

1107, E Chastleton

Project	2018 CSI GPS
Created	2018-01-09 15:51:21 NZDT by Neville Palmer
Updated	2018-05-23 16:48:42 NZST by GeodeticTwo Tectonophysics
Location	-44.12228223, 170.9204418
Status	 Retrieved
Geodetic Code	1107
Station Name	E Chastleton
Station Height (m)	593.6501
Station Height (ft)	1948

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. SS Pin in 50mm IT 5cm above ground

Plates & Plaques

ID Plaque (bronze)	ID Plaque does Not Exist and was Not Installed
ID Plate (aluminium)	ID Plate Installed during this visit
Information Plate (aluminium)	Info Plate does Not Exist and was Not Installed

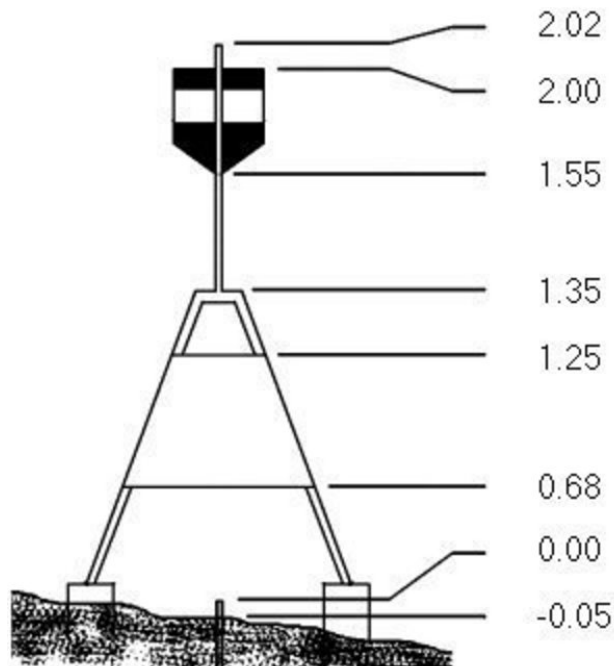
Protection

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	46°50' 0.02
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)	-0.05
Top of Vane or Black Strip	2
Bottom of Vane or Black Strip	1.55
Top of Head or Apex	1.35
Top of Side Panels	1.25
Bottom of Side Panels	0.68

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	Pannel needs paint
Protection Maintenance Required	No

Verification

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

Site & Access Details

Diagram

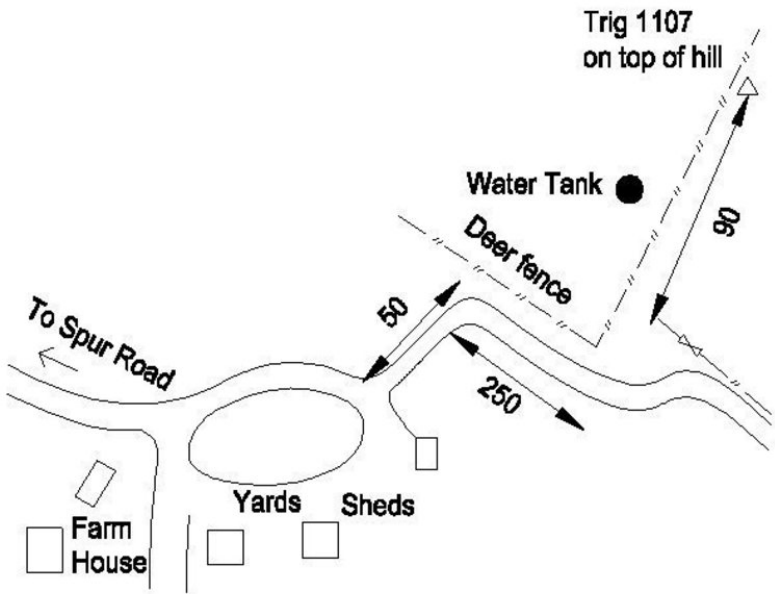


Diagram Notes	See locus map track
Access and Location Description	3 km NE of Fairlie turn SE onto Tondros Road off SH79 (0.0km). 0.9km Turn left onto Spur Rd. 6.7km Turn left into driveway #611 "The Run - GD & AM Marshall". 7.0km Take left fork past house. 7.1km Through gate and turn left. 7.2km Turn left again by stock yard. 7.4km Turn left off track. Continue through gate and paddocks ~150m to trig.

Verification

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

Photographs

Existing Photo or Site Image

1107 – E CHASTLETON



Contract Number: RFQ13D01



newzealand.govt.nz

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	Gregory & Ange Marshall
Phone	03 685 8305
Address	Spur Road, Middle Valley, Fairlie,

Contact Comments

Access permission restrictions (to report in LINZ GDB)	Stay on farm track and do not drive last 100m through paddock to trig. Can walk 500m from farmhouse if no 4WD available.
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Owner

Is the owner known?	Yes
First Name	Gregory & Ange
Last Name	Marshall
Address	Spur Road, Middle Valley, Fairlie,
Phone	03 685 8305
Mobile Phone	027 309 0196

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:	Chris Pearson

Occupations

1107, 2018-01-27, 12:34, GNS35, 5130K77167, NetR9, Trimble

Geodetic Code	1107
Station Name	E Chastleton

Deployment

Observer(s)	Chris Pearson, Isaac Brennan
GNSS Receiver	GNS35, 5130K77167, NetR9, Trimble
GNSS Antenna	GNS35, 1441137889, 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.	20
Distance in mm from mark to cross-hair.	4.5
Explain why cross-hair is not on target.	Eccentric Nelson beacon.
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	1.417
Check Height Units	Decimal Inches
Check Height	55.8
Check Height Converted to Metres	1.4173

Start Time

Occupation Start Date (local)	2018-01-27
Occupation Start Time (local)	12:34
Occupation Start UTC	Fri, 26 Jan 2018 23:34:00 GMT
Year and DoY (UTC)	2018-026

Battery Details

Number of batteries deployed	One
ID of Battery 1	12h
Capacity of Battery 1 (Ahr)	24 Amp Hour
Voltage of Battery 1	12.7
This site is being deployed with multiple batteries. Please comment with all relevant details of the batteries deployed.	

2018-05-23

Geodetic Code	1107
Occupation Period	2018-026_2018-031
Event logged by:	Rory Hart
Event Date	2018-05-23
Event Time	04:45
UTC time	Tue, 22 May 2018 16:45:00 GMT
Year and DoY (UTC)	2018-142
Event Comments	Tribach disturbed during takedown, Deployment values used in RINEX header.

Retrieval

Observer(s)	Chris Pearson, Isaac Brennan
Was receiver logging on arrival?	No
Explain why receiver was not logging (eg Flat battery)	Flat bat

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	12h
Voltage of Battery 1 at Deployment	12.7
Voltage of Battery 1 at Retrieval	11.33

End Time

Occupation End Date (local)	2018-01-31
Occupation End Time (local)	14:11
Occupation End UTC	Wed, 31 Jan 2018 01:11:00 GMT
Year and DoY (UTC)	2018-031

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	1.416
Check Height Units	Decimal Inches
Check Height	55.75
Check Height Converted to Metres	1.4161
Average Height recorded at Deployment	1.417

Plumbing

Bubble Centred?	No
Explain why bubble is not centred.	Setup was level on arrival from tribach bubble)but disturbed (2 div to s) while measuring height. Reaves an measured takedown offset.
Cross-hair on target?	No
Magnetic bearing from mark to cross-hair.	20
Distance in mm from mark to cross-hair	0.006
Explain why cross-hair is not on target.	Eds Nelson plus possible. Disturbance during takedown
Plummet Check OK?	Yes

Gns3, 5130K77167201801262300B.T02, 5130K77167201801300700B.T02

Current Station	1107 - E Chastleton
Station Occupation times (UTC)	Start: 23:34 DoY 2018-026 UTC End: 01:11 DoY 2018-031 UTC
ID of Download Device	Gns3
Downloaded by:	Chris Pearson
Download Date	2018-01-31
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	5130K77167201801262300B.T02
Latest File Name Downloaded	5130K77167201801300700B.T02

Total number of files downloaded.	81
Optional Comment	High rate

Summary of Downloaded Files

Earliest Filenames Downloaded	5130K77167201801262300B.T02
Latest Filenames Downloaded	5130K77167201801300700B.T02
Numbers of files Downloaded	81

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.