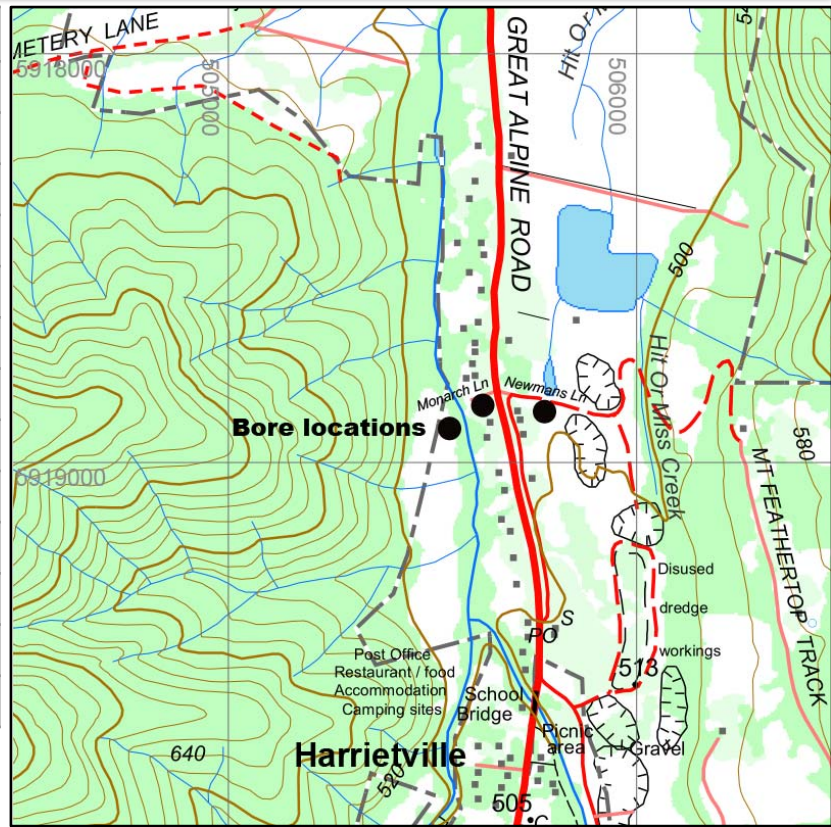




Borehole Infrastructure Report

Site Data	
Site Code	WRK 068303
Site Name	Harrietville
Region	Ovens River, VIC
Easting	GDA94 Zone 55 505611
Northing	5918153
Elevation (m AHD)	503.02
Bore Depth (m)	12
Screen Length (m)	2
Screen Top (m)	9
Screen Bottom (m)	11
Bore Top	Gatic
Top of Pipe(m)	0
Date Completed	12 th April 2012



Construction details	
Borehole Type	Monitoring Bore
Installed by	Monash University
Drilled by	Alpine Drilling Pty Ltd
Drilling Method	Advanced Casing
Screen Type	Slotted PVC
Casing size / Type	80mm Class A PVC
Development Details	



Description and Comments: Nested bores on side of the Monarch lane. The borehole is finished in the alluvial deposits of the Ovens Valley.

Continuous Data: Continuous water depth and EC data are available for this site, measured with InSitu Aquatroll 200 at 30 minute intervals.

Infrastructure Report by:	Contact Details:	Checked by: Prof Ian Cartwright
Dr Harald Hofmann		Ian.Cartwright@monash.edu

Groundwater Chemistry

Field Data

Date of Sampling	29.05.2012
Depth Below Natural Surface (m)	2.36
Reduced Water Level (m)	498.25
EC ($\mu\text{S}/\text{cm}$)	63.3
pH	5.97
DO (mg/l)	2

Stratigraphy:

0- 12 m Gravels

Anions

HCO ₃ (mg/L)	28.55
F (mg/L)	0.05
Cl (mg/L)	1.36
Br (mg/L)	0.00
NO ₃ (mg/L)	1.23
SO ₄ (mg/L)	0.99

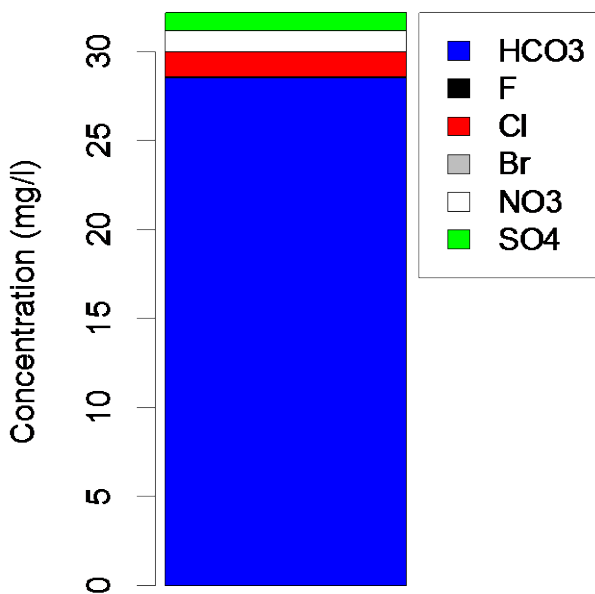
Cations

Li ($\mu\text{g}/\text{L}$)	0.78
Na (mg/L)	5.44
Mg (mg/L)	2.24
K (mg/L)	0.60
Ca (mg/L)	3.53
Mn ($\mu\text{g}/\text{L}$)	238.00
Fe ($\mu\text{g}/\text{L}$)	36.94
Sr ($\mu\text{g}/\text{L}$)	29.51
Ba ($\mu\text{g}/\text{L}$)	6.98

Isotopes

Radon (Bq/m ³)	44896
$\delta^{18}\text{O}$ (‰)	-6.9
$\delta^2\text{H}$ (‰)	-38
$\delta^{13}\text{C}$ (‰)	-20.7
¹⁴ C pMC	92.79
Tritium (TU)	1.930

Anions



Cations

