

B8Y3, Macaulay River

Project	2018 CSI GPS
Created	2018-01-09 15:51:55 NZDT by Neville Palmer
Updated	2018-02-15 22:58:37 NZDT by Neville Palmer
Location	-43.72545762, 170.5757378
Status	■ Retrieved
Geodetic Code	B8Y3
Station Name	Macaulay River
Station Height (m)	788.2943
Station Height (ft)	2586

Mark, Site & Photo Details

Mark & Protection Details

Mark Physical State	Reliable / Found
Mark Description	This mark is used for deformation monitoring, do not alter the ground mark in any way. Stainless steel pin set in concrete block, 0.1m above GL.

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	Not Beacons
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Height Details (all in metres)

Mark Ground Level Relationship in metres (+ve below GL / -ve above GL)	0
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Maintenance Completed and Required

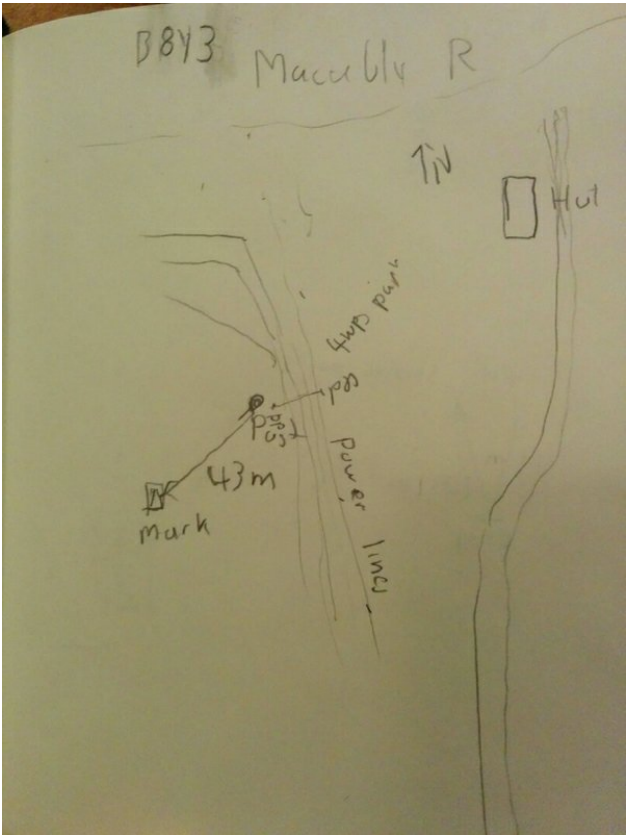
Mark Maintenance Completed	No
Beacon Maintenance Completed	No
Protection Maintenance Completed	No
Mark Maintenance Required	No
Beacon Maintenance Required	No
Protection Maintenance Required	No

Verification

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

Diagram



Access and Location Description	From Tekapo, drive up Lilybank Road to the Macaulay River (38km). The mark is directly West of the corrugated iron shed, on the highest point of the small hill, approximately 300m from the road. Access to top of hill by 4WD only.
Additional access notes (GNS use only)	See locus track route
Access vehicle	4WD
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	Weak but reliable 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

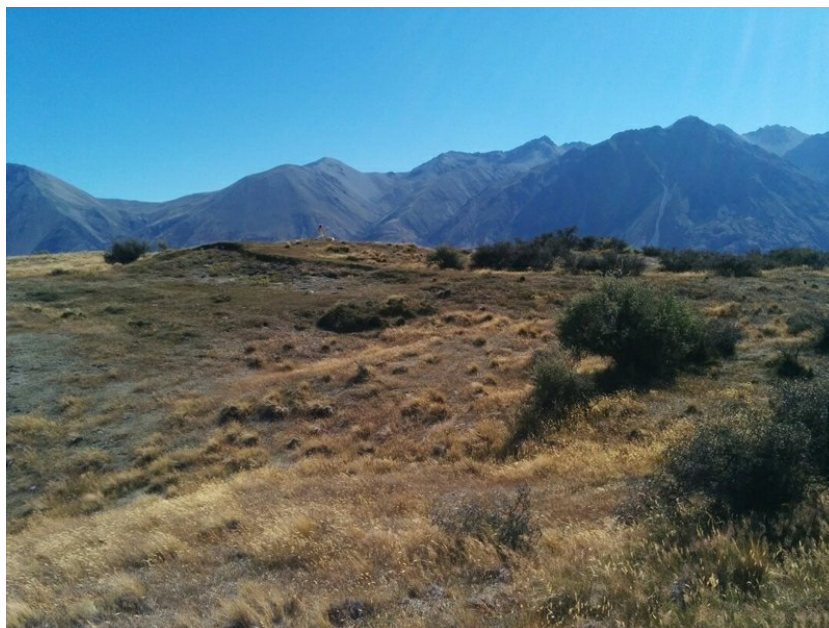
Photo of Survey Mark



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, Neville Palmer

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact

Lilybank Station

Phone

03 680 6522 (or 6533?)

Owner

Is the owner known?

Yes

Organisation or property name.

Macaulay Homestead Ltd

First Name

Gareth

Last Name

Harbinson

Position (eg owner, manager, lessee, tenant, etc)

Sole Shareholder

Address

2 Colchester Avenue
Auckland, 1071

Site Contact

Is the site contact person known?

Same as owner

Access Contact

Is the access contact person known?

Same as site contact

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, Neville Palmer

Occupations

B8Y3, 2018-01-30, 16:46, GNS12, 0440103874, 5700, Trimble

Geodetic Code	B8Y3
Station Name	Macaulay River

Deployment

Observer(s)	Chris Pearson, Isaac Brennan
GNSS Receiver	GNS12, 0440103874, 5700, Trimble
GNSS Antenna	GNST17, 12482226, Zephyr Geodetic, Trimble
Antenna radome used?	NONE

Plumbing

Antenna Mount or Monument	Tripod
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 Notch (Slant)
1st Notch Number	5
1st Height	0.961
2nd Notch Number	2
2nd Height	0.96
3rd Notch Number	4
3rd Height	0.961
Check Height Units	Decimal Feet
Check Height	3.15
Check Height Converted to Metres	0.9601

Start Time

Occupation Start Date (local)	2018-01-30
Occupation Start Time (local)	16:46
Occupation Start UTC	Tue, 30 Jan 2018 03:46:00 GMT
Year and DoY (UTC)	2018-030

Battery Details

Number of batteries deployed	One
ID of Battery 1	06 k
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 k
Voltage of Battery 1 at Deployment	12.7

End Time

Occupation End Date (local)	2018-02-03
Occupation End Time (local)	12:02
Occupation End UTC	Fri, 02 Feb 2018 23:02:00 GMT
Year and DoY (UTC)	2018-033

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	22
Compass should read (magnetic bearing)	338
Aligned to True North	No
Explain why not aligned north.	Blown over

Antenna Height

Height Measured To	Not Measured
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Plumbing

Bubble Centred?	Not Checked
Explain why bubble is not centred.	Blown over
Cross-hair on target?	Not Checked
Explain why cross-hair is not on target.	Blown over
Plummet Check OK?	Not Checked
Explain why plummet check is not OK.	Blown over

Gns3, 38740300.t01, 38740320.t01

Current Station	B8Y3 - Macaulay River
Station Occupation times (UTC)	Start: 03:46 DoY 030 UTC End: 23:02 DoY 033 UTC
ID of Download Device	Gns3

Download Date	2018-02-03
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	38740300.t01
Latest File Name Downloaded	38740320.t01
Total number of files downloaded.	3
Optional Comment	Files before storm should be ok

Summary of Downloaded Files

Earliest Filenames Downloaded	38740300.t01
Latest Filenames Downloaded	38740320.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.

B8Y3, 2018-02-03, 12:21, GNS12, 0440103874, 5700, Trimble

Geodetic Code	B8Y3
Station Name	Macaulay River

Deployment

Observer(s)	Chris Pearson, Isaac Brennan
GNSS Receiver	GNS12, 0440103874, 5700, Trimble
GNSS Antenna	GNS12, 12235078, Zephyr Geodetic, Trimble
Antenna radome used?	NONE

Plumbing

Antenna Mount or Monument	Tripod
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 Notch (Slant)
1st Notch Number	1
1st Height	0.901
2nd Notch Number	4
2nd Height	0.903
3rd Notch Number	4
3rd Height	0.9015
Check Height Units	Decimal Inches

Check Height	35.5
Check Height Converted to Metres	0.9017

Start Time

Occupation Start Date (local)	2018-02-03
Occupation Start Time (local)	12:21
Occupation Start UTC	Fri, 02 Feb 2018 23:21:00 GMT
Year and DoY (UTC)	2018-033

Battery Details

Number of batteries deployed	One
ID of Battery 1	17h
Capacity of Battery 1 (Ahr)	38 Amp Hour
Voltage of Battery 1	12.78

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?	Yes

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	17h
Voltage of Battery 1 at Deployment	12.78
Voltage of Battery 1 at Retrieval	11.83

End Time

Occupation End Date (local)	2018-02-07
Occupation End Time (local)	09:46
Occupation End UTC	Tue, 06 Feb 2018 20:46:00 GMT
Year and DoY (UTC)	2018-037

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 Notch (Slant)
1st Notch Number	1
1st Height	0.9
2nd Notch Number	4
2nd Height	0.902
3rd Notch Number	6
3rd Height	0.901
Check Height Units	Decimal Inches

Check Height	35.5
Check Height Converted to Metres	0.9017
Average Height recorded at Deployment	0.9018

Plumbing

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

Gns3, 38740340.t01, 38740370.t01

Current Station	B8Y3 - Macaulay River
Station Occupation times (UTC)	Start: 23:21 DoY 033 UTC End: 20:46 DoY 037 UTC
ID of Download Device	Gns3
Download Date	2018-02-07
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	38740340.t01
Latest File Name Downloaded	38740370.t01
Total number of files downloaded.	4

Summary of Downloaded Files

Earliest Filenames Downloaded	38740340.t01
Latest Filenames Downloaded	38740370.t01
Numbers of files Downloaded	4

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.