

CENTRAL MAPPING AUTHORITY
Department of Lands

Trigonometrical Survey of N.S.W.

RECONNAISSANCE and MAINTENANCE REPORT

STATION COPE T-5

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 limes bearing..... from Trig. Mast
3. Trig. Mast & Vanes have been painted white & black respectively.
4. The Trig. was unpiled/~~not unpiled~~, dimensions now being: _____

Description of mark Brass Trig Plug in Conc should be explicit, e.g. Steel plug, Brass plug, Bolt, G.I. Pipe

Height of mark..... m ^{above} / _{below} rock/concrete m ^{above} / _{below} G.L.
 Height of Top Vanes to Top Mark..... m Diameter of Vanes (vertical) 0.765 m.
 Height of Cairn..... m. Diameter of Cairn 1.5 m.

- Length of Mast 3.38 m. (approximate if not unpiled)
5. A. G.I. Pipe set in conc/rock has been placed 4.020 m. bearing 182°M from Trig. Mast
 6. A. G.I. Nail set in conc/soil has been placed 4.745 m. bearing 87°M from Trig. Mast
 7. A..... set in conc/soil has been placed..... m. bearing.....°M from Trig. Mast
 8. A..... set in conc/rock has been placed..... m. bearing.....°M from Trig. Mast

9. Connection G.I.P. to G.I. Nail : 6.535 m. bearing.....°M
10. Connection..... to..... m. bearing.....°M
11. Connection..... to..... m. bearing.....°M
12. Connection..... to..... m. bearing.....°M
13. Diff. Ht. Trig. Plug is 0.080 m. ^{above} G.I. Pipe
14. Diff. Ht. Trig. Plug..... is 0.430 m. ^{above} Copper Nail
15. Diff. Ht. G.I. Pipe..... is 0.350 m. ^{above} Copper Nail
16. Diff. Ht..... is..... m. ^{above} / _{below}.....

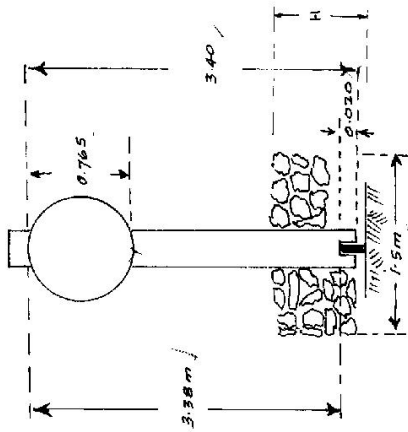
Prepared by: P.K. Samela Checked: T Noted on U.T.M. Card

Co: BLSH Ph: COPE IS 6060
 Map Sheet: SULGONG No: 375

Inspected by: C. BROWN Date: 16-4-75
 Authority Geodetic Survey 3rd Field Book: 1626

Beacon Diagram

Not to Scale



THESE MARKS REPRESENT THE POSITION OF THE BEACON AT THE DATE OF SURVEY.
 THESE MARKS REPRESENT THE POSITION OF THE BEACON AT THE DATE OF SURVEY.

Date _____ Record of Station _____

Checked

STATION COPE G.S. # 6060

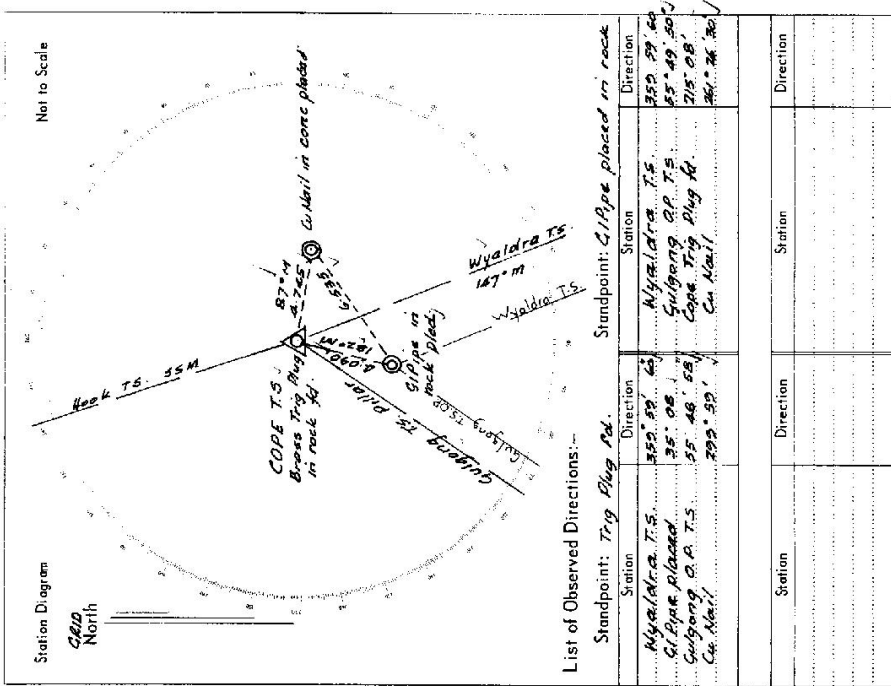
Current Occupant.....

Address.....

Owners Name.....

Address.....

Access 16-4-1975



List of Observed Directions:-

Station	Direction	Station	Direction
Wyaldra T.S.	352° 59' 6"	Wyaldra T.S.	352° 59' 6"
Slipcase placed	35° 06'	Gulgong C.A. T.S.	35° 06'
Gulgong C.A. T.S.	35° 48' 59"	Cape Trig Plug 46.1m	35° 06'
Cape Nail	352° 59'	Cape Nail	35° 06'
Standpoint: Trig Plug Rd. Standpoint: Slipcase placed in rock			

Station	Direction	Station	Direction

7-19

CENTRAL MAPPING AUTHORITY
Department of Lands

RECONNAISSANCE and MAINTENANCE REPORT

STATION COPE T-5 6060

This Trig. Station has been:-
Note: Cross out word or words which do not apply

Co: BIGH Ph: COPE
Map Sheet: GULGANG No: 375
Inspected by: C. BROKIN Date: 16-4-75
Authority Geodetic Survey Div Field Book: 1436

- 1. Completely cleared to permit 360° vision to surrounding Trigs.
- 2. Completely cleared to permit 360° vision to surrounding Trigs.
- 3. Cleared by James bearing..... from Trig-Mast
- 4. Trig. Mast & Vanes have been painted white & black respectively. ✓
- 5. The Trig. was unpiled/ret-unpiled, dimensions now being: Original dimensions were 1.5m x 1.5m x 1.5m

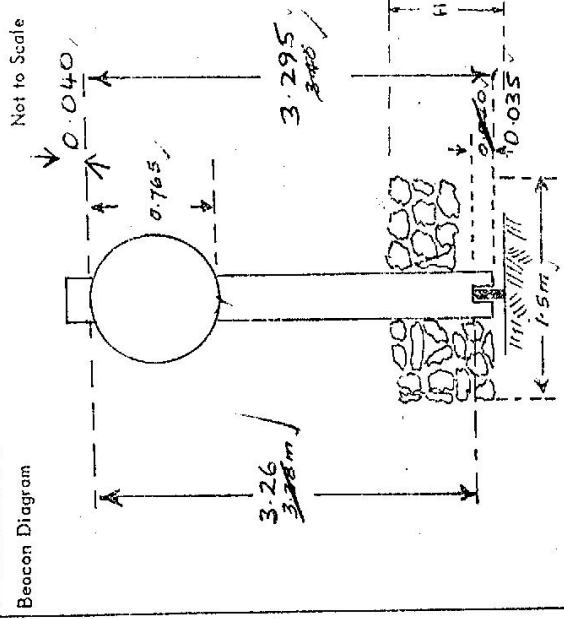
Description of mark: Brass Trig. Plug in rock. should be explicit, e.g. Steel plug, Brass plug, Bolt, G.I. Pipe
Height of mark.....m above rock/concrete.....m below G.L.
Height of Top Vanes to Top Mark... 3.80/m.
Height of Cairn... 1.1 m. Diameter of Cairn... 0.5 m. ✓
Diameter of Vanes (vertical) 0.265/m. ✓

Length of Mast... 3.400/m. (approximate if not unpiled)

- 5. A. G.I. Pipe... set in conc/rock has been placed 4.990/m. bearing 182° from Trig. Mast
- 6. A. G.I. Nail... set in conc/soil has been placed 4.745/m. bearing 82° from Trig. Mast
- 7. A..... set in conc/soil has been placed.....m. bearing.....°M from Trig. Mast
- 8. A..... set in conc/rock has been placed.....m. bearing.....°M from Trig. Mast

- 9. Connection. G.I.P. to G.I. Nail: 6.535/m. bearing.....°M
- 10. Connection..... to..... m. bearing.....°M
- 11. Connection..... to..... m. bearing.....°M
- 12. Connection..... to..... m. bearing.....°M
- 13. Diff. Ht. Trig. Plug is 0.076/m above G.I. Pipe
- 14. Diff. Ht. Trig. Plug is 0.433/m above Copper Nail
- 15. Diff. Ht. G.I. Pipe is 0.357/m above Copper Nail
- 16. Diff. Ht. is.....m. above.....m. below.....

Inspected by: P.K. Banerla Checked: P.K. Banerla Date: 16/03/78 Noted on U.T.M. Cord



Beacon Diagram
Not to Scale

Date	Record of Station
26-10-77	Trig. visited by P. Carr, CMA. Unpiled for observation
	A/B 1559 Connection checked. Trig. cleared 360°

Checked

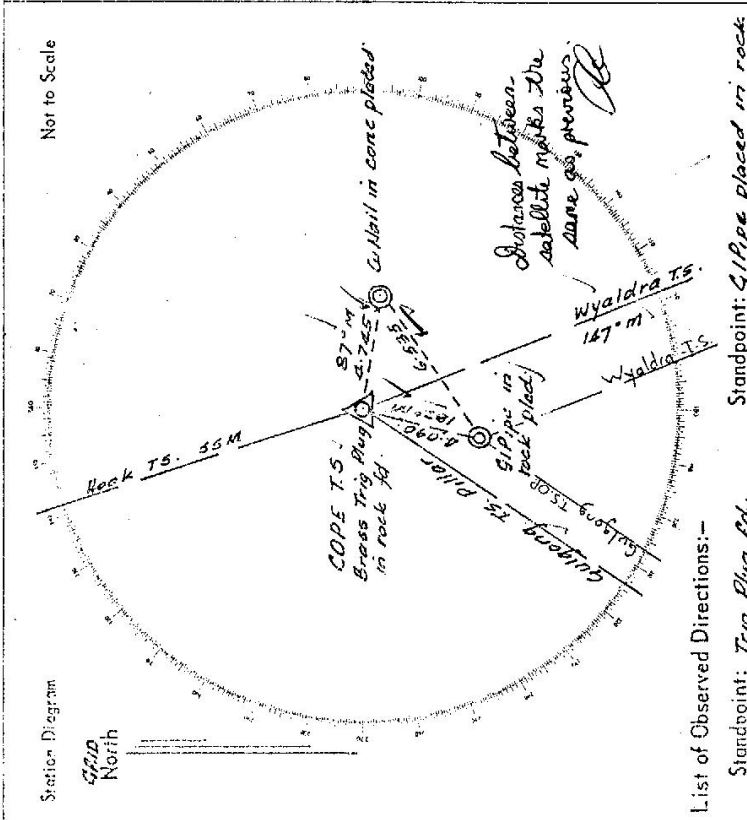
STATION **COPE GS TS-6060**

Owners Name... **C. WILLIARDT** Current Occupant.....
 Address... **Phang GULGONG 170** Address.....

Possible with ordinary 2 wheel drive vehicle **ACCESS 13/1/75**

Acc	Kilometres:	Feature:
0.0		At GULGONG Post Office - Lake Road (bitumen) to CASSIMIS & ULAI
9.5		Turn Left onto Gravel Road at Signpost 'UARRY'
13.0		Turn Right off Road into Grid at entrance to 'HARITONG'
13.2		Through Grid
13.4		Through Grid - follow track past House & Yards & Shed in NE direction
14.2		Through Gate veer left around fence corner
14.4		Through Gate at fence intersection - Turn Hard right along Track in general NE direction
15.1		Through Gate in fence running E-W
15.6		Turn Left off track into Gate in fence running in N-S direction (no hinges on gate) - follow faint track in general NW direction over lightly timbered ridge
16.8		Through Gate in fence running in NS direction - follow faint track in NW direction over several spur lines and veer left off track to Trig Hill (rocky knoll) when starting to run parallel and south of fence running in E-W direction
17.5		Stop vehicle at foot of steep rock on northern side of hill. About 2 minutes steep climb to COPE TS .

Signature *[Handwritten Signature]*



List of Observed Directions:-

Standpoint: Trig Plug Rd.		Standpoint: GI Pipe placed in rock	
Station	Direction	Station	Direction
Wyaldra T.S.	350° 59' 60"	Wyaldra T.S.	352° 29' 60"
GI Pipe placed	35° 08' 1"	Gulgang O.P. T.S.	55° 49' 50"
Gulgang O.P. T.S.	55° 48' 58"	COPE Trig Plug Id.	715° 08'
Ce Nail	292° 52'	Ce Nail	261° 26' 32"

Station	Direction	Station	Direction

[Handwritten Signature]

COPE TS 13/1/75

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF N.S.W.

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

Description:

1. Cleared by lanes bearing 540° .
Note: Cross out word or words which do not apply
2. Mast & Vanes have been painted white & black respectively. ✓
from Trig. Mast
3. The station/pillar was ~~unplaced~~ ~~not-erected~~ constructed on $2.2 \times 2.2 \times 19.78$, dimensions now being:
Description of mark **R.I.P. Pillar** should be explicit, e.g. S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe
Height of mark 1.36 m. above ~~below~~ rock/concrete; Mark is 1.36 m. above ~~below~~ G.L.
Height of Top Vanes to Top Mark/Pillar plate 1.422 m. Diameter of Vanes (vertical) 0.155 m.
Height of Cairn 0.155 m. Diameter of Cairn 0.155 m. Name Plate found/not found/placed.
Length of Mast 1.503 m. (approximate if not unplaced)
4. **BRASS PLUG** set in ~~conc~~ rock has been ~~placed~~ found, bearing 37° M from ~~Mast/Plug~~ Pillar
5. **G.I. PIPE** set in ~~conc~~ rock has been placed found, bearing 136° M from ~~Mast/Plug~~ Pillar
6. **DRILL HOLE** set in ~~conc~~ rock has been placed found, bearing 54° M from ~~Mast/Plug~~ Pillar
7. **A** set in ~~conc~~ rock has been placed found, bearing 0° M from Mast/Plug/Pillar
8. Action required: **Roof Top Pillar** ✓

Mark	Direction	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
GULLONG PILLAR	359 59 60	✓	above standpt.	GULLONG PILLAR	359 59 60	✓	above standpt.
BRASS TRIG PLUG	125 02 20	2.882	above standpt.	Pillar Plate	15 01 35	2.981	below standpt.
DRILL HOLE	211 49 10	7.436	above standpt.	DRILL HOLE	221 51 25	4.739	below standpt.
G.I. PIPE	295 27 40	2.430	above standpt.	EURUNDY G.S.	324 38 05	✓	above standpt.
EURUNDY G.S.	324 38 20	✓	above standpt.	G.I. PIPE	339 17 35	4.095	above standpt.
			below				below

STANDPOINT: **BRASS TRIG PILLAR** Noted on U.T.M. Card

Prepared by: *[Signature]* Checked: *[Signature]*

SI 2733-1

STATION: **COPE (PILLAR)** No: **1660**
 MAP SHEET SCALE 1:250 000
 INSPECTED BY: **W.M.C. LUDRAY** DATE: **28-2-78**
 AUTHORITY: **C.M.A.** FIELD BOOK: **1657**

Station Diagram
 Not to Scale

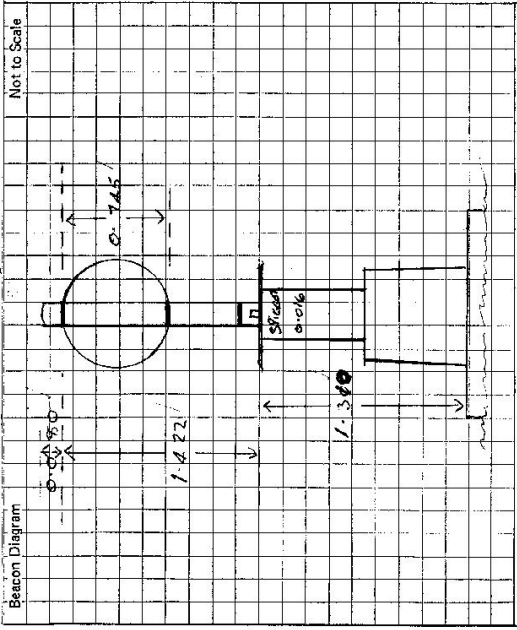
STATION COPE (Pillar) TS 6060

Current Occupant:
 Address:
 Phone:

Owner's Name: CHARLES WILLIAMS
 Address:
 Phone: 01578 8453 170

ACCESS
 Access Report of 13/11/1975 was found suitable/~~unsuitable~~.

Sr 2733-2 D. West, Government Printer



This section to be completed by officer constructing pillar.

Original station mark found/~~not found~~.
 Description of mark: BRASS PIVOT IN ROCK
 Original beacon found/~~not found~~.
 Description of beacon: CAIRN MAST & VANES
 Height Top of Vanes to Top Mark: 3.280 m.
 Height of mark: 0.2 m. above rock/tee. below G.L.
 Diameter of Vanes: 0.763 m. Height of Cairn 1.00 m.
 Original Beacon has/~~not been~~ destroyed by me.

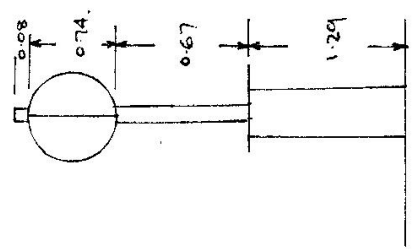
Date	Record of Station

75 (b)

Department of Lands
 STATION **COPE (PTS) 6060**
 Co: **BULCH** Ph: **COPE**
 Map Sheet: **GULGONG** No: **8833**
 Inspected by: **C. STARBY** Date: **2/5/78**
 Authority: **DEPT LANDS** Field Book: **985**

Integrally surveyed of N.S.W.
 RECONNAISSANCE and MAINTENANCE REPORT 1634
 Note: Cross out word or words which do not apply
 This Trig. Station has been:-
 1. Completely cleared to permit 360° vision to surrounding Trigs.
 2. Cleared by limes bearing from Trig. Mast
 3. Trig. Mast & Vanes have been painted white & black respectively.
 4. The Trig. was unpiled/~~not unpiled~~, dimensions now being:
 Description of mark: **STEEL PILLAR** should be explicit, e.g. Steel plug, Brass plug, Bolt, Concrete Pillar
 Height of mark: **1.29** m above rock/**concrete** m above below G.L.
 Height of Top Vanes to ~~Top Mark~~ Top pillar plate: **1.41** m Diameter of Vanes (vertical): **0.74** m.
 Height of Cairn: m. Diameter of Cairn: m.
 Length of Mast: m. (approximate if not unpiled)

5. A. **TRIG. PILE** set in conc/~~rock~~ has been placed/fd **2.876** m, bearing **37** °M from Trig. Mast/pillar
 6. A. **GL. PIPE** set in conc/~~soil~~ has been placed/fd **2.426** m, bearing **138** °M from Trig. Mast/pillar
 7. A. set in conc/~~soil~~ has been placed/fd m, bearing °M from Trig. Mast/pillar
 8. A. set in conc/~~rock~~ has been placed/fd m, bearing °M from Trig. Mast/pillar
 9. Connection: **TRIG. PILE** to **GL. PIPE**: **4.086** m, bearing **182** °M
 10. Connection: to m, bearing °M
 11. Connection: to m, bearing °M
 12. Connection: to m, bearing °M
 13. Diff. Ht. **TRIG. PILE** is **1.307** m above below **PILLAR PLATE**
 14. Diff. Ht. **GL. PIPE** is **1.376** m above below "
 15. Diff. Ht. is m, above below "
 16. Diff. Ht. is m, above below "
- Prepared by: **C. STARBY** Checked: **L. HAYES 17/6/78**



Date	Record of Station

STATION **TS 6060** **COPE (P) TS**

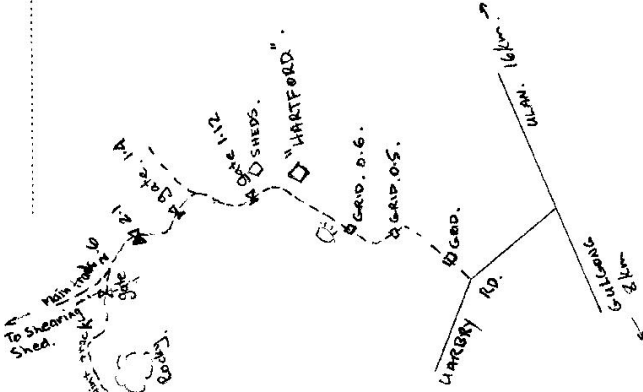
Current Occupant.....

Address.....

Owners Name.....

Address.....

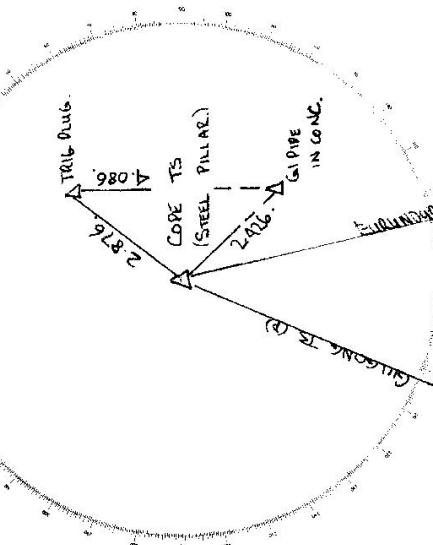
Access 2-5-1978



Not to Scale

Station Diagram

North

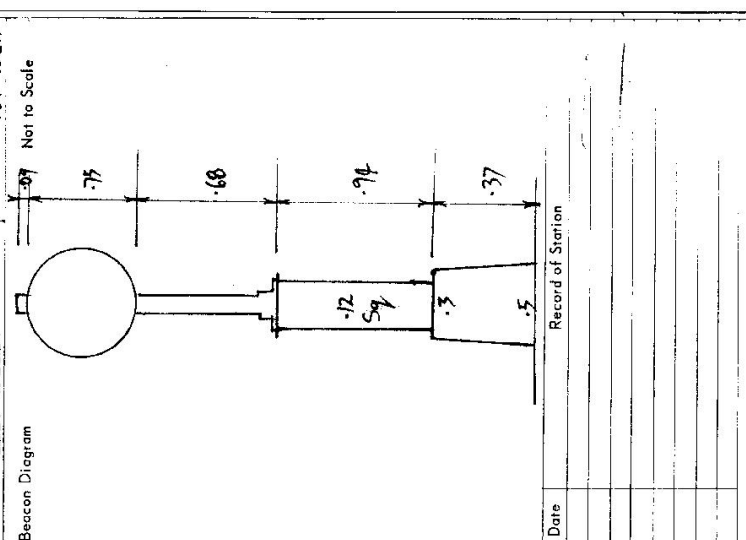


List of Observed Directions:-

Station	Direction	Station	Direction
EULANDUR TS (P)	167 07 59.3	EULANDUR TS.	0° 00' 00"
GULGONG TS (P)	202 30 09.8	GI PIPE	14° 39' 42"
TRIG PLUG.	37 30.20	PILLAR	50 23 24
GI PIPE	137 59 51		

Station	Direction	Station	Direction

Department of Lands
 STATION TS 1634 COPE PI
 Co: BLIGH Ph: COPE
 Map Sheet: GULFONG No: 8833
 Inspected by: A. GRAHAM Date: 3/12/19
 Authority: ISB, N.C.L.E. Field Book: PPP 1321
 Beacon Diagram: Not to Scale



Integrati survey of N.S.W.
 RECONNAISSANCE and MAINTENANCE REPORT
 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 James bearing.
 3. Trig. Mast & Vanes have been painted white & black respectively. ✓
 4. The Trig. was unpiled/~~not unpiled~~, dimensions now being:
 - Description of mark: concrete pillar should be explicit, e.g. Steel plug, Brass plug, Belt, Concrete Pillar
 - Height of mark: 1.31 m. ^{above} rock, concrete 1.31 m. ^{above} G.L.
 - Height of Top Vanes to Top/~~Mark~~ Top pillar plate 1.43 m. Diameter of Vanes (vertical) 0.75 m.
 - Height of Cairn: 1.31 m. Diameter of Cairn 0.13 x .5 m.
 - Length of Mast: 1.57 m. (approximate if not unpiled)
 5. A PPI set in ~~conc~~/rock has been placed/fd 7.413 m. bearing 57°M from Trig. ~~Mast~~ pillar
 6. A PNI set in conc/~~soil~~ has been placed/fd 2.875 m. bearing 40°M from Trig. ~~Mast~~ pillar
 7. A GPI set in conc/~~soil~~ has been placed/fd 2.424 m. bearing 141°M from Trig. ~~Mast~~ pillar
 8. A set in conc/rock has been placed/fd m. bearing °M from Trig. Mast/pillar
 9. Connection: PNI to DHI 4.732 m. bearing 67°M /
 10. Connection: PNI to GPA 4.086 m. bearing 5°M
 11. Connection: to m. bearing °M
 12. Connection: to m. bearing °M
 13. Diff. Ht. Pillar Plate is 1.303 m. ^{above} PNI
 14. Diff. Ht. Pillar Plate is 1.646 m. ^{above} PPI
 15. Diff. Ht. Pillar Plate is 1.380 m. ^{above} GPI
 16. Diff. Ht. is m. ^{above}
- Prepared by: [Signature] Checked: [Signature]

STATION TS USA COPE [P] 6060

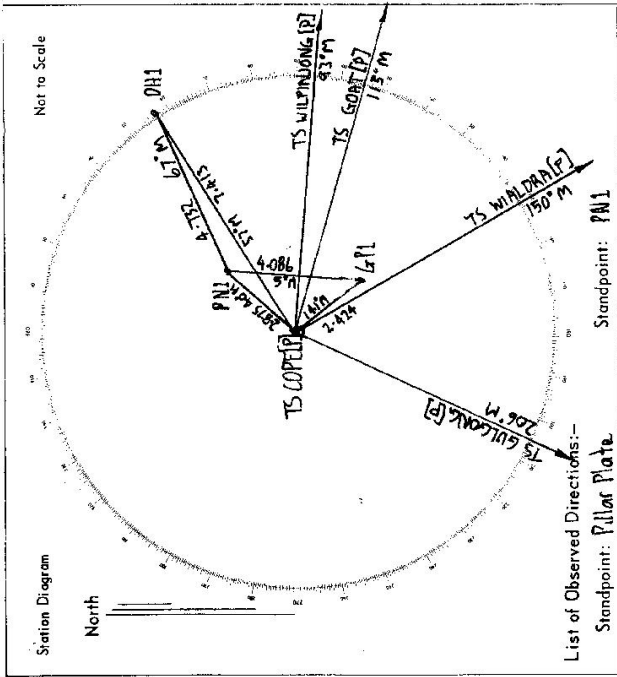
Owners Name... C. WILLIARDT Current Occupant.....

Address... PHONE GULGONG, 170

Access 3-12-1979

GULGONG RD. TAKEULAN CASSILIS ROAD
TURN LEFT GRAVEL ROAD SIGN VARRY
TURN RIGHT OFF ROAD INTO GRID PROPERTY "HARTFORD"
DOUBLE IRON GATE
GRID
CREEK
PASS HOUSE ON RIGHT HAND SIDE
IRON GATE SILO ON RIGHT FENCE ON LEFT
LEFT AT END OF FENCE
IRON GATE TURN HARD RIGHT FENCE ON R.H.S.
IRON GATE.
TURN LEFT OFF TRACK INTO GATE (NO HINGES)
FOLLOW FAINT TRACK IN NORTH WEST DIRECTION OVER
RIDGE.
GATE FOLLOW TRACK IN NORTHERLY DIRECTION OVER
SEVERAL SPUR LINES VEER TO RIGHT BEFORE FENCE AND
APPROACH TRIG. HILL IN A SOUTHERLY DIRECTION
STOP VEHICLE AT FOOT OF STEEP CLIMB ON NORTH SIDE
OF HILL. 2 MINUTE STEEP CLIMB TO TRIG.

0.0
 9.5
 12.0
 12.5
 12.7
 12.8
 13.0
 13.2
 13.4
 13.5
 14-6
 15.0



List of Observed Directions:-

Standpoint: Pillar Plate

Station	Direction	Station	Direction
TS WILDRA [P]	198° 00' 00.0"	TS WILDRA [P]	0° 00' 00.0"
TS GULGONG [P]	205° 48' 45.6"	TS GOAT [P]	35° 03' 43.3"
TS GOAT [P]	115° 46' 44.4"	TS COPE [P]	70° 47' 45.5"
TS WILPINSONG [P]	95° 52' 36.4"	TS PNI	277° 43' 18"
TS PNI	40° 48' 51.0"		
TS GPH	57° 37' 27.1"		

Possible to travel by conventional vehicle

GEODEIC SURVEY OF M.S.W.

CENTRAL MAPPING AUTHORITY

GEODEIC STATION RECONNAISSANCE and MAINTENANCE REPORT

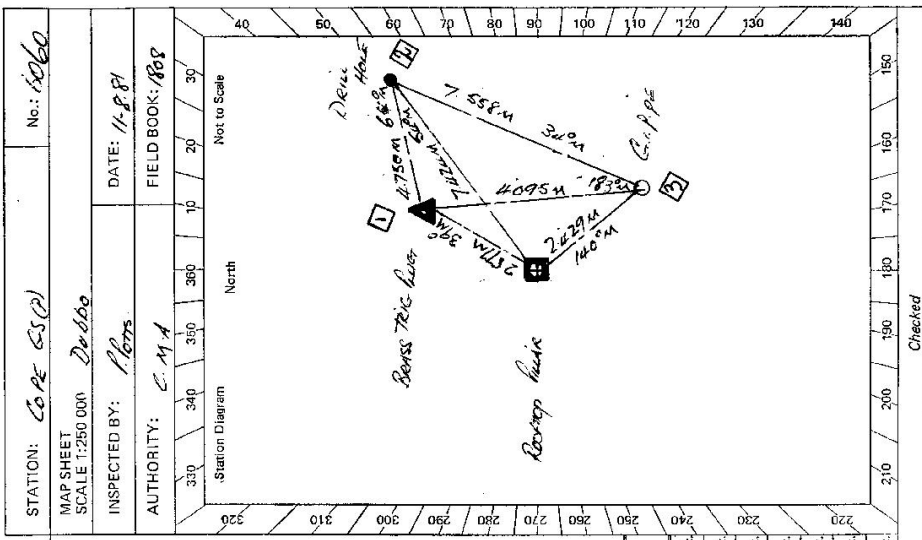
- Description: *360° M* Note: Cross out word or words which do not apply
- Cleared by lanes bearing..... from Trig. Mast
 - Mast & Vanes have been painted white & black respectively. ✓
 - The ~~station~~ pillar was unpiled/~~re-constructed~~ on..... *13x Acacia 19.8m*, dimensions now being: Description of mark..... should be explicit, e.g., S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe
Height of mark.....m. above ~~below~~ rock/concrete; Mark is *1370*.....m. above G.L.
Height of Top Vanes to Top Mark/Pillar plate *1430*.....m. Diameter of Vanes (vertical) *0.755*.....m.
Height of Cairn.....m. Diameter of Cairn.....m. Name Plate found/not found/placed.
Length of Mast.....m. (approximate if not unpiled)
 - A *BRASS TRIG. PLATE*.....set in ~~conc~~/rock has been ~~placed~~/found, bearing *39*.....°M from ~~Mast/Flag~~/Pillar
 - A *BRASS PIPE*.....set in ~~conc~~/rock has been ~~placed~~/found, bearing *140*.....°M from ~~Mast/Flag~~/Pillar
 - A *BRASS HOSE*.....set in ~~conc~~/rock has been ~~placed~~/found, bearing *340*.....°M from ~~Mast/Flag~~/Pillar
 - A.....set in ~~conc~~/rock has been placed/.....°M from Mast/Plug/Pillar
 - Action required:.....

STANDPOINT:

Mark	Direction	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
			above standpt.				above standpt.
			below				below
			above standpt.				above standpt.
			below				below
			above standpt.				above standpt.
			below				below
			above standpt.				above standpt.
			below				below
			above standpt.				above standpt.
			below				below

Prepared by: *P.B.T.S 13x Acacia* Checked: *P.B.T.S*

S:2733-1



Checked

Noted on U.T.M. Card

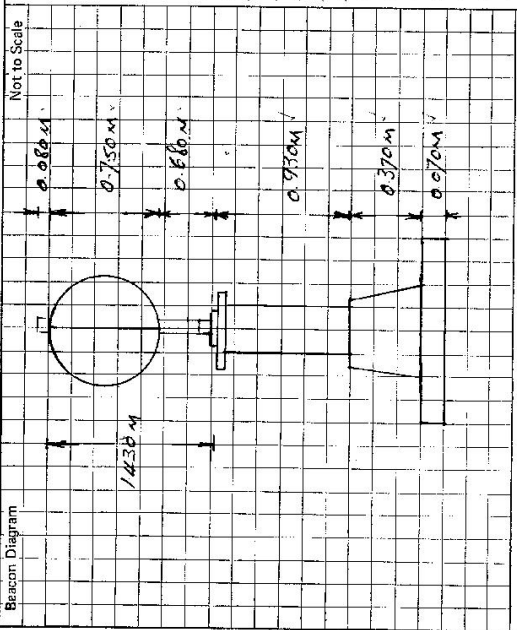
St. 2735-2 D. West, Government Printer

STATION COPE 55 (S) TS - 6060

Owner's Name: MR C WILLIAMS Current Occupant:
 Address: 1433 M Address:
 Phone: 645503170 Phone:

ACCESS

Access Report of 11/18/1981 was found suitable/unavailable.
 FEATURE
 800 185Y OFFICE BUILDING TAKE ULAH ROAD
 942 TURN LEFT SIGN CARBARY
 1200 TURN RIGHT & CROSS GRID PROPERTY "HARTFORD"
 1244 DOUBLE IRON GATES
 1265 GRID
 1270 CREEK CROSSING
 1289 PAS HOUSE ON RIGHT
 1302 LONG DOUBLE IRON GATES
 1308 IRON GATE SIGN ON RIGHT - FENCE ON LEFT
 1330 TURN LEFT AT END OF FENCE
 1340 DOUBLE IRON GATES - WHEN TURN HARD RIGHT
 1442 IRON GATE - FENCE TRACK
 1488 TURN LEFT OFF TRACK THROUGH IRON GATE & HEAD IN
 N.E. A NORTH WEST DIRECTION ON VERY FAINT TRACK
 FENCE & THEN TURN RIGHT IN SOUTHERLY DIRECTION X
 1750 LEAVE VEHICLE & WALK TO TRIG
 ABOUT 2 MINUTES EASY WALK WITH LOAD



This section to be completed by officer constructing pillar.

Original station mark found/~~not found~~.
 Description of mark: BRASS TRIG PUS
 Original beacon found/not found.
 Description of beacon:
 Height Top of Vanes to Top Mark m.
 Height of mark m. above below G.L.
 Diameter of Vanes m. Height of Cairn m.
 Original Beacon has/has not been destroyed by me.

Date	Record of Station