

B19T, Mt Smith

Project	2018 CSI GPS
Created	2018-01-09 15:51:41 NZDT by Neville Palmer
Updated	2018-04-16 13:35:05 NZST by GeodeticOne Tectonophysics
Location	-43.84628332, 169.2299024
Status	■ Retrieved
Geodetic Code	B19T
Station Name	Mt Smith
Station Height (m)	1281.8321
Station Height (ft)	4205

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. 2" pipe has SS pin flush in top of it.

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)	-0.1
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Maintenance Completed and Required

Mark Maintenance Completed	No
Beacon Maintenance Completed	Yes
Description	Removed 2m Nelson Beacon. Looked to be struck by lightning. 2/3 legs not connected to concrete bases.
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. Good landing sites approximately 30 m south-east of mark in tussock grass.
Access vehicle	Heli
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	Network signal not tested
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

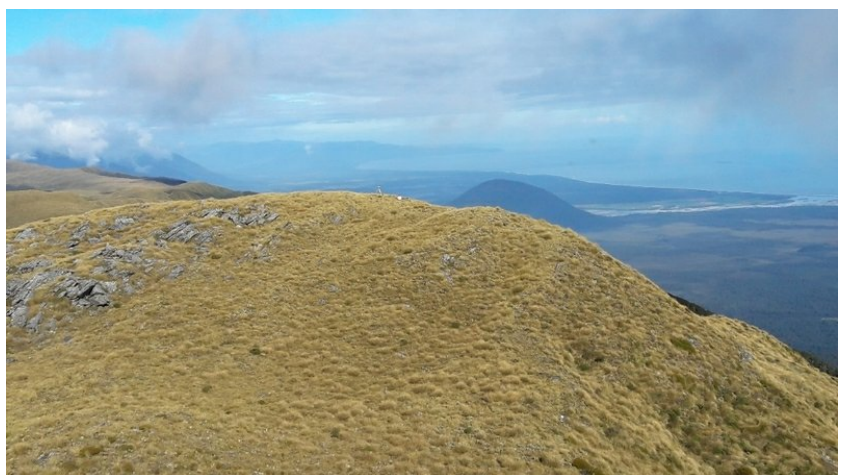


Photo of Immediate Site





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:	Rory Hart

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	DoC - West Coast Tai Poutini Conservancy
Phone	03 751 0807
Address	Main Road, PO Box 9, Fox Glacier,

Owner

Is the owner known?	Yes
First Name	-
Last Name	South Westland - Weheka Area Office
Address	Main Road, PO Box 9, Fox Glacier,
Phone	03 751 0807

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

B19T, 2018-03-23, 13:24, GNS39, 5144K79408, NetR9, Trimble

Geodetic Code	B19T
Station Name	Mt Smith

Deployment

Observer(s)	Jerry Simonsen, Rory Hart
GNSS Receiver	GNS39, 5144K79408, NetR9, Trimble
GNSS Antenna	GNS39, 1441138249, 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	1.237
2nd Notch Number	4
2nd Height	1.237
3rd Notch Number	1
3rd Height	1.236
Check Height Units	Decimal Inches
Check Height	48.64
Check Height Converted to Metres	1.2355

Start Time

Occupation Start Date (local)	2018-03-23
Occupation Start Time (local)	13:24
Occupation Start UTC	Fri, 23 Mar 2018 00:24:00 GMT
Year and DoY (UTC)	2018-082

Battery Details

Number of batteries deployed	One
ID of Battery 1	17I
Capacity of Battery 1 (Ahr)	34 Amp Hour
Voltage of Battery 1	12.93

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?	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	17I
Voltage of Battery 1 at Deployment	12.93

Voltage of Battery 1 at Retrieval	11.09
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End Time

Occupation End Date (local)	2018-03-29
Occupation End Time (local)	10:44
Occupation End UTC	Wed, 28 Mar 2018 21:44:00 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	No
Explain why not aligned north.	Approx bearing 030 degrees

Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	1
1st Height	1.236
2nd Notch Number	6
2nd Height	1.238
3rd Notch Number	4
3rd Height	1.238
Check Height Units	Decimal Inches
Check Height	48.76
Check Height Converted to Metres	1.2385
Average Height recorded at Deployment	1.2367

Plumbing

Bubble Centred?	No
Explain why bubble is not centred.	Off level at retrieval
Cross-hair on target?	No
Magnetic bearing from mark to cross-hair.	254
Distance in mm from mark to cross-hair	4
Explain why cross-hair is not on target.	Off plumb
Plummet Check OK?	Yes

EDS27 , 94080820.T02, 94080870.T02

Current Station	B19T - Mt Smith
Station Occupation times (UTC)	Start: 00:24 DoY 2018-082 UTC End: 21:44 DoY 2018-087 UTC
ID of Download Device	EDS27
Downloaded by:	Jerry Simonsen
Download Date	2018-03-29
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	94080820.T02
Latest File Name Downloaded	94080870.T02

Total number of files downloaded.	6
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Summary of Downloaded Files

Earliest Filenames Downloaded	94080820.T02
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Latest Filenames Downloaded	94080870.T02
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Numbers of files Downloaded	6
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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.
