

## B7V0, Topsey

|                     |                                                        |
|---------------------|--------------------------------------------------------|
| Project             | 2018 CSI GPS                                           |
| Created             | 2018-01-09 15:51:43 NZDT by Neville Palmer             |
| Updated             | 2018-04-16 13:24:14 NZST by GeodeticOne Tectonophysics |
| Location            | -44.11143486, 169.1872365                              |
| Status              | <span style="color: green;">■</span> Retrieved         |
| Geodetic Code       | B7V0                                                   |
| Station Name        | Topsey                                                 |
| Station Height (m)  | 1681.4565                                              |
| Station Height (ft) | 5517                                                   |

## 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. 2" diam iron tube. Buried mark is galv iron bolt. |

### 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 Beacons |
|-------------|-------------|

### Height Details (all in metres)

|                                                                        |       |
|------------------------------------------------------------------------|-------|
| Mark Ground Level Relationship in metres (+ve below GL / -ve above GL) | -0.23 |
|------------------------------------------------------------------------|-------|

### 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 | Helicopter access. Good landing site approximately 40 m east of mark in wide saddle. |
| Access vehicle                  | Heli                                                                                 |
| GNSS Suitability                | Good                                                                                 |

## Cell Phone Network Coverage

|           |                                |
|-----------|--------------------------------|
| Spark     | No signal or unreliable signal |
| Vodafone  | No signal or unreliable signal |
| 2 Degrees | No signal or unreliable signal |

## 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:

Rory Hart

## Owner & Contact Details

### Owner & Contact

### Contact Details from the LINZ GDB

|               |                                          |
|---------------|------------------------------------------|
| Owner/Contact | DoC - West Coast Tai Poutini Conservancy |
| Phone         | 03 751 0807                              |
| Address       | Main Road, PO Box 9, Fox Glacier,        |

### Owner

|                     |                                     |
|---------------------|-------------------------------------|
| Is the owner known? | Yes                                 |
| First Name          | -                                   |
| Last Name           | South Westland - Weheka Area Office |
| Address             | Main Road, PO Box 9, Fox Glacier,   |
| Phone               | 03 751 0807                         |

## 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: | Rory Hart |
|-------------|-----------|

## Occupations

**B7V0, 2018-03-24, 16:54, GNS33, 0220389892, R7, Trimble**

|               |      |
|---------------|------|
| Geodetic Code | B7V0 |
|---------------|------|

|              |        |
|--------------|--------|
| Station Name | Topsey |
|--------------|--------|

## Deployment

|             |                           |
|-------------|---------------------------|
| Observer(s) | Jerry Simonsen, Rory Hart |
|-------------|---------------------------|

|               |                                |
|---------------|--------------------------------|
| GNSS Receiver | GNS33, 0220389892, R7, Trimble |
|---------------|--------------------------------|

|              |                                           |
|--------------|-------------------------------------------|
| GNSS Antenna | GNS33, 60162975, 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 | 7 |
|------------------|---|

|            |       |
|------------|-------|
| 1st Height | 1.036 |
|------------|-------|

|                  |   |
|------------------|---|
| 2nd Notch Number | 2 |
|------------------|---|

|            |       |
|------------|-------|
| 2nd Height | 1.037 |
|------------|-------|

|                  |   |
|------------------|---|
| 3rd Notch Number | 5 |
|------------------|---|

|            |       |
|------------|-------|
| 3rd Height | 1.037 |
|------------|-------|

|                    |                |
|--------------------|----------------|
| Check Height Units | Decimal Inches |
|--------------------|----------------|

|              |       |
|--------------|-------|
| Check Height | 40.87 |
|--------------|-------|

|                                  |        |
|----------------------------------|--------|
| Check Height Converted to Metres | 1.0381 |
|----------------------------------|--------|

## Start Time

|                               |                               |
|-------------------------------|-------------------------------|
| Occupation Start Date (local) | 2018-03-24                    |
| Occupation Start Time (local) | 16:54                         |
| Occupation Start UTC          | Sat, 24 Mar 2018 03:54:00 GMT |
| Year and DoY (UTC)            | 2018-083                      |

## Battery Details

|                              |             |
|------------------------------|-------------|
| Number of batteries deployed | One         |
| ID of Battery 1              | 15A         |
| Capacity of Battery 1 (Ahr)  | 34 Amp Hour |
| Voltage of Battery 1         | 12.83       |

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

## Retrieval

|                                  |                           |
|----------------------------------|---------------------------|
| Observer(s)                      | Jerry Simonsen, Rory Hart |
| 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                    | 15A   |
| Voltage of Battery 1 at Deployment | 12.83 |
| Voltage of Battery 1 at Retrieval  | 11.39 |

## End Time

|                             |                               |
|-----------------------------|-------------------------------|
| Occupation End Date (local) | 2018-03-29                    |
| Occupation End Time (local) | 11:51                         |
| Occupation End UTC          | Wed, 28 Mar 2018 22:51:00 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   | 8                       |
| 1st Height         | 1.036                   |
| 2nd Notch Number   | 5                       |
| 2nd Height         | 1.037                   |
| 3rd Notch Number   | 3                       |
| 3rd Height         | 1.037                   |
| Check Height Units | Decimal Inches          |
| Check Height       | 40.82                   |

|                                       |        |
|---------------------------------------|--------|
| Check Height Converted to Metres      | 1.0368 |
| Average Height recorded at Deployment | 1.0367 |

## Plumbing

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

## EDS27, 98920830.t01 , 98920870.t01

|                                                                       |                                                              |
|-----------------------------------------------------------------------|--------------------------------------------------------------|
| Current Station                                                       | B7V0 - Topsey                                                |
| Station Occupation times (UTC)                                        | Start: 03:54 DoY 2018-083 UTC<br>End: 22:51 DoY 2018-087 UTC |
| ID of Download Device                                                 | EDS27                                                        |
| Downloaded by:                                                        | Jerry Simonsen                                               |
| Download Date                                                         | 2018-03-29                                                   |
| Record the first and last file name of the block of files downloaded. |                                                              |
| Earliest File Name Downloaded                                         | 98920830.t01                                                 |
| Latest File Name Downloaded                                           | 98920870.t01                                                 |
| Total number of files downloaded.                                     | 5                                                            |

## Summary of Downloaded Files

|                               |              |
|-------------------------------|--------------|
| Earliest Filenames Downloaded | 98920830.t01 |
| Latest Filenames Downloaded   | 98920870.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.