

CENTRAL MAPPING AUTHORITY
Department of Lands

Trigonometrical Survey of N.S.W.

RECONNAISSANCE and MAINTENANCE REPORT

STATION **DURRAS** G.S. 75 **5940**

Co: **ST. VINCENT** | Ph: **K1020A**

Map Sheet: **BATEMAN'S BAY** | No: **8926**

Inspected by: **H. BORDER** | Date: **10-7-74**

Authority: **C. M. A.** | Field Book: **0/382**

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 Trigs.
2. Cleared by lanes 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 **TRIG. PILE W. ROCK IS.** should be explicit, e.g. Steel plug, Brass plug, Bolt, G.L. 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 ~~Star Picket N°1~~ set in conc/rock has been placed **found** **3.863** m. bearing°M from Trig. Mast **Plus Mast**
 6. A ~~Star Picket N°2~~ set in conc/soil has been placed **found** **3.730** m. bearing°M from Trig. Mast **Plus Mast**
 7. A ~~Star Picket N°3~~ set in conc/soil has been placed **found** **3.844** m. bearing°M from Trig. Mast **Plus Mast**
 8. A set in conc/rock has been placed m. bearing°M from Trig. Mast
 9. Connection ~~Star Picket N°1 to N°2~~ **Star Picket N°1 to N°2** is **5.836** m. bearing°M
 10. Connection ~~Star Picket N°1 to N°3~~ **Star Picket N°1 to N°3** is **7.598** m. bearing°M
 11. Connection ~~Star Picket N°2 to N°3~~ **Star Picket N°2 to N°3** is **5.777** m. bearing°M
 12. Connection to m. bearing°M
 13. Diff. Ht. ~~Star Picket N°1 is 0.350~~ **Star Picket N°1 is 0.350** m. above **Trig. Plug 41** **Star Picket N°1 is 308** above **Star Picket N°3**
 14. Diff. Ht. ~~Star Picket N°2 is 0.129~~ **Star Picket N°2 is 0.129** m. above **Trig. Plug 41** **Star Picket N°2 is 0.091** above **Star Picket N°3**
 15. Diff. Ht. ~~Star Picket N°3 is 0.040~~ **Star Picket N°3 is 0.040** m. above **Trig. Plug 41**
 16. Diff. Ht. ~~Star Picket N°1 is 22.0~~ **Star Picket N°1 is 22.0** m. above **Star Picket N°2**

Prepared by: **Rob May 9-6-74** Checked: Noted on U.T.M. Card

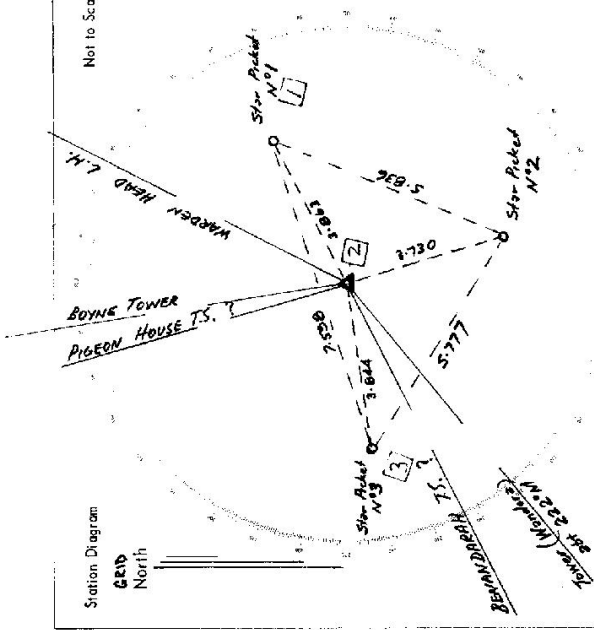
Date Record of Station

STATION **DURRAS G.S.^{TS} 5940**

Owners Name.....
 Address.....
 Access.....

Current Occupant.....
 Address.....
 Access.....

Not to Scale



List of Observed Directions:-

Standpoint: Trig Peg in rock fld. Standpoint: Trig Peg in rock fld.

Station	Direction	Station	Direction
Tower (Wendens)	157 59 40	WARDEN HEAD L.H.	157 19 39
BEMANDABARA T.S.	13 30 57	Star Picket N°1 in same fld.	192 53 24
Star Picket N°3 in same fld.	32 30 33	Star Picket N°2 in same fld.	203 17 00
PIGEON HOUSE T.S.	114 15 12	TOWER (Wendens)	353 59 60
BOYNE TOWER	122 50 57		

Note: RA appears to be in error by 60°

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 lanes 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 Concrete Obs. Pillar 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 1.405 m. ✓ Diameter of Vanes (vertical) 0.755 m.
 Height of Cairn 1.395 m. Diameter of Cairn..... m.

Length of Mast 1.485 m. (approximate if not unpiled)

5. A Star Picket N°1 set in conc/rock has been placed 3.868 m. bearing.....°M from Trig. Mast Pillar
found
6. A Star Picket N°2 set in conc/rock has been placed 3.712 m. bearing.....°M from Trig. Mast Pillar
found
7. A Star Picket N°3 set in conc/rock has been placed 3.845 m. bearing.....°M from Trig. Mast Pillar
found

8. A..... set in conc/rock has been placed..... m. bearing.....°M from Trig. Mast

9. Connection Star Picket N°1 to Star Picket N°2 is 5.835 m. bearing.....°M

10. Connection Star Picket N°1 to Star Picket N°3 is 7.539 m. bearing.....°M

11. Connection Star Picket N°2 to Star Picket N°3 is 5.776 m. bearing.....°M

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

13. Diff. Ht. Star Picket N°1 is 1.387 m. below Pillar Plate Star Picket N°3 is 0.310 above Star Picket N°3

14. Diff. Ht. Star Picket N°2 is 1.608 m. below Pillar Plate Star Picket N°2 is 0.088 above Star Picket N°3

15. Diff. Ht. Star Picket N°3 is 1.696 m. below Pillar Plate

16. Diff. Ht. Star Picket N°1 is 0.220 m. above Star Picket N°2

Prepared by: Raul Obaya 9/6/76 Checked:

Noted on U.T.M. Card

Checked

STATION DURRAS G.S. PILLAR IS 5940

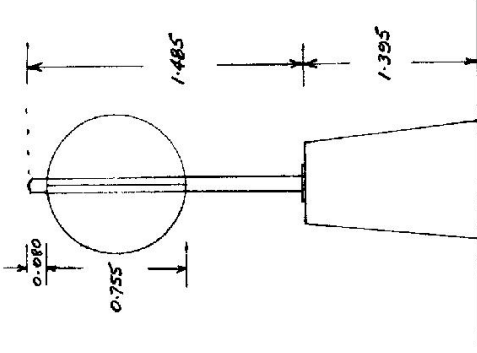
Co: S.T. VINCENT Ph: KIOLOA

Map Sheet: BATEMANS BAY No: 8026

Inspected by: H. BORDER Date: 20-2-75

Authority: C.M.A. Field Book: 01382

Beacon Diagram Net to Scale



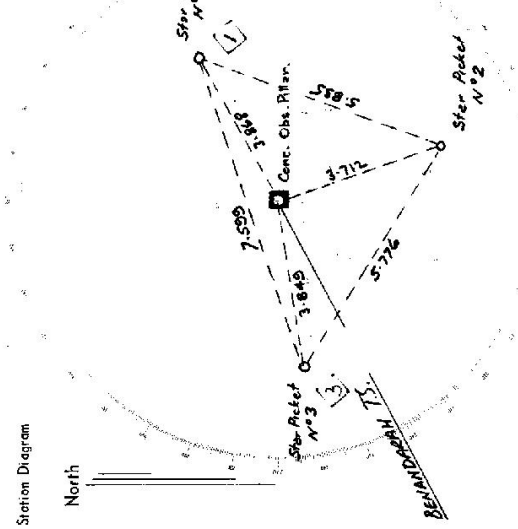
Date

Record of Station

STATION *DURRAS G.S. PILLAR TS 5940*

Owners Name.....
 Address.....
 Access.....

Not to Scale



List of Observed Directions:-

Standpoint: OBSERVING PILLAR		Standpoint:	
Station	Direction	Station	Direction
BENANDREAN T.S.	355 59 60		
Star Picket No. 3 in conc. 4d.	175 01 15		
Star Picket No. 1 in conc. 4d.	175 01 30		
Star Picket No. 2 in conc. 4d.	275 35 51		
BENANDREAN T.S.	355 59 63		
Station	Direction	Station	Direction

Department of Lands
 STATION T.S. 1916 DURRAS [P]
 Co: _____ Ph: _____
 Map Sheet: Wilschills 1:250 000 No: _____
 Inspected by: W.F. SAUNDERS Date: 15th July 1916
 Authority: Dept. of Main Roads Field Book: _____
 Beacon Diagram: _____ Not to Scale

Integral 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 lanes 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 Concrete Pillar should be explicit, e.g. Steel plug, Brass plug, Bolt, Concrete Pillar
 Height of mark _____ m above rock/concrete _____ m above G.L.
 Height of Top Vanes to Top Mark/Top pillar plate _____ 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/fd _____ m. bearing _____ °M from Trig. Mast/pillar
6. A. _____ set in conc/soil has been placed/fd _____ m. bearing _____ °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 _____ 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. Rock Plate is 1.385 m. ^{above} R.M. 1
14. Diff. Ht. Pillar Plate is 1.695 m. ^{above} R.M. 3
15. Diff. Ht. _____ is _____ m. ^{above} _____
16. Diff. Ht. _____ is _____ m. ^{below} _____

Prepared by: W.F. Saunders Checked: D.M.R.

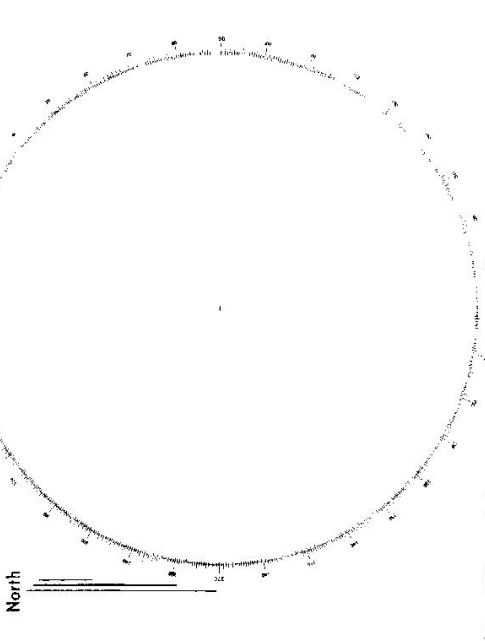
Date	Record of Station
<u>1916</u>	<u>Concrete pillar found (concrete pillar)</u>
	<u>Height used 285.235 m A.M.D.</u>

TS 5940 STATION T.S. 15 DURRAS [P]

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

Address.....
 Address.....

Station Diagram
 Not to Scale



List of Observed Directions:-

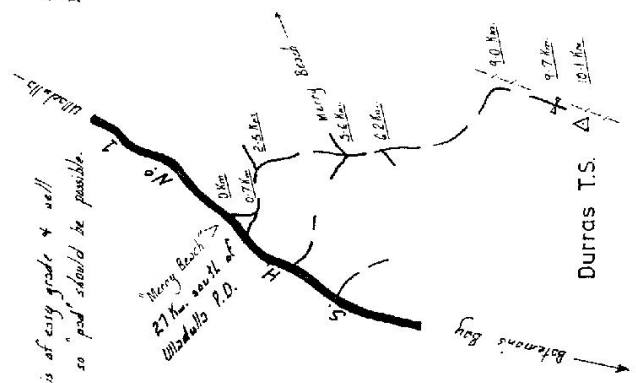
Standpoint:		Standpoint:	
Station	Direction	Station	Direction

Access

Helipad ground is of easy grade & well grassed so pad should be possible.

Pigeon House T.S. 332° Mag
 Whistler Head T.S. 17° Mag

"Berry Beach" 27 Km south of Wharfedale T.D.



DURRAS.

<p>ACCESS DIAGRAM</p> <p>Access By INTERNATIONAL TRUCK IN 2 WHEEL DRIVE 1978.</p> <p>BUTTERFIELD ROAD</p>		<p>ECCENTRIC AND REFERENCE MARK SKETCHES</p> <p>TO BE COMPLETED AT TIME OF OBSERVATION. SHOW POSITION OF INSTRUMENT AT TIME OF OBSERVATION.</p> <p>Station 1978</p>
<p>PHOTOGRAPHS</p>		<p>STATION DETAILS</p>
<p>PREPARED: A. Muir 15/03/78</p>		<p>Station Mark E.S.O.P. STAINLESS STEEL PILLAR PLATE.</p>
<p>1978</p>		<p>Beacon WHITE CONCRETE ALUMINUM, WHITE PVC. POST</p>
<p>1978</p>		<p>Length & Material of Pole</p>
<p>1978</p>		<p>Eccentric Mark</p>
<p>1978</p>		<p>Reference Marks MINI 3 SMOKE PIPES IN CONCRETE SQUARE IN EP G.P. IN 1978</p>
<p>1978</p>		<p>Vanes 0.76 dia</p>
<p>1978</p>		<p>Vanes Attached Below Top of</p>

Note: RA MISIDENTIFIED

REFERENCE MARKS AT DURRAS		Inocollite TIA N° 141913 Set Over PILLAR		Ht. of Instrument 0.207	
Object Sighted		RMI	SEARCH IN POST	RMB3	GT NAIL IN PEG
Horizontal Circle	F.L.	29 46 30	65 08 20	133 11 00	346 41 20
	F.R.	209 46 20	245 08 30	313 11 05	85 17 35
Horizontal Angle from R.O.				133 11 02	166 41 30
True Bearing (Instrument to R.O.)					265 17 28
					346 41 25
RUE BEARING TO RM					
Vertical Circle	F.L.	29 46 26	65 08 26	133 11 03	265 17 29
	F.R.				346 41 26
Vertical Angle (Elev. +, Dep. -)					
Slope Distance (Inst to R.M.)					
HORIZONTAL DISTANCE (Inst to R.M.)					
DIFF. IN ELEVATION (AXIS TO R.M.)					
HEIGHT ABOVE (+) OR BELOW (-) STN.MK					
REFERENCE MARKS AT DURRAS					
Inocollite TIA N° 141913 Set Over		RMB3		Ht. of Instrument 1.530	
Object Sighted		SEARCH IN POST	GT NAIL IN PEG	RMI	
Horizontal Circle	F.L.	85 17 20	119 34 00	28 33 15	75 10 40
	F.R.	265 17 30	299 34 15	208 33 25	265 10 50
Horizontal Angle from R.O.					
True Bearing (Instrument to R.O.)					
RUE BEARING TO RM					
Vertical Circle	F.L.	85 17 29	119 34 12	28 33 24	75 10 49
	F.R.				
Vertical Angle (Elev. +, Dep. -)					
Slope Distance (Inst to R.M.)					
HORIZONTAL DISTANCE (Inst to R.M.)					
DIFF. IN ELEVATION (AXIS TO R.M.)					
HEIGHT ABOVE (+) OR BELOW (-) STN.MK					
Checked 15/03/18					

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF N.S.W.
 GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

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.
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.....^{above}....._{below}.....m. rock/concrete; Mark is.....^{above}....._{below}.....m. 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:

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

Prepared by: J. SERRIN 28-10-80 Checked: P. LAURE 29-10-80 Noted on U.T.M. Card

SI 2733-1

STATION: DURRAS G.S. (P) No.: 574c
 MAP SHEET SCALE 1:250 000
 INSPECTED BY: J. SERRIN V.L.A. DATE: 29/10/80
 AUTHORITY: C.M.A. FIELD BOOK: AB 1866

Station Diagram
 North
 ACCESS ONLY

Not to Scale

Checked

STATION DURRAS G.S (P) / TS 5940

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

ACCESS

Previous Access Report of 29.10.1980 was found ~~to be~~ unsuitable.

FROM

0-00 BATEMANS BAY TURN NORTH UP PRINCESS HIGHWAY PASS.
 2-40 SURFSIDE TURN OFF
 5-16 LONG BEACH TURN OFF
 9-10 BATHMANORA BP SERVICE STATION
 9-33 NORTH HEAD G.S. (P) TURN OFF
 17-7 EAST LYVINE STORE,
 19-9 PERABLY BEACH TURN OFF.
 20-35 MIDDLE CREEK
 21-10 TURN EAST (RIGHT) UP DAM FOREST RD.
 21-56 PASS UNDER POWER LINE.
 22-37 (NTN) TURN NORTH UP DAM FOREST RD
 25-15 TURN NORTH UP DAM FOREST ROAD (NTN).
 26-92 TURN HARD RIGHT (SOUTH) (NTN) UP RUBE.
 29-26 TURN SOUTH (RIGHT) THROUGH GATE TO
 30-6 DURRAS G.S (P) ON TOP OF HILL.

Date	Record of Station

6- 2735-2 D. West: Government Printer

Beacon Diagram	Not to Scale

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 G.L. below

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

Original Beacon has/has not been destroyed by ma.

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF A.S.I.K.
 GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: **DURRAS (P)** No.: **5940**

MAPSHEET
 SCALE 1:250 000 **ULLA BULLA**

INSPECTED BY: **I. FANNING** DATE: **19th Jan 81**

AUTHORITY: **C.M.A.** FIELD BOOK: **1724**

Description:
 1. Cleared by lanes bearing 36° to 60.7° 2.9° to 6° Mag. 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 ~~unplaced~~ ~~unplaced~~ ~~constructed on~~ 19 m, dimensions now being:
 Description of mark: ~~S.P. Pillar~~ ~~Mark~~ should be explicit, e.g. S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe

Height of markm, above below rock/concrete; Mark ism. above below G.L.

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

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

Length of Mastm. (approximate if not unplaced)

4. A ~~stone~~ ~~pillar~~ ~~set in conc/teek~~ 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

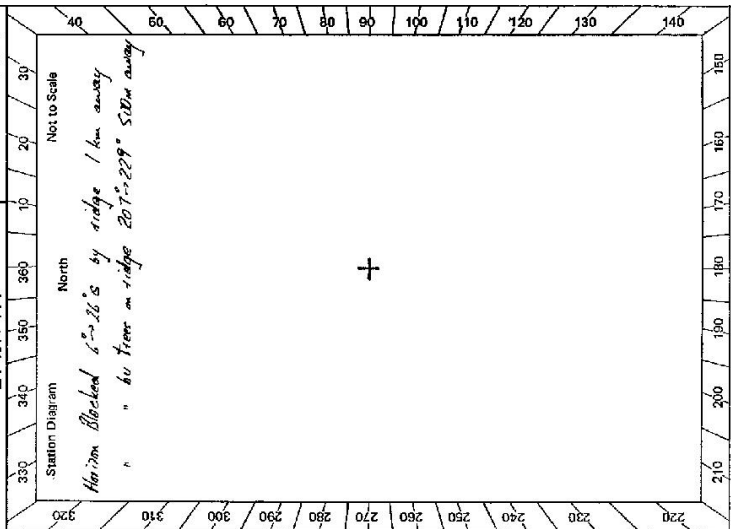
8. Action required: ~~Nil Action~~.....

STANDPOINT:

Mark	As Observed	Direction	Horiz. Distance	Height Difference	Direction	Horiz. Distance	Height Difference
Warden Head	30	30	28.6	above standpt.			above standpt.
Newstead	206	206	40.8	above standpt.			above standpt.
Bennadarah	240	240	11.2	above standpt.			above standpt.
Corrobbilly	307	307	33.8	above standpt.			above standpt.
Tiarjara	356	356	45.6	above standpt.			above standpt.

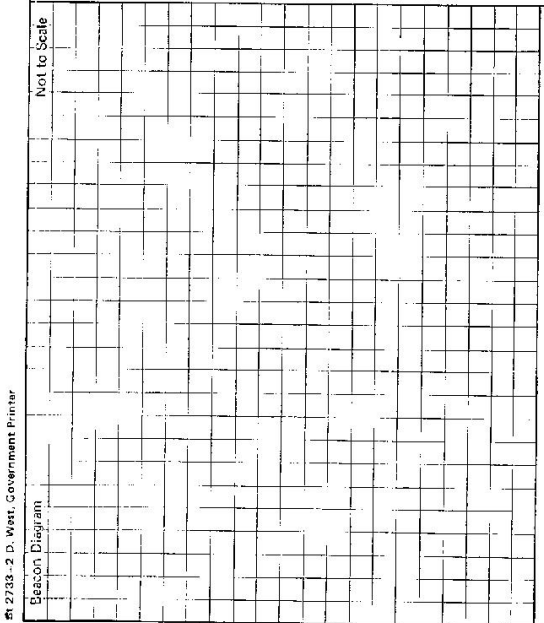
STANDPOINT:

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



Prepared by: **I. Fanning** Checked: **W. J. J. 7/1/81** Noted on U.T.M. Card **C. J. J. 7/1/81** Checked

2733-2 D. West, Government Printer



STATION **DURRAS (P)** TS **5940**

Owner's Name: *Maria Manning National Park*
 Address: *Red Gully*
 Phone: *Abura Office*

Current Occupant:
 Address:
 Phone:

Phone: *26919*

ACCESS

Access Report of *19.11.19* was found suitable/unsuitable.

0.0 General Stone Terminal Travel south on Pacific Highway
11.27 Cross "Middle Creek"
11.70 Turn left onto gravel road Sp "Lobby Beach 2"
also Alkage Post 20

17.89 Veer left off road onto track. Track follows beside road over deep gutter
for 60m before turning away from road

18.78 Veer right
19.26 Pass track on right
19.9 G.S.O.P.

TRACK IS VERY WASHED (CASHED)
WHICH MAY BE REQUIRED
Access of 29-10-20 is OK

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 Markm.

Height of markm. above rock/concm. above G.L.
 belowm.

Diameter of Vanesm. Height of Cairnm.

Original Beacon has/has not been destroyed by me.

Date	Record of Station

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF N.S.W.

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: **DURRAS** No.: **5940**

MAP SHEET SCALE 1:250 000 **LULLADULLA** **S1 / 56 - 13**

INSPECTED BY: **C BOSLOPER** DATE: **11-12-84**

AUTHORITY: **CMA** FIELD BOOK: **405**

Description:
 1. ~~Cleared by James 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 ~~unpainted~~/not unpainted/~~concrete~~..... **1.2**..... **19.84**..... dimensions now being:

Description of mark: ~~Steel Pillar~~ **Steel Pillar Plate**, Steel plug, Brass plug, Bolt, G.I. Pipe

Height of mark..... ^{above} ~~rock/concrete~~..... **1.40**..... m. ^{above} ~~G.L.~~.....

Height of Top Vanes to Top ~~Mast~~/Pillar plate **1.40**..... m. Diameter of Vanes (vertical) **0.60**..... m.

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

Length of Mast **1.530**..... 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: ~~Mast to be replaced with a new one as it is very old and is not suitable for use as a station mark.~~
up as well as a name plate. STANDPOINT:

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

Prepared by: *[Signature]* 12-2-85

Checked: *[Signature]* 12-2-85

Noted on U.T.M. Card

