

AF5N, Trojan Stream

Project	2018 CSI GPS
Created	2018-01-09 15:51:39 NZDT by Neville Palmer
Updated	2018-03-30 15:52:22 NZDT by Neville Palmer
Location	-43.57284481, 170.6919557
Status	■ Retrieved
Geodetic Code	AF5N
Station Name	Trojan Stream
Station Height (m)	1390.5287
Station Height (ft)	4562

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.

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

Location Two Thumb Range near North East Gorge Stream located on top of a ridge of bedrock on the true right (north) side of the Trojan Stream at the top of the obvious waterfall 0.5km NE of the junction of Trojan and NE Gorge Streams. The 10m SW of a 2*2*2m block. It is not located on a prominent large outcrop which is undercut by the stream, instead it is located on a smaller outcrop which is undercut by the stream. The pin protrudes 0.5cm. A helicopter 500D or smaller can land just above the station to the North. To locate fly up Gorge Stream and look for a prominent waterfall formed by a creek flowing over a dark band of rock. This is the only waterfall near the headwaters of the Gorge Stream.

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



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?	No - I have no intention of updating or verifying this info.

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	Lilybank Station
Phone	03 680 6522 (or 6533?)

Owner

Is the owner known?	Yes
First Name	DoC

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

AF5N, 2018-03-28, 15:48, GNS12, 0440103874, 5700, Trimble

Geodetic Code	AF5N
Station Name	Trojan Stream

Deployment

Observer(s)	Cyril Joureau, Neville Palmer
GNSS Receiver	GNS12, 0440103874, 5700, Trimble
GNSS Antenna	GNST17, 12482226, 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	5
1st Height	1.148
2nd Notch Number	8
2nd Height	1.147
3rd Notch Number	3

3rd Height	1.148
Check Height Units	Decimal Inches
Check Height	45.2
Check Height Converted to Metres	1.1481

Start Time

Occupation Start Date (local)	2018-03-28
Occupation Start Time (local)	15:48
Occupation Start UTC	Wed, 28 Mar 2018 02:48:00 GMT
Year and DoY (UTC)	2018-087

Battery Details

Number of batteries deployed	One
ID of Battery 1	17H
Capacity of Battery 1 (Ahr)	34 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)	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	17H
Voltage of Battery 1 at Deployment	12.8
Voltage of Battery 1 at Retrieval	12.18

End Time

Occupation End Date (local)	2018-03-30
Occupation End Time (local)	12:18
Occupation End UTC	Thu, 29 Mar 2018 23:18:00 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	5
1st Height	1.148
2nd Notch Number	8
2nd Height	1.146
3rd Notch Number	3

3rd Height	1.147
Check Height Units	Decimal Inches
Check Height	45.19
Check Height Converted to Metres	1.1478
Average Height recorded at Deployment	1.1477

Plumbing

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

Nev's phone, 38740870.t01, 38740880.t01

Current Station	AF5N - Trojan Stream
Station Occupation times (UTC)	Start: 02:48 DoY 2018-087 UTC End: 23:18 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	38740870.t01
Latest File Name Downloaded	38740880.t01
Total number of files downloaded.	2

Summary of Downloaded Files

Earliest Filenames Downloaded	38740870.t01
Latest Filenames Downloaded	38740880.t01
Numbers of files Downloaded	2

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.