

B8X8, Prelude

Project	2018 CSI GPS
Created	2018-01-09 15:51:49 NZDT by Neville Palmer
Updated	2018-03-30 15:54:49 NZDT by GeodeticOne Tectonophysics
Location	-43.32359692, 170.8817358
Status	■ Retrieved
Geodetic Code	B8X8
Station Name	Prelude
Station Height (m)	1773.1867
Station Height (ft)	5818

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.
Additional mark or site notes (GNS use only)	Cairn built 2 m from mark is visible from helicopter

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

Access and Location Description	Location East end of the Rakaia River by Prelude Peak. The point is located in a broad hill with a flat top located 1km SE of Prelude Peak. There are two dome shaped outcrops of reddish rock on the South end of the hill. The mark is located in the Southernmost one of these near the North end of the outcrop.
Access vehicle	Heli
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	No signal or unreliable signal
Vodafone	No signal or unreliable signal
2 Degrees	No signal or unreliable signal

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:

Rory Hart

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact

DoC - Canterbury Conservancy

Phone

03 693 1010

Address

North Terrace, PO Box 33, Geraldine,

Contact Comments

Access permission restrictions (to report in LINZ GDB)

Good landing site on top of hill.

Owner

Is the owner known?

Yes

First Name	-
Last Name	Ruakapuka Area Office
Address	North Terrace, PO Box 33, Geraldine,
Phone	03 693 1010

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:	Rory Hart

Occupations

B8X8, 2018-03-28, 15:42, GNS20, 0220320200, 5700, Trimble

Geodetic Code	B8X8
Station Name	Prelude

Deployment

Observer(s)	Jerry Simonsen, Rory Hart
GNSS Receiver	GNS20, 0220320200, 5700, Trimble
GNSS Antenna	GNS20, 12612063, 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)	24
Compass should read (magnetic bearing)	336
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	5
1st Height	1.004
2nd Notch Number	3
2nd Height	1.003

3rd Notch Number	3
3rd Height	1.004
Check Height Units	Decimal Inches
Check Height	39.54
Check Height Converted to Metres	1.0043

Start Time

Occupation Start Date (local)	2018-03-28
Occupation Start Time (local)	15:42
Occupation Start UTC	Wed, 28 Mar 2018 02:42:00 GMT
Year and DoY (UTC)	2018-087

Battery Details

Number of batteries deployed	One
ID of Battery 1	17F
Capacity of Battery 1 (Ahr)	34 Amp Hour
Voltage of Battery 1	12.97

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

Retrieval

Observer(s)	Jerry Simonsen, Rory Hart
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	17F
Voltage of Battery 1 at Deployment	12.97
Voltage of Battery 1 at Retrieval	12.42

End Time

Occupation End Date (local)	2018-03-30
Occupation End Time (local)	11:48
Occupation End UTC	Thu, 29 Mar 2018 22:48:00 GMT
Year and DoY (UTC)	2018-088

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	24
Compass should read (magnetic bearing)	336
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	8
1st Height	1.002
2nd Notch Number	5
2nd Height	1.003

3rd Notch Number	2
3rd Height	1.002
Check Height Units	Decimal Inches
Check Height	39.47
Check Height Converted to Metres	1.0025
Average Height recorded at Deployment	1.0037

Plumbing

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

EDS27, 02000871.t01, 02000880.t01

Current Station	B8X8 - Prelude
Station Occupation times (UTC)	Start: 02:42 DoY 2018-087 UTC End: 22:48 DoY 2018-088 UTC
ID of Download Device	EDS27
Downloaded by:	Jerry Simonsen
Download Date	2018-03-30
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	02000871.t01
Latest File Name Downloaded	02000880.t01
Total number of files downloaded.	2

Summary of Downloaded Files

Earliest Filenames Downloaded	02000871.t01
Latest Filenames Downloaded	02000880.t01
Numbers of files Downloaded	2

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.