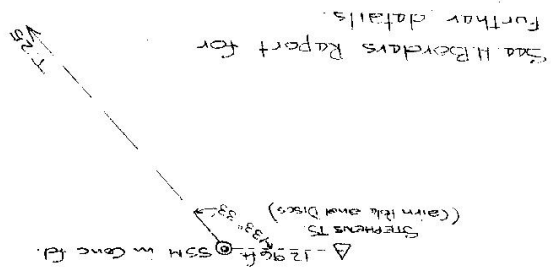


Signature



Checked with field book

correct marked
10/12/20
M.M. checked



North

REMARKS:- (To include diagram of marks placed)

1. Completely cleared to permit 360° vision to surrounding Trigs.
2. Cleared by James bearing from Trig-Mast
3. The Trig. was ~~unplotted~~/not unplotted. dimensions now being:
 - Original Trig. Plug was found/not found.
 - Length of Mast 10.2 feet (approximate if not unplotted)
 - Mast (Round) feet diameter
 - (Square) 0.4 feet
 - Height of Trig. Plug feet (above rock/concrete)
 - Height of Top Vanes to Top Trig. Plug feet
 - Diameter of Vanes (vertical) 3.0 feet
 - Height of Cairn 5.4 feet
 - Diameter of Cairn 5.5 feet
4. Trig. Mast & Vanes have been pointed white & black respectively.
 was found
5. An S.M. set in conc/rock ~~has been placed~~ 12.96 feet bearing *abt 271* M to Trig. Mast/Plug
6. A G.I. Pipe set in conc/soil has been placed feet bearing M to Trig. Mast/Plug
7. Connection S.S.M. to G.I. Pipe 15.3 feet bearing 310 M

(If other type Trig. beacon is erected - Diagram is required below in Remarks)

Note: Cross out word or words which do not apply

Department of Lands
TS 4174
STEPHEN
Central Mapping Authority

Trigonometrical Survey of N.S.W.

RECONNAISSANCE and MAINTENANCE REPORT on STEPHENS TRIG. STATION 4175

Parish Wood County Mitchell Map Sheet YAKO SOUTH No.

Inspected by J.B. STEPHEN Date of Inspection 7th July 1966

Department of Lands

Central Mapping Authority

Trigonometrical Survey of N.S.W.

4/66

RECONNAISSANCE and MAINTENANCE REPORT on STEPHENS TS 4174 TRIG. STATION 4175

Parish WOOD County MITCHELL Map Sheet MORUNDAH No. 731

Inspected by H. BORDER Date of Inspection 22nd JUNE 1966

This Trig. Station has been:-

Note: Cross out word or words which do not apply

1. Completely cleared to permit 360° vision to surrounding Trigs.
2. Cleared by lanes bearing TREES AT 46° 25' 32" 295' 275' 240' MAGNET from Trig. Mast
3. The Trig. was unplied/~~not unplied~~, dimensions now being:

Original Trig. Plug was found/~~not found~~.

Length of Mast 10.80 feet (approximate if ~~not unplied~~) Mast (Round _____ feet diameter (Square 0-4.0 _____ feet

Height of Trig. Plug 0.05 feet (above rock/concrete)

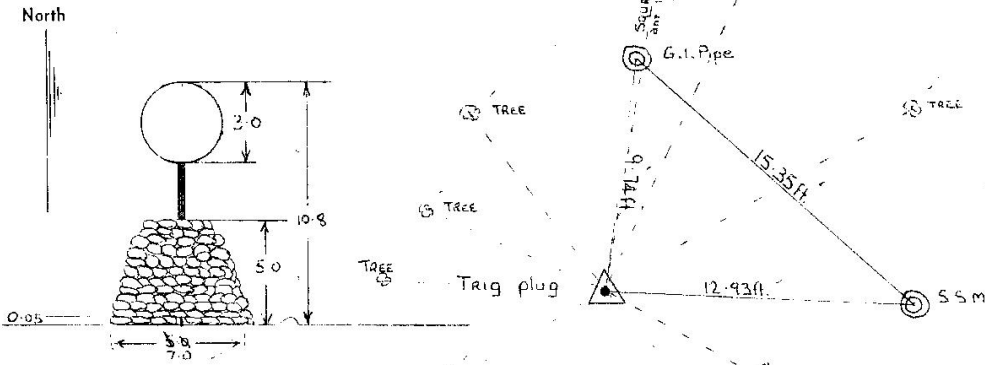
Height of Top Vanes to Top Trig. Plug 10.75 feet Diameter of Vanes (vertical) 3.0 feet

Height of Cairn 5.0 feet Diameter of Cairn 7.00 feet

(If other type Trig. beacon is erected - Diagram is required below in Remarks)

4. Trig. Mast & Vanes have been painted white & black respectively. ✓
5. An S.S.M. set in conc/rock has been placed 12.93 feet bearing 273° M to Trig. Mast/~~Plug~~
6. A G.I. Pipe set in conc/soil has been placed 9.74 feet bearing 188° M to Trig. Mast/~~Plug~~
7. Connection S.S.M. to G.I. Pipe 15.35 feet bearing 312° M

REMARKS:- (To include diagram of marks placed)



Trig plug is made of copper & brass.
 - Trees are on private land.
 all bearings in diagram are magnetic.

*Additional comments - magnetic bearings
 H. Border
 12-1-66*

*and noted for
 R. Harvey
 10/12/70
 217m checked*

Signature H. Border

PROVISIONAL

SUMMARY

Station Name **STEPHEN TS 4174** Order **SECON**

Map Name **BROKEN HILL** Map Number **H 54/15** Scale **1 : 250 000**
 State **NEW SOUTH WALES** County / District
 Parish / Hundred Allotment / Section / Portion

Latitude **31° 48' 54".87** Longitude **141° 29' 45".91** Height (in feet) **1002**

TRANSVERSE MERCATOR CO-ORDINATES OF STATION MARK

Zone 6		Zone	
Easting	Northing	Easting	Northing
451 370.31	1 064 856.24		
Convergence (Grid Minus True) + 00° 15' 41".52		Convergence (Grid Minus True)	

In yards from F
In feet from T

Origin of Survey **SYDNEY OBSERVATORY** Lat. **33° 51' 41".10** Long. **151° 12' 17".85**
 Datum for Height **MEAN SEA LEVEL - PORT ADELAIDE** Figure of Earth **CLARKE 1858**

AIR PHOTOGRAPH IDENTIFICATION OF STATION MARK / PHOTO REFERENCE POINT

Title **SILVERTON** Film No. **C.A.G. 17** Run No. **1** Photo No. **5073**
 Film held by **R.A.A.F.** Quadrant **A X 2".23 Y 0".64** Diagonal **2".32**

TRANSVERSE MERCATOR CO-ORDINATES OF PHOTO REFERENCE POINT
E N Height

Reference Books **FIELD BOOKS NM 358, NM 360, NM 369, NM 371**

Station Observed	Observed Direction (a)	Adjusted Bearings		Log Distance (Feet)
		True	Grid	
SUNDOWN	00 00 00	204 15 03.31		4.534 0511
MOORKALE	253 47 31.05			4.678 4066
NORTH BASE	312 04 57.42			4.442 6516
ROUND	329 18 57.12			4.638 4186

(a) Observed directions are corrected by station adjustment and for eccentricity of instrument and object before entry in this column.

H. O. Johnson
 Chief Topographic Engineer

DEPARTMENT OF NATIONAL DEVELOPMENT

DIVISION OF NATIONAL MAPPING

TRIGONOMETRICAL STATION SU

TS 4174
STEPHEN

Station Established by DIVISION OF NATIONAL MAPPING Date 1954
 Station Re-established by Date

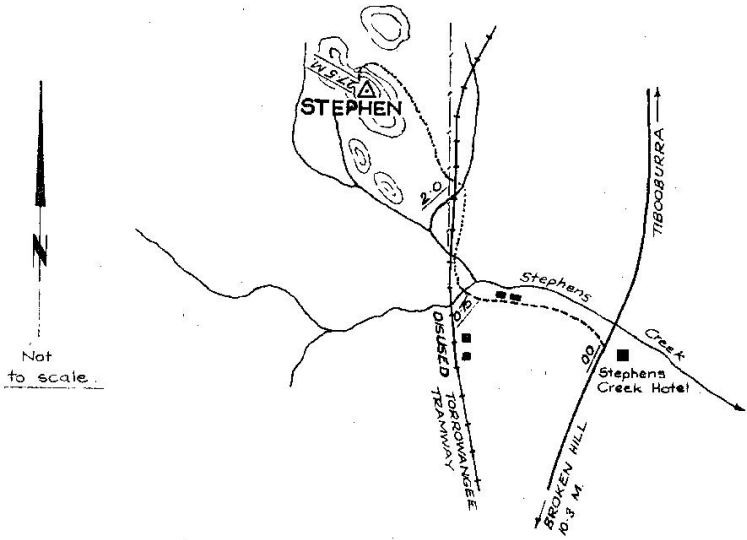
Particulars of Station Marking and Beacon, } (see below)
 Reference Marks, Situation, Access Etc. }
 Map Reference Map Name Scale Edition Date

GROUND MARK: 1/2" brass rod set in concrete at ground level.

BEACON: No beacon was erected, but the ground mark was covered with a small rock cairn approximately 2.5 diameter x 4' high.

REFERENCE MARKS: Three 18" steel star pickets set at ground level on line to Sundown, Moorkaie, and Round Hill.

ACCESS: From Broken Hill drive North along Tibooburra road for about 10 1/4 miles to Stephens Creek Hotel. Follow track along South bank of creek for approximately 3/4 mile, cross creek, and follow old tramway for about 1 1/4 miles North. Stephen trig is at a bearing of 141° and about 1/2 mile from this point. Proceed through fence on West of old tramway to trig. Skirt hill on East; a four wheel drive vehicle can drive to the summit.



References to previous work

Station Re-visited by

