

4036, A (Pukaki West SD)

Project	2018 CSI GPS
Created	2018-01-09 15:51:24 NZDT by Neville Palmer
Updated	2018-02-15 22:55:47 NZDT by Neville Palmer
Location	-44.14076307, 170.111921
Status	 Retrieved
Geodetic Code	4036
Station Name	A (Pukaki West SD)
Station Height (m)	664.5382
Station Height (ft)	2180

Mark, Site & Photo Details

Mark & Protection Details

Mark Physical State	Reliable / Found
Mark Description	This mark is used for deformation monitoring, do not alter the ground mark in any way. Brass plaque in concrete pillar.

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

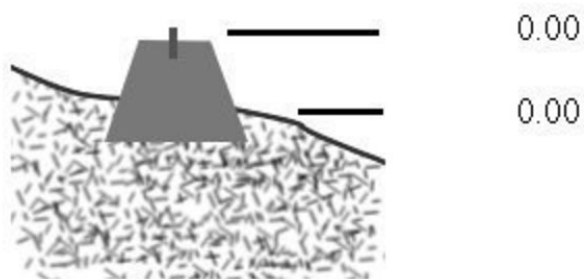
Protection

Primary Protection	Not Specified
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Beacon Details

Beacon Type	Pillar
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Existing Beacon Diagram (read only).



Height Details (all in metres)

Mark Ground Level Relationship in metres (+ve below GL / -ve above GL)	0
Top of Mast or Pillar	-1.205

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	Pillar black strip missing
Protection Maintenance Required	No

Verification

Have all mark and protection fields above been updated or verified to be correct?	No
What mark & protection details are unverified or incomplete and why?	Height to black strip not tied in because it is missing

Site & Access Details

Diagram

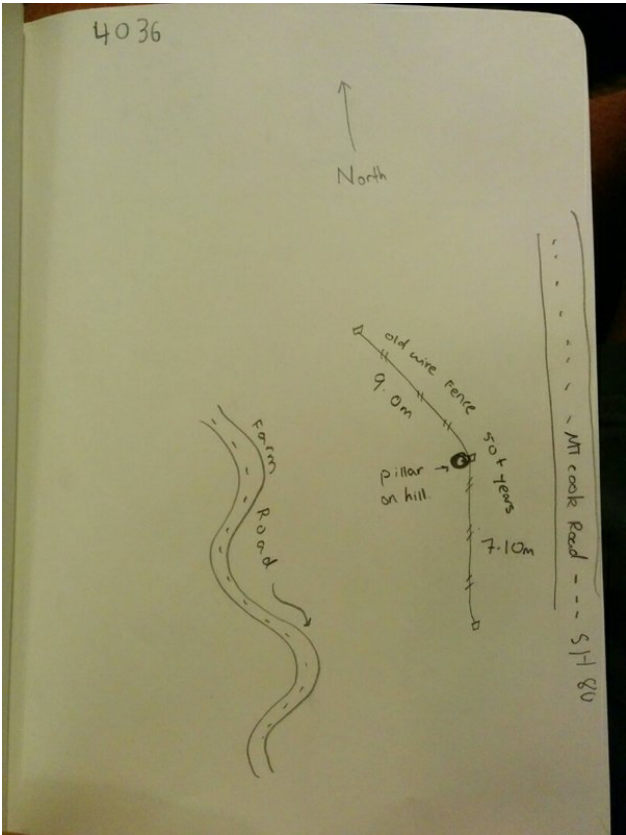


Diagram Notes	See GPS track from lotus map
Access and Location Description	Enter Pukaki Downs property on west side of SH 80, 3.7 km north of turnoff from SH 8. Drive past main house & out buildings on left. Go through gate on RHS of woolshed (may be locked). Take hard right after gate and follow track at base of ridge. ~50m through 2nd gate, 500m after that a 3rd gate & 100m after that a 4th gate. Continue ~900m, just before large triangular rock outcropping turn right and ~400m straight up hill. At top of hill follow fence line north ~300m to pillar.
Additional access notes (GNS use only)	See locus map GPS track
Access vehicle	4WD
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	Strong signal
Vodafone	Strong signal

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:	Chris Pearson

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)	Contact in advance to sure gate by woolshed is unlocked. Could potentially walk directly from closest point on Sh 80 (at least 20min walk).
Additional comments relating to owner or contact details. (GNS use only.)	Or 03 435 3241 (Alternate contact lives across road - Ethan 027 271 5330)

Owner

Is the owner known?	Yes
First Name	Blake
Last Name	Foster
Phone	03 435 0150
Email	c.blake.foster@gmail.com

Site Contact

Is the site contact person known?	Same as owner
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Access Contact

Is the access contact person known?	Yes
First Name	Ethan
Last Name	Gabriel
Position (eg owner, manager, lessee, tenant, etc)	Manager
Mobile Phone	0272715330
Email	Ethangabriel108@yahoo.com

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:	Chris Pearson

Occupations

4036, 2018-01-26, 12:18, GNS48, 5451R50047, NetR9, Trimble

Geodetic Code	4036
Station Name	A (Pukaki West SD)

Deployment

Observer(s)	Chris Pearson, Isaac Brennan
GNSS Receiver	GNS48, 5451R50047, NetR9, Trimble
GNSS Antenna	GNS48, 1312118477, Zephyr Geodetic 2, Trimble
Antenna radome used?	NONE

Plumbing

Antenna Mount or Monument	Pillar Spider
Set-up using a rotating optical plummet?	Yes
Bubble Centred?	Yes
Cross-hair on target?	Not Checked

Explain why cross-hair is not on target.	Optics cannot focus. Centered by eye
Plummet Check OK?	Yes

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	22
Compass should read (magnetic bearing)	338
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Antenna (Vertical)
1st Height	0.124
Check Height Units	Decimal Inches
Check Height	4.8
Check Height Converted to Metres	0.1219

Start Time

Occupation Start Date (local)	2018-01-26
Occupation Start Time (local)	12:18
Occupation Start UTC	Thu, 25 Jan 2018 23:18:00 GMT
Year and DoY (UTC)	2018-025

Battery Details

Number of batteries deployed	One
ID of Battery 1	17j
Capacity of Battery 1 (Ahr)	38 Amp Hour
Voltage of Battery 1	12.8

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

Retrieval

Observer(s)	Chris Pearson, Isaac Brennan
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	17j
Voltage of Battery 1 at Deployment	12.8
Voltage of Battery 1 at Retrieval	11.48

End Time

Occupation End Date (local)	2018-01-30
Occupation End Time (local)	10:53
Occupation End UTC	Mon, 29 Jan 2018 21:53:00 GMT
Year and DoY (UTC)	2018-029

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	22
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Compass should read (magnetic bearing)	338
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Antenna (Vertical)
1st Height	0.124
Check Height Units	Decimal Inches
Check Height	4.9
Check Height Converted to Metres	0.1245
Average Height recorded at Deployment	0.124

Plumbing

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

Gns03, 00470250.T02, 00470290.T02

Current Station	4036 - A (Pukaki West SD)
Station Occupation times (UTC)	Start: 23:18 DoY 025 UTC End: 21:53 DoY 029 UTC
ID of Download Device	Gns03
Download Date	2018-01-30
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	00470250.T02
Latest File Name Downloaded	00470290.T02
Total number of files downloaded.	5

Summary of Downloaded Files

Earliest Filenames Downloaded	00470250.T02
Latest Filenames Downloaded	00470290.T02
Numbers of files Downloaded	5

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.