

AAB0, O Richmond

Project	2018 CSI GPS
Created	2018-01-09 15:51:36 NZDT by Neville Palmer
Updated	2018-05-17 15:24:19 NZST by GeodeticOne Tectonophysics
Location	-43.85451119, 170.5544301
Status	■ Retrieved
Geodetic Code	AAB0
Station Name	O Richmond
Station Height (m)	754.9784
Station Height (ft)	2477

Mark, Site & Photo Details

Mark & Protection Details

Mark Type	Bronze Plaque
Mark Physical State	Reliable / Found
Mark Description	This mark is used for deformation monitoring, do not alter the ground mark in any way. Brass plaque on concrete Pillar approx 1.5m high. L & S plaque branded 'O', set in top of conc pillar.

Plates & Plaques

ID Plaque (bronze)	ID Plaque does Not Exist and was Not Installed
ID Plate (aluminium)	ID Plate does Not Exist and was Not Installed
Information Plate (aluminium)	Info Plate does Not Exist and was Not Installed

Protection

Primary Protection	No Protection
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Beacon Details

Beacon Type	Pillar
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Height Details (all in metres)

Mark Ground Level Relationship in metres (+ve below GL / -ve above GL)	-1.27
Top of Mast or Pillar	-1.27

Maintenance Completed and Required

Mark Maintenance Completed	No
Beacon Maintenance Completed	No
Protection Maintenance Completed	No
Mark Maintenance Required	No
Beacon Maintenance Required	Yes
Description	No black stripe on pillar
Protection Maintenance Required	No

Verification

Have all mark and protection fields above been updated or verified to be correct?	Yes
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Site & Access Details

Diagram Notes	See locus track
Access and Location Description	Location off Lilybank Rd (21km from SH8). Drive to marked ford about 3km north of Richmond Station house. From here the pillar is visible about 1km to the west on a ridge on the north side of the creek. This point is very secure with the site being surrounded by deer fencing and locked gates. Access to the paddock containing the trig can be gained from a gate 3.15km from the station house. The gate is located at the top of a hill immediately S of the ford. Enter the gate then drive 400m to the NE corner of the paddock. Then drive towards the lake. The mark will be seen 200m from the northern fence. No obstructions over 10°.
Access vehicle	4WD

Cell Phone Network Coverage

Spark	Strong signal
2 Degrees	Network signal not tested

Verification

Have all site & access fields above been updated or verified to be correct?	Yes
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Photographs

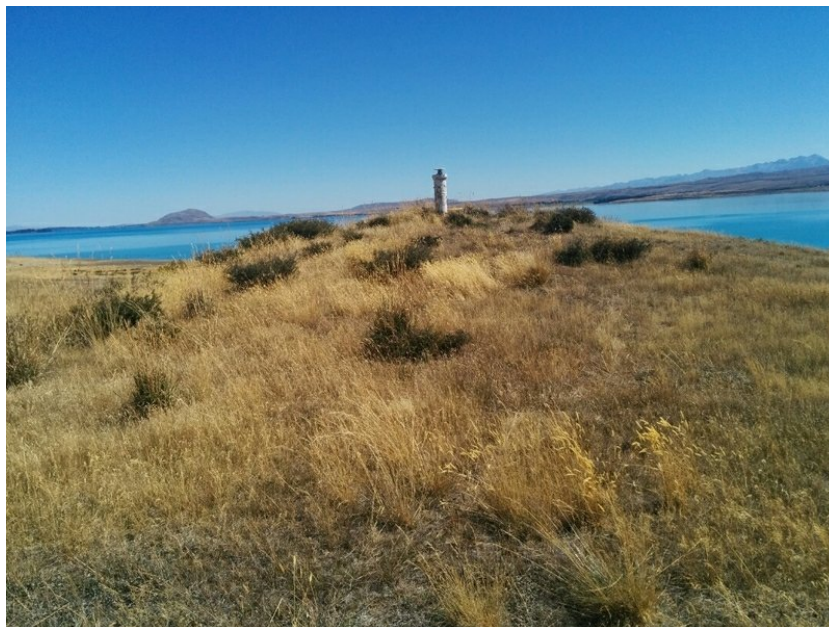
Photo of Survey Mark



Photo of Immediate Site



Photo of Extended Site



Verification

Is there at least one photo taken for each field above?

Yes

Have any mark, site or photo details been updated or verified?

Yes - All details have been fully updated or verified.

Updated by:

Chris Pearson

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	Michael Burtscher
Phone	03 680 6512

Contact Comments

Access permission restrictions (to report in LINZ GDB)	Key may be required
Additional comments relating to owner or contact details. (GNS use only.)	Also stock manager Grant Milhouse 03 680 6581 or 027 333 3144.

Owner

Is the owner known?	Yes
First Name	Michael
Last Name	Burtscher
Phone	03 680 6512
Mobile Phone	021 319 219

Site Contact

Is the site contact person known?	Same as owner
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Access Contact

Is the access contact person known?	Same as site contact
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Verification

Have all owner & contact fields above been updated or verified to be correct?	Yes
Have any owner or contact details been updated or verified?	Yes - All details have been fully updated or verified.
Updated by:	Chris Pearson

Occupations

AAB0, 2018-01-30, 15:41, GNS28, 0220389864, R7, Trimble

Geodetic Code	AAB0
Station Name	O Richmond

Deployment

Observer(s)	Chris Pearson, Isaac Brennan
GNSS Receiver	GNS28, 0220389864, R7, Trimble
GNSS Antenna	GNS28, 60154160, Zephyr Geodetic, Trimble
Antenna radome used?	NONE

Plumbing

Antenna Mount or Monument	Pillar Spider
Set-up using a rotating optical plummet?	Yes
Bubble Centred?	Yes

Cross-hair on target?	Yes
Plummet Check OK?	Yes

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	22
Compass should read (magnetic bearing)	338
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Antenna (Vertical)
1st Height	0.122
Check Height Units	Decimal Inches
Check Height	4.8
Check Height Converted to Metres	0.1219

Start Time

Occupation Start Date (local)	2018-01-30
Occupation Start Time (local)	15:41
Occupation Start UTC	Tue, 30 Jan 2018 02:41:00 GMT
Year and DoY (UTC)	2018-030

Battery Details

Number of batteries deployed	One
ID of Battery 1	06 b
Capacity of Battery 1 (Ahr)	24 Amp Hour
Voltage of Battery 1	12.7

This site is being deployed with multiple batteries. Please comment with all relevant details of the batteries deployed.

Retrieval

Observer(s)	Chris Pearson, Isaac Brennan
Was receiver logging on arrival?	No
Explain why receiver was not logging (eg Flat battery)	Flat bat

Battery Details

No batteries were recorded at deployment.

More than two batteries were recorded as deployed at this occupation. Comment below as necessary.

ID of Battery 1	06 b
Voltage of Battery 1 at Deployment	12.7
Voltage of Battery 1 at Retrieval	11.6

End Time

Occupation End Date (local)	2018-02-03
Occupation End Time (local)	13:26
Occupation End UTC	Sat, 03 Feb 2018 00:26:00 GMT
Year and DoY (UTC)	2018-034

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	22
Compass should read (magnetic bearing)	338
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Antenna (Vertical)
1st Height	0.122
Check Height Units	Decimal Inches
Check Height	4.9
Check Height Converted to Metres	0.1245
Average Height recorded at Deployment	0.122

Plumbing

Bubble Centred?	Yes
Cross-hair on target?	Yes
Plummet Check OK?	Yes

Gns3, 98640300.t01, 98640320.t01

Current Station	AAB0 - O Richmond
Station Occupation times (UTC)	Start: 02:41 DoY 2018-030 UTC End: 00:26 DoY 2018-034 UTC
ID of Download Device	Gns3
Downloaded by:	Chris Pearson
Download Date	2018-02-03
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	98640300.t01
Latest File Name Downloaded	98640320.t01
Total number of files downloaded.	3

Summary of Downloaded Files

Earliest Filenames Downloaded	98640300.t01
Latest Filenames Downloaded	98640320.t01
Numbers of files Downloaded	3

For each block of downloaded files there will be an earliest and latest file downloaded, plus the total number of files downloaded. Typically there will only be one download block per occupation. Occasionally a receiver will be downloaded several times during an occupation (eg during an extended semi-cGPS occupation). In this instance there will be multiple earliest, latest, and number of files downloaded. These are summarised in the comma delimited lists above.