bauman	<b>PHONE (B):</b>	07 49853484
<b>MOBILE:</b>		<b>EMAIL:</b>	bauman4@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Shanghai	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	446876
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7399916

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	65
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible
<b>DEPTH TO PUMP:</b>	45.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	33.1	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	6hrs/day 7days	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

TOC 25cm above ground.  
Owners requested that bore information from project be provided to them.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Monklands	<b>PHONE (H):</b>	07 49853484
<b>CONTACT:</b>	Reid Bauman	<b>PHONE (B):</b>	07 49853484
<b>MOBILE:</b>		<b>EMAIL:</b>	bauman4@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Cumberland	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	444564
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7400072

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	30
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Windmill
<b>DEPTH TO PUMP:</b>	28.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	26.8		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

TOC 72cm above ground.  
Owners requested that bore information from project be provided to them.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Monklands	<b>PHONE (H):</b>	07 49853484
<b>CONTACT:</b>	Reid Bauman	<b>PHONE (B):</b>	07 49853484
<b>MOBILE:</b>		<b>EMAIL:</b>	bauman4@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Deadhorse	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	448319
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7407789

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	62
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible
<b>DEPTH TO PUMP:</b>	40.0	<b>BORE YIELD (Gal/Hr):</b>	1000
<b>STANDING WATER LEVEL(m):</b>	10.82m	<b>BORE YIELD (L/sec)</b>	1.26
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	2hrs/day 7days	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Need to move headworks to get SWL. Portable panels around bore 01/10/04 date on top of casing. TOC 37cm above ground. Owners requested that bore information from project be provided to them.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Monklands	<b>PHONE (H):</b>	07 49853484
<b>CONTACT:</b>	Reid Bauman	<b>PHONE (B):</b>	07 49853484
<b>MOBILE:</b>		<b>EMAIL:</b>	bauman4@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	New Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	448384
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7407593

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	20
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Windmill
<b>DEPTH TO PUMP:</b>	19.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	8.81		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS****COMMENTS:**

Owners requested that bore information from project be provided to them.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Monklands	<b>PHONE (H):</b>	07 49853484
<b>CONTACT:</b>	Reid Bauman	<b>PHONE (B):</b>	07 49853484
<b>MOBILE:</b>		<b>EMAIL:</b>	bauman4@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Old Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	444572
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7405708

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	30
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Windmill
<b>DEPTH TO PUMP:</b>	28.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	12.34		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS****COMMENTS:**

TOC 40cm above ground.  
Owners requested that bore information from project be provided to them.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Monklands	<b>PHONE (H):</b>	07 49853484
<b>CONTACT:</b>	Reid Bauman	<b>PHONE (B):</b>	07 49853484
<b>MOBILE:</b>		<b>EMAIL:</b>	bauman4@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Red Tank	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	449570
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7415473

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	110
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	34
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Windmill
<b>DEPTH TO PUMP:</b>	30.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	16.26	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

TOC 20cm above ground.  
Owners requested that bore information from project be provided to them.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Spring Creek	<b>PHONE (H):</b>	07 49851109
<b>CONTACT:</b>	Don & Kaye Gordon	<b>PHONE (B):</b>	07 49851109
<b>MOBILE:</b>		<b>EMAIL:</b>	sedgeford.pastoral@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Namco Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	433194
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7416969

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Namco	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	43.35m	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

Owners requested that bore information from project be provided to them.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Spring Creek	<b>PHONE (H):</b>	07 49851109
<b>CONTACT:</b>	Don & Kaye Gordon	<b>PHONE (B):</b>	07 49851109
<b>MOBILE:</b>		<b>EMAIL:</b>	sedgeford.pastoral@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Old Namco Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	433179
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7416952

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Windmill
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Unable to get SWL – inaccessible.  
Owners requested that bore information from project be provided to them.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Spring Creek	<b>PHONE (H):</b>	07 49851109
<b>CONTACT:</b>	Don & Kaye Gordon	<b>PHONE (B):</b>	07 49851109
<b>MOBILE:</b>		<b>EMAIL:</b>	sedgeford.pastoral@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Old yard bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	Exploration bore	<b>EASTING:</b>	432112
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7413175

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	23012
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	127
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	7.05	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not used	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS

### COMMENTS:

Height above ground level ~12cm.  
 Drilled by Waratah Coal. Check for drill records.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Spring Creek	<b>PHONE (H):</b>	07 49851109
<b>CONTACT:</b>	Don & Kaye Gordon	<b>PHONE (B):</b>	07 49851109
<b>MOBILE:</b>		<b>EMAIL:</b>	sedgeford.pastoral@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Old Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	432322
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7418977

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	130
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	58.83	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not used	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Height above ground level 23.5cm.  
 No cap.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Surbiton	<b>PHONE (H):</b>	07 49835084
<b>CONTACT:</b>	Elsie Dillon	<b>PHONE (B):</b>	07 49835084
<b>MOBILE:</b>		<b>EMAIL:</b>	surbitonstation@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Old 12 Mile Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	459193
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7457605

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	130
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	20.42	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS**

No Photo Available

**COMMENTS:**

TOC 52cm from ground.  
Mrs Dillon requested that all information be provided to them.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Surbiton	<b>PHONE (H):</b>	07 49835084
<b>CONTACT:</b>	Elsie Dillon	<b>PHONE (B):</b>	07 49835084
<b>MOBILE:</b>		<b>EMAIL:</b>	surbitonstation@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Junction Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	Not Available
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	Not Available

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	26942
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	79.2
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS**

No Photo Available

**COMMENTS:**

Mrs Dillon requested that all information be provided to them.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Surbiton	<b>PHONE (H):</b>	07 49835084
<b>CONTACT:</b>	Elsie Dillon	<b>PHONE (B):</b>	07 49835084
<b>MOBILE:</b>		<b>EMAIL:</b>	surbitonstation@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	New 12 Mile Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	459212
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7457566

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	A.F.Ryan	<b>DRILLED DATE:</b>	37600
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	82.5
<b>SCREENED INTERVAL:</b>	78.85-81.85m	<b>LITHOLOGY:</b>	Light grey sandstone clayey. Minor clean bands.

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible - Grundfos
<b>DEPTH TO PUMP:</b>	79.2	<b>BORE YIELD (Gal/Hr):</b>	150
<b>STANDING WATER LEVEL(m):</b>	50.84	<b>BORE YIELD (L/sec)</b>	0.19
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	24hrs/7days	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

TOC 66cm from ground SWL. Reading taken just after pump turned off.

Mrs Dillon requested that all information be provided to them.



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Surbiton	<b>PHONE (H):</b>	07 49835084
<b>CONTACT:</b>	Elsie Dillon	<b>PHONE (B):</b>	07 49835084
<b>MOBILE:</b>		<b>EMAIL:</b>	surbitonstation@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Prairie Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	455716
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7453201

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	Windmill
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS****COMMENTS:**

Blocked at 6.84m  
Mrs Dillon requested that all information is provided to them.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Surbiton	<b>PHONE (H):</b>	07 49835084
<b>CONTACT:</b>	Elsie Dillon	<b>PHONE (B):</b>	07 49835084
<b>MOBILE:</b>		<b>EMAIL:</b>	

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Triangle Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	461483
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7450718

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	26942
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	87.2
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Mono prop pump
<b>DEPTH TO PUMP:</b>	60.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	10hrs/day	<b>USAGE TYPE:</b>	Stock/domestic
<b>WATER QUALITY OBSERVATIONS:</b>	Slightly hard/ low turbidity		

**PHOTOGRAPHS****COMMENTS:**

Mrs Dillon requested that all information is provided to them.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Tresillian	<b>PHONE (H):</b>	07 49853480
<b>CONTACT:</b>	Glen Sparrow	<b>PHONE (B):</b>	07 49853480
<b>MOBILE:</b>		<b>EMAIL:</b>	bellroypastoral@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Tresillian House Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	462360
<b>DERM RN:</b>	Not registered	<b>NORTHING:</b>	7416406

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Shellys Drilling	<b>DRILLED DATE:</b>	32473
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	127
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	91
<b>SCREENED INTERVAL:</b>	54-85 m	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible - Grundfos
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	1000
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	1.26
<b>PUMPING WATER LEVEL (m):</b>	35.24		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	24hrs/day 7 days	<b>USAGE TYPE:</b>	Stock/domestic
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

Bore log available.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Glen Innes	<b>PHONE (H):</b>	07 49853474
<b>CONTACT:</b>	Ian Hoch	<b>PHONE (B):</b>	07 49853474
<b>MOBILE:</b>		<b>EMAIL:</b>	paolaok@gmail.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	New Corella Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	436351
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7404744

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	2002
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

### PHOTOGRAPHS



### COMMENTS:

Drilled in 2002 to replace old bore, collapsed prior to being finished. No depth recorded. Mud on probe tip at 30m.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Glen Innes	<b>PHONE (H):</b>	07 49853474
<b>CONTACT:</b>	Ian Hoch	<b>PHONE (B):</b>	07 49853474
<b>MOBILE:</b>		<b>EMAIL:</b>	paolaok@gmail.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Corella Mine Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	436290
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7404895

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	97
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	30.08	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

### PHOTOGRAPHS



### COMMENTS:

Drilled by mine. Not currently used.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Glen Innes	<b>PHONE (H):</b>	07 49853474
<b>CONTACT:</b>	Ian Hoch	<b>PHONE (B):</b>	07 49853474
<b>MOBILE:</b>		<b>EMAIL:</b>	paolaok@gmail.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Milky Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	433574
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7407244

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	76
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Electric Submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	45.03	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	1day/week	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

Good supply runs most of property. Total Bore depth is depth at which dipping tape went slack. May be pump depth or an obstruction.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Glen Innes	<b>PHONE (H):</b>	07 49853474
<b>CONTACT:</b>	Ian Hoch	<b>PHONE (B):</b>	07 49853474
<b>MOBILE:</b>		<b>EMAIL:</b>	paolaok@gmail.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Allan Ryan Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	438807
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7407474

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Allan Ryan	<b>DRILLED DATE:</b>	2002
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	~35	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Electric Submersible
<b>DEPTH TO PUMP:</b>	30.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	24.56	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	1200L/hr up to 10000L/day	<b>USAGE TYPE:</b>	Stock & Domestic
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Bore near to house.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Glen Innes	<b>PHONE (H):</b>	07 49853474
<b>CONTACT:</b>	Ian Hoch	<b>PHONE (B):</b>	07 49853474
<b>MOBILE:</b>		<b>EMAIL:</b>	paolaok@gmail.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Back Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	437814
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7411893

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	Windmill - not operational
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Old Bore not used. Unable to get level.  
Obstruction at 22m.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Glen Innes	<b>PHONE (H):</b>	07 49853474
<b>CONTACT:</b>	Ian Hoch	<b>PHONE (B):</b>	07 49853474
<b>MOBILE:</b>		<b>EMAIL:</b>	paolaok@gmail.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Reids Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	443722
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7411097

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	48.16m
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	9.42	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Back-up bore, used during drought, 1day/week.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Kia Ora	<b>PHONE (H):</b>	07 49853512 (Glenmyra)
<b>CONTACT:</b>	Kelvin Sypher	<b>PHONE (B):</b>	07 49853519
<b>MOBILE:</b>	0409 888 949	<b>EMAIL:</b>	ksypher@waratahcoal.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	House Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	1	<b>EASTING:</b>	437778
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7414935

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	1997
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	72
<b>SCREENED INTERVAL:</b>	45-50	<b>LITHOLOGY:</b>	Coal & SH/ST

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Electric Submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	720
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	As Required: 12hrs/day, depends on stock numbers.	<b>USAGE TYPE:</b>	Stock & Domestic
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS

### COMMENTS:

Unable to read level, headworks block access. There is a 2nd bore nearby where a level might be dipped.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Kia Ora	<b>PHONE (H):</b>	07 49853512 (Glenmyra)
<b>CONTACT:</b>	Kelvin Sypher	<b>PHONE (B):</b>	07 49853519
<b>MOBILE:</b>	0409 888 949	<b>EMAIL:</b>	ksypher@waratahcoal.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Waekers Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	2	<b>EASTING:</b>	438777
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7412968

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	1997
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	80
<b>SCREENED INTERVAL:</b>	45-50	<b>LITHOLOGY:</b>	Coal & Tuff

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Electric Submersible
<b>DEPTH TO PUMP:</b>	80.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	29.09	<b>BORE YIELD (L/sec)</b>	1027.0
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	6-8hrs/day	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Float switch. Not pumping at time of observation.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Kia Ora	<b>PHONE (H):</b>	07 49853512 (Glenmyra)
<b>CONTACT:</b>	Kelvin Sypher	<b>PHONE (B):</b>	07 49853519
<b>MOBILE:</b>	0409 888 949	<b>EMAIL:</b>	ksypher@waratahcoal.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Sandy Gate Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	3	<b>EASTING:</b>	436822
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7412735

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	1992
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	45
<b>SCREENED INTERVAL:</b>	30-45	<b>LITHOLOGY:</b>	S/ST & M/ST

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Electric Submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	720
<b>STANDING WATER LEVEL(m):</b>	20.14	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	12hrs/month	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Back-up bore only used when needed.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Kia Ora	<b>PHONE (H):</b>	07 49853512 (Glenmyra)
<b>CONTACT:</b>	Kelvin Sypher	<b>PHONE (B):</b>	07 49853519
<b>MOBILE:</b>	0409 888 949	<b>EMAIL:</b>	ksypher@waratahcoal.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Malcolms Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	4	<b>EASTING:</b>	4344671
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7412779

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	Used to have solar submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	29.76	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Back-up bore only used when needed.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Kia Ora	<b>PHONE (H):</b>	07 49853512 (Glenmyra)
<b>CONTACT:</b>	Kelvin Sypher	<b>PHONE (B):</b>	07 49853519
<b>MOBILE:</b>	0409 888 949	<b>EMAIL:</b>	ksypher@waratahcoal.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Kahl's Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	5	<b>EASTING:</b>	443646
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7417807

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	1949
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	46
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Solar submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	19.18		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	11hrs/day	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS

### COMMENTS:





### PROPERTY INFORMATION

<b>PROPERTY:</b>	Kia Ora	<b>PHONE (H):</b>	07 49853512 (Glenmyra)
<b>CONTACT:</b>	Kelvin Sypher	<b>PHONE (B):</b>	07 49853519
<b>MOBILE:</b>	0409 888 949	<b>EMAIL:</b>	ksypher@waratahcoal.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	West of Kahl's	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	6	<b>EASTING:</b>	441979
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7417984

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	3.0	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	~60m
<b>SCREENED INTERVAL:</b>	Not screened	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Solar submersible
<b>DEPTH TO PUMP:</b>	45.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	34.18		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	11hrs/day	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Drilled by Waratah Coal.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Kia Ora	<b>PHONE (H):</b>	07 49853512 (Glenmyra)
<b>CONTACT:</b>	Kelvin Sypher	<b>PHONE (B):</b>	07 49853519
<b>MOBILE:</b>	0409 888 949	<b>EMAIL:</b>	ksypher@waratahcoal.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Lane Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	7	<b>EASTING:</b>	442154
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7415602

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	3.0	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Solar submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	24.59		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	11hrs/day	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Drilled by Waratah Coal.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Kia Ora	<b>PHONE (H):</b>	07 49853512 (Glenmyra)
<b>CONTACT:</b>	Kelvin Sypher	<b>PHONE (B):</b>	07 49853519
<b>MOBILE:</b>	0409 888 949	<b>EMAIL:</b>	ksypher@waratahcoal.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Western Lane Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	8	<b>EASTING:</b>	434113
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7417179

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	3.0	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Solar submersible
<b>DEPTH TO PUMP:</b>	70-80	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	54.2		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	11hrs/day	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

Drilled by Waratah Coal.  
Pumping at time of observation.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Kia Ora	<b>PHONE (H):</b>	07 49853512 (Glenmyra)
<b>CONTACT:</b>	Kelvin Sypher	<b>PHONE (B):</b>	07 49853519
<b>MOBILE:</b>	0409 888 949	<b>EMAIL:</b>	ksypher@waratahcoal.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Railway Tank Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	9	<b>EASTING:</b>	436650
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7416017

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	2004
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	195
<b>SCREENED INTERVAL:</b>	160-195	<b>LITHOLOGY:</b>	Coal & S/ST

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	None
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	46.53 & 53.20	<b>BORE YIELD (L/sec)</b>	2500.0
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

### PHOTOGRAPHS



### COMMENTS:

Two bores side by side depth 1 for single blue casing  
depth 2 for collared casing.  
Not currently used.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Kia Ora	<b>PHONE (H):</b>	07 49853512 (Glenmyra)
<b>CONTACT:</b>	Kelvin Sypher	<b>PHONE (B):</b>	07 49853519
<b>MOBILE:</b>	0409 888 949	<b>EMAIL:</b>	ksypher@waratahcoal.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Bore on Hobartville N/W Boundary	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	10	<b>EASTING:</b>	438117
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7419194

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Coal & S/ST

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	N	<b>PUMP TYPE:</b>	
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	44.46	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Not Available
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

Back-up bore for stock use if required.  
Blue casing on square concrete base.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Surbiton South	<b>PHONE (H):</b>	07 49835448
<b>CONTACT:</b>	Andrew Donaldson	<b>PHONE (B):</b>	07 49835448
<b>MOBILE:</b>		<b>EMAIL:</b>	surbitonsouth@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Mountain Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	Not Available	<b>EASTING:</b>	463410
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7438741

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Electric Submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	8.83	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Pumps into turkeys nest. Difficult to reach end of pipe for sample. Sampling pole required in future to collect sample.



### PROPERTY INFORMATION

<b>PROPERTY:</b>	Surbiton South	<b>PHONE (H):</b>	07 49835448
<b>CONTACT:</b>	Andrew Donaldson	<b>PHONE (B):</b>	07 49835448
<b>MOBILE:</b>		<b>EMAIL:</b>	surbitonsouth@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	House Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	460914
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7439763

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Electric Submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock and Domestic
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Unable to read depth headworks blocks access. Sampling point is from black tanks on top of hill.





### PROPERTY INFORMATION

<b>PROPERTY:</b>	Surbiton South	<b>PHONE (H):</b>	07 49835448
<b>CONTACT:</b>	Andrew Donaldson	<b>PHONE (B):</b>	07 49835448
<b>MOBILE:</b>		<b>EMAIL:</b>	surbitonsouth@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Western Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	457728
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7441026

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Windmill
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	5000
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Unable to read depth. Casing blocks access.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Surbiton South	<b>PHONE (H):</b>	07 49835448
<b>CONTACT:</b>	Andrew Donaldson	<b>PHONE (B):</b>	07 49835448
<b>MOBILE:</b>		<b>EMAIL:</b>	surbitonsouth@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Shed Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	460575
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7439598

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Electric Submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	16.36	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Not currently in use. Lift headworks to get depth to water.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Surbiton South	<b>PHONE (H):</b>	07 49835448
<b>CONTACT:</b>	Andrew Donaldson	<b>PHONE (B):</b>	07 49835448
<b>MOBILE:</b>		<b>EMAIL:</b>	surbitonsouth@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	3 Mile Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	461067
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7445413

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Electric Submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	6.74	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Not pumping at time of observation.  
Submersible under old windmill structure.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Surbiton South	<b>PHONE (H):</b>	07 49835448
<b>CONTACT:</b>	Andrew Donaldson	<b>PHONE (B):</b>	07 49835448
<b>MOBILE:</b>		<b>EMAIL:</b>	surbitonsouth@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	4 Mile Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	465834
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7442114

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Windmill
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	25.5	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

Bore not operational at time of visit. Windmill broken.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Surbiton South	<b>PHONE (H):</b>	07 49835448
<b>CONTACT:</b>	Andrew Donaldson	<b>PHONE (B):</b>	07 49835448
<b>MOBILE:</b>		<b>EMAIL:</b>	

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Companion Ck Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	465089
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7446798

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Electric Submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	19.98	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

### PHOTOGRAPHS



### COMMENTS:

Not pumping at time of observation.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Wendouree	<b>PHONE (H):</b>	07 49853485
<b>CONTACT:</b>	Doug Carruthers	<b>PHONE (B):</b>	07 49853485
<b>MOBILE:</b>		<b>EMAIL:</b>	d.s.carruthers@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	House Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	448510
<b>DERM RN:</b>	33053	<b>NORTHING:</b>	7437437

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	1970
<b>BORE AGE (YRS):</b>	40.0	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	74.7
<b>SCREENED INTERVAL:</b>	38.5m	<b>LITHOLOGY:</b>	Sandstone

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible
<b>DEPTH TO PUMP:</b>	45.0	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	12.30mm	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	3hrs/day	<b>USAGE TYPE:</b>	Stock and Domestic
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Wendouree	<b>PHONE (H):</b>	07 49853485
<b>CONTACT:</b>	Doug Carruthers	<b>PHONE (B):</b>	07 49853485
<b>MOBILE:</b>		<b>EMAIL:</b>	d.s.carruthers@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Bullock Head	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>	B33054	<b>EASTING:</b>	442650
<b>DERM RN:</b>	33054	<b>NORTHING:</b>	7448333

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	1970
<b>BORE AGE (YRS):</b>	40.0	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Steel	<b>BORE DEPTH(m)</b>	159
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Sandstone

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible
<b>DEPTH TO PUMP:</b>	48.0	<b>BORE YIELD (Gal/Hr):</b>	1000
<b>STANDING WATER LEVEL(m):</b>	16.5	<b>BORE YIELD (L/sec)</b>	1.26
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	2-3days / 8weeks	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**



**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Wendouree	<b>PHONE (H):</b>	07 49853485
<b>CONTACT:</b>	Doug Carruthers	<b>PHONE (B):</b>	07 49853485
<b>MOBILE:</b>		<b>EMAIL:</b>	d.s.carruthers@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	New Doolans Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	Not Available
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	Not Available

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	S&K	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Windmill
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	Not Available	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

**PHOTOGRAPHS****COMMENTS:**

Installed by Hancock. Bore log may be available.  
Unable to dip. Casing blocks access.

### PROPERTY INFORMATION

<b>PROPERTY:</b>	Wendouree	<b>PHONE (H):</b>	07 49853485
<b>CONTACT:</b>	Doug Carruthers	<b>PHONE (B):</b>	07 49853485
<b>MOBILE:</b>		<b>EMAIL:</b>	d.s.carruthers@bigpond.com

### BORE LOCATION

<b>LOCAL BORE NAME:</b>	Lagoon Ck Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	Not Available
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	Not Available

### DRILLING CONSTRUCTION INFORMATION

<b>DRILLER NAME:</b>	S& K	<b>DRILLED DATE:</b>	Not Available
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	Not Available
<b>CASING TYPE:</b>	PVC	<b>BORE DEPTH(m)</b>	Not Available
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

### PUMP INFORMATION

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible
<b>DEPTH TO PUMP:</b>	Not Available	<b>BORE YIELD (Gal/Hr):</b>	Not Available
<b>STANDING WATER LEVEL(m):</b>	19.26	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

### WATER USAGE/WATER QUALITY INFORMATION

<b>APPROX USAGE:</b>	Not Available	<b>USAGE TYPE:</b>	Domestic - Hancock Camp
<b>WATER QUALITY OBSERVATIONS:</b>	Not Available		

### PHOTOGRAPHS



### COMMENTS:

Installed by Hancock bore log may be available. Water used by Hancock Camp.

**PROPERTY INFORMATION**

<b>PROPERTY:</b>	Wendouree	<b>PHONE (H):</b>	07 49853485
<b>CONTACT:</b>	Doug Carruthers	<b>PHONE (B):</b>	07 49853485
<b>MOBILE:</b>		<b>EMAIL:</b>	d.s.carruthers@bigpond.com

**BORE LOCATION**

<b>LOCAL BORE NAME:</b>	Mines Bore	<b>REF DATUM:</b>	GDA94
<b>PREVIOUS NAME:</b>		<b>EASTING:</b>	446209
<b>DERM RN:</b>	Not Available	<b>NORTHING:</b>	7442252

**DRILLING CONSTRUCTION INFORMATION**

<b>DRILLER NAME:</b>	Not Available	<b>DRILLED DATE:</b>	1979
<b>BORE AGE (YRS):</b>	Not Available	<b>CASING ID (mm)</b>	150
<b>CASING TYPE:</b>	Not Available	<b>BORE DEPTH(m)</b>	91.4
<b>SCREENED INTERVAL:</b>	Not Available	<b>LITHOLOGY:</b>	Not Available

**PUMP INFORMATION**

<b>PUMP INSTALLED:</b>	Y	<b>PUMP TYPE:</b>	Submersible
<b>DEPTH TO PUMP:</b>	40.0	<b>BORE YIELD (Gal/Hr):</b>	1600
<b>STANDING WATER LEVEL(m):</b>	18.50m	<b>BORE YIELD (L/sec)</b>	Not Available
<b>PUMPING WATER LEVEL (m):</b>	Not Available		

**WATER USAGE/WATER QUALITY INFORMATION**

<b>APPROX USAGE:</b>	48hrs/month	<b>USAGE TYPE:</b>	Stock
<b>WATER QUALITY</b>	Not Available		
<b>OBSERVATIONS:</b>			

**PHOTOGRAPHS****COMMENTS:**

## **Appendix 2: DERM bore data**

PROPERTY_NAME	ORIG_NAME_NO	RN	Strata	Top	Bottom	Formation	Casing type	Top	Bottom	Screen Depth	Elevation	Datum
BURTLE	HOUSE BORE	36830	No Strata Details	0	76.2	Not Listed	Steel				Not Listed	
BURTLE	BURTLE NO.1 BORE	36831	No Strata Details	0	78.03	Not Listed	Steel				Not Listed	
BURTLE	BACK BORE	36832	No Strata Details	0	182.88	Not Listed	Steel				Not Listed	
BURTLE	TULLAMORE BORE	36833	No Strata Details	0	83.8	Not Listed	Steel				Not Listed	
FORRESTER	NO.1 BORE	9290	No Strata Details	0	85.3	Not Listed	Not Listed				Not Listed	
FORRESTER	NO.5 BORE	9294	StrataLogs	0	102.11	Not Listed	Steel/Perforated	0	97.2		Not Listed	
FORRESTER		51690	No Strata Details	0	30.4	Not Listed	Not Listed				Not Listed	
FORRESTER	NO.3 BORE	9292	No Strata Details	0	92.9	Not Listed	Not Listed				Not Listed	
HOBARTVILLE	DISMANTLE BORE	90179	No Strata Details	0	121.92	Not Listed	Steel/Perforated	0	121.9		Not Listed	
HOBARTVILLE	SPRING CREEK BORE	90180	No Strata Details	0	121.92	Not Listed	Steel/Perforated	0	121.9		Not Listed	
HOBARTVILLE	HOUSE BORE	90181	No Strata Details			Not Listed	Not Listed				Not Listed	
HOBARTVILLE	BULLOCK PADDOCK	90182	No Strata Details	0	121.92	Not Listed	Steel/Perforated	0	121.9		Not Listed	
HOBARTVILLE	HOBARTVILLE NO 1	6495	Not Listed			Not Listed	Not Listed				Not Listed	
HOBARTVILLE	SANDY CREEK BORE	51064	Not Listed			Not Listed	Not Listed				Not Listed	
HOBARTVILLE	TPB-4	69730	StrataLogs	0	70	Colinlea Sandstone	Plastic/Gravel/Open	0	70		Not Listed	
HOBARTVILLE	TPB-3	69731	StrataLogs	0	61	Colinlea Sandstone	Plastic/Screen/Gravel	0	61	41-44 55-59	316.52	AHD
HOBARTVILLE	PTB-1	69732	StrataLogs	0	61	Colinlea Sandstone	Plastic/Screen	0	60	42.5-46 58-60	Not Listed	
HOBARTVILLE	HOBARTVILLE NO 2	6496	No Strata Details	0	87.2	Not Listed	Not Listed				Not Listed	
HOBARTVILLE	HOBARTVILLE NO 3	6497	No Strata Details	0	136.6	Not Listed	Not Listed				Not Listed	
HOBARTVILLE	HOBARTVILLE NO 4	6498	No Strata Details	0	176.2	Not Listed	Not Listed				Not Listed	
HOBARTVILLE	HOBARTVILLE NO 5	6499	No Strata Details	0	100.9	Not Listed	Not Listed				Not Listed	
HOBARTVILLE	HOBARTVILLE NO 7	6500	No Strata Details	0	111.3	Not Listed	Not Listed				Not Listed	
HOBARTVILLE	HOBARTVILLE NO 10	6502	No Strata Details	0	72.5	Not Listed	Not Listed				Not Listed	
KIA ORA	WECKERS BORE	14512	StrataLogs	0	42.67	Blackwater Group	Steel/Open	0	42.7		351.25	AHD
KIA ORA	KIA ORA BORE	15405	StrataLogs	0	42.67	Tertiary-Undefined	Steel Open	0	42.7		Not Listed	
KIA ORA	KAHLS BORE	15406	StrataLogs	0	68.58	Blackwater Group	Steel/Open	0	68.6		333	AHD
KIA ORA	MALCOLM BORE	51682	StrataLogs	0	91.44	Not Recorded	Steel/Perforated	0	77.7		374.04	AHD
KIA ORA	T12	12030076	StrataLogs	0	28.3	Tertiary-Undefined	Plastic	0	27.6		399.38	ASD
KIA ORA	T12A	12030077	StrataLogs	0	8.2	Tertiary-Undefined	Plastic	0	5.5		400	ASD
MENTMORE		36662	Not Listed			Not Listed	Not Listed				Not Listed	
MENTMORE		36828	Not Listed			Not Listed	Not Listed				Not Listed	
MENTMORE		36834	No Strata Details			Not Listed	Steel				Not Listed	
MENTMORE		36835	No Strata Details			Not Listed	Steel				Not Listed	
MENTMORE		36836	Not Listed			Not Listed	Steel				Not Listed	
MONKLANDS	OLD BORE	44467	No Strata Details	0	30.5	Not Listed	Steel				Not Listed	
MONKLANDS	NEW BORE	44468	No Strata Details	0	18.6	Not Listed	Steel				Not Listed	
MONKLANDS		44456	No Strata Details	0	87.2	Not Listed	Steel/Perforated	0	87.2		Not Listed	
MONKLANDS		44466	No Strata Details	0	59.4	Not Listed	Steel				Not Listed	
SPRING CREEK	TI TREE BORE	15407	StrataLogs	0	86.56	Aberdare Conglomerate	Steel/Open	0	86.7		378.66	AHD
SPRING CREEK	NO.2 BORE	15408	No Strata Details	0	143.3	Not Listed	Steel				Not Listed	
SPRING CREEK	NAMCO BORE	26005	StrataLogs	0	87.17	Not Listed	Steel/Open	0	87.2		Not Listed	
SURBITON SOUTH		51100	Not Listed			Not Listed	Steel	0	65.8		Not Listed	
SURBITON SOUTH	HOUSE BORE	44450	No Strata Details	0	91.4	Not Listed	Steel/Perforated	0	91.5		Not Listed	
SURBITON SOUTH	WESTERN BORE	44451	No Strata Details	0	72.2	Not Listed	Steel/Perforated	0	72.2		Not Listed	
SURBITON SOUTH	WOOLSHED BORE	44452	No Strata Details	0	46	Not Listed	Steel/Perforated	0	46		Not Listed	
SURBITON SOUTH	3 MILE BORE	44453	No Strata Details	0	73.2	Not Listed	Steel/Perforated	0	73.2		Not Listed	
SURBITON SOUTH	4 MILE BORE	44455	No Strata Details	0	30.5	Not Listed	Steel/Perforated	0	30.5		Not Listed	
SURBITON	12 MILE BORE	44457	No Strata Details	0	79.2	Not Listed	Steel/Perforated	0	79.3		Not Listed	
SURBITON	PRAIRIE BORE	44459	No Strata Details	0	81.7	Not Listed	Steel/Perforated	0	81.7		Not Listed	
TRESSILLIAN		36827	No Strata Details	0	94.6	Not Listed	Steel				Not Listed	
TRESSILLIAN		36826	No Strata Details	0	128.1	Not Listed	Steel				Not Listed	
TRESSILLIAN	TN1	12030051	StrataLogs	0	19.8	Native Companion Alluvium	Plastic	0	13.7		318.13	STD
TRESSILLIAN	TN2	12030052	StrataLogs	0	15.2	Native Companion Alluvium	Plastic	0	10.4		318.42	STD
WENDOUREE		33053	No Strata Details	0	74.7	Not Listed	Steel/Open	0	74.7		Not Listed	
WENDOUREE		33054	No Strata Details	0	158.5	Not Listed	Steel/Open	0	158.5		Not Listed	
WENDOUREE		33055	No Strata Details	0	227.2	Not Listed	Not Listed				Not Listed	
WENDOUREE		33056	No Strata Details	0	103.7	Not Listed	Not Listed				Not Listed	
WENDOUREE		33057	No Strata Details	0	122	Not Listed	Not Listed				Not Listed	
WENDOUREE	PROPOSED BORE!!	69458	Not Listed			Not Listed	Not Listed				Not Listed	

PROPERTY_NAME	ORIG_NAME_NO	RN	Date	EC	Depth	pH	DRILLED_DATE	DRILLER_NAME	DRILLING_COMP	BASIN	METHOD_CONST	SUB_AREA
BURTLE	HOUSE BORE	36830					20/01/1971			1203		
BURTLE	BURTLE NO.1 BORE	36831					20/01/1971			1203		
BURTLE	BACK BORE	36832					21/01/1971			1203		
BURTLE	TULLAMORE BORE	36833					1/05/1971			1203		
FORRESTER	NO.1 BORE	9290	21/11/1994	1187	24	7.9	1/01/1900			1203		
FORRESTER	NO.5 BORE	9294					1/01/1943			1203		
FORRESTER		51690					1/01/1900			1203		
FORRESTER	NO.3 BORE	9292					1/01/1900			1203		
HOBARTVILLE	DISMANTLE BORE	90179								1203	DRILLER UNKNOWN	
HOBARTVILLE	SPRING CREEK BORE	90180								1203		
HOBARTVILLE	HOUSE BORE	90181								1203		
HOBARTVILLE	BULLOCK Paddock	90182								1203		
HOBARTVILLE	HOBARTVILLE NO 1	6495					1/01/1900			1203		
HOBARTVILLE	SANDY CREEK BORE	51064					1/01/1900			1203		
HOBARTVILLE	TPB-4	69730	20/09/1982	1452		7.7	25/08/1982			1203	ROTARY RIG	
HOBARTVILLE	TPB-3	69731	8/09/1982	1793		7.5	22/08/1982			1203	ROTARY RIG	
HOBARTVILLE	PTB-1	69732	26/08/1982	3113		8.2	1/08/1982			1203	ROTARY RIG	
HOBARTVILLE	HOBARTVILLE NO 2	6496					1/01/1939			1203	CABLE TOOL	
HOBARTVILLE	HOBARTVILLE NO 3	6497					1/01/1939			1203	CABLE TOOL	
HOBARTVILLE	HOBARTVILLE NO 4	6498					1/01/1939			1203	CABLE TOOL	
HOBARTVILLE	HOBARTVILLE NO 5	6499					1/01/1939			1203	CABLE TOOL	
HOBARTVILLE	HOBARTVILLE NO 7	6500					1/01/1939			1203	CABLE TOOL	
HOBARTVILLE	HOBARTVILLE NO 10	6502					1/01/1900			1203	CABLE TOOL	
KIA ORA	WECKERS BORE	14512					12/10/1960	FP WEEKER		1203	CABLE TOOL	
KIA ORA	KIA ORA BORE	15405					30/11/1952			1203		
KIA ORA	KAHLS BORE	15406					1/01/1949	KAHL		1203		
KIA ORA	MALCOLM BORE	51682					1/01/1900			1203	ROTARY RIG - E PARROTT	
KIA ORA	T12	12030076	16/12/2009	22800			31/05/1974	G WOODALL	MITCHELL DRILLING CO	1203	ROTARY	
KIA ORA	T12A	12030077	13/12/1983	190		7.4	31/05/1974	G WOODALL	MITCHELL DRILLING CO	1203	ROTARY	
MENTMORE		36662								1203	CABLE TOOL	
MENTMORE		36828								1203		
MENTMORE		36834					22/01/1971			1203		
MENTMORE		36835					22/01/1971			1203	CABLE TOOL	
MENTMORE		36836					22/01/1971			1203		
MONKLANDS	OLD BORE	44467	25/09/1973	3700	30	7.9	1/01/1900			1203		
MONKLANDS	NEW BORE	44468	25/09/1992	1100	18	7.8	1/01/1900			1203		
MONKLANDS		44456	24/04/1974	1330	87	8.2	1/01/1900			1203		
MONKLANDS		44466					1/01/1900			1203		
SPRING CREEK	TI TREE BORE	15407					20/10/1948			1203		
SPRING CREEK	NO.2 BORE	15408					19/10/1962			1203		
SPRING CREEK	NAMCO BORE	26005					1/01/1963			1203	CABLE TOOL	68
SURBITON SOUTH		51100					1/11/1975			1203		
SURBITON SOUTH	HOUSE BORE	44450					5/10/1973			1203		
SURBITON SOUTH	WESTERN BORE	44451					5/10/1973			1203		
SURBITON SOUTH	WOOLSHED BORE	44452					5/10/1973			1203		
SURBITON SOUTH	3 MILE BORE	44453					5/10/1973			1203		
SURBITON SOUTH	4 MILE BORE	44455					5/10/1973			1203		
SURBITON	12 MILE BORE	44457	24/04/1974	930	79	8	5/10/1973			1203		
SURBITON	PRAIRIE BORE	44459					5/10/1973			1203		
TRESSILLIAN		36827					1/06/1971			1203	CABLE TOOL	
TRESSILLIAN		36826	2/09/1991	10500	106	7.2	1/06/1971			1203		
TRESSILLIAN	TN1	12030051					1/06/1974	G WOODALL	MITCHELL DRILLING CO	1203	ROTARY	
TRESSILLIAN	TN2	12030052	7/11/1978	790		7.4	1/06/1974	G WOODALL	MITCHELL DRILLING CO	1203	ROTARY	
WENDOUREE		33053					1/01/1900			1203	CABLE TOOL	
WENDOUREE		33054					1/01/1900			1203	CABLE TOOL	
WENDOUREE		33055					1/01/1900			1203		
WENDOUREE		33056					1/01/1900			1203		
WENDOUREE		33057	29/05/1984	4700		7.7	1/01/1900			1203		
WENDOUREE	PROPOSED BORE!!	69458								1203		

PROPERTY_NAME	ORIG_NAME_NO	RN	LOT	PLAN	DESCRIPTION	LAT	LNG	EASTING	NORTHING	ZONE	GIS_LAT	GIS_LNG	CHECKED
BURTLE	HOUSE BORE	36830	1	BF58	P1	23-14-14	146-38-54	464027	7430164	55	-23.23732782	146.6483643	Y
BURTLE	BURTLE NO.1 BORE	36831	1	BF58	P1	23-13-21	146-38-52	463959	7431804	55	-23.22250738	146.6477369	Y
BURTLE	BACK BORE	36832	1	BF58	P1	23/12/1936	146-36-05	459214	7433167	55	-23.21008759	146.6014006	Y
BURTLE	TULLAMORE BORE	36833	6	BF46	P6	23-18-45	146-35-49	458798	7421830	55	-23.31248264	146.5970267	Y
FORRESTER	NO.1 BORE	9290			L1788 PH886	22-57-37	146-27-05	443775	7460772	55	-22.96027616	146.4515344	Y
FORRESTER	NO.5 BORE	9294	1	BF74	L1788 PH886	22-56-27	146-23-25	437480	7462874	55	-22.94106753	146.3902136	Y
FORRESTER		51690	1788	PH886	L1788 PH886	23/01/1952	146-29-39	448174	7452944	55	-23.03113355	146.4941816	Y
FORRESTER	NO.3 BORE	9292	1788	PH886	L1788 PH886	23/02/1944	146-27-08	443870	7451311	55	-23.04574057	146.452115	Y
HOBARTVILLE	DISMANTLE BORE	90179	649	PH1981	L2 BF35	23-13-53	146-23-04	437013	7430715	55	-23.23153735	146.3843425	Y
HOBARTVILLE	SPRING CREEK BORE	90180	649	PH1981	HOBARTVILLE HOLDING	23-18-40	146-27-49	445169	7421926	55	-23.31121981	146.4637421	Y
HOBARTVILLE	HOUSE BORE	90181	649	PH1981	HOBARTVILLE HOLDING	23-18-16	146-30-09	449142	7422691	55	-23.30443894	146.5026167	Y
HOBARTVILLE	BULLOCK PADDOCK	90182	649	PH1981	HOBARTVILLE HOLDING	23-13-57	146-31-21	451157	7430657	55	-23.23253964	146.5225825	Y
HOBARTVILLE	HOBARTVILLE NO 1	6495	649	PH1981	GREENTREE HOLDING	23-17-36	146-23-37	437998	7423863	55	-23.29346939	146.393691	Y
HOBARTVILLE	SANDY CREEK BORE	51064	649	PH1981	L2	23/10/2012	146-25-39	441410	7437525	55	-23.17018925	146.4275771	Y
HOBARTVILLE	TPB-4	69730	649	PH1981	L649 PH1981	23/12/2014	146-28-34	446387	7433792	55	-23.20407622	146.4760707	Y
HOBARTVILLE	TPB-3	69731	649	PH1981	L649 PH1981	23/12/1958	146-27-52	445196	7432429	55	-23.2163459	146.4643856	Y
HOBARTVILLE	PTB-1	69732	649	PH1981	L649 PH1981	23-19-38	146-28-28	446285	7420153	55	-23.32726704	146.4745909	Y
HOBARTVILLE	HOBARTVILLE NO 2	6496	649	PH1981	GREENTREE HOLDING	23-17-02	146-17-38	427776	7424851	55	-23.28412179	146.2937829	Y
HOBARTVILLE	HOBARTVILLE NO 3	6497	649	PH1981	GREENTREE HOLDING	23-14-14	146-23-06	437076	7430068	55	-23.23737995	146.3849267	Y
HOBARTVILLE	HOBARTVILLE NO 4	6498	649	PH1981	GREENTREE HOLDING	23-13-38	146-20-28	432588	7431148	55	-23.22744777	146.3411073	Y
HOBARTVILLE	HOBARTVILLE NO 5	6499	649	PH1981	GREENTREE HOLDING	23/12/1958	146-19-08	430311	7432367	55	-23.21634692	146.3189055	Y
HOBARTVILLE	HOBARTVILLE NO 7	6500	649	PH1981	GREENTREE HOLDING	23/09/1939	146-16-34	425917	7438490	55	-23.16084203	146.2762542	Y
HOBARTVILLE	HOBARTVILLE NO 10	6502	649	PH1981	GREENTREE HOLDING	23/11/2015	146-22-17	435677	7435560	55	-23.18771754	146.3714884	Y
KIA ORA	WECKERS BORE	14512	1	BF72	P1	23-23-36	146-24-45	439974	7412792	55	-23.3935378	146.4125713	Y
KIA ORA	KIA ORA BORE	15405	1	BF72	P1	23-20-38	146-22-41	436422	7418274	55	-23.3438837	146.3780416	Y
KIA ORA	KAHLS BORE	15406	1	BF72	P1	23-21-15	146-26-57	443690	7417151	55	-23.35429922	146.4490979	Y
KIA ORA	MALCOLM BORE	51682	1	BF72	P1	23-23-21	146-21-02	433644	7413239	55	-23.38925774	146.3506468	Y
KIA ORA	T12	12030076				23-22-46	146-28-09	445752	7414375	55	-23.3794455	146.4691657	Y
KIA ORA	T12A	12030077				23-23-05	146-27-53	445299	7413783	55	-23.4647777	146.4647116	Y
MENTMORE		36662	1	BF19	P1	23-24-58	146-38-53	464034	7410373	55	-23.4160945	146.647963	Y
MENTMORE		36828	1	BF19	P1	23-24-15	146-38-57	464170	7411679	55	-23.40430594	146.6493231	Y
MENTMORE		36834	4	BF50	L4 BF40	23-24-18	146-36-13	459514	7411591	55	-23.40498623	146.6037566	Y
MENTMORE		36835	4	BF50	L4 BF50	23-23-59	146-34-04	455829	7412158	55	-23.39977228	146.5677112	Y
MENTMORE		36836	4	BF50	L4 BF50	23-24-29	146-36-18	459631	7411240	55	-23.40816007	146.6048901	Y
MONKLANDS	OLD BORE	44467	3	BF802451	L3 BF802451	23-27-56	146-27-42	445036	7404829	55	-23.46563997	146.4618107	Y
MONKLANDS	NEW BORE	44468	3	BF802451	L3 BF802451	23-26-35	146-29-43	448435	7407327	55	-23.44319159	146.4951853	Y
MONKLANDS		44456	2	BF22	L2 BF22	23-21-54	146-30-14	449295	7415986	55	-23.36500022	146.5038883	Y
MONKLANDS		44466	2	BF22	L2 BF22	23-21-54	146-30-14	449295	7415986	55	-23.36500022	146.5038883	Y
SPRING CREEK	TI TREE BORE	15407	11	BF25	P11	23-23-36	146-20-32	432801	7412761	55	-23.39353829	146.3423712	Y
SPRING CREEK	NO.2 BORE	15408	11	BF25	P11	23-20-58	146-20-08	432078	7417623	55	-23.34959139	146.335522	Y
SPRING CREEK	NAMCO BORE	26005	11	BF25	P11	23-21-31	146-20-30	432725	7416615	55	-23.35872323	146.3418002	Y
SURBITON SOUTH		51100	1	BF27	1	23/04/1942	146-39-55	465713	7447764	55	-23.07837583	146.6652448	Y
SURBITON SOUTH	HOUSE BORE	44450	3533	PH56	SURBITON STH HLD	23/09/2013	146-37-54	462303	7439420	55	-23.15367428	146.6317414	Y
SURBITON SOUTH	WESTERN BORE	44451	3533	PH56	SURBITON STH HLD	23/08/1941	146-37-26	461505	7440410	55	-23.1447175	146.6239789	Y
SURBITON SOUTH	WOOLSHED BORE	44452	3533	PH56	SURBITON STH HLD	23/09/1938	146-37-02	460807	7438656	55	-23.16054131	146.6171121	Y
SURBITON SOUTH	3 MILE BORE	44453	3533	PH56	SURBITON STH HLD	23/06/2011	146-37-19	461280	7445004	55	-23.10321764	146.6218887	Y
SURBITON SOUTH	4 MILE BORE	44455	3533	PH56	SURBITON STH HLD	23/08/2027	146-39-51	465622	7440823	55	-23.14107511	146.6641961	Y
SURBITON	12 MILE BORE	44457	681	PH406	SURBITON HLD	22-59-41	146-35-19	457831	7456987	55	-22.99488825	146.5885427	Y
SURBITON	PRAIRIE BORE	44459	3533	PH56	SURBITON HLD	23/09/1956	146-38-52	463941	7438111	55	-23.16554196	146.6477143	Y
TRESSILLIAN		36827	3	CP860083	P3	23-20-24	146-33-39	455114	7418756	55	-23.34014927	146.5609097	Y
TRESSILLIAN		36826	3	CP860083	P3	23-20-35	146-37-20	461387	7418452	55	-23.34306135	146.6222627	Y
TRESSILLIAN	TN1	12030051			W BDY P2	23-22-06	146-38-02	462583	7415657	55	-23.36844475	146.6339088	N
TRESSILLIAN	TN2	12030052			W BDY P2	23-21-53	146-37-55	462383	7416057	55	-23.36483365	146.6319643	N
WENDOUREE		33053	4994	PH2232	L4994 PH2232	23/09/1949	146-29-24	447806	7438260	55	-23.16376192	146.4900925	Y
WENDOUREE		33054	4994	PH2232	L4994 PH2232	23/04/2002	146-26-38	443041	7448915	55	-23.06735843	146.4439355	Y
WENDOUREE		33055	4994	PH2232		23/03/2018	146-18-55	429869	7450217	55	-23.05508985	146.3153988	Y
WENDOUREE		33056	4994	PH2232	L4994 PH2232	23/08/2027	146-17-19	427162	7440696	55	-23.14097694	146.2885235	Y
WENDOUREE		33057	4994	PH2232	L4994 PH2232	23/09/1930	146-30-29	449658	7438848	55	-23.1585034	146.5082044	Y
WENDOUREE	PROPOSED BORE!!	69458	4994	PH2232	L4994 PH2232	23/04/1938	146-29-28	447892	7447833	55	-23.07729055	146.4912606	Y



## **Appendix 3: Water Quality Data**



# Hancock Landholder Bores: Water Quality. June 2011

URS Australia

Sample date:			20/06/2011	20/06/2011	21/06/2011	21/06/2011	21/06/2011	21/06/2011	21/06/2011	21/06/2011	21/06/2011	22/06/2011	22/06/2011	22/06/2011	22/06/2011	22/06/2011
Sample ID:			Forrester House	Forrester Turkeys Nest	South House Bore	South Mountain	Wendouree House Bore	Wendouree Mines Bore	Burtle House Bore	Kia Ora House Bore	Kia Ora West of Kahls	Cavendish House Bore	Cavendish Bottom Bore	Spring Creek Old Yard Bore		
Units	LOR															
EA010P: Conductivity by PC Titrator																
Electrical Conductivity @ 25°C		µS/cm	1	1200	799	1050	1670	2060	1220	1750	2290	3940	1330	1160	436	
EA015: Total Dissolved Solids																
Total Dissolved Solids @180°C	GIS-210-010	mg/L	5	626	419	608	945	1020	593	841	1130	1980	739	636	313	
ED037P: Alkalinity by PC Titrator																
Hydroxide Alkalinity as CaCO3	DMO-210-001	mg/L	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbonate Alkalinity as CaCO3	3812-32-6	mg/L	1	6	2	<1	<1	<1	<1	6	<1	<1	<1	<1	<1	<1
Bicarbonate Alkalinity as CaCO3	71-52-3	mg/L	1	192	168	404	678	101	141	64	95	107	14	298	111	
Total Alkalinity as CaCO3		mg/L	1	198	170	404	678	101	141	70	95	107	14	298	111	
ED040F: Dissolved Major Anions																
Sulfate as SO4 2-	14808-79-8	mg/L	1	<1	<1	11	6	5	<1	8	35	68	4	17	6	
ED045G: Chloride Discrete analyser																
Chloride	16887-00-6	mg/L	1	265	146	80	130	587	304	506	654	1120	412	181	60	
ED093F: Dissolved Major Cations																
Calcium	7440-70-2	mg/L	1	4	4	68	91	33	8	3	25	35	5	7	7	
Magnesium	7439-95-4	mg/L	1	4	2	63	93	5	3	<1	3	17	21	4	5	
Sodium	7440-23-5	mg/L	1	247	165	43	112	376	226	356	451	806	224	239	74	
Potassium	7440-09-7	mg/L	1	4	2	3	2	5	5	2	3	5	4	6	4	
EK055G: Ammonia as N by Discrete Analyser																
Ammonia as N	7664-41-7	mg/L	0.01	0.17	0.22	0.02	0.03	0.24	1.75	0.06	0.70	0.47	0.03	0.04	0.03	
EK057G: Nitrite as N by Discrete Analyser																
Nitrite as N		mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	
EK058G: Nitrate as N by Discrete Analyser																
Nitrate as N	14797-55-8	mg/L	0.01	0.03	0.01	6.35	13.1	0.01	0.39	<0.01	<0.01	<0.01	1.10	0.26	0.01	
EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser																
Nitrite + Nitrate as N		mg/L	0.01	0.03	0.01	6.35	13.1	0.01	0.39	<0.01	<0.01	<0.01	1.10	0.28	0.01	
EK061G: Total Kjeldahl Nitrogen By Discrete Analyser																
Total Kjeldahl Nitrogen as N		mg/L	0.1	0.1	0.2	0.8	0.4	0.4	2.4	0.1	0.8	0.5	0.3	0.1	0.2	
EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser																
Total Nitrogen as N		mg/L	0.1	0.1	0.2	7.2	13.5	0.4	2.8	0.1	0.8	0.5	1.4	0.4	0.2	
EK067G: Total Phosphorus as P by Discrete Analyser																
Total Phosphorus as P		mg/L	0.01	0.20	0.17	0.12	0.13	0.17	0.22	0.15	0.14	0.15	0.16	0.14	0.18	
EN055: Ionic Balance																
Total Anions		meq/L	0.01	11.4	7.52	10.6	17.3	18.7	11.4	15.8	21.1	35.2	12.0	11.4	4.04	
Total Cations		meq/L	0.01	11.4	7.59	10.5	17.1	18.5	10.6	15.7	21.2	38.3	11.8	11.2	4.08	
Ionic Balance		%	0.01	0.28	0.47	0.16	0.66	0.39	3.61	0.51	0.25	4.32	0.69	0.86	0.54	



# Hancock Landholder Bores: Water Quality. June 2011

URS Australia

Sample date:		20/06/2011	20/06/2011	21/06/2011	21/06/2011	21/06/2011	21/06/2011	21/06/2011	21/06/2011	21/06/2011	22/06/2011	22/06/2011	22/06/2011	22/06/2011	22/06/2011
Sample ID:		Forrester House	Forrester Turkeys Nest	South House Bore	South Mountain	Wendouree House Bore	Wendouree Mines Bore	Burtle House Bore	Kia Ora House Bore	Kia Ora West of Kahls	Cavendish House Bore	Cavendish Bottom Bore	Spring Creek Old Yard Bore		
EG020F: Dissolved Metals by ICP-MS															
Aluminium	7429-90-5	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dysprosium	7429-91-6	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver	7440-22-4	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Arsenic	7440-38-2	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
Bismuth	7440-69-9	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Erbium	7440-52-0	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron	7440-42-8	mg/L	0.05	0.49	0.27	0.06	0.10	0.17	0.22	0.47	0.06	0.10	0.09	0.35	0.11
Europium	7440-53-1	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Strontium	7440-24-6	mg/L	0.001	0.111	0.075	0.793	1.53	0.763	0.276	0.054	1.12	1.03	0.205	0.238	0.179
Barium	7440-39-3	mg/L	0.001	0.030	0.076	0.008	0.311	0.369	0.215	0.018	0.228	0.074	0.641	0.104	0.153
Gadolinium	7440-54-2	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Titanium	7440-32-6	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Beryllium	7440-41-7	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Gallium	7440-55-3	mg/L	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Hafnium	7440-58-6	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Tellurium	22541-49-7	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Cobalt	7440-48-4	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.005	<0.001	0.002	<0.001
Holmium	7440-60-0	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium	7440-61-1	mg/L	0.001	<0.001	<0.001	<0.001	0.011	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Caesium	7440-46-2	mg/L	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	<0.001	<0.001	<0.001
Chromium	7440-47-3	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Indium	7440-74-6	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Copper	7440-50-8	mg/L	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.001	<0.001	0.002	<0.001
Lanthanum	7439-91-0	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Rubidium	7440-17-7	mg/L	0.001	0.005	0.012	0.010	0.005	0.025	0.027	0.002	0.009	0.014	0.016	0.012	0.005
Lithium	7439-93-2	mg/L	0.001	0.009	0.008	0.008	0.003	0.014	0.025	0.041	0.054	0.060	0.002	0.009	0.006
Lutetium	7439-94-3	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thorium	7440-29-1	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Cerium	7440-45-1	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese	7782-49-2	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Terbium	7440-27-9	mg/L	0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	0.001	0.002	<0.001	0.002	<0.001
Lead	7439-92-1	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Ytterbium	7440-64-4	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Tin	7440-31-5	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Yttrium	7440-65-5	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thallium	7440-28-0	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Zirconium	7440-67-7	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Vanadium	7440-62-2	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Antimony	7440-36-0	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Thulium	7440-30-4	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium	7782-49-2	mg/L	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Vanadium	7440-62-2	mg/L	0.01	<0.01	<0.01	0.02	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	7440-66-6	mg/L	0.005	0.024	<0.005	0.006	0.066	0.013	0.006	<0.005	<0.005	<0.005	0.012	0.007	0.032
Iron	7439-89-6	mg/L	0.05	0.07	0.11	<0.05	<0.05	2.23	1.09	<0.05	<0.05	0.18	<0.05	<0.05	0.40



# Hancock Landholder Bores: Water Quality. June 2011

URS Australia

Sample date:				20/06/2011	21/06/2011	23/06/2011	24/06/2011	23/06/2011	24/06/2011	23/06/2011	24/06/2011	23/06/2011	24/06/2011	23/06/2011	24/06/2011
Sample ID:				Hobartville House Bore	Hobartville Bullock Bore	Glen Innes Allan Ryan	Mentmore House Bore	Deadhorse Bore	Surbiton Triangle Bore	Shanghai Bore	Surbiton New 12 Mile Bore	Tresillian House Bore	Glen Innes Milky Bore	Gadwell House	Gadwell Back Bore
Analyte grouping/Analyte	CAS Number	Units	LOR												
<b>EA010P: Conductivity by PC Titrator</b>															
Electrical Conductivity @ 25°C		µS/cm	1	3100	661	2290	2450	1250	949	1780	906	1450	1250	1170	1780
<b>EA015: Total Dissolved Solids</b>															
Total Dissolved Solids @180°C	GIS-210-010	mg/L	5	1570	384	1230	1260	695	539	953	469	906	690	657	994
<b>ED037P: Alkalinity by PC Titrator</b>															
Hydroxide Alkalinity as CaCO3	DMO-210-001	mg/L	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbonate Alkalinity as CaCO3	3812-32-6	mg/L	1	<1	<1	<1	<1	<1	<1	<1	<1	3	9	<1	<1
Bicarbonate Alkalinity as CaCO3	71-52-3	mg/L	1	122	70	108	358	59	41	118	103	36	370	252	44
Total Alkalinity as CaCO3		mg/L	1	122	70	108	358	59	41	118	103	40	379	252	44
<b>ED040F: Dissolved Major Anions</b>															
Sulfate as SO4 2-	14808-79-8	mg/L	1	58	15	73	40	18	21	34	<1	56	2	26	25
<b>ED045G: Chloride Discrete analyser</b>															
Chloride	16887-00-6	mg/L	1	875	150	608	556	349	262	477	220	391	176	207	518
<b>ED093F: Dissolved Major Cations</b>															
Calcium	7440-70-2	mg/L	1	30	5	10	50	5	7	24	3	6	8	16	22
Magnesium	7439-95-4	mg/L	1	19	9	18	45	6	6	21	1	<1	3	9	18
Sodium	7440-23-5	mg/L	1	595	110	427	386	228	174	289	184	281	261	217	294
Potassium	7440-09-7	mg/L	1	7	5	8	8	5	2	11	1	1	5	5	9
<b>EK055G: Ammonia as N by Discrete Analyser</b>															
Ammonia as N	7664-41-7	mg/L	0.01	0.02	0.02	0.05	0.02	<0.01	<0.01	<0.01	0.04	0.12	<0.01	<0.01	<0.01
<b>EK057G: Nitrite as N by Discrete Analyser</b>															
Nitrite as N		mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<b>EK058G: Nitrate as N by Discrete Analyser</b>															
Nitrate as N	14797-55-8	mg/L	0.01	0.15	2.10	0.47	0.86	0.41	0.60	0.29	0.04	0.05	0.19	0.04	0.34
<b>EK059G: Nitrite plus Nitrate as N (NOx) by Discrete Analyser</b>															
Nitrite + Nitrate as N		mg/L	0.01	0.15	2.10	0.47	0.86	0.41	0.60	0.29	0.04	0.05	0.19	0.04	0.34
<b>EK061G: Total Kjeldahl Nitrogen By Discrete Analyser</b>															
Total Kjeldahl Nitrogen as N		mg/L	0.1	0.1	0.5	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	<0.1	0.2
<b>EK062G: Total Nitrogen as N (TKN + NOx) by Discrete Analyser</b>															
Total Nitrogen as N		mg/L	0.1	0.2	2.6	0.7	1.2	0.6	0.8	0.5	0.2	0.2	0.4	<0.1	0.5
<b>EK067G: Total Phosphorus as P by Discrete Analyser</b>															
Total Phosphorus as P		mg/L	0.01	0.17	0.10	0.16	0.18	0.11	0.13	0.20	0.17	0.14	0.22	0.11	0.15
<b>EN055: Ionic Balance</b>															
Total Anions		meq/L	0.01	28.3	5.94	20.8	23.7	11.4	8.65	16.5	8.26	13.0	12.6	11.4	16.0
Total Cations		meq/L	0.01	29.1	5.90	20.8	23.2	10.8	8.46	15.8	8.26	12.6	12.1	11.1	15.6
Ionic Balance		%	0.01	1.36	0.36	0.19	1.04	2.77	1.10	2.32	0.05	1.77	1.88	1.41	1.32



# Hancock Landholder Bores: Water Quality. June 2011

URS Australia

Sample date:			20/06/2011	21/06/2011	23/06/2011	24/06/2011	23/06/2011	24/06/2011	23/06/2011	24/06/2011	23/06/2011	23/06/2011	24/06/2011	24/06/2011
Sample ID:			Hobartville House Bore	Hobartville Bullock Bore	Glen Innes Allan Ryan	Mentmore House Bore	Deadhorse Bore	Surbiton Triangle Bore	Shanghai Bore	Surbiton New 12 Mile Bore	Tresillian House Bore	Glen Innes Milky Bore	Gadwell House	Gadwell Back Bore
/L	0.01		<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.05		0.16	0.14	0.24	0.46	0.22	0.16	0.25	0.33	0.34	0.45	0.36	0.23
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		0.609	0.083	0.280	0.965	0.137	0.135	0.445	0.048	0.074	0.322	0.270	0.445
/L	0.001		0.127	0.101	0.061	0.174	0.167	0.113	0.120	0.027	0.018	0.103	0.147	0.205
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.01		<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.0001		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
/L	0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	0.010	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	0.006	<0.001	0.001	<0.001	0.008	0.002	<0.001	<0.001	0.007	<0.001	0.031
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		0.008	0.008	0.009	0.003	0.004	0.003	0.014	0.003	0.002	0.012	0.002	0.006
/L	0.001		0.030	0.007	0.004	0.006	<0.001	0.003	0.012	0.006	0.094	0.022	0.010	0.005
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
/L	0.001		<0.001	<										