

B8X4, Kelman Hut

Project	2018 CSI GPS
Created	2018-01-09 15:51:48 NZDT by Neville Palmer
Updated	2018-03-30 15:47:19 NZDT by Neville Palmer
Location	-43.51910507, 170.3608001
Status	■ Retrieved
Geodetic Code	B8X4
Station Name	Kelman Hut
Station Height (m)	2505.4892
Station Height (ft)	8220

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

Access and Location Description

Occupation of this site should be coordinated with DoC to avoid scheduled helicopter trips to the hut. Located at site of Kelman Hut. The site is on a small rock knoll a few meters South of the Kelman Hut Helipad. It is a couple of meters out of range of blades. Smaller helicopters can land at helipad. Larger ones may need to land at Tasman saddle, requiring a 20-30 min pack up a snow slope. CARE IS NEEDED TO AVOID CREVASSES.

Access vehicle	Heli
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	No signal or unreliable 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



Verification

Is there at least one photo taken for each field above?

No

Why are there photos not taken?

Other camera

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	DoC - Canterbury Conservancy
Phone	03 435 1186
Address	PO Box 5, Mount Cook, Mount Cook National Park,

Owner

Is the owner known?	Yes
First Name	-
Last Name	Aoraki Area Office
Address	PO Box 5, Mount Cook, Mount Cook National Park,
Phone	03 435 1186
Email	mtcookvc@doc.govt.nz

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:	Neville Palmer

Occupations

B8X4, 2018-03-28, 11:58, GNS44, 5235K51840, NetR9, Trimble

Geodetic Code	B8X4
Station Name	Kelman Hut

Deployment

Observer(s)	Cyril Joureau, Neville Palmer
GNSS Receiver	GNS44, 5235K51840, NetR9, Trimble
GNSS Antenna	GNS44, 5000113057, 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	2
1st Height	0.798
2nd Notch Number	5
2nd Height	0.799
3rd Notch Number	8
3rd Height	0.798
Check Height Units	Decimal Inches
Check Height	31.49
Check Height Converted to Metres	0.7998

Start Time

Occupation Start Date (local)	2018-03-28
Occupation Start Time (local)	11:58
Occupation Start UTC	Tue, 27 Mar 2018 22:58:00 GMT
Year and DoY (UTC)	2018-086

Battery Details

Number of batteries deployed	One
ID of Battery 1	15J
Capacity of Battery 1 (Ahr)	34 Amp Hour
Voltage of Battery 1	12.58

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	15J
Voltage of Battery 1 at Deployment	12.58
Voltage of Battery 1 at Retrieval	11.9

End Time

Occupation End Date (local)	2018-03-30
Occupation End Time (local)	10:31
Occupation End UTC	Thu, 29 Mar 2018 21:31:00 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	2
1st Height	0.798
2nd Notch Number	5
2nd Height	0.799
3rd Notch Number	8
3rd Height	0.797
Check Height Units	Decimal Inches
Check Height	31.4
Check Height Converted to Metres	0.7976
Average Height recorded at Deployment	0.7983

Plumbing

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

Nev's phone, 18400860A.T02, 18400880A.T02

Current Station	B8X4 - Kelman Hut
Station Occupation times (UTC)	Start: 22:58 DoY 2018-086 UTC End: 21:31 DoY 2018-088 UTC
ID of Download Device	Nev's phone
Downloaded by:	Cyril Joureau
Download Date	2018-03-30
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	18400860A.T02
Latest File Name Downloaded	18400880A.T02
Total number of files downloaded.	3

Summary of Downloaded Files

Earliest Filenames Downloaded	18400860A.T02
Latest Filenames Downloaded	18400880A.T02
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.