

6714, JA Mt Fox

Project	2018 CSI GPS
Created	2018-01-09 15:51:28 NZDT by Neville Palmer
Updated	2018-05-23 16:21:02 NZST by GeodeticTwo Tectonophysics
Location	-43.49522531, 170.0012048
Status	■ Retrieved
Geodetic Code	6714
Station Name	JA Mt Fox
Station Height (m)	1032.7466
Station Height (ft)	3388

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. SS pin cemented into 2" galv pipe. Concrete collar set around pipe to stabilise (1994). (coke bottle is buried mark) Quadripod in good condition (28-2-98).

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

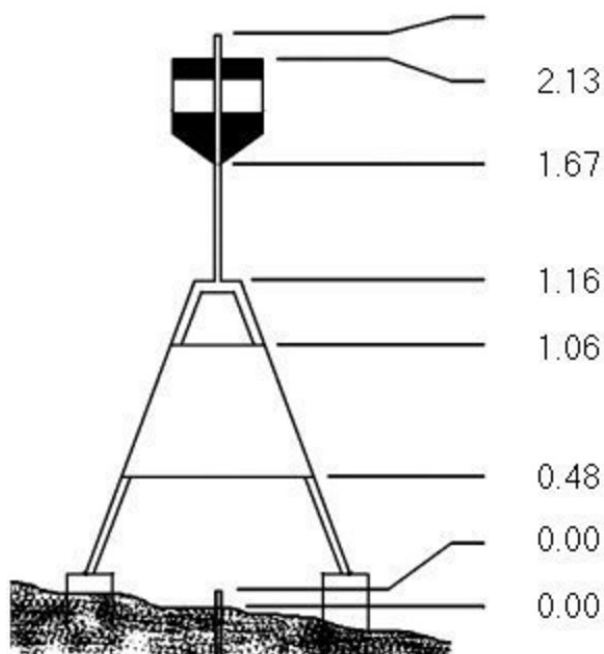
Protection

Primary Protection	2m Metal Beacon
Secondary Protection	No Protection

Beacon Details

Beacon Type	2m Metal Beacon, Clarke, Nelson, Gisborne
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Existing Beacon Diagram (read only).



Beacon Eccentricity

Previously Recorded Eccentricity	Central
Is Beacon Eccentric?	Beacon not central (by more than 0.01m) on arrival and departure from site
Bearing of Eccentricity.	345
Distance of Eccentricity (metres).	0.02

Height Details (all in metres)

Mark Ground Level Relationship in metres (+ve below GL / -ve above GL)	0.32
Top of Vane or Black Strip	2.13
Bottom of Vane or Black Strip	1.67
Top of Head or Apex	1.16
Top of Side Panels	1.06
Bottom of Side Panels	0.48

Maintenance Completed and Required

Mark Maintenance Completed	No
Beacon Maintenance Completed	No
Protection Maintenance Completed	No
Mark Maintenance Required	No
Beacon Maintenance Required	Yes
Description	Needs re plumbing
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	By helicopter. Helicopter pad 50m east from trig becoming overgrown.
Access vehicle	Heli
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	Weak but reliable signal
Vodafone	Weak but reliable signal
2 Degrees	Network signal not tested

Verification

Have all site & access fields above been updated or verified to be correct?	Yes
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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

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact

No Ownership Details Recorded

Address

No Ownership Details Recorded

Contact Comments

Access permission restrictions (to report in LINZ GDB)

No Reported Access Restrictions

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

Access Contact

Is the access contact person known?

Same as site contact

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

6714, 2018-03-22, 15:56, GNS51, 3022359, PolaRx5, Septentrio

Geodetic Code	6714
Station Name	JA Mt Fox

Deployment

Observer(s)	Cyril Joureau, Neville Palmer
GNSS Receiver	GNS51, 3022359, PolaRx5, Septentrio
GNSS Antenna	GNT03, 30260401, Zephyr Geodetic 2, Trimble
Antenna radome used?	NONE

Plumbing

Antenna Mount or Monument	Nelson Beacon
Set-up using a rotating optical plummet?	Yes
Bubble Centred?	Yes
Cross-hair on target?	No
Magnetic bearing from mark to cross-hair.	345
Distance in mm from mark to cross-hair.	3
Explain why cross-hair is not on target.	Nelson Beacon not plumb
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 Antenna (Vertical)
1st Height	1.237
Check Height Units	Decimal Inches
Check Height	48.7
Check Height Converted to Metres	1.237

Start Time

Occupation Start Date (local)	2018-03-22
Occupation Start Time (local)	15:56
Occupation Start UTC	Thu, 22 Mar 2018 02:56:00 GMT
Year and DoY (UTC)	2018-081

Battery Details

Number of batteries deployed	One
ID of Battery 1	17Q
Capacity of Battery 1 (Ahr)	34 Amp Hour
Voltage of Battery 1	12.67
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	17Q
Voltage of Battery 1 at Deployment	12.67
Voltage of Battery 1 at Retrieval	5.06

End Time

Occupation End Date (local)	2018-03-28
Occupation End Time (local)	14:09
Occupation End UTC	Wed, 28 Mar 2018 01:09:00 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 Antenna (Vertical)
1st Height	1.237
Check Height Units	Decimal Inches
Check Height	48.69
Check Height Converted to Metres	1.2367
Average Height recorded at Deployment	1.237

Plumbing

Bubble Centred?	No
Explain why bubble is not centred.	Off level
Cross-hair on target?	No
Magnetic bearing from mark to cross-hair.	333
Distance in mm from mark to cross-hair	4
Explain why cross-hair is not on target.	Off plumb
Plummet Check OK?	Yes

EDS27, 19280810.18_.gz, 19280860.18_.gz

Current Station	6714 - JA Mt Fox
Station Occupation times (UTC)	Start: 02:56 DoY 2018-081 UTC End: 01:09 DoY 2018-087 UTC
ID of Download Device	EDS27
Downloaded by:	Rory Hart
Download Date	2018-03-28
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	19280810.18_.gz
Latest File Name Downloaded	19280860.18_.gz
Total number of files downloaded.	6

Summary of Downloaded Files

Earliest Filenames Downloaded	19280810.18_.gz
Latest Filenames Downloaded	19280860.18_.gz
Numbers of files Downloaded	6

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.