

B8XX, Butler Saddle Tarn

Project	2018 CSI GPS
Created	2018-01-09 15:51:54 NZDT by Neville Palmer
Updated	2018-03-29 19:20:36 NZDT by Neville Palmer
Location	-43.78509103, 170.8236858
Status	■ Retrieved
Deployment Status Comment	Access all ok. Please call Gerald when complete.
Geodetic Code	B8XX
Station Name	Butler Saddle Tarn
Station Height (m)	1800.3399
Station Height (ft)	5907

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. 3 x dynabolts installed.

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	Helicopter access. Located on Ben McLeod Range near Butler Saddle. Fly South Westward up Butlers Creek to the NW of the Ben McLeod Range towards Butler Saddle. After crossing the saddle turn Westwards and fly over a sharp ridge. A small tarn will soon be visible, less than 1km after crossing the ridge. The mark is on a knoll at the mouth of the tarn, on the true right bank of the stream. It is marked by a small rock cairn (1996).
Access vehicle	Heli
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	Weak but reliable signal
Vodafone	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

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:	Cyril Joureau, Neville Palmer

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	Ben McLeod Station
Address	Ben McLeod Stn, PO Box, Peel Forest R D 20, Geraldine,

Owner

Is the owner known?	Yes
Organisation or property name.	Ben McLeod Station
First Name	Don & Sue
Last Name	Aubrey
Position (eg owner, manager, lessee, tenant, etc)	Owners
Address	PO Box, Peel Forest RD 20 Geraldine,
Phone	

Site Contact

Is the site contact person known?	Yes
First Name	Gerald
Last Name	Aubrey
Position (eg owner, manager, lessee, tenant, etc)	Manager/Son
Address	PO Box, Peel Forest RD 20 Geraldine,
Phone	03 696 3747

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:	Neville Palmer

Occupations

B8XX, 2018-03-25, 14:27, LINZ25, 0220267074, 5700, Trimble

Geodetic Code	B8XX
Station Name	Butler Saddle Tarn

Deployment

Observer(s)	Cyril Joureau, Neville Palmer
GNSS Receiver	LINZ25, 0220267074, 5700, Trimble
GNSS Antenna	LINZ25, 12652401, 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	6
1st Height	1.146
2nd Notch Number	1
2nd Height	1.145
3rd Notch Number	3
3rd Height	1.145
Check Height Units	Decimal Inches
Check Height	45.1
Check Height Converted to Metres	1.1455

Start Time

Occupation Start Date (local)	2018-03-25
Occupation Start Time (local)	14:27
Occupation Start UTC	Sun, 25 Mar 2018 01:27:00 GMT
Year and DoY (UTC)	2018-084

Battery Details

Number of batteries deployed	One
ID of Battery 1	06B
Capacity of Battery 1 (Ahr)	24 Amp Hour
Voltage of Battery 1	12.64

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

2018-03-29

Geodetic Code	B8XX
Occupation Period	2018-084_2018-087
Event logged by:	Neville Palmer
Event Date	2018-03-29
Event Time	10:15
UTC time	Wed, 28 Mar 2018 21:15:00 GMT
Year and DoY (UTC)	2018-087

Event Comments	Pelican case found blown upside down with looks unlatched. Could not copy from CF card. Tried second phone (EDS29) and was able to read but no recent files. Files were previously visible on Nev's phone. Setup was found to be off plumb. Likely caused by high winds on Tue 27 Mar.
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Retrieval

Observer(s)	Cyril Joureau, Neville Palmer
Was receiver logging on arrival?	No
Explain why receiver was not logging (eg Flat battery)	Flat battery

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	06B
Voltage of Battery 1 at Deployment	12.64
Voltage of Battery 1 at Retrieval	11.77

End Time

Occupation End Date (local)	2018-03-29
Occupation End Time (local)	10:17
Occupation End UTC	Wed, 28 Mar 2018 21:17:00 GMT
Year and DoY (UTC)	2018-087

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	6
1st Height	1.147
2nd Notch Number	1
2nd Height	1.146
3rd Notch Number	3
3rd Height	1.146
Check Height Units	Decimal Inches
Check Height	45.15
Check Height Converted to Metres	1.1468
Average Height recorded at Deployment	1.1453

Plumbing

Bubble Centred?	No
Explain why bubble is not centred.	5 div @ 310 mag. Relevelled.
Cross-hair on target?	No
Magnetic bearing from mark to cross-hair.	305

Distance in mm from mark to cross-hair	3.5
Explain why cross-hair is not on target.	Possible strong wind. Case found blown upside down.
Plummet Check OK?	Yes

Summary of Downloaded Files

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.