

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF N.S.W.

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: WARATAH No.: TS 4631

MAP SHEETS SCALE 1:250 000 NEW CASTLE SCALE 1:100 000

INSPECTED BY: R. CURRIS DATE: 1968

AUTHORITY: LANDS FIELD BOOK: 216

Description: *Note: Cross out word or words which do not apply*

1. Cleared by lanes bearing..... from Trig. Mast **1 of 2**

2. Mast & Vanes have been painted white & black respectively.

3. The station/pillar was unspiled/not unspiled/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 below rock/concrete; Mark is..... m. above below G.L.

Height of Top Vanes to Top Mark/Pillar plate..... m. Diameter of Vanes (vertical)..... m.

Height of Cairn..... m. Diameter of Cairn..... m. Name Plate found/not found/placed.

Length of Mast..... m. (approximate if not unspiled)

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:.....

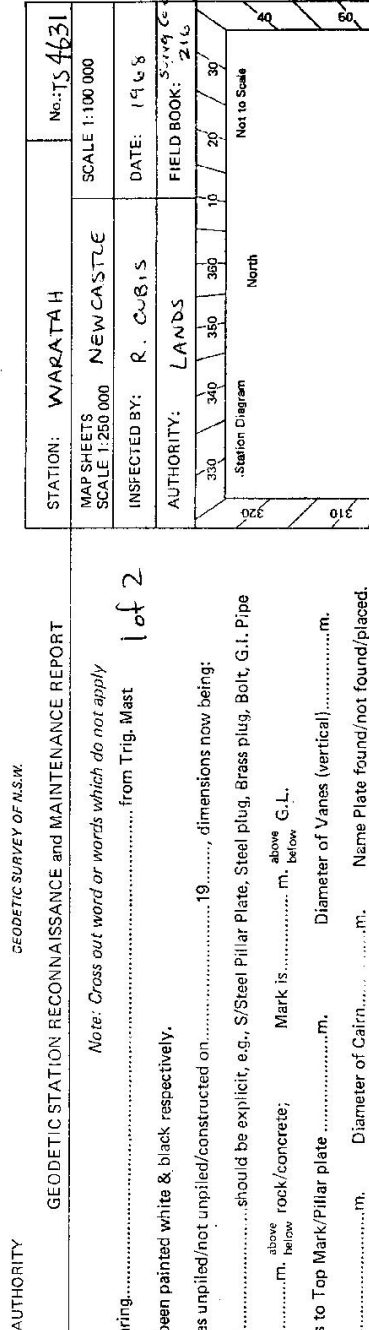
STANDPOINT: PM 10444

STANDPOINT: PM 9882

Mark	Direction	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
TS SHEPHERDS HILL (4883)	0 00 00		above standpt	PM 9883 SHEPHERDS HILLS	0 00 00		above standpt
PM 9882	5 48 50	4.056	above standpt	WARATAH NEW (Top of G.I. PIPE)	92 24 25	15.581	above standpt
WARATAH NEW (Top of G.I. PIPE)	78 02 20	16.337	above standpt	GREAT S'LOAF TS	105 48 10	15.304	above standpt
G.I. PIPE	90 24 30	15.133	above standpt	GREAT S'LOAF TS	148 58 55		above standpt
GREAT S'LOAF TS	148 58 18		above standpt	WARATAH 1938 ARMY	185 23 05	39.607	above standpt
WARATAH 1938 ARMY	185 19 36	31.550	above standpt	DIRECTION PLAQUE	2 01 14	30 28 40	above standpt
DIRECTION PLAQUE	2 03 08	24.018	above standpt	HDNB BEARIE PARK	2 07 57	20 1 51	above standpt
HDNB BEARIE PARK	3 53 44	24 2 71.9	above standpt				

Prepared by: *Be...* Checked: *...* Avoid on U.T.M. Card

S.O. 1407



CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF N.S.W.

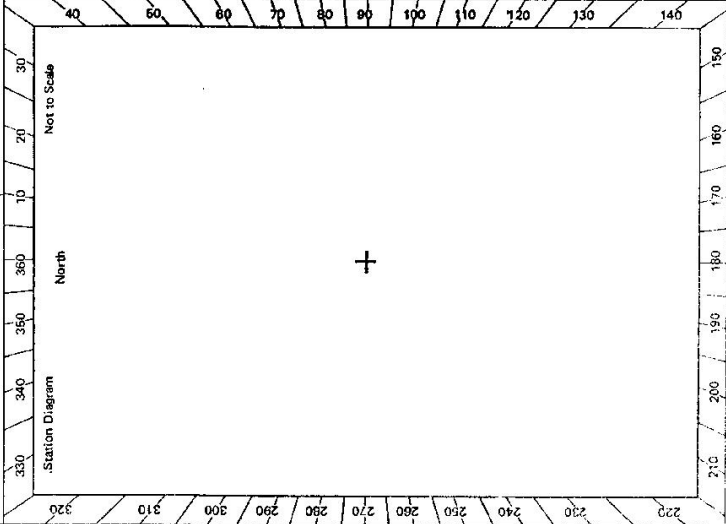
GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: **WARATAH** No.: **4631**

MAP SHEETS SCALE 1:250 000 N. CASTLE SCALE 1:100 000

INSPECTED BY: **R. COBBS** DATE: **1968**

AUTHORITY: **LANDS** FIELD BOOK:



Description: **2 of 2**

Note: *Cross out word or words which do not apply* from Trig. Mast

1. Cleared by lanes bearing..... from Trig. Mast
2. Mast & Vanes have been painted white & black respectively.
3. The station/pillar was unpiled/not unpiled/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 below G.L.
 - Height of Top Vanes to Top Mark/Pillar plate.....m. Diameter of Vanes (vertical).....m.
 - Height of Cairn.....m. Diameter of Cairn.....m. Name Plate found/not found/placed.
 - Length of Mast.....m. (approximate if not unpiled)
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: HDWB "BRAYE PARK" 3				STANDPOINT: HDLUB "BRAYE PARK" 3			
Mark	Direction	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
SHEPHERDS HILL PM 9883	0 00 00	1513	above standpt	SHEPHERDS HILL PM 9883	0 00 00	0 00	above standpt
PM 9932	27 55 45	1513	above standpt	GRANT S'LOAF TS 148 58 19	148 58 19	2-719	above standpt
WARATAH NEW (G.I.)	87 36 03	16288	above standpt	PM 10444	173 43 20	2-719	above standpt
G.I. PIPE	100 23 34	15683	above standpt	MCB815 LIGHTHOUSE	336 23 37		above standpt
GRANT S'LOAF TS 148 58 19			below standpt				below standpt
			above standpt				above standpt
			below standpt				below standpt

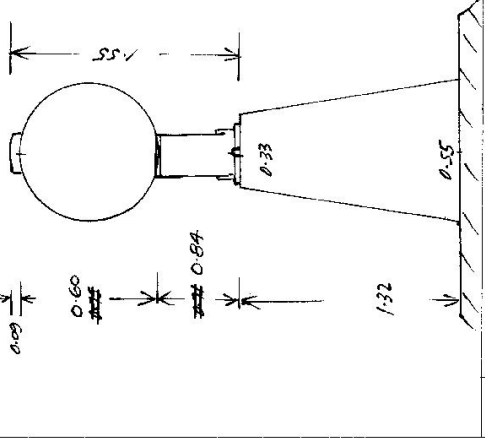
Prepared by:..... Checked:.....

Noted on U.I.M. Card

7-103

Department of Lands
 Integration: *roy of N.S.W.*
 RECONNAISSANCE and MAINTENANCE REPORT 4631
 STATION *KARATAH (P)*
 Co: *Northumberland*
 Ph: *Newcastle*
 Map Sheet: *Kooragang Island*
 No: *6357*
 Inspected by: *ARC Graham*
 Date: *23.01.25*
 Authority: *S.S.D.*
 Field Book: *PDP 114*

Beacon Diagram
 Not to Scale



Date: *17.7.25*
 Record of Station
Cons. Piller placed over PM 10444

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~~ *from Trig. Mast*
3. Trig. Mast & Vanes have been painted white & black respectively. ✓
4. The Trig. was unpiled/~~re-constructed~~, dimensions now being:

Description of mark... *Concrete Piller* should be explicit, e.g. Steel plug, Brass plug, Bell, Concrete Pillar

Height of mark... *1.32* m above *rock/concrete* *1.44* m above *G.L.*
 Height of Top Vanes to ~~Top pillar plate~~ *Top pillar plate* *7.46* m Diameter of Vanes (vertical) *0.60* m.
 Height of ~~Base~~ *Pillar* *1.32* m. Diameter of ~~Base~~ *Base* *33 x 55* m.
 Length of Mast *1.55* m. (approximate if not unpiled)

5. A. *PM 9882* set in conc/~~rock~~ has been placed/*id* *4.63* m. bearing *121° M* from Trig. Mast/pillar
6. A. *B.T.* set in conc/~~rock~~ has been placed/*id* *6.538* m. bearing *210° M* from Trig. Mast/pillar
7. A. set in conc./soil has been placed/*id* m. bearing m. from Trig. Mast/pillar
8. A. set in conc./rock has been placed/*id* m. bearing m. from Trig. Mast/pillar
9. Connection *PM 9882* to *B.T.* : *2.713* m. bearing *243° M*
10. Connection to : m. bearing m.
11. Connection to : m. bearing m.
12. Connection to : m. bearing m.
13. Diff. Ht. *Top of Piller Plate* is *1.733* m. above *PM 10444*
14. Diff. Ht. *Top of Piller Plate* is *1.789* m. above *PM 9882*
15. Diff. Ht. *Top of Piller Plate* is *1.65* m. above *B.T.*
16. Diff. Ht. *Top of Screen Piller* is *1.748* m. above *PM 10444*

Prepared by: *ARC Graham* Checked: *ARC Graham*

CENTRAL MAPPING AUTHORITY
Department of Lands

Trigonometrical Survey of N.S.W.

7-4-88

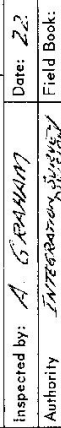
RECONNAISSANCE and MAINTENANCE REPORT

STATION **WARATAH TS 4631**

This Trig. Station has been:-

Co: **NEUTHEMBERGER** Ph: **NEWCASTLE**
Map Sheet: **NEWCASTLE** No: **9232**
Inspected by: **A GRAHAM** Date: **22.2.78**
Authority: **INTERDEPARTMENTAL** Field Book:

Beacon Diagram
Not to Scale



Date: **22/2/78** Record of Station
NEW MAST PLACED

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..... from Trig. Mast

3. Trig. Mast & Vanes have been painted white & black respectively.

4. The Trig. was unpiled/not unpiled, dimensions now being: *original height. Spigot found near found*

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.L.

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

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

Length of Mast..... 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: **AG** 27/3/78 Checked: **AG** Noted on U.T.M. Card

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF NSW
 GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

Description:

1. Cleared by Janes bearing.....
 Note: Cross out word or words which do not apply
 from Trig. Mast.

2. Mast & Vanes have been painted white & black respectively.

3. The station/pillar was unpiled/not unpiled/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 Mast.....m. (approximate if not unpiled)

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:

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

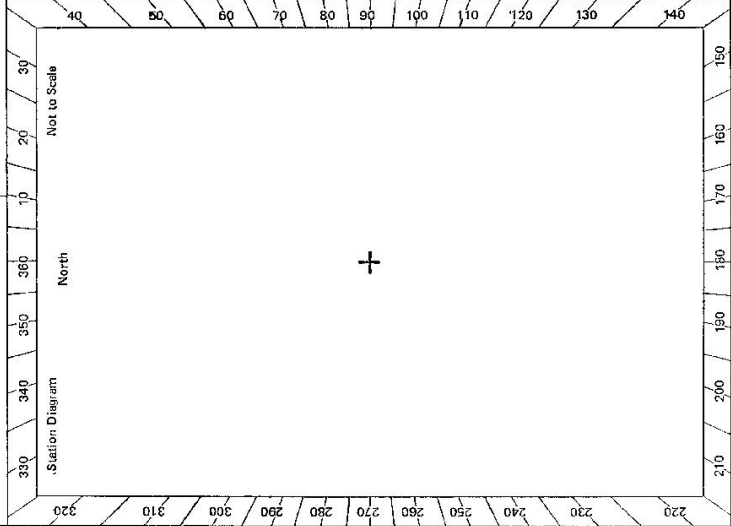
Prepared by: *Re Neg*

13.4.78. Checked:

Noted on U.T.M. Card

ST 2733-1

STATION: **WARATAH G.S. (P)** No.: **TS 4621**
 MAP SHEET SCALE 1:250 000 **NEWCASTLE**
 INSPECTED BY: **A. GRAHAM** DATE: **22.2.78.**
 AUTHORITY: **I. S. D.** FIELD BOOK:

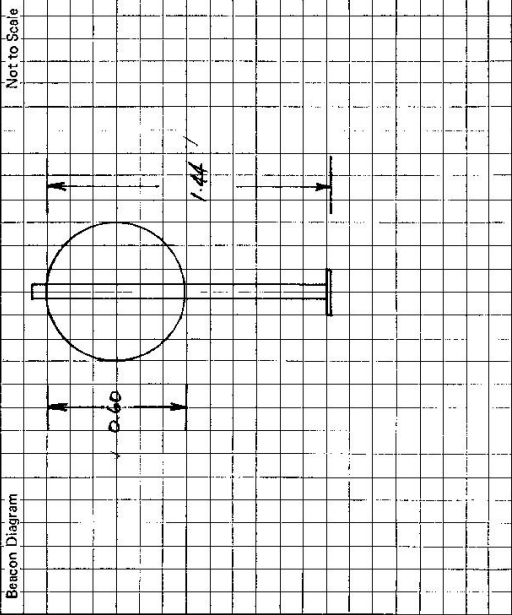


Checked *Hausen* *Butch* *3/5/78*

STATION **WARATAH G.S. (P) TS 4631**

Owner's Name:
 Address:
 Phone:
 Current Occupant:
 Address:
 Phone:

ACCESS
 Access Report of...../19.....was found suitable/unsuitable.



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 Vanas to Top Mark.....m.

Height of mark.....m. above rock/conc.....m. below G.L.

Diameter of Vanes.....m.

Height of Cairn.....m.

Original Beacon has/has not been destroyed by me.

Date **22.2.78** Record of Station **Placement of New Mast & Vanes /**

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF N.S.W.

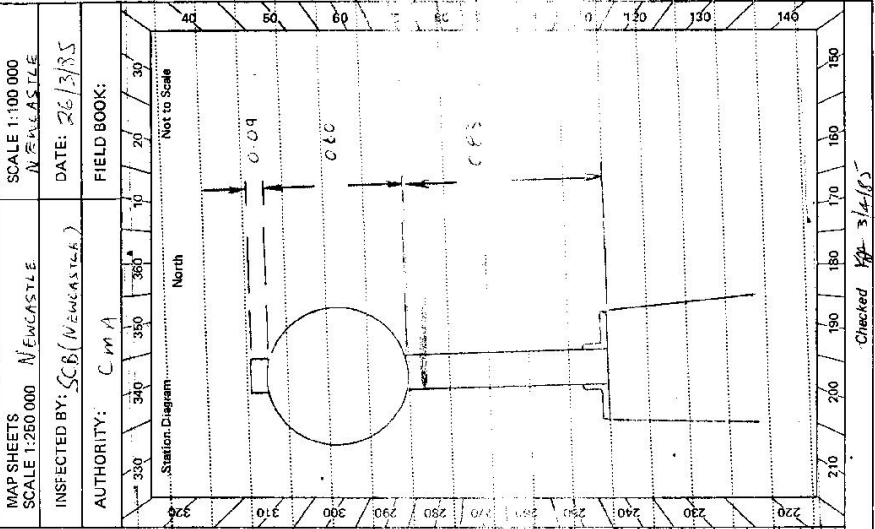
GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: **WARATAH** No.: **4631**

Description:

Note: *Cross out word or words which do not apply*

1. Cleared by lanes bearing..... from Trig. Mast
2. Mast & Vanes have been painted white & black respectively. **NEW MAST & VANES ONLY**
3. The station/pillar was unpainted/not unpainted/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 G.L. Mark is.....m. above G.L.
Height of Top Vanes to Top ~~Mark~~/Pillar plate **1.43**.....m. Diameter of Vanes (vertical) **0.60**.....m.
Height of Cairn.....m. Diameter of Cairn.....m. Name Plate found/not found/placed.
Length of Mast.....m. (approximate if not unpainted)
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:

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

Prepared by: *[Signature]*

Checked: **3-5-85**

Noted on U.T.M. Card *[Signature]*

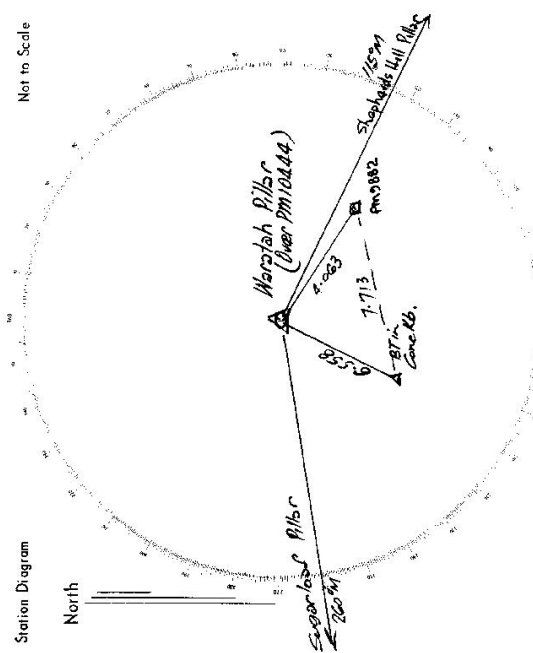
Checked **3/4/85**

STATION **WARATAH (P) TS 4631**

Overseer Name: **Newcastle City Council** Current Occupant:

Address: Address:

Access: **23.9.1975**
0.2 km IJsn of Edith St + Crinitike Road, Lambton
0.65 km Travel north along Edith St.
0.90 km Turn left up buteman Road at Sign "Brewer Pl Lookout"
 Trig.



List of Observed Directions:-

Station	Direction	Station	Direction
Superloop Hill Pillar	0° 00' 00"	Standpoint: PM19882	0° 00' 00"
PM19882	5° 50' 13"	Pillar	30° 04' 45"
B.T.	95° 47' 24"	BT in Conc.	
Superloop Pillar	148° 58' 16.7"		
Station	Direction	Station	Direction