

6740, Stevensons Tarn (IGNS)

Project	2018 CSI GPS
Created	2018-01-09 15:51:34 NZDT by Neville Palmer
Updated	2018-05-24 16:33:21 NZST by GeodeticTwo Tectonophysics
Location	-43.81595354, 170.2932815
Status	■ Retrieved
Geodetic Code	6740
Station Name	Stevensons Tarn (IGNS)
Station Height (m)	2025.5021
Station Height (ft)	6645

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. 12mm dia. stainless steel pin grouted into rock. Four reference marks surround the pin (3x 12mm SS Pins & 1x nail.)

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	By Helicopter. At head of Landslip Creek, on top of rocky knoll, to the east of the mouth of Stevenson's Tarn. Good landing spot just east of the knoll. The mark is ~1.5m west of the highest point of the rocky knoll and ~1.5m east of the nail.
Access vehicle	Heli
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	Strong 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?	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	Landcorp
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Contact Comments

Access permission restrictions (to report in LINZ GDB)	Permit Required
Land Designation	Braemar Conservation Area

Owner

Is the owner known?	Yes
Organisation or property 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

6740, 2018-03-25, 11:32, GNS29, 0220389869, R7, Trimble

Geodetic Code	6740
Station Name	Stevensons Tarn (IGNS)

Deployment

Observer(s)	Cyril Joureau, Neville Palmer
GNSS Receiver	GNS29, 0220389869, R7, Trimble
GNSS Antenna	GNS29, 60154538, 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	1.06
2nd Notch Number	7
2nd Height	1.06
3rd Notch Number	2
3rd Height	1.06
Check Height Units	Decimal Inches
Check Height	41.73
Check Height Converted to Metres	1.0599

Start Time

Occupation Start Date (local)	2018-03-25
Occupation Start Time (local)	11:32
Occupation Start UTC	Sat, 24 Mar 2018 22:32:00 GMT
Year and DoY (UTC)	2018-083

Battery Details

Number of batteries deployed	One
ID of Battery 1	17S
Capacity of Battery 1 (Ahr)	34 Amp Hour
Voltage of Battery 1	12.89

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

2018-05-24

Geodetic Code	6740
Occupation Period	2018-083_2018-086
Event logged by:	Rory Hart
Event Date	2018-05-24
Event Time	04:32
UTC time	Wed, 23 May 2018 16:32:00 GMT
Year and DoY (UTC)	2018-143
Event Comments	Tripod knocked over. Used deployment values for RINEX processing.

Retrieval

Observer(s)	Cyril Joureau, Neville Palmer
Was receiver logging on arrival?	No
Explain why receiver was not logging (eg Flat battery)	Tripod knocked over by wind.

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	17S
Voltage of Battery 1 at Deployment	12.89
Voltage of Battery 1 at Retrieval	12.09

End Time

Occupation End Date (local)	2018-03-28
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Occupation End Time (local)	10:17
Occupation End UTC	Tue, 27 Mar 2018 21:17:00 GMT
Year and DoY (UTC)	2018-086

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.	Knocked over

Antenna Height

Height Measured To	Not Measured
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Plumbing

Bubble Centred?	Not Checked
Explain why bubble is not centred.	Knocked over
Cross-hair on target?	Not Checked
Explain why cross-hair is not on target.	Knocked over
Plummet Check OK?	Not Checked
Explain why plummet check is not OK.	Knocked over

Nev's phone, 98690830.t01, 98690860.t01

Current Station	6740 - Stevensons Tarn (IGNS)
Station Occupation times (UTC)	Start: 22:32 DoY 2018-083 UTC End: 0000 DoY 0NaN-NaN UTC
ID of Download Device	Nev's phone
Downloaded by:	Neville Palmer
Download Date	2018-03-28
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	98690830.t01
Latest File Name Downloaded	98690860.t01
Total number of files downloaded.	4

Summary of Downloaded Files

Earliest Filenames Downloaded	98690830.t01
Latest Filenames Downloaded	98690860.t01
Numbers of files Downloaded	4

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.