



# Survey Control Mark Report

## ADMINISTRATIVE DETAILS

Mark Number	<b>194390</b>		
Alternate Names	<b>BARTLE FRERE</b>	Town	
		Local Authority	<b>CAIRNS REGIONAL</b>
Locality Description	<b>SOUTH PEAK MT BARTLE FRERE</b>		
Related Information	<b>Installed by Graham Jensen and Jeff Pickfo rd. Access from Topaz Road or Josephine Falls. Allow 8hrs each way. Helicopter access recommended</b>		
Mark Type	<b>OTHER STEEL BOLT IN ROCK</b>		
Installed By	<b>J PICKFORD</b>	Last Visited	<b>23-Jul-2016</b>
Installed Date	<b>22-Jul-2016</b>	Sketch Available	<b>Yes</b>
Mark Condition	<b>GOOD</b>	Num Connections	<b>0</b>

## GDA2020 COORDINATES

Lineage	<b>Datum</b>		
Latitude	<b>17° 23' 57.29027" S</b>	MGA2020 Easting	<b>374500.752m</b>
Longitude	<b>145° 49' 06.64980" E</b>	MGA2020 Northing	<b>8075890.400m</b>
Hz Posn Uncertainty	<b>0.015m</b>	MGA2020 Zone	<b>55</b>
Ellipsoidal Height	<b>1673.537m</b>	MGA2020 Point Scale	<b>0.99979474</b>
Vrt Posn Uncertainty	<b>0.025m</b>	MGA2020 Grid Conv	<b>-0° 21' 12"</b>
Published	<b>14-Oct-2024</b>	Fixed By	<b>GPS</b>
Adjustment	<b>QLD ANJ 24.09</b>		

## GDA94 TRANSFORMED COORDINATES

Latitude	<b>17° 23' 57.33799" S</b>	MGA94 Easting	<b>374499.947m</b>
Longitude	<b>145° 49' 06.62222" E</b>	MGA94 Northing	<b>8075888.928m</b>
Ellipsoidal Height	<b>1673.646m</b>	MGA94 Zone	<b>55</b>

## AHD HEIGHT

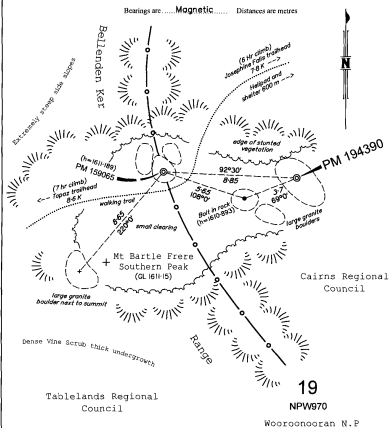
Lineage	<b>Derived</b>		
Height	<b>1611.204m</b>	Vertical Uncertainty	<b>Class D / 5th ORDER</b>
Published	<b>22-Jul-2016</b>	Fixed By	<b>GPS</b>
Origin Mark	<b>44991</b>	NLN Section	
Source	<b>Model: AUSGEOID09 / N Value: 62.571m</b>		

## SURVEY CONNECTIONS

Form 6 - Version 5  
Survey and Mapping Infrastructure Act 2003

## PERMANENT SURVEY MARK PLAN

REGISTERED NO. **194390**



Mark Type: **Stainless Bolt in large granite boulder** Scale **1:150**

Suited to GNSS?	DETAILS ON REVERSE COMPLETED: <input checked="" type="checkbox"/>	
Yes	Prepared by: <b>G. Jensen (Cadastral Surveyor)</b> (registered person or public authority)	Date <b>22/8/2016</b>

This form is to be completed in accordance with the Department's Specification *Completion of Permanent Survey Mark Plans*

## Survey Control Register - Permanent Survey Mark Data Sheet

REGISTERED NO. **194390**

## Administrative Data

Alternative Name 1: ..... \*Installed by: ..... J Pickford .....  
 Alternative Name 2: ..... \*Date installed: ..... 22/7/2016 .....  
 Alternative Name 3: ..... Date last visited: ..... 23/7/2016 .....  
 \*Mark type: ..... Stainless Bolt in Rock ..... \*Locality: ..... WOOROOOORAN .....  
 City or Town: .....  
 \*Mark condition: ..... Good ..... \*Local government: ..... Cairns Regional Council .....  
 Location description: Southern Peak, Mt Bartle Frere .....

Note: The Survey Control Register is the authoritative source for coordinate and height information.  
 The vertical and horizontal data below may not be the current information regarding this mark.

## Vertical Control Data

\*Height: 1611.204... \*Datum: ..... A.H.D.D ..... Vertical Accuracy - \*Order: ..... 4 ..... \*Class: ..... A .....  
 Vertical Origin - \*Regd No: ..... 44991 ..... \*Height: ..... 968.020 ..... \*Datum: ..... A.H.D .....  
 Geo-Sphd N: ..... 62.571 ..... Datum: ..... GRS80 ..... Model: ..... AG09 .....  
 \*Fixed By: ..... GNSS ..... \*Date: ..... 22/7/2016 .....

## Horizontal Control Data

\*Latitude: ..... 17° 23' 57.33796" ..... \*Longitude: ..... 145° 49' 06.62236" ..... \*Datum: ..... GDA94 .....  
 \*Easting: ..... 374.499.951 ..... \*Northing: ..... 8.075.888.929 ..... \*Zone: ..... 55 .....  
 \*Horiz Positional Uncertainty: 0.009... \*Fixed By: ..... Auspos 2-2 ..... \*Date: 22/7/2016 .....  
 \*Horiz Origin Regd No: .....  
 \*Latitude: ..... \*Longitude: ..... \*Datum: ..... GDA94 .....

## Cadastral Connection Data

\*Connected on Cadastral Plan No.: .....

## Comments

..... Auspos solution from 14 hours of data collected on the 22/7/2016. No obstructions above 0° elevation.....

Details completed by: Name: ..... G Jensen ..... Date: ..... 22/8/2016 .....  
 Organisation: ..... Department of Transport and Main Roads .....

\*Items marked thus are mandatory items for the section

\*Items marked thus are mandatory items if the coordinates are determined by connection to an existing mark (i.e. not Network RTK or AUSPOS)