AF5R, Stag Saddle

Project	2018 CSI GPS
Created	2018-01-09 15:51:39 NZDT by Neville Palmer
Updated	2018-05-25 10:45:10 NZST by GeodeticTwo Tectonophysics
Location	-43.71903624, 170.6846878
Status	Retrieved
Geodetic Code	AF5R
Station Name	Stag Saddle
Station Height (m)	1975.0235
Station Height (ft)	6480

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 Stainless steel pin epoxied in rock. 3 x dynabolts in place.

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 Beaconed

Height Details (all in metres)

Mark Ground Level Relationship in metres (+ve below GL / -ve above GL)	0

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

Access and Location Description	Locating Stag Pass, there is a broad flat area on the ridge 200m NW of stag saddle where a helicopter can land. To the SE of this area there is a rocky knoll composed of dark rocks overlooking the valley leading towards L. Tekapo, which contains the mark. Knoll is shown as a small closed contour on I36 (1:50000 260series). Station is 5m at 192' magnetic from top of knoll on a flat slab above 2-3m cliff. (In 1996 there were a pair of deer antlers wedged in the rock about 1m from the station. Still there but several metres away in 2010.)
Access vehicle	Heli
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	Strong signal
Vodafone	Weak but reliable 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, Neville Palmer

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	Michael Burtscher
Phone	03 680 6512

Contact Comments

Additional comments relating to owner or contact details. (GNS use only.)	Also stock manager Grant Milhouse 03 680 6581 or 027 333 3144.

Owner

Is the owner known?	Yes
First Name	DoC

Site Contact

Is the site contact person known?	Same as owner

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:	Neville Palmer

Occupations

AF5R, 2018-03-25, 13:44, LINZ26, 0220283944, 5700, Trimble

Geodetic Code	AF5R
Station Name	Stag Saddle

Deployment

Observer(s)	Cyril Joureau, Neville Palmer
GNSS Receiver	LINZ26, 0220283944, 5700, Trimble
GNSS Antenna	LINZ26, 12611631, 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	4
1st Height	1.13
2nd Notch Number	6
2nd Height	1.129
3rd Notch Number	1
3rd Height	1.128
Check Height Units	Decimal Inches
Check Height	44.4
Check Height Converted to Metres	1.1278

Start Time

Occupation Start Date (local)	2018-03-25
Occupation Start Time (local)	13:44
Occupation Start UTC	Sun, 25 Mar 2018 00:44:00 GMT
Year and DoY (UTC)	2018-084

Battery Details

Number of batteries deployed	One
ID of Battery 1	11D
Capacity of Battery 1 (Ahr)	24 Amp Hour
Voltage of Battery 1	12.59

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

2018-03-29

Geodetic Code	AF5R
Occupation Period	2018-084_2018-087
Event logged by:	Neville Palmer
Event Date	2018-03-29
Event Time	10:45
UTC time	Wed, 28 Mar 2018 21:45:00 GMT
Year and DoY (UTC)	2018-087
Event Comments	Setup was found to be off plumb. Likely caused by high winds on Tue 27 Mar.

Retrieval

Observer(s)	Cyril Joureau, Neville Palmer
Was receiver logging on arrival?	No
Explain why receiver was not logging (eg Flat battery)	Flat battery

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	11D
Voltage of Battery 1 at Deployment	12.59
Voltage of Battery 1 at Retrieval	12.01

End Time

Occupation End Date (local)	2018-03-29
Occupation End Time (local)	10:43
Occupation End UTC	Wed, 28 Mar 2018 21:43:00 GMT
Year and DoY (UTC)	2018-087

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	3
1st Height	1.132
2nd Notch Number	6
2nd Height	1.132
3rd Notch Number	1
3rd Height	1.131
Check Height Units	Decimal Inches
Check Height	44.61
Check Height Converted to Metres	1.1331
Average Height recorded at Deployment	1.129

Plumbing

Bubble Centred?	No
Explain why bubble is not centred.	5 div at 180 mag. Releveled.
Cross-hair on target?	No
Magnetic bearing from mark to cross-hair.	345
Distance in mm from mark to cross-hair	10
Explain why cross-hair is not on target.	Windy
Plummet Check OK?	Yes

Nev's Phone, 39440810.t01, 39440860.t01

Current Station	AF5R - Stag Saddle
Station Occupation times (UTC)	Start: 00:44 DoY 2018-084 UTC End: 21:43 DoY 2018-087 UTC
ID of Download Device	Nev's Phone
Downloaded by:	Neville Palmer
Download Date	2018-03-29
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	39440810.t01

Latest File Name Downloaded	39440860.t01
Total number of files downloaded.	5

Summary of Downloaded Files

Earliest Filenames Downloaded	39440810.t01
Latest Filenames Downloaded	39440860.t01
Numbers of files Downloaded	5

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.