

AFTC, UE 76 (Arundel)

Project	2018 CSI GPS
Created	2018-01-09 15:51:40 NZDT by Neville Palmer
Updated	2018-02-15 22:55:56 NZDT by Neville Palmer
Location	-43.9345908, 171.3418584
Status	■ Retrieved
Geodetic Code	AFTC
Station Name	UE 76 (Arundel)
Station Height (m)	240.1803
Station Height (ft)	788

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 in concrete block. 0.40 m up in stable ground. ID plaque & plate.

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	Post and Rail Enclosure
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Beacon Details

Beacon Type	Not Beacons
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Height Details (all in metres)

Mark Ground Level Relationship in metres (+ve below GL / -ve above GL)	-0.35
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Maintenance Completed and Required

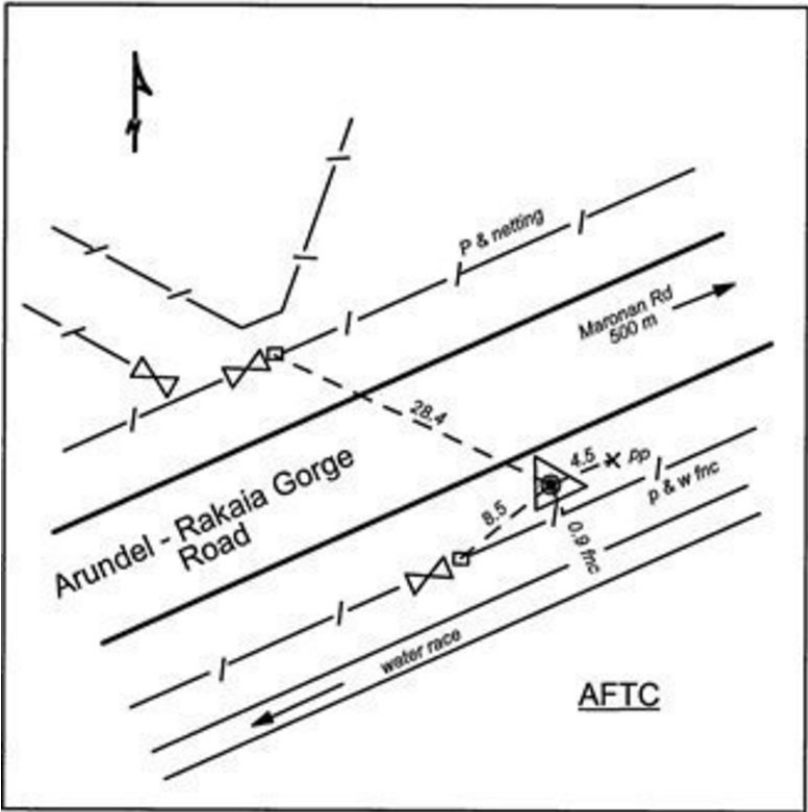
Mark Maintenance Completed	No
Beacon Maintenance Completed	No
Protection Maintenance Completed	No
Mark Maintenance Required	No
Beacon Maintenance Required	No
Protection Maintenance Required	No

Verification

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

Diagram



Access and Location Description	On southeast side of Arundel Rakaia Gorge Road, 0.5km to Ealing Monalto, Cracroft Maronan and Hackthorne Roads intersection.
Access vehicle	2WD
GNSS Suitability	Good

Cell Phone Network Coverage

Spark	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
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Photographs

Existing Photo or Site Image

AFTC – UE 76

Contract Number: 12C01



Land Information
New Zealand
Taitū te whenua

ANDERSON & ASSOCIATES
CONSULTING ENGINEERS

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

Owner & Contact Details

Owner & Contact

Contact Details from the LINZ GDB

Owner/Contact	Road Reserve
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Contact Comments

Access permission restrictions (to report in LINZ GDB)	No Access Restrictions
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Owner

Is the owner known?	Yes
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Last Name	Road Reserve
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Address	
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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
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Have any owner or contact details been updated or verified?	Yes - All details have been fully updated or verified.
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Updated by:	Jean-Louis Morrison
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Occupations

AFTC, 2018-01-26, 15:16, GNS15, 0440101196, 5700, Trimble

Geodetic Code	AFTC
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Station Name	UE 76 (Arundel)
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Deployment

Observer(s)	Paul Denys, Jean-Louis Morrison
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GNSS Receiver	GNS15, 0440101196, 5700, Trimble
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GNSS Antenna	GNS15, 12235000, Zephyr Geodetic, Trimble
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Antenna radome used?	NONE
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Plumbing

Antenna Mount or Monument	Tripod
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Set-up using a rotating optical plummet?	Yes
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Bubble Centred?	Yes
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Cross-hair on target?	Yes
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Plummet Check OK?	Yes
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Antenna Alignment

Magnetic Declination (+ve east / -ve west)	24
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Compass should read (magnetic bearing)	336
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Aligned to True North	Yes
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Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	6
1st Height	0.78
2nd Notch Number	1
2nd Height	0.78
3rd Notch Number	4
3rd Height	0.78
Check Height Units	Decimal Feet
Check Height	2.56
Check Height Converted to Metres	0.7803

Start Time

Occupation Start Date (local)	2018-01-26
Occupation Start Time (local)	15:16
Occupation Start UTC	Fri, 26 Jan 2018 02:16:00 GMT
Year and DoY (UTC)	2018-026

Battery Details

Number of batteries deployed	One
ID of Battery 1	17-I
Capacity of Battery 1 (Ahr)	38 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.

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	17-I
Voltage of Battery 1 at Deployment	12.9
Voltage of Battery 1 at Retrieval	11.9

End Time

Occupation End Date (local)	2018-01-30
Occupation End Time (local)	15:10
Occupation End UTC	Tue, 30 Jan 2018 02:10:00 GMT
Year and DoY (UTC)	2018-030

Antenna Alignment

Magnetic Declination (+ve east / -ve west)	24
Compass should read (magnetic bearing)	336

Aligned to True North	Yes
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Antenna Height

Height Measured To	Bottom of Notch (Slant)
1st Notch Number	4
1st Height	0.779
2nd Notch Number	6
2nd Height	0.779
3rd Notch Number	1
3rd Height	0.778
Check Height Units	Decimal Inches
Check Height	30.65
Check Height Converted to Metres	0.7785
Average Height recorded at Deployment	0.78

Plumbing

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

HP Laptop (Paul Denys), 11960262.t01, 11960290.t01

Current Station	AFTC - UE 76 (Arundel)
Station Occupation times (UTC)	Start: 02:16 DoY 026 UTC End: 02:10 DoY 030 UTC
ID of Download Device	HP Laptop (Paul Denys)
Download Date	2018-01-30
Record the first and last file name of the block of files downloaded.	
Earliest File Name Downloaded	11960262.t01
Latest File Name Downloaded	11960290.t01
Total number of files downloaded.	4

Summary of Downloaded Files

Earliest Filenames Downloaded	11960262.t01
Latest Filenames Downloaded	11960290.t01
Numbers of files Downloaded	4

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.