

1104, Tuhawaiki

Project	2018 CSI GPS
Created	2018-01-09 15:51:21 NZDT by Neville Palmer
Updated	2018-05-15 14:09:57 NZST by GeodeticOne Tectonophysics
Location	-44.44293454, 171.2582456
Status	 Retrieved
Deployment Status Comment	Please phone before
Geodetic Code	1104
Station Name	Tuhawaiki
Station Height (m)	26.7064
Station Height (ft)	88

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 grouted in 50mm iron tube set in concrete. ID plaque attached to concrete.

Plates & Plaques

ID Plaque (bronze)	ID Plaque Exists
ID Plate (aluminium)	ID Plate Exists
Information Plate (aluminium)	Info Plate does Not Exist and was Not Installed

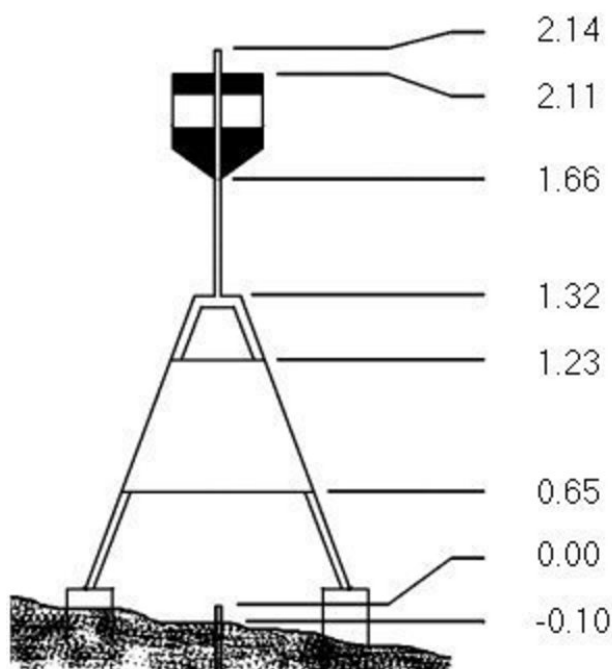
Protection

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?	Central on arrival and departure from site

Height Details (all in metres)

Mark Ground Level Relationship in metres (+ve below GL / -ve above GL)	-0.1
Top of Mast or Pillar	2.13
Top of Vane or Black Strip	2.11
Bottom of Vane or Black Strip	1.66
Top of Head or Apex	1.32
Top of Side Panels	1.23
Bottom of Side Panels	0.65

Maintenance Completed and Required

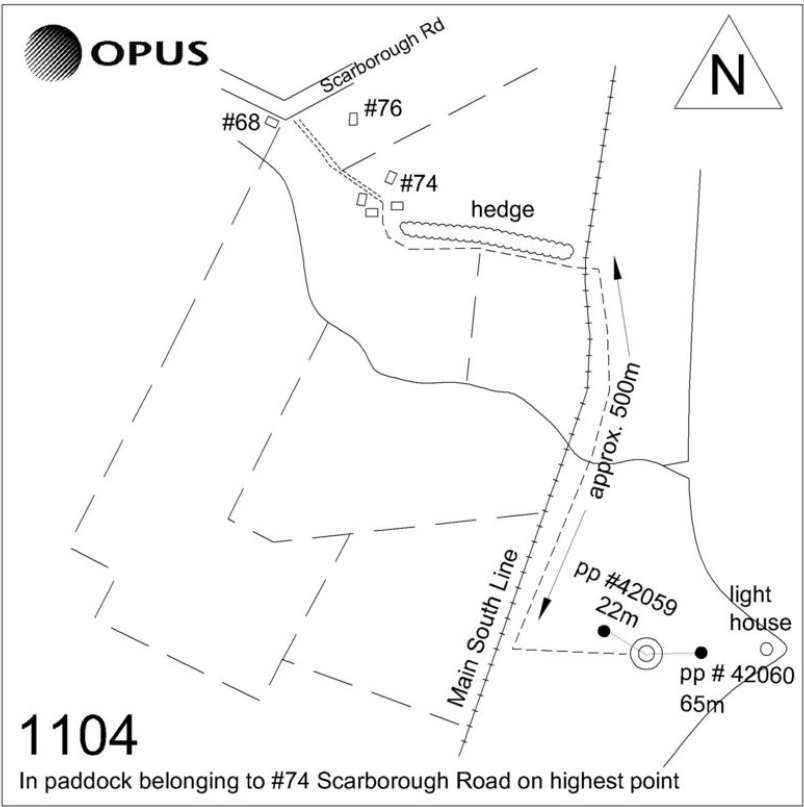
Mark Maintenance Completed	No
Beacon Maintenance Completed	No
Protection Maintenance Completed	No
Mark Maintenance Required	No
Beacon Maintenance Required	Yes
Description	Vane pole is bent and needs straightening. U-bolts on legs need tightening.
Protection Maintenance Required	No

Verification

Have all mark and protection fields above been updated or verified to be correct? Yes

Site & Access Details

Diagram



Access and Location Description

Turn down driveway of #74 and #76 Scarborough Road. Travel along sealed drive off Scarborough Road, past Homestead and 2nd house (#74). Turn right between sheds . Follow main track to left for approx 50m. Then just before gate turn right onto minor track through shelter belt. Follow into gully and back up to almost the high point of track. Turn left across paddock to gate onto train tracks. park at gate. Walk across train tracks and to trig in middle of paddock. Trig is located eastwards in paddock at highest point towards the light house.

Access vehicle	4WD
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	Strong signal
Vodafone	Strong signal
2 Degrees	Network signal not tested

Verification

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

Photographs

Existing Photo or Site Image

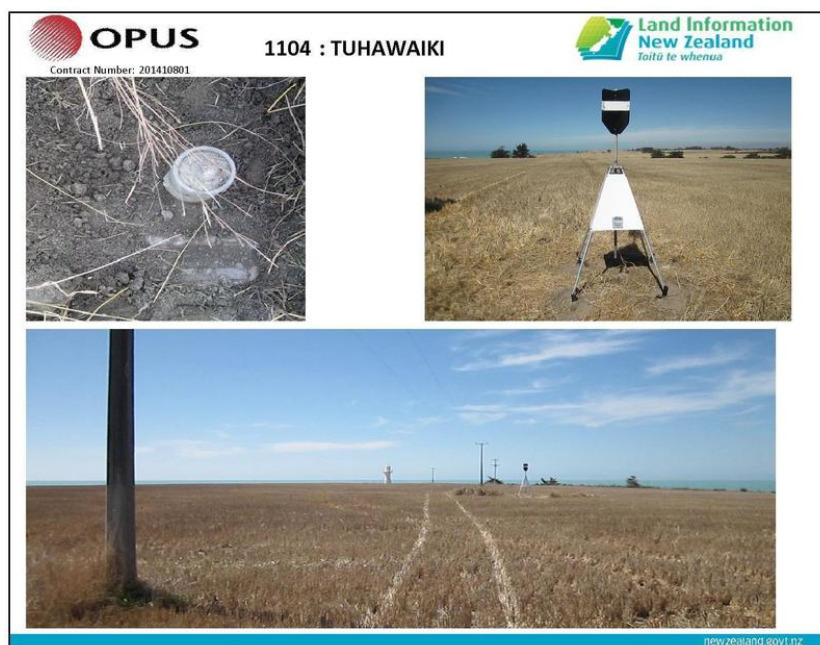


Photo of Survey Mark



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:	Neville Palmer, Cyril Joureau

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	Mr Andrew Gray
Phone	03 684 7889

Address	74 Scarborough Road
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Contact Comments

Access permission restrictions (to report in LINZ GDB)	Contact owner before entering
Land Designation	Husband, Andrew, has passed away. Marilyn is currently leasing the land March 2018.

Owner

Is the owner known?	Yes
First Name	Marilyn
Last Name	Gray
Position (eg owner, manager, lesee, tenant, etc)	Owner
Address	74 Scarborough Rd, RD 1 Timaru
Phone	03 684 7889

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

1104, 2018-03-26, 11:57, GNS32, 0220389880, R7, Trimble

Geodetic Code	1104
Station Name	Tuhawaiki

Deployment

Observer(s)	Cyril Joureau, Neville Palmer
GNSS Receiver	GNS32, 0220389880, R7, Trimble
GNSS Antenna	GNS32, 60162784, Zephyr Geodetic, 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?	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 Antenna (Vertical)
1st Height	1.404
Check Height Units	Decimal Inches
Check Height	55.27
Check Height Converted to Metres	1.4039

Start Time

Occupation Start Date (local)	2018-03-26
Occupation Start Time (local)	11:57
Occupation Start UTC	Sun, 25 Mar 2018 22:57:00 GMT
Year and DoY (UTC)	2018-084

Battery Details

Number of batteries deployed	One
ID of Battery 1	15I
Capacity of Battery 1 (Ahr)	34 Amp Hour
Voltage of Battery 1	12.74

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	15I
Voltage of Battery 1 at Deployment	12.74
Voltage of Battery 1 at Retrieval	11.59

End Time

Occupation End Date (local)	2018-03-30
Occupation End Time (local)	16:57
Occupation End UTC	Fri, 30 Mar 2018 03:57:00 GMT
Year and DoY (UTC)	2018-089

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	1.404
Check Height Units	Decimal Inches
Check Height	55.25
Check Height Converted to Metres	1.4033
Average Height recorded at Deployment	1.404

Plumbing

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

Nev's phone, 98800840.t01, 98800890.t01

Current Station	1104 - Tuhawaiki
Station Occupation times (UTC)	Start: 22:57 DoY 2018-084 UTC End: 03:57 DoY 2018-089 UTC
ID of Download Device	Nev's phone
Downloaded by:	Neville Palmer
Download Date	2018-03-30
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	98800840.t01
Latest File Name Downloaded	98800890.t01
Total number of files downloaded.	6

Summary of Downloaded Files

Earliest Filenames Downloaded	98800840.t01
Latest Filenames Downloaded	98800890.t01
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.