

B8XG, Potts River

Project	2018 CSI GPS
Created	2018-01-09 15:51:51 NZDT by Neville Palmer
Updated	2018-04-16 13:08:23 NZST by GeodeticOne Tectonophysics
Location	-43.47296456, 170.9720192
Status	■ Retrieved
Geodetic Code	B8XG
Station Name	Potts River
Station Height (m)	1331.7011
Station Height (ft)	4369

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)	-0.02
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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	Located central Potts River. Follow the Ashburton to the hut at the terminus of the road over the Dogs Range. From here, the valley opens out into a large basin. In the Northern central part of the basin there is a prominent peak. Note this peak is 400m lower than the hills that surround the basin. The point is located 8m @ 315°mag from the summit to the north. Trig AN4Y is also located on this site a few meters south of the summit. Pin Protrudes 2cm from rock.
Additional access notes (GNS use only)	This mark occupied in 1996, 1998 & 2018. Adjacent mark AN4Y occupied in 2002 & 2010. A tie should be made between them in future and preference given to occupying AN4Y.
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

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,

Owner

Is the owner known?	Yes
Organisation or property name.	DoC
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

B8XG, 2018-03-30, 10:57, GNS38, 5133K77679, NetR9, Trimble

Geodetic Code	B8XG
Station Name	Potts River

Deployment

Observer(s)	Jerry Simonsen, Rory Hart
GNSS Receiver	GNS38, 5133K77679, NetR9, Trimble
GNSS Antenna	GNS38, 5000116580, Zephyr Geodetic 2, 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	7
1st Height	0.9
2nd Notch Number	5
2nd Height	0.901
3rd Notch Number	2
3rd Height	0.9
Check Height Units	Decimal Inches
Check Height	35.48
Check Height Converted to Metres	0.9012

Start Time

Occupation Start Date (local)	2018-03-30
Occupation Start Time (local)	10:57
Occupation Start UTC	Thu, 29 Mar 2018 21:57:00 GMT
Year and DoY (UTC)	2018-088

Battery Details

Number of batteries deployed	One
ID of Battery 1	17L

Capacity of Battery 1 (Ahr)	34 Amp Hour
Voltage of Battery 1	12.96
This site is being deployed with multiple batteries. Please comment with all relevant details of the batteries deployed.	

Retrieval

Observer(s)	Cyril Joureau, Neville Palmer
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	17L
Voltage of Battery 1 at Deployment	12.96
Voltage of Battery 1 at Retrieval	11.72

End Time

Occupation End Date (local)	2018-04-01
Occupation End Time (local)	08:57
Occupation End UTC	Sat, 31 Mar 2018 19:57:00 GMT
Year and DoY (UTC)	2018-090

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	24
Compass should read (magnetic bearing)	336
Aligned to True North	No
Explain why not aligned north.	Significantly off plumb.

Antenna Height

Height Measured To	Not Measured
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Plumbing

Bubble Centred?	No
Explain why bubble is not centred.	Significantly off plumb.
Cross-hair on target?	No
Magnetic bearing from mark to cross-hair.	170
Distance in mm from mark to cross-hair	300
Explain why cross-hair is not on target.	Significantly off plumb.
Plummet Check OK?	No
Explain why plummet check is not OK.	Significantly off plumb.

Nev's phone, 5133K77679201803292100B.T02, 5133K77679201803312000B.T02

Current Station	B8XG - Potts River
Station Occupation times (UTC)	Start: 21:57 DoY 2018-088 UTC End: 19:57 DoY 2018-090 UTC
ID of Download Device	Nev's phone
Downloaded by:	Neville Palmer
Download Date	2018-04-01

Record the first and last file name of the block of files downloaded.

Earliest File Name Downloaded	5133K77679201803292100B.T02
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Latest File Name Downloaded	5133K77679201803312000B.T02
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Total number of files downloaded.	48
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Summary of Downloaded Files

Earliest Filenames Downloaded	5133K77679201803292100B.T02
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Latest Filenames Downloaded	5133K77679201803312000B.T02
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Numbers of files Downloaded	48
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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.