

Site 8: Ostrich Farm Rd #2

Site I.D. No: 7418023

Kaawa Sand Aquifer

NZMS 260 Ref: R12 :764 468

Lat / Long: 37° 10' 2.6" S, 174° 52' 11.3" E

Casing depth: 46.00 metres

Bore Depth: 47.60 metres

Casing diameter: 0.080 m

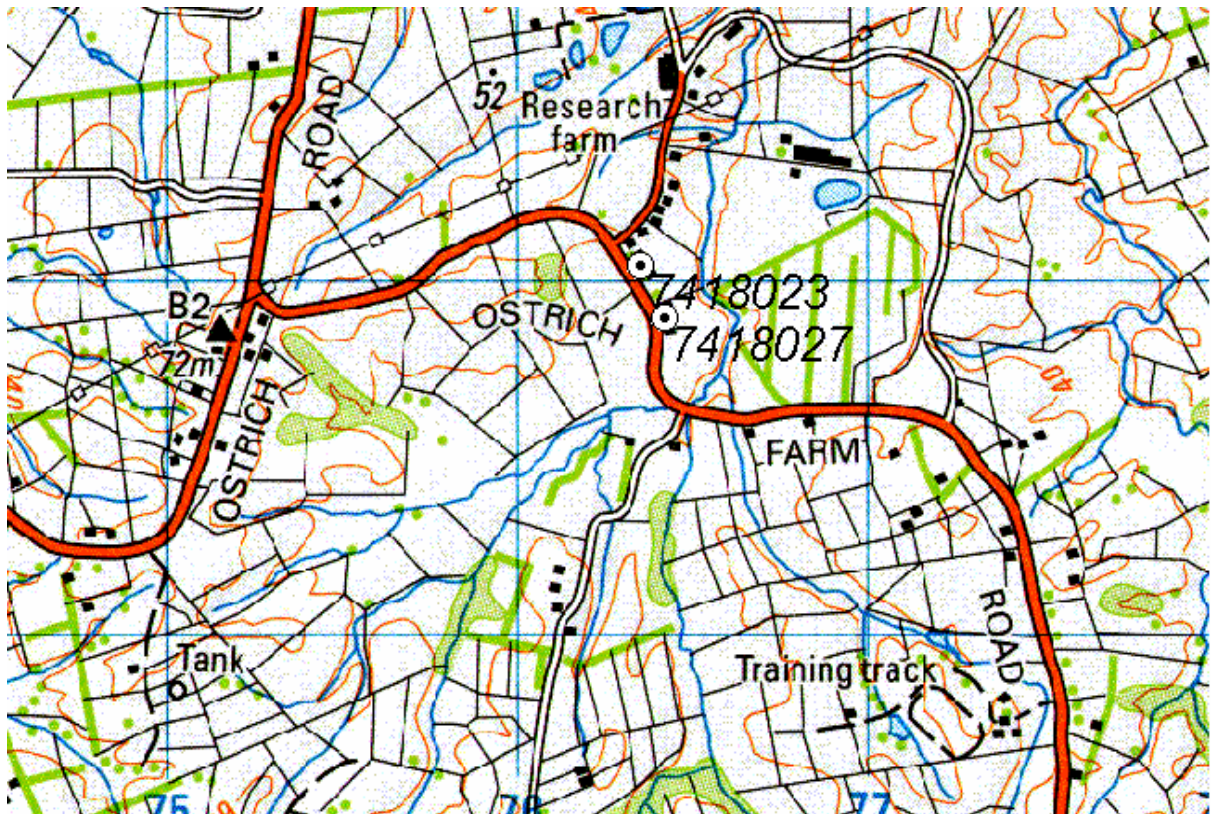
Elevation: 24.43 metres

TOC = xxx m above ground level

ARC shed in foreground – useful for writing up field notes, etc. No mains power on site.

Average Pumping Time: 45 minutes





Site 9: Ostrich Farm Rd #1

Site I.D. No: 7418027

Kaawa Shellbed Aquifer

Lat / Long: 37° 10' 5.8" S, 174° 52' 11.4" E

Bore Depth: 84.00 metres

Elevation: 23.11 metres

NZMS 260 Ref: R12: 764 467

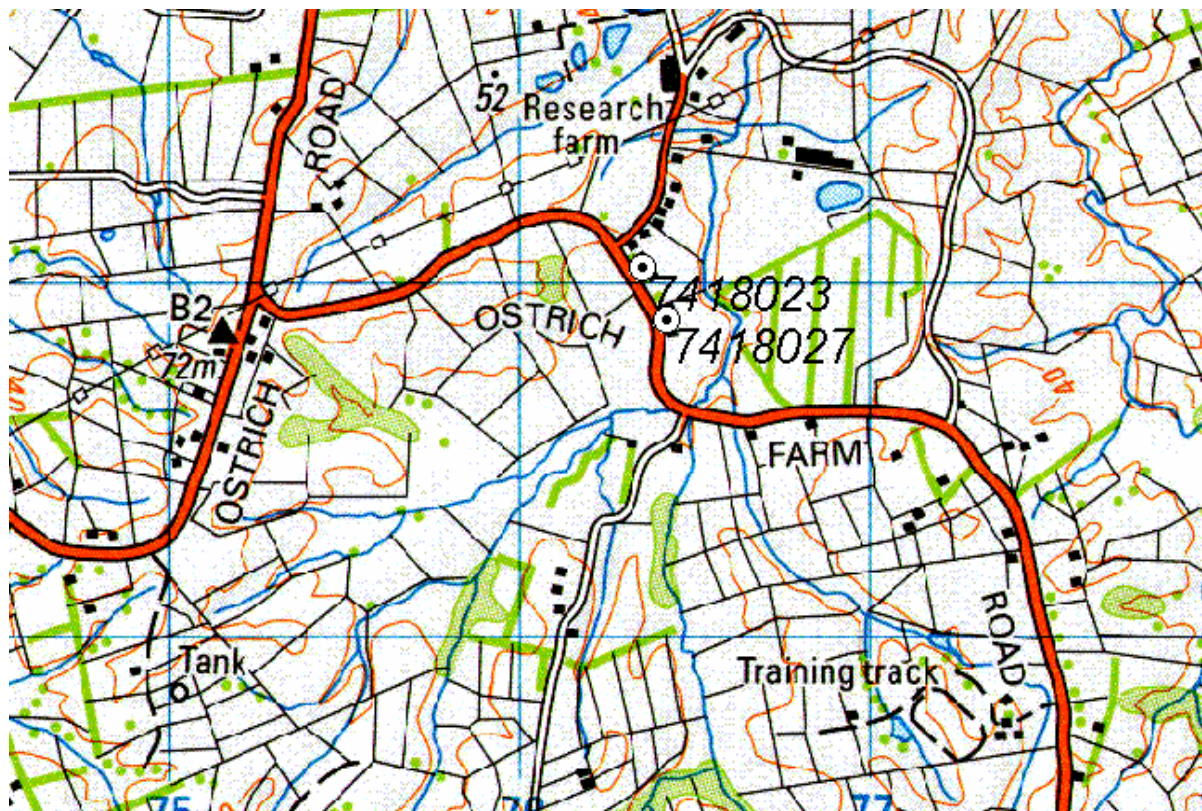
Casing depth: 68.00 metres

Casing diameter: 0.080 m

TOC = 0.410 m above ground level

This site has a dedicated pump built in for the NGMP monitoring. No mains power available on site.

Average Pumping Time: 25 minutes



Site 10: Central Park

Site I.D. No: 6498007

One Tree Hill Basalt Aquifer

NZMS 260 Ref: R11: 715 761

Lat / Long: 36° 54' 4" S, 174° 48' 7" E

Casing depth: 12.96 metres

Bore Depth: 22.41 metres

Casing diameter: 0.100 m

Elevation: 23.23 metres

TOC = xxx m above ground level

The bore is sited in the grove of trees appearing behind the instrument tower. No mains power available on site.

Average Pumping Time: 40 minutes

NOTE: Pressure transducer installed in bore – must be removed prior to commencement of pumping.



Site 11: Tiwai Rd, Onehunga

One Tree Hill Basalt Aquifer

Lat / Long: 36° 54' 36.7" S, 174° 46' 55.5" E

Bore Depth: 58.53 metres

Elevation: 70.159 metres

This bore is sampled using a dedicated bailer. Care should be taken to minimise contact of bailer and cord with the ground. Bailer samples approximately 0.75 litres per time so multiple drops are required.

Care should also be taken to minimise disturbance of bottom sediments during sampling activities.

Site I.D. No: 6497019

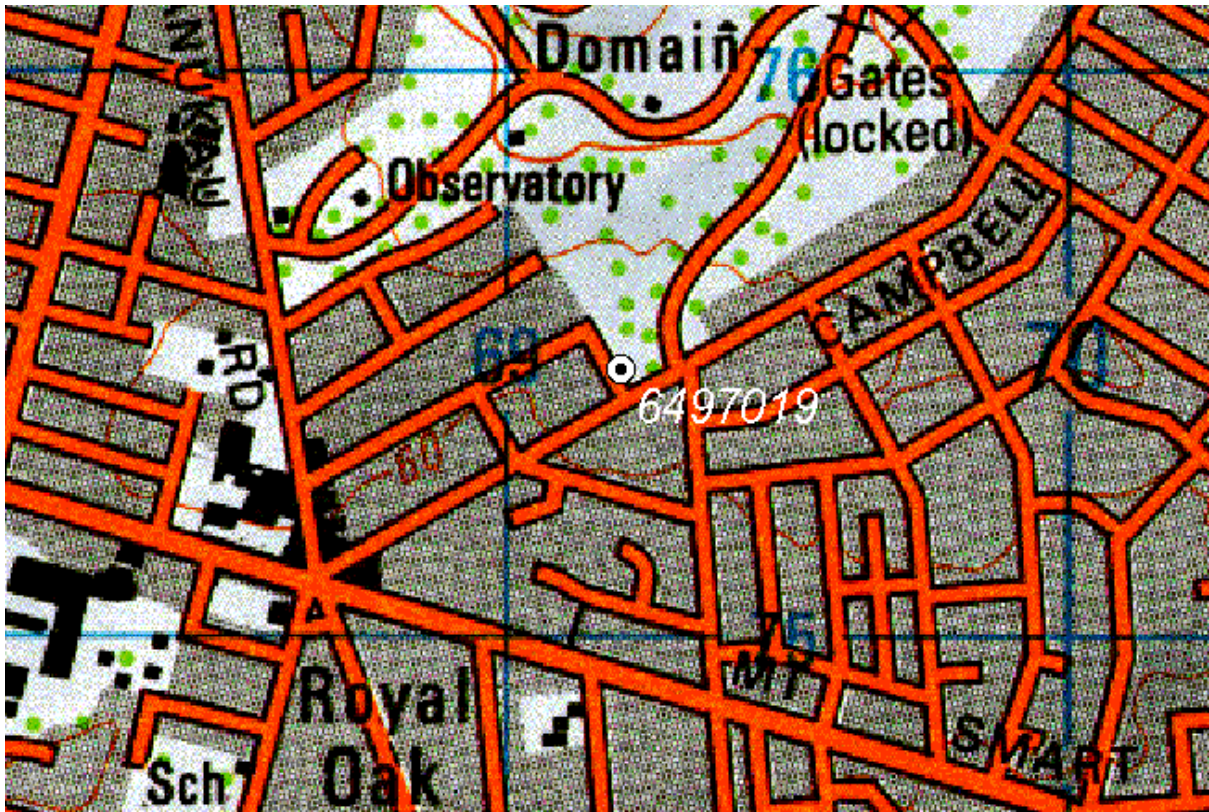
NZMS 260 Ref: R11: 692 755

Casing depth: 46.53 metres

Casing diameter: 0.050 m

TOC = xxx m above ground level





Site 12: Watson Ave, St Lukes

Site I.D. No: 6487015

Three Kings Basalt Aquifer

NZMS 260 Ref: R11: 653 783

Lat / Long: 36° 53' 8.5" S, 174° 44' 15.7" E

Casing depth: 32.50 metres

Bore Depth: 39.00 metres

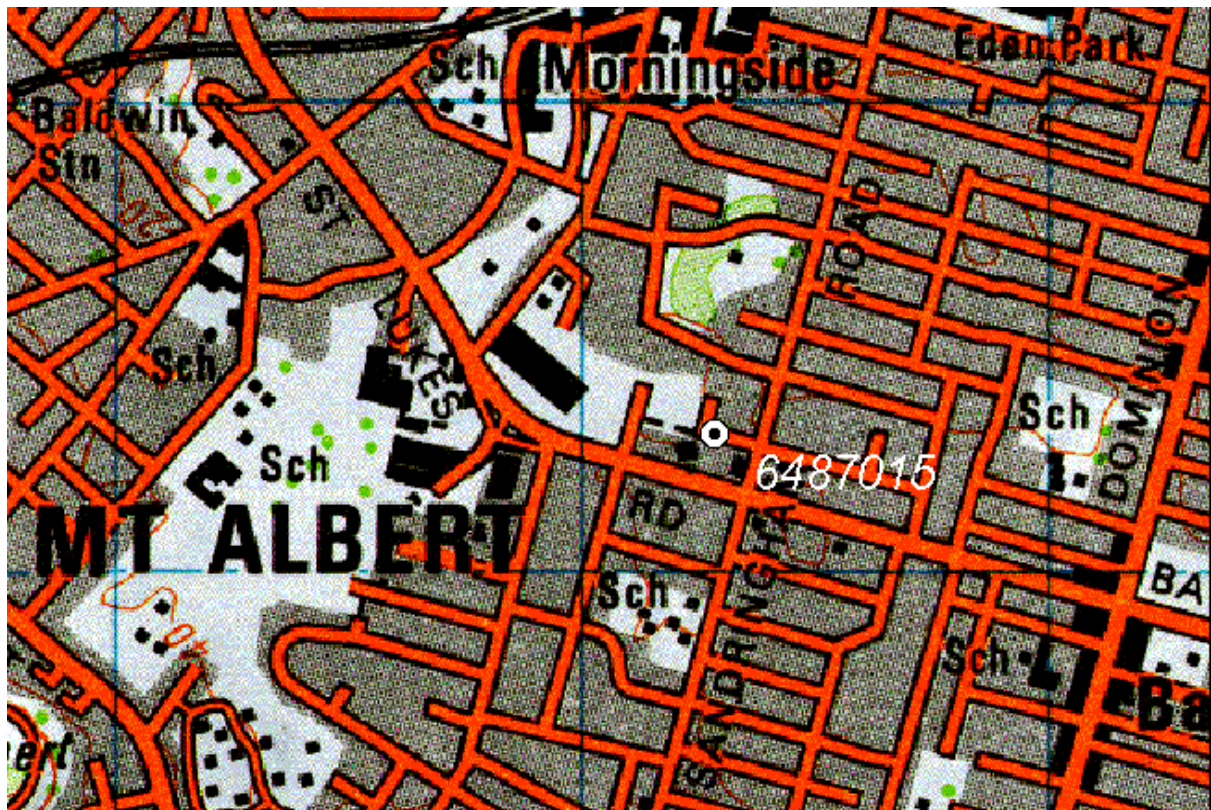
Casing diameter: 0.050 m

Elevation: 42.200 metres

TOC = 0.11 m *below* ground level

The bore at this site is set subsurface and can be difficult to spot. Security is poor and should be improved. Because of the poor location of the bore care should be taken to prevent contaminating materials from passing into the bore during sampling.

Average Pumping Time: 10 minutes



Site 13: Mt Richmond (ACC)

Site I.D. No: 6594001

Mt Richmond Basalt Aquifer

NZMS 260 Ref: R11: 744 728

Lat / Long: (to be confirmed)

Casing depth: 30.27 metres

Depth: 42.60 metres

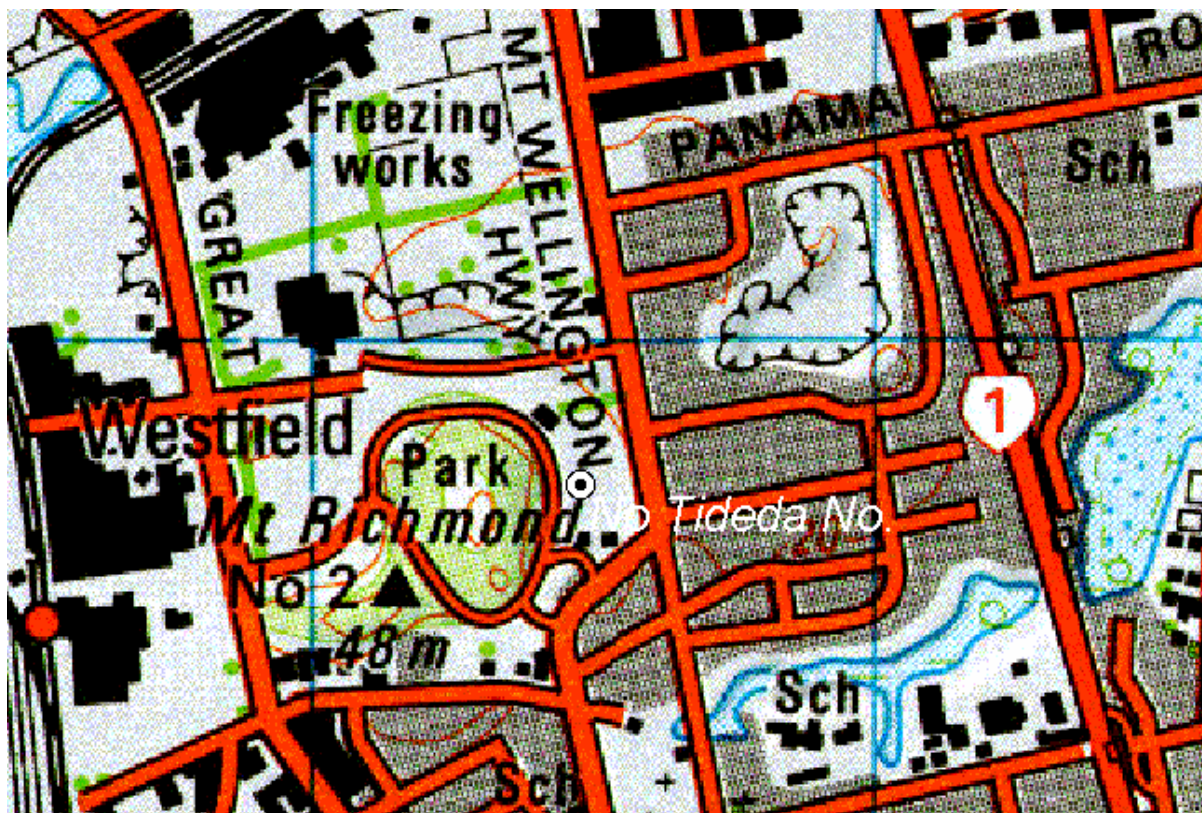
Casing diameter: 0.150 m

Elevation: Unknown metres

TOC = xxx m above ground level

This site has an installed pump and has been used for municipal supply. Uncover the bore by unlocking the ARC padlock on the southern side of the pillbox, adjacent to the ARC sign

Opening the tap on the borehead pressure activates the pump. Allow approximately 1.5 m³ to purge prior to sampling.



Site 14: Fielding Rd Sand

Site I.D. No: 7419007

Drury Sand Aquifer

NZMS 260 Ref: R12: 848 523

Lat / Long: 37° 07' 24" S, 174° 57' 6" E

Casing depth: 57.00 metres

Bore Depth: 64.00 metres

Casing diameter: 0.100

Elevation: 19.72 metres

TOC = 0.740 m above ground level

ARC shed in foreground – useful for writing up field notes in shelter, etc. No mains power on site.

Average Pumping Time: 55 minutes



Site 15: Fielding Rd Volcanic

Site I.D. No: 7419009

Drury Basalt Aquifer

NZMS 260 Ref: R12: 848 523

Lat / Long: 37° 06' 54.9" S, 174° 57' 46.6" E

Casing depth: 16.30 metres

Bore Depth: 46.70 metres

Casing diameter: 0.150 m

Elevation: 19.98 metres

TOC = 0.550 m above ground level

This bore can be completely dewatered by the MP1 sampling pump. Care should be taken to ensure that the rate of pumping is kept to the required rate.

Note: No mains power available in ARC shed.

Average Pumping Time: 1 hour 05 minutes



Site 16: BP Bombay

Site I.D. No:

No Site I.D. No.

Bombay Basalt Aquifer

Lat / Long: *(yet to be determined)*

Bore Depth: 79.43 metres

Elevation: Unknown metres

NZMS 260 Ref:

R12: 864 436

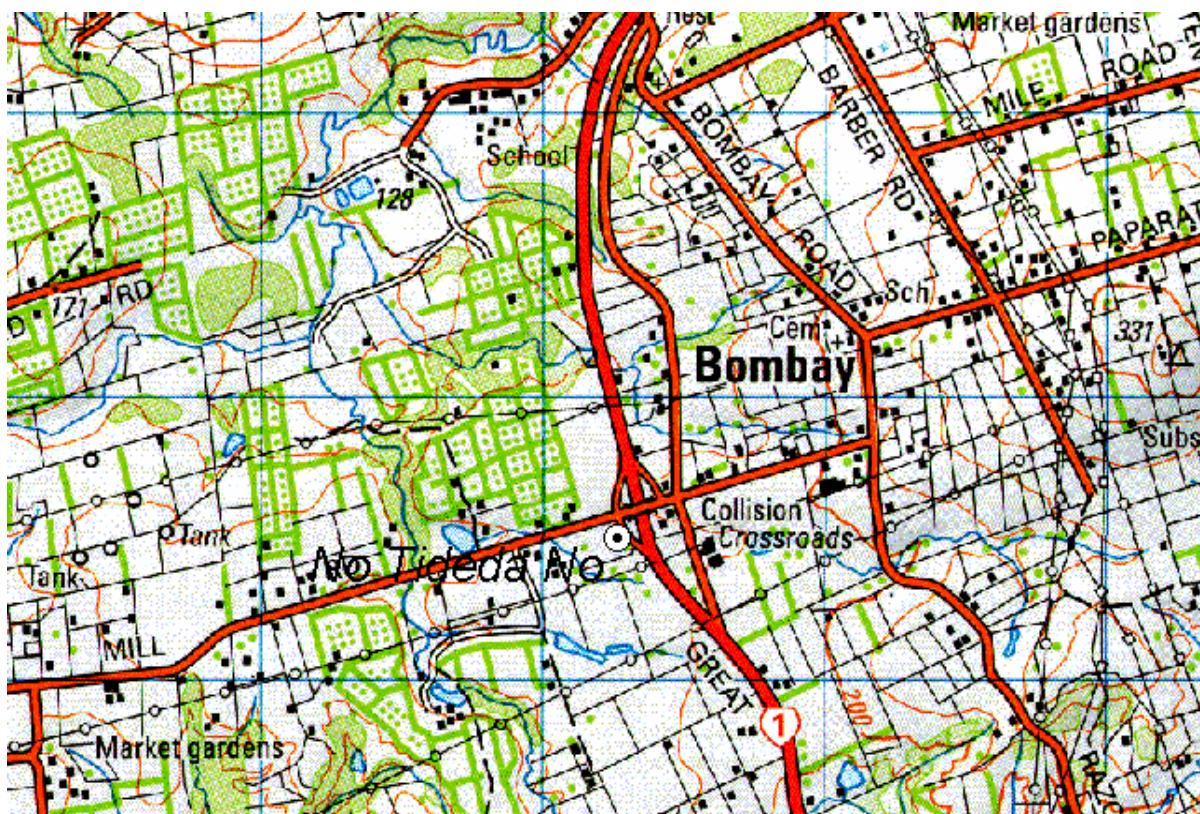
Casing depth: 62 metres

Casing diameter: 0.100 m

TOC = 0.325 m above ground level

The bore is sited in the pump shed adjacent to the entry to the carwash.

The key to the shed and the code to disarm the shed alarm can be obtained from the Service Station Manager. Please contact him two days prior to sampling and again approximately one hour before arrival at the station.



Site 17: Rifle Range Rd Shallow

Site I.D. No: 7428105

Shallow Pukekohe Basalt Aquifer

NZMS 260 Ref: R12: 766 426

Lat / Long: 37° 12' 18.7" S, 174° 52' 23.1" E

Casing depth: 30.00 metres

Depth: 42.00 metres

Casing diameter: 0.050 m

Elevation: 72.558 metres

TOC = 0.480 m above ground level

This site has a dedicated pump installed for NGMP monitoring.

Care should be taken in winter months to access this site using a 4WD vehicle. Tephra / ash at the surface produces a very slick surface.

Christmas pine plantings now occupy entire length of right-of-way – room for vehicle access has been left, to left hand side of area. 4WD access only – year round.

Average Pumping Time: 10 minutes

