

1094, M MT HARRIS

Project	2018 CSI GPS
Created	2018-01-09 15:51:20 NZDT by Neville Palmer
Updated	2018-05-23 16:06:10 NZST by GeodeticTwo Tectonophysics
Location	-44.83031885, 170.9645621
Status	■ Retrieved
Deployment Status Comment	Take photos on retrieval. Check beacon heights.
Geodetic Code	1094
Station Name	M MT HARRIS
Station Height (m)	292.0031
Station Height (ft)	958

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. 50mm IT with stainless steel pin cemented in ID plaque and plate attached.
Additional mark or site notes (GNS use only)	Beacon attached with SS turnbuckles.

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

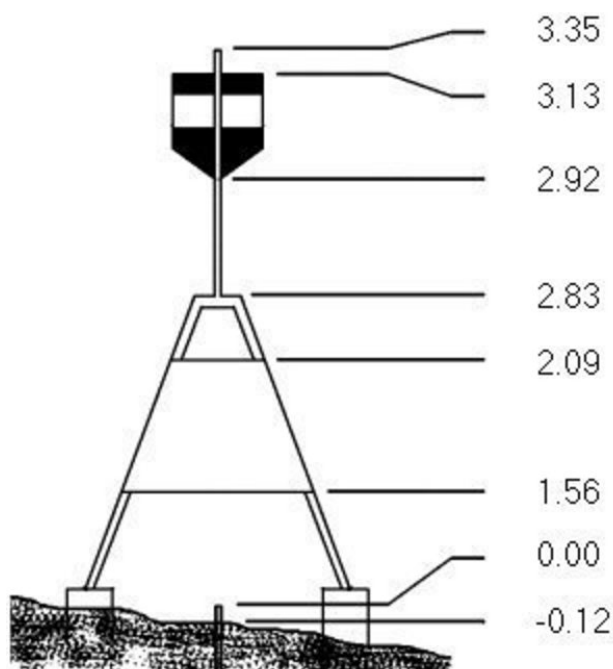
Protection

Primary Protection	3m or 4m Beacon
Secondary Protection	No Protection

Beacon Details

Beacon Type	3m or 4m Wooden Beacon
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Existing Beacon Diagram (read only).



Beacon Eccentricity

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)	-0.12
Top of Vane or Black Strip	3.34
Bottom of Vane or Black Strip	2.92
Top of Head or Apex	2.83
Top of Side Panels	2.09
Bottom of Side Panels	1.56

Maintenance Completed and Required

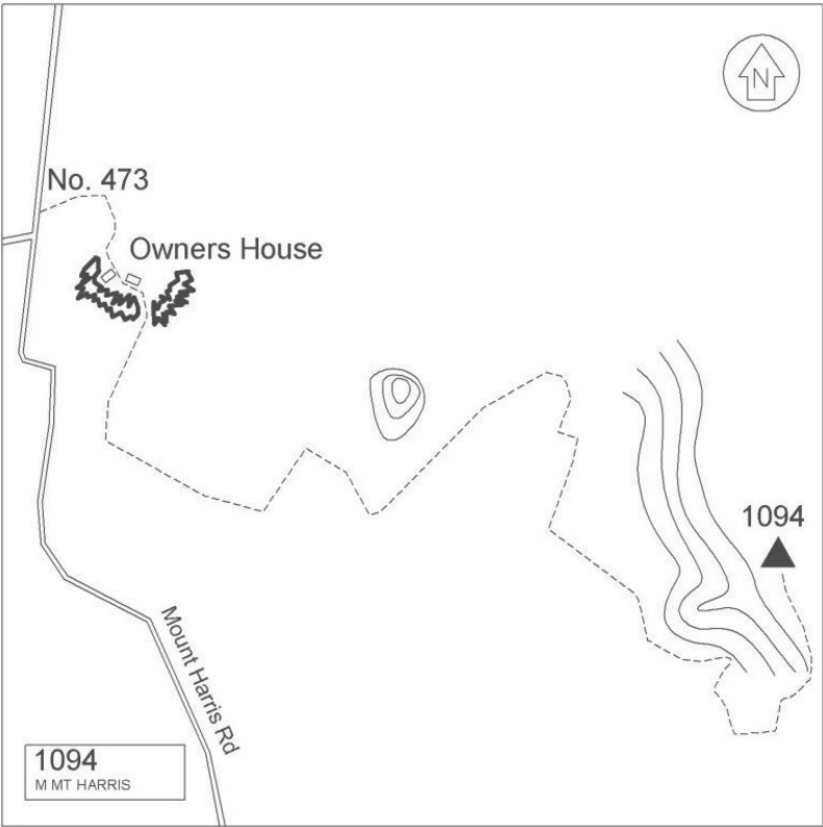
Mark Maintenance Completed	No
Beacon Maintenance Completed	No
Protection Maintenance Completed	No
Mark Maintenance Required	No
Beacon Maintenance Required	No
Protection Maintenance Required	No

Verification

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

Site & Access Details

Diagram



Access and Location Description

Turn off SH82 on to Mt Harris Road. Travel along road for 5km to the Mt Harris Station. From Mt Harris homestead off Mt Harris Road. Follow driveway past deer yards and on past house to a large deer gate at start of race. Go through and follow track between paddocks to bottom where the track splits. Follow track right, past small pond on left and dumped vehicle bodies to large double wooden gate. Go through and trend diagonally across paddock to another gate. Through this and head up hill to southern end of knob, that the trig beacon is visible on. A track runs round the back of hill (East side) . Stop here and walk 4 min, or just before the beacon, turn off track up gentle gully to fenceline and drive to trig.

Access vehicle	4WD
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	Strong signal
Vodafone	No signal or unreliable signal
2 Degrees	Weak but reliable signal

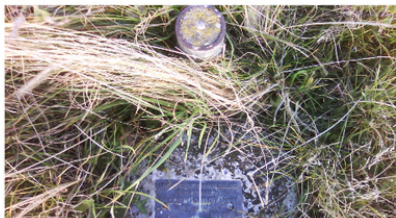
Verification

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

Photographs

1094 – M MT HARRIS

Contract Number: Waimate 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:	Paul Denys, Jean-Louis Morrison

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	C J & J S Pankhurst
Phone	36892244
Address	Mt Harris Rd Waihao Downs Waimate

Owner

Is the owner known?	Yes
First Name	Steve
Last Name	Monk
Phone	06 6892887

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?	No
What owner or contact details are unverified or incomplete and why?	Site owner
Have any owner or contact details been updated or verified?	Yes - All details have been fully updated or verified.
Updated by:	Paul Denys

Occupations

1094, 2018-01-24, 12:10, OU12, 0220310074, 5700, Trimble

Geodetic Code	1094
Station Name	M MT HARRIS

Deployment

Observer(s)	Paul Denys, Jean-Louis Morrison
GNSS Receiver	OU12, 0220310074, 5700, Trimble
GNSS Antenna	OU12, 12467678, 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	6
1st Height	0.984
2nd Notch Number	3
2nd Height	0.984
3rd Notch Number	8
3rd Height	0.984
Check Height Units	Decimal Feet
Check Height	3.228
Check Height Converted to Metres	0.9839

Start Time

Occupation Start Date (local)	2018-01-24
Occupation Start Time (local)	12:10
Occupation Start UTC	Tue, 23 Jan 2018 23:10:00 GMT
Year and DoY (UTC)	2018-023

Battery Details

Number of batteries deployed	One
ID of Battery 1	OU 17A
Capacity of Battery 1 (Ahr)	24 Amp Hour
Voltage of Battery 1	12.9

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

2018-01-24

Geodetic Code	1094
Occupation Period	2018-023_2018-027
Event logged by:	Paul Denys
Event Date	2018-01-24
Event Time	12:13
UTC time	Tue, 23 Jan 2018 23:13:00 GMT
Year and DoY (UTC)	2018-023
Event Comments	Tribac has it own optical plummet. Have used this plummet rather than the Sokkia

Retrieval

Observer(s)	Jean-Louis Morrison, Paul Denys
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	OU 17A
Voltage of Battery 1 at Deployment	12.9
Voltage of Battery 1 at Retrieval	13.5

End Time

Occupation End Date (local)	2018-01-28
Occupation End Time (local)	12:05
Occupation End UTC	Sat, 27 Jan 2018 23:05:00 GMT
Year and DoY (UTC)	2018-027

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 Notch (Slant)
1st Notch Number	3
1st Height	0.983
2nd Notch Number	6
2nd Height	0.983
3rd Notch Number	1
3rd Height	0.983
Check Height Units	Decimal Feet
Check Height	3.226
Check Height Converted to Metres	0.9833
Average Height recorded at Deployment	0.984

Plumbing

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

HP Laptop (Paul Denys, 00740240.t01, 00740270.t01)

Current Station	1094 - M MT HARRIS
Station Occupation times (UTC)	Start: 23:10 DoY 2018-023 UTC End: 23:05 DoY 2018-027 UTC
ID of Download Device	HP Laptop (Paul Denys)
Downloaded by:	Paul Denys
Download Date	2018-01-28
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	00740240.t01
Latest File Name Downloaded	00740270.t01
Total number of files downloaded.	4

Summary of Downloaded Files

Earliest Filenames Downloaded	00740240.t01
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Latest Filenames Downloaded	00740270.t01
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Numbers of files Downloaded	4
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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.