

B8XD, Phantom River

Project	2018 CSI GPS
Created	2018-01-09 15:51:50 NZDT by Neville Palmer
Updated	2018-05-21 13:58:46 NZST by GeodeticOne Tectonophysics
Location	-43.84834074, 171.0568525
Status	■ Retrieved
Geodetic Code	B8XD
Station Name	Phantom River
Station Height (m)	467.1934
Station Height (ft)	1533

Mark, Site & Photo Details

Mark & Protection Details

Mark Type	Stainless Steel Pin
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 rock outcrop.

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
Secondary Protection	No Protection

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

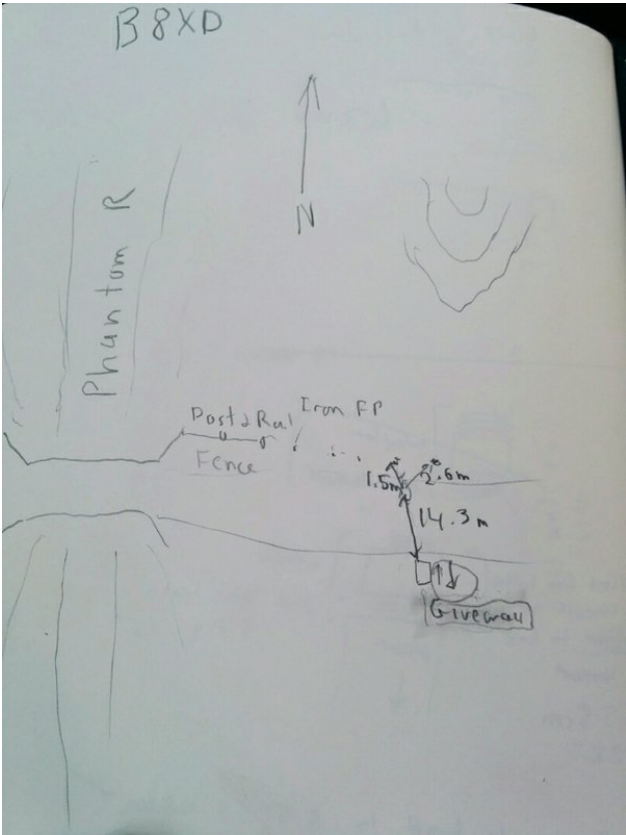
Mark Maintenance Completed	No
Beacon Maintenance Completed	No
Protection Maintenance Completed	No
Mark Maintenance Required	No
Beacon Maintenance Required	No
Protection Maintenance Required	No

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	Location Lochaber Road off Clayton Road. Drive to Phantom River bridge 42.1km from SH79. Mark is located along fence from east end of Phantom River bridge on north side of road. About 2m on the bridge side of a large rock outcrop. Beside 4th iron fence post from bridge. If you reach Lochaber Station you have gone too far by about 2km. Turn round and cross the Hewson River and stop before the Phantom River bridge.
Access vehicle	2WD
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	No signal or unreliable 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	Road Reserve
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Contact Comments

Access permission restrictions (to report in LINZ GDB)	Owners of Lochaber Stn: Harrisons 03 685 4822
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Owner

Is the owner known?	Yes
Last Name	Road Reserve

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

B8XD, 2018-02-04, 09:42, GNS17, 0220325940, 5700, Trimble

Geodetic Code	B8XD
Station Name	Phantom River

Deployment

Observer(s)	Chris Pearson, Isaac Brennan
GNSS Receiver	GNS17, 0220325940, 5700, Trimble
GNSS Antenna	GNS17, 12545600, 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	1.003

2nd Notch Number	4
2nd Height	1.003
3rd Notch Number	7
3rd Height	1.003
Check Height Units	Decimal Inches
Check Height	39.5
Check Height Converted to Metres	1.0033

Start Time

Occupation Start Date (local)	2018-02-04
Occupation Start Time (local)	09:42
Occupation Start UTC	Sat, 03 Feb 2018 20:42:00 GMT
Year and DoY (UTC)	2018-034

Battery Details

Number of batteries deployed	One
ID of Battery 1	08s
Capacity of Battery 1 (Ahr)	24 Amp Hour
Voltage of Battery 1	12.75

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	08s
Voltage of Battery 1 at Deployment	12.75
Voltage of Battery 1 at Retrieval	11.5

End Time

Occupation End Date (local)	2018-02-07
Occupation End Time (local)	17:25
Occupation End UTC	Wed, 07 Feb 2018 04:25:00 GMT
Year and DoY (UTC)	2018-038

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	Top of Notch (Slant)
1st Notch Number	6
1st Height	1.003

2nd Notch Number	1
2nd Height	1.002
3rd Notch Number	4
3rd Height	1.003
Check Height Units	Decimal Inches
Check Height	39.5
Check Height Converted to Metres	1.0033
Average Height recorded at Deployment	1.003

Plumbing

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

Gns3, 59400350.t01, 59400380.t01

Current Station	B8XD - Phantom River
Station Occupation times (UTC)	Start: 20:42 DoY 2018-034 UTC End: 04:25 DoY 2018-038 UTC
ID of Download Device	Gns3
Downloaded by:	Chris Pearson
Download Date	2018-02-07
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	59400350.t01
Latest File Name Downloaded	59400380.t01
Total number of files downloaded.	4

Summary of Downloaded Files

Earliest Filenames Downloaded	59400350.t01
Latest Filenames Downloaded	59400380.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.