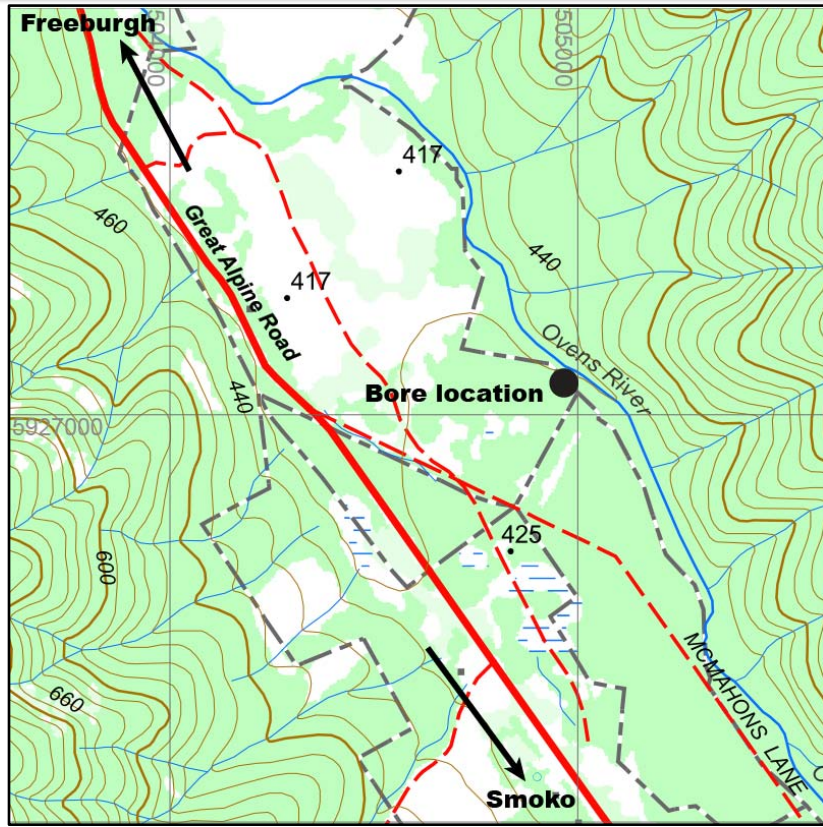




Borehole Infrastructure Report

An Australian Government Initiative

Site Data	
Site Code	WRK 068294
Site Name	Smoko
Region	Ovens River, VIC
Easting	GDA94 Zone 55 505020
Northing	5927034
Elevation (m AHD)	408.73
Bore Depth (m)	12
Screen Length (m)	2
Screen Top (m)	9
Screen Bottom (m)	11
Bore Top	Monument
Top of Pipe (m)	0.665
Date Completed	8 th March 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 at the end of a track coming off McMahon's 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	30.05.2012
Depth Below Natural Surface (m)	3.183
Reduced Water Level (m)	405.55
EC ($\mu\text{S}/\text{cm}$)	77.6
pH	6.23
DO (mg/l)	2

Stratigraphy:

0- 12 m Gravels

Anions

HCO ₃ (mg/L)	24.278
F (mg/L)	0.07
Cl (mg/L)	2.11
Br (mg/L)	0.01
NO ₃ (mg/L)	0.17
SO ₄ (mg/L)	0.63

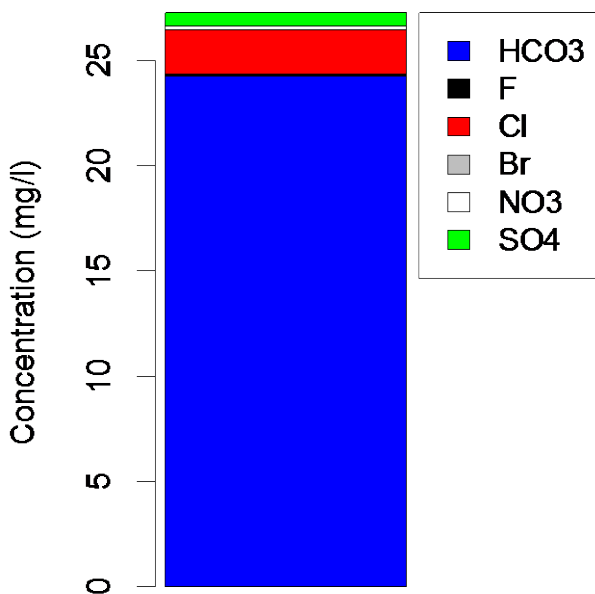
Cations

Li ($\mu\text{g}/\text{L}$)	1.397
Na (mg/L)	3.979
Mg (mg/L)	2.67
K (mg/L)	0.581
Ca (mg/L)	6.269
Mn ($\mu\text{g}/\text{L}$)	202.2
Fe ($\mu\text{g}/\text{L}$)	31.59
Sr ($\mu\text{g}/\text{L}$)	33.57
Ba ($\mu\text{g}/\text{L}$)	8.805

Isotopes

Radon (Bq/m ³)	2587.5
$\delta^{18}\text{O}$ (‰)	-6.7
$\delta^2\text{H}$ (‰)	-39
$\delta^{13}\text{C}$ (‰)	-22.4
¹⁴ C pMC	104.60
Tritium (TU)	2.418

Anions



Cations

