

B8XC, North Opuha

Project	2018 CSI GPS
Created	2018-01-09 15:51:50 NZDT by Neville Palmer
Updated	2018-02-15 23:00:35 NZDT by Neville Palmer
Location	-43.9285435, 170.8793019
Status	■ Retrieved
Geodetic Code	B8XC
Station Name	North Opuha
Station Height (m)	544.6261
Station Height (ft)	1787

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 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	Plastic Marker Post
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

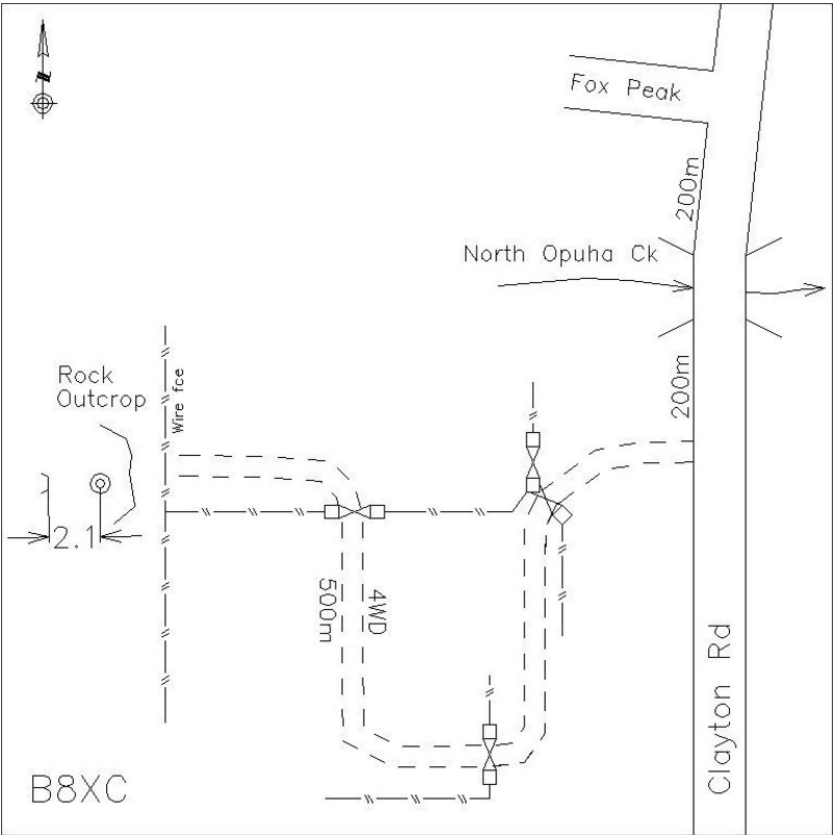


Diagram Notes

See locus track for walking route

Access and Location Description

Location Clayton Road. From Fairlie, take SH79, cross the Opihi River bridge then take the first left which is Clayton Road (marked by AA sign). Drive to North Opuha River bridge. 21.2km from SH79 and 4km from end of seal. About 200m South of the bridge see 2 gates on left in a V shape. Option to walk or drive from here. WALK (~250m) Enter the most Northern (closest to the river) gate. Follow the fence line across a small brook then 200m up the hill following fence line to corner of paddock. DRIVE (4WD) Enter the southern most gate (away from the river). Turn left & follow fence, thru gate and head up hill diagonally to intersection of fence. THEN (walking or driving) Follow the top fence line for 30m toward the river. Here you will see a large bluff above the fence. Cross the fence. The mark is on top of the outcrop.

Access vehicle

4WD

GNSS Suitability

Good

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

Photographs

B8XC – North Opihua (IGNS)

Contract Number: Waimate RFQ13D01



newzealand.govt.nz

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	M & A Johnson
Phone	36854987
Address	384 Butlers Road - Fairlie

Contact Comments

Access permission restrictions (to report in LINZ GDB)	Livestock. Ring farmer before access
Additional comments relating to owner or contact details. (GNS use only.)	Rapid #2035

Owner

Is the owner known?	Yes
Organisation or property name.	Fox peak
First Name	Laurie
Last Name	Williams
Phone	036854854
Mobile Phone	0274380325

Site Contact

Is the site contact person known?	Yes
Organisation or property name.	Donald Bray
First Name	Donald & Barbra
Last Name	Bray
Address	Lilydale, Sherwood Downs R D 17, Ashwick Flat,
Phone	03 685 4856

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

B8XC, 2018-02-04, 08:51, GNS28, 0220389864, R7, Trimble

Geodetic Code	B8XC
Station Name	North Opuha

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	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	2
1st Height	0.939
2nd Notch Number	5
2nd Height	0.94
3rd Notch Number	8

3rd Height	0.939
Check Height Units	Decimal Inches
Check Height	36.95
Check Height Converted to Metres	0.9385

Start Time

Occupation Start Date (local)	2018-02-04
Occupation Start Time (local)	08:51
Occupation Start UTC	Sat, 03 Feb 2018 19:51:00 GMT
Year and DoY (UTC)	2018-034

Battery Details

Number of batteries deployed	One
ID of Battery 1	12/a
Capacity of Battery 1 (Ahr)	24 Amp Hour
Voltage of Battery 1	13.02

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	12/a
Voltage of Battery 1 at Deployment	13.02

End Time

Occupation End Date (local)	2018-02-07
Occupation End Time (local)	16:58
Occupation End UTC	Wed, 07 Feb 2018 03:58:00 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	Bottom of Notch (Slant)
1st Notch Number	8
1st Height	0.939
2nd Notch Number	5
2nd Height	0.939

3rd Notch Number	6
3rd Height	0.94
Check Height Units	Decimal Inches
Check Height	37
Check Height Converted to Metres	0.9398
Average Height recorded at Deployment	0.9393

Plumbing

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

Gns3, 98640350.t01, 98640370.t01

Current Station	B8XC - North Opuha
Station Occupation times (UTC)	Start: 19:51 DoY 034 UTC End: 03:58 DoY 038 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	98640350.t01
Latest File Name Downloaded	98640370.t01
Total number of files downloaded.	3

Summary of Downloaded Files

Earliest Filenames Downloaded	98640350.t01
Latest Filenames Downloaded	98640370.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.