

AADG, E Butler Downs

Project	2018 CSI GPS
Created	2018-01-09 15:51:37 NZDT by Neville Palmer
Updated	2018-05-17 15:51:33 NZST by GeodeticOne Tectonophysics
Location	-43.69603932, 170.9341731
Status	■ Retrieved
Geodetic Code	AADG
Station Name	E Butler Downs
Station Height (m)	655.2567
Station Height (ft)	2150

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. SS Pin in 50mm dia trig pipe in earth mound. Buried mark not known.
Additional mark or site notes (GNS use only)	Mark is .96 m from marker post and .66m from waratah

Plates & Plaques

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

Protection

Primary Protection	Wooden or Non-Standard Marker Post
--------------------	------------------------------------

Beacon Details

Beacon Type	Not Beacons
-------------	-------------

Height Details (all in metres)

Mark Ground Level Relationship in metres (+ve below GL / -ve above GL)	-0.2
--	------

Maintenance Completed and Required

Mark Maintenance Completed	No
Beacon Maintenance Completed	No
Protection Maintenance Completed	No
Mark Maintenance Required	Yes
Description	Pry.e trees of surrounding pine plantation
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



Diagram Notes

See locus track on deployment

Access and Location Description

From Rangitata Gorge Rd, ~1.8km NW of Forest Creek bridge, turn SW (left) onto prominent gravel farm road (0.0km). 2.7km Turn left off main farm road onto secondary track and up zig-zag. 3.0km Top of zig-zag follow track to the left. 3.1km At top of rise follow track to the right. 4.0km At end of lane go thru left most gate and follow fence-line keeping fence on your right. 4.1km Continue straight thru gate. 4.4km Park at 4-way gates and continue walking straight ahead on opposite (right-hand) side of fence-line ~250m to trig. Mark 0.58 m from waratah and 0.89-m from marker post.

Access vehicle

4WD

GNSS Suitability

Poor

Cell Phone Network Coverage

Spark

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

Existing Photo or Site Image

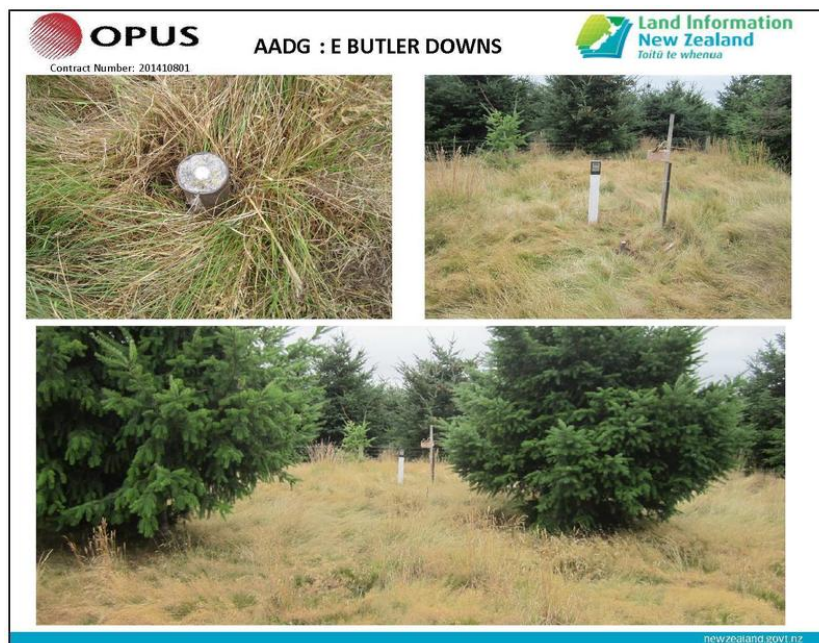


Photo of Survey Mark





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:	Chris Pearson

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	Roger Johnston
Phone	03 6963546
Address	4237 Rangitata Gorge Rd. Rd 20 Peel Forest. Geraldine 7990

Contact Comments

Access permission restrictions (to report in LINZ GDB)	Ring before access
Additional comments relating to owner or contact details. (GNS use only.)	House is on Rangitata Gorge Rd ~1km NW from Forest Creek bridge.

Owner

Is the owner known?	Yes
First Name	Antony (Charlie)
Last Name	Brown

Site Contact

Is the site contact person known?	Yes
Organisation or property name.	Fairlight Station Ltd
First Name	Roger & Janine

Last Name	Johnson
Position (eg owner, manager, lesee, tenant, etc)	(Manager)
Phone	03 696 3546

Access Contact

Is the access contact person known?	Same as site contact
-------------------------------------	----------------------

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

AADG, 2018-01-29, 17:59, OU23, 0220413938, 5700, Trimble

Geodetic Code	AADG
Station Name	E Butler Downs

Deployment

Observer(s)	Chris Pearson, Isaac Brennan
GNSS Receiver	OU23, 0220413938, 5700, Trimble
GNSS Antenna	OU23, 60265666, 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)	22
Compass should read (magnetic bearing)	338
Aligned to True North	Yes

Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	1
1st Height	0.823
2nd Notch Number	5
2nd Height	0.822
3rd Notch Number	7
3rd Height	0.823
Check Height Units	Decimal Inches
Check Height	32.45

Check Height Converted to Metres	0.8242
----------------------------------	--------

Start Time

Occupation Start Date (local)	2018-01-29
Occupation Start Time (local)	17:59
Occupation Start UTC	Mon, 29 Jan 2018 04:59:00 GMT
Year and DoY (UTC)	2018-029

Battery Details

Number of batteries deployed	One
ID of Battery 1	12/a
Capacity of Battery 1 (Ahr)	24 Amp Hour
Voltage of Battery 1	12.85

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

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	12/a
Voltage of Battery 1 at Deployment	12.85
Voltage of Battery 1 at Retrieval	12.004

End Time

Occupation End Date (local)	2018-02-02
Occupation End Time (local)	09:59
Occupation End UTC	Thu, 01 Feb 2018 20:59:00 GMT
Year and DoY (UTC)	2018-032

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	8
1st Height	0.825
2nd Notch Number	2
2nd Height	0.823
3rd Notch Number	4
3rd Height	0.823

Check Height Units	Decimal Inches
Check Height	32.45
Check Height Converted to Metres	0.8242
Average Height recorded at Deployment	0.8227

Plumbing

Bubble Centred?	No
Explain why bubble is not centred.	Settlement during rain storm 1 div to west
Cross-hair on target?	No
Magnetic bearing from mark to cross-hair.	100
Distance in mm from mark to cross-hair	0.4
Explain why cross-hair is not on target.	Settlement during rain storm
Plummet Check OK?	Yes

Gns3, 39380290.t01, 39380310.t01

Current Station	AADG - E Butler Downs
Station Occupation times (UTC)	Start: 04:59 DoY 2018-029 UTC End: 20:59 DoY 2018-032 UTC
ID of Download Device	Gns3
Downloaded by:	Chris Pearson
Download Date	2018-02-02
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	39380290.t01
Latest File Name Downloaded	39380310.t01
Total number of files downloaded.	3

Summary of Downloaded Files

Earliest Filenames Downloaded	39380290.t01
Latest Filenames Downloaded	39380310.t01
Numbers of files Downloaded	3

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.