

LAND INFORMATION CENTRE

GEODETTIC SURVEY OF N.S.W.

GEODETTIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: **KARUAH** No.: **2670**

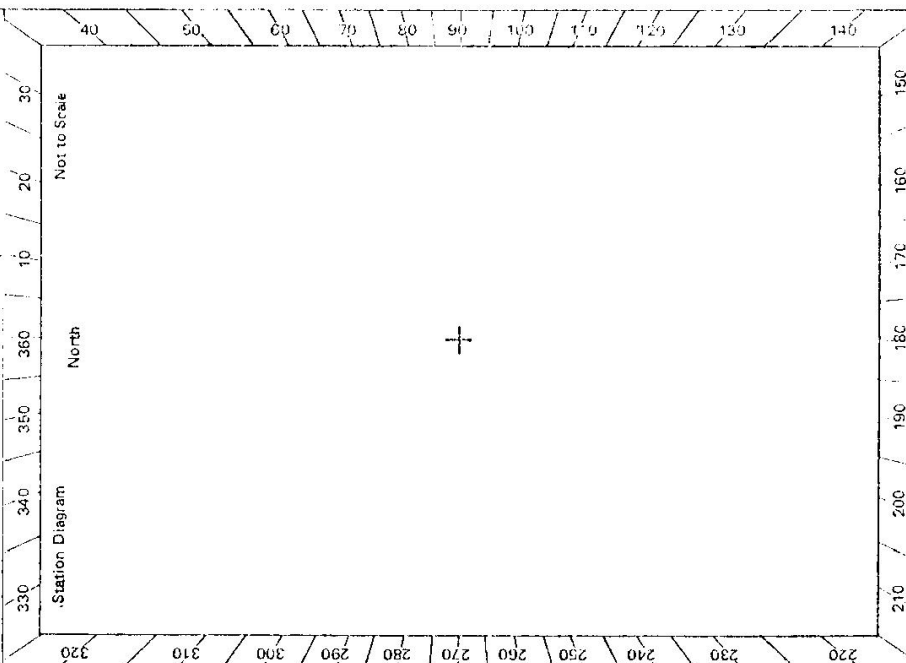
MAP SHEET SCALE 1:250 000

INSPECTED BY: _____ DATE: _____

AUTHORITY: _____

FIELD BOOK: _____

- Description: _____
- Note: *Cross out word or words which do not apply*
1. Cleared by Janes bearing..... from Trig. Mast
 2. Mast & Vanes have been painted white & black respectively.
 3. The station/pillar was unplied/not unplied/constructed on..... 19....., 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} rock/concrete; Mark is.....m. ^{above} G.L. _{below}
 Height of Top Vanes to Top Mark/Pillar platem. Diameter of Vanes (vertical).....m.
 Height of Cairn.....m. Diameter of Cairn.....m. Name Plate found/not found/placed.
 Length of Mastm. (approximate if not unplied)
 4. A.....set in conc/rock has been placed/found, bearing.....°M from Mast/Plug/Pillar
 5. A.....set in conc/rock has been placed/found, bearing.....°M from Mast/Plug/Pillar
 6. A.....set in conc/rock has been placed/found, bearing.....°M from Mast/Plug/Pillar
 7. A.....set in conc/rock has been placed/found, bearing.....°M from Mast/Plug/Pillar
 8. Action required:.....



STANDPOINT:			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
			above standpt.				above standpt.
			below				below

Prepared by: _____ Checked: _____ Noted on U.T.M. Card

TS 2735-2 D. West, Government Printer

Beacon Diagram: No: to Scale

~~REF PORT 06-93
 ACCESS ONLY~~

STATION **KARUAH TS 2670**

Owner's Name:
 Address:
 Phone:

Current Occupant:
 Address:
 Phone:

ACCESS

Access Report of 9.1.06.93 was found suitable/unsuitable.
 0.0 Km North end Karuah Bridge - Proceed North.
 5.7 Km Turn right at overhead Power lines
 6.85 Proceed along easement track.
 7.3 Pass dirt track on right, cross small creek.
 7.8 Turn left onto dirt track.
 8.05 Y intersection around tree track rejoins
 8.07 Cross creek bed.
 8.15 Turn left off main track.
 8.6 VEEER around fallen tree over track then proceed along track again.
 Stop at top of hill:-
 white TS and Arrow (TS^N) Painted
 on exposed rock left of track.
 Proceed on foot 25-30 min. walk.

Date	Record of Station

This section to be completed by officer constructing pillar.

Original station mark found/not found.

Description of mark:

Original beacon found/not found.

Description of beacon:

Height Top of vanes to Top Mark.....m.

Height of mark.....m. above below G.L.

rock/conc.....m.

Diameter of Vanesm. Height of Cairn.....m.

Original Beacon has/has not been destroyed by me.

CENTRAL MAPPING AUTHORITY

Department of Lands

Trigonometrical 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 lances bearing 220°M from Trig. Mast
 3. Trig. Mast & Vanes have been painted white & black respectively.
 4. The Trig. was ~~unpiled~~/not unpiled, dimensions now being: Concrete Steel plug, Brass plug, Bolt, G.I. Pipe should be explicit, e.g. Steel plug, Brass plug, Bolt, G.I. Pipe
- Description of mark..... m above rock/concrete m below G.L.
- Height of Top Vanes to Top Mark 1.25 m. Diameter of Vanes (vertical) 1.11 m.
- Height of Cairn 1.25 m. Diameter of Cairn 2.5 m.
- Length of Mast 2.87 m. (approximate if not unpiled)

5. A..... set in conc/rock has been placed..... m. bearing.....°M from Trig. Mast
6. A..... set in conc/soil has been placed..... m. bearing.....°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..... to..... m. bearing.....°M
10. Connection..... to..... m. bearing.....°M
11. Connection..... to..... m. bearing.....°M
12. Connection..... to..... m. bearing.....°M
13. Diff. Ht. is..... m. ~~above below~~
14. Diff. Ht. is..... m. ~~above below~~
15. Diff. Ht. is..... m. ~~above below~~
16. Diff. Ht. is..... m. ~~above below~~

Prepared by: P. CHEN

Checked:

Noted on U.T.M. Card

STATION KARUAH GR TS 2670
 Co: Gloucester Ph: Carrington

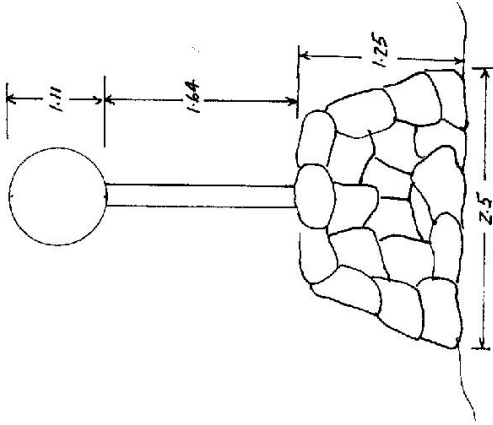
Map Sheet: PORT STEPHENS No: 9332-N

Inspected by: P. CHEN Date: 21 MARCH, 1977

Authority C.M.A. Field Book:

Beacon Diagram

Not to Scale



Date	Record of Station

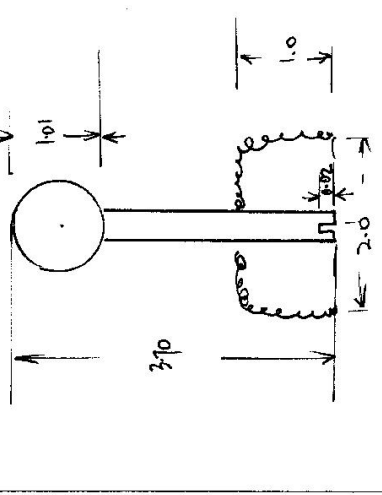
Checked

7.5 10

Department of Lands Integrating survey of N.S.W.
RECONNAISSANCE and MAINTENANCE REPORT

STATION **TS KARUAH** 2670
 Co: **Gloverster** Ph: **Corrington**
 Map Sheet: **P. T. Stephens** No: **9332**
 Inspected by: **P. McPeck** Date: **25.8.77**
 Authority **ISD NCLM** Field Book: **PP 548**

Beacon Diagram Not to Scale



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

1. ~~Completely cleared to permit 360° vision to surrounding triggs.~~
2. Cleared by limes bearing **2.48 m to 135° W.** 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 plug** should be explicit, e.g. Steel plug, Brass plug, Balr, Concrete Pillar
 Height of mark **0.02** m ^{above} rock, ~~concrete~~ _{below} G.L.
 Height of Top Vanes to Top Mark/~~Top pillar plate~~ **3.68** m Diameter of Vanes (vertical) **1.01** m.
 Height of Cairn **1.0** m. Diameter of Cairn **2.0** m.
 Length of Mast **3.70** m. (approximate if not unpiled)

5. ~~A brass~~ set in conc./rock has been placed **4.54** m. bearing **320** °M from Trig. Mast/pillar
6. ~~A brass~~ set in conc./soil has been placed **3.47** m. bearing **24** °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 **B12** to **B11** : **4.359** m. bearing **274** °M
10. Connection ~~to~~ : ~~to~~ m. bearing °M
11. Connection ~~to~~ : ~~to~~ m. bearing °M
12. Connection ~~to~~ : ~~to~~ m. bearing °M

13. Diff. Ht. Trig. Plug is **0.020** m. ^{above} ~~below~~ **B12**
14. Diff. Ht. Trig. Plug is **0.914** m. ^{above} ~~below~~ **B1**
15. Diff. Ht. **B12** is **0.57** m. ^{above} ~~below~~ **B11**
16. Diff. Ht. ~~is~~ m. ^{above} ~~below~~ ~~Checked:~~

Prepared by: **CPA** incorrect in diff. see Report 28/4/77

Date	Record of Station

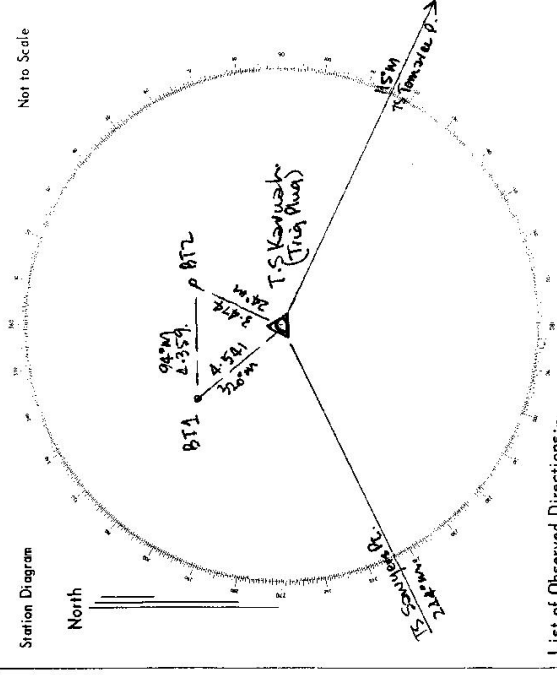
STATION TS KARUJAH 2670

Owners Name: Current Occupant:

Address: Address:

- Access 25-8-1977
 Km. Feature
 0.0 Karuah P.O. Take highway north towards Buladelah.
 6.4 Turn right onto gravel track (old highway) where transmission line crosses highway.
 6.6 Fence intersection on R.H.S. leave vehicle here and walk to Trig - follow fence in a southerly direction to top of ridge - head west across top of waterfall - follow ridge in west direction crossing a logging track and follow ridge in a S.W direction to trig.

Approx 1 hour with good.
 NOT SLITZ BOARD
 ANY MORE
 P-POWER 24-8-78



List of Observed Directions:-

Standpoint: Trig Plug		Standpoint: BT2	
Station	Direction	Station	Direction
TS Tomaree P	115° 00' 00"	BT2 Karuah	0° 00' 00"
TS Sawyers Pt	244° 01' 34.6"	Tran Triangle No1	49° 47' 51.5"
Tran Triangle No1	349° 53' 18.3"		
Tran Triangle No2	24° 10' 32.9"		
Station	Direction	Station	Direction

CENTRAL MAPPING AUTHORITY
Department of Lands

Trigonometrical 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 Trig.
2. Cleared by lanes bearing 86° to 96° , 61° to 71° , 99° to 105° , 118° to 128° , 141° to 149° from Trig. Mast
 238° to 245° , 267° to 278° , 295° to 312°
3. Trig. Mast & Vanes have been painted white & black respectively.
4. The Trig. was unpiled/not unpiled, dimensions now being: _____

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

Height of mark..... m above rock/concrete m above G.I. Below

Height of Top Vanes to Top Mark..... m. Diameter of Vanes (vertical) 1.015 m.

Height of Cairn..... m. Diameter of Cairn 2.40 m.

Length of Mast 3.975 m. (approximate if not unpiled)

5. A. ~~Base~~ A. set in conc/rock has been placed..... m. bearing 26° M from Trig. Mast
6. A. ~~Base~~ A. set in conc/soil has been placed..... m. bearing 314° 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..... to..... m. bearing.....° M

10. Connection..... to..... m. bearing.....° M

11. Connection..... to..... m. bearing.....° M

12. Connection..... to..... m. bearing.....° M

13. Diff. Ht. is..... m. above

14. Diff. Ht. is..... m. above

15. Diff. Ht. is..... m. above

16. Diff. Ht. is..... m. above

Prepared by: _____

Checked: _____

Noted on U.T.M. Card

74598

STATION KARUAH TS 2670

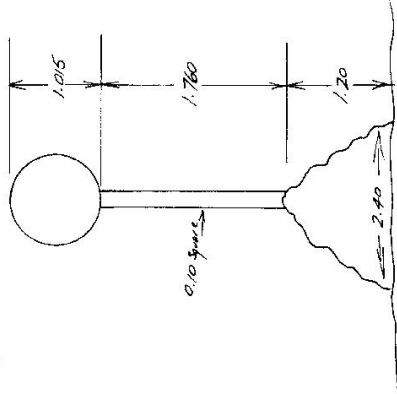
Co: GLOUCESTER Ph: CARRINGTON

Map Sheet: PORT STEPHENS No: 5332

Inspected by: M.L. Morrison Date: 25/10/77

Authority: Field Book: 1561

Beacon Diagram Not to Scale



Date

Record of Station

TRIG IS IN FAIR CONDITION MAST VANES O.K.
CAIRN BASELY DISMANTLED + MAST LEASE + SLIGHTLY
OFF VERTICAL.
CORRECTION - 267° to 262° N4 1/2° S
THE REST OF TRIMBER ON ALL FAIRLY NEW

Checked

74-08

CENTRAL MAPPING AUTHORITY
Department of Lands
Trigonometrical Survey of N.S.W.

RECONNAISSANCE and MAINTENANCE REPORT

STATION **KARAH** **TS 2670**

Co: **GALENSIDE** Ph: **CAIROUKTAL**
Map Sheet: **60A1, 5081A1** No: **5357**
Inspected by: **L.P. HODGSON** Date: **28th May 1982**
Authority: **Field Book: 01651**

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

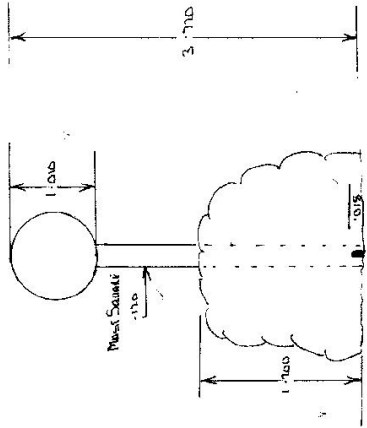
1. ~~Completely cleared to permit 360° vision to surrounding Trigs.~~
2. Cleared by lanes bearing **180°**, **270°**, **330°**, **300°**, **240°**, **210°**, **150°**, **120°** from Trig. Mast
3. Trig. Mast & Vanes have been painted white & black respectively. ✓
4. The Trig. was ~~unpiled~~, dimensions now being: ~~Original Station Mark found~~

Description of mark: ~~Rock~~ **rock** should be explicit, e.g. Steel plug, Brass plug, Bolt, G.I. Pipe
Height of mark: ~~5.58~~ **5.58** m ^{above} ~~rock~~ **rock**/~~concrete~~ **concrete** m ^{above} ~~G.L.~~ **G.L.**
Height of Top Vanes to Top Mark: ~~3.792~~ **3.792** m. Diameter of Vanes (vertical) ~~4.00~~ **4.00** m.
Height of Cairn: ~~3.792~~ **3.792** m. Diameter of Cairn: ~~3.400~~ **3.400** m.

- Length of Mast: ~~3.792~~ **3.792** m. (approximate if not unpiled)
5. A ~~Copied~~ **Water** ~~mark~~ **mark** set in conc/~~rock~~ **rock** has been placed ~~3.720~~ **3.720** m. bearing ~~244~~ **244** °M from Trig. Mast
 6. A ~~Water~~ **Water** ~~mark~~ **mark** set in conc/~~rock~~ **rock** has been placed ~~3.405~~ **3.405** m. bearing ~~22~~ **22** °M from Trig. Mast
 7. A ~~Water~~ **Water** ~~mark~~ **mark** set in conc/~~rock~~ **rock** has been placed ~~4.541~~ **4.541** m. bearing ~~310~~ **310** °M from Trig. Mast
 8. A ~~Water~~ **Water** ~~mark~~ **mark** set in conc/~~rock~~ **rock** has been placed ~~4.877~~ **4.877** m. bearing ~~48~~ **48** °M

9. Connection ~~WB Mk 2 to WB Mk 1~~ **WB Mk 2 to WB Mk 1** is ~~5.168~~ **5.168** m. bearing ~~5~~ **5** °M
10. Connection ~~WB Mk 2 to WB Mk 1~~ **WB Mk 2 to WB Mk 1** is ~~5.168~~ **5.168** m. bearing ~~5~~ **5** °M
11. Connection ~~WB Mk 2 to WB Mk 1~~ **WB Mk 2 to WB Mk 1** is ~~5.168~~ **5.168** m. bearing ~~5~~ **5** °M
12. Connection ~~WB Mk 2 to WB Mk 1~~ **WB Mk 2 to WB Mk 1** is ~~5.168~~ **5.168** m. bearing ~~5~~ **5** °M
13. Diff. Ht. ~~WB Mk 2 to WB Mk 1~~ **WB Mk 2 to WB Mk 1** is ~~2.40~~ **2.40** m. ^{above} ~~below~~ **below** ~~Rock~~ **Rock**
14. Diff. Ht. ~~WB Mk 2 to WB Mk 1~~ **WB Mk 2 to WB Mk 1** is ~~1.97~~ **1.97** m. ^{above} ~~below~~ **below** ~~Rock~~ **Rock**
15. Diff. Ht. ~~WB Mk 2 to WB Mk 1~~ **WB Mk 2 to WB Mk 1** is ~~1.78~~ **1.78** m. ^{above} ~~below~~ **below** ~~Rock~~ **Rock**
16. Diff. Ht. ~~WB Mk 2 to WB Mk 1~~ **WB Mk 2 to WB Mk 1** is ~~1.78~~ **1.78** m. ^{above} ~~below~~ **below** ~~Rock~~ **Rock**

Prepared by: _____ Checked: _____
Noted on U.T.M. Card



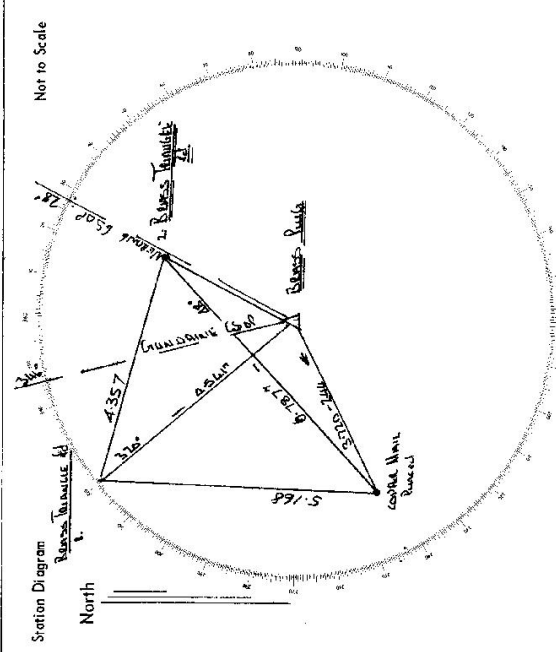
Beacon Diagram
Net to Scale

Date _____
Record of Station _____

STATION KARUNAH TS 2670

Owners Name.....
 Current Occupant.....
 Address.....
 Address.....

Access 28-11-1977
 KARUNAH BRIDGE, PROCEED WORK ✓
 TUNJUK KIRAH OFF HONGKONG MAIN THROUGH EAST AREA TO LOW LEAD
 4760 FROM TUNJUK LEFT
 4770 KIRAH TO KIRAH
 4780 TRADE LEFT FORK
 5000 LEADS LEVEL
 5170 TUNJUK R.H. TOWER
 5255 KIRAH TO CROSS (L)
 6120 LEAD TOWER, TUNJUK LEFT MAIN FOUND BUNZEN TOWER
 6140 LEAD VEHICLE
 20min walk to Δ KARUNAH



List of Observed Directions:-

Station	Bearings	Angles	Standpoint: CORNER MAIN BRIDGE	Station	Direction
McDonald 650	19° 00'	00'	McDonald 650	McDonald 650	000 00 ✓
Corner Main of four tower	32° 17'	50'	BRIDGE TOWER (L)	BRIDGE TOWER (L)	17 17 50 ✓
BRIDGE TOWER (L)	280° 57'	10'	BRIDGE TOWER (R)	BRIDGE TOWER (R)	36 11 00 ✓
Corner Main 650	346° 44'	00'	CORNER MAIN 650	CORNER MAIN 650	346 44 00 ✓
BRIDGE TOWER (L)	327° 10'	00'	BRIDGE TOWER (L)	BRIDGE TOWER (L)	327 10 00 ✓

REMARKS
 TUNJUK BRIDGE MARKS (BRIDGE TOWER) WERE FOUND ON
 TUNJUK STATION MAIN WALK CORNER MAIN 650

A. H. M. S.
M. S. S. S.