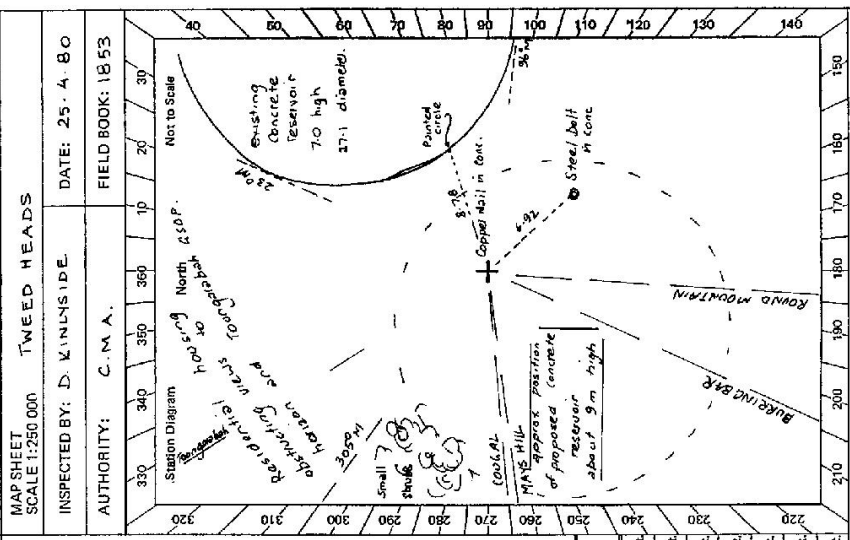


STATION: CUDGEN No.: 5000
 MAP SHEET SCALE 1:250 000 TWEED HEADS
 INSPECTED BY: D. KINLISIDE DATE: 25. 4. 80
 AUTHORITY: C.M.A. FIELD BOOK: 18 53



CENTRAL MAPPING AUTHORITY
 GEODETIC SURVEY OF NSW.
 GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

Description: Note: Cross out word or words which do not apply
 1. Cleared by lanes bearing. See diagram. from Trig, Mast
 2. Mast & Vanes have been painted white & black respectively.
 3. The station/pillar was unpiled/ret-unnished/constructed on 19 dimensions new being:
 Description of mark: Cu Nail should be explicit, e.g. S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe
 Height of mark: 0.0 m. above below
 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 supplied) Cairn, mast & vanes not found.
 4. A. Steel bolt set in conc/feek has been placed/round, bearing 130.0° M from Mast/Plug/Pillar Cu Nail
 5. A. Black Painted circle set in conc/feek has been placed/round, bearing 73.0° M from Mast/Plug/Pillar Cu Nail
 6. A. set in conc/rock has been placed/round, bearing 0° M from Mast/Plug/Pillar
 7. A. set in conc/rock has been placed/round, bearing 0° M from Mast/Plug/Pillar
 8. Action required: Construct pillar in position with new resin. which will be built by Tweed Shire Council, Murwillumbah, a found Dec 80

STANDPOINT: Copper Nail

Mark Required	Direction signified	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
MAYS HILL (hill)	263° M		above standpt				above standpt
ROUND MOUNTAIN	184° M		above standpt				above standpt
TOONGARABAH			below				below
OTHERS			below				below
COOGA hill	265° M		above standpt				above standpt
BUKINGBAR hill	204° M		above standpt				above standpt
			below				below

Prepared by: D. Kinlisside 13. 5. 80 Checked: 19/10/1980 Noted on U.T.M. Card
 Checked

GS 24

STATION C.U.D.G.E.N TS-7174							
<p>Owner's Name: <i>Tweed R. and Shire Council</i></p> <p>Address: <i>Timbulgam Road</i></p> <p>Phone: <i>72 229 933</i></p> <p>Current Occupant:</p> <p>Address:</p> <p>Phone:</p> <p>Access: <i>25-4-1980</i></p> <p>Access Report of: <i>24/4/1971 was found suitable/unsuitable, amended</i></p> <p>0-00 Kingscliff P.O heading north towards Tweed Heads</p> <p>0-09 Turn LEFT into Seaview Street</p> <p>0-36 Turn RIGHT into Rob Roy Crescent</p> <p>0-82 Turn LEFT into Gibson Street</p> <p>0-91 Turn RIGHT</p> <p>1-09 Reservoir on R.H.S.</p>	<p>Record of Station</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Date</th> <th>Record of Station</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1-4-80</td> <td>Permission for access for construction of rooftop pily in conjunction with new reservoir approved verbally by John Henry Town Planning Dept. Tweed R. and Shire Council. <i>Planning Division approved.</i></td> </tr> <tr> <td style="text-align: center;">3/10/82</td> <td>Letter to Mack Shire written by CTS (S.S/10/82) Reply recd 10/10/82. <i>see 1574/82</i></td> </tr> </tbody> </table>	Date	Record of Station	1-4-80	Permission for access for construction of rooftop pily in conjunction with new reservoir approved verbally by John Henry Town Planning Dept. Tweed R. and Shire Council. <i>Planning Division approved.</i>	3/10/82	Letter to Mack Shire written by CTS (S.S/10/82) Reply recd 10/10/82. <i>see 1574/82</i>
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3/10/82	Letter to Mack Shire written by CTS (S.S/10/82) Reply recd 10/10/82. <i>see 1574/82</i>						
<p>Beacon Diagram</p> <p>Not to Scale</p> <p>This section to be completed by offset constructing pillar.</p> <p>Original station mark found/not found.</p> <p>Description of mark:</p> <p>Original beacon found/not found.</p> <p>Description of beacon:</p> <p>Height Top of Vanes to Top Mark.....m.</p> <p>Height of mark.....m. above G.L. below</p> <p>Diameter of Vanesm. Height of Cairnm.</p> <p>Original Beacon has/has not been destroyed by me.</p>	<p>Station Information</p> <p>Owner's Name: <i>Tweed R. and Shire Council</i></p> <p>Address: <i>Timbulgam Road</i></p> <p>Phone: <i>72 229 933</i></p> <p>Current Occupant:</p> <p>Address:</p> <p>Phone:</p> <p>Access: <i>25-4-1980</i></p> <p>Access Report of: <i>24/4/1971 was found suitable/unsuitable, amended</i></p> <p>0-00 Kingscliff P.O heading north towards Tweed Heads</p> <p>0-09 Turn LEFT into Seaview Street</p> <p>0-36 Turn RIGHT into Rob Roy Crescent</p> <p>0-82 Turn LEFT into Gibson Street</p> <p>0-91 Turn RIGHT</p> <p>1-09 Reservoir on R.H.S.</p>						

TS 7174

CENTRAL MAPPING AUTHORITY

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

Description:

Note: Cross out word or words which do not apply

1. Cleared by lanes bearing Q obstructed intermittently by housing from Trig. Mast + water reservoir from 805 M 4 56 M.
 2. ~~The station pillar was replaced by a concrete pillar with a diameter of 100 mm.~~
 3. The station pillar was replaced by a concrete pillar with a diameter of 100 mm. found 1981, dimensions now being 6 - 6.
- Description of mark Cu Nail could be explicit, e.g. S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe
- Height of mark 0.0 m. above level concrete; Mark is 0.0 m. above G.L.
- Height of Top Vane to Top Mark of the plate 0 m. Diameter of Vane (vertical) 0 mm.
- Height of Vane 0 mm. Diameter of Vane (horizontal) 0 mm. Name Plate found not found placed cairn mast + vane not found
- Length of Mast 0 m. (approximate if not specified)
4. A Bolt in Kerb set in conc/rock has been placed found, bearing 140 ° M from Mast/Pillar/Plate cu nail
 5. A Spike in Kerb set in conc/rock has been placed found, bearing 184 ° M from Mast/Pillar/Plate cu nail
 6. A PM No 44431 set in conc/rock has been placed found, bearing 211 ° M from Mast/Pillar/Plate cu nail
 7. A Bolt in Conc set in conc/rock has been placed found, bearing 135 ° M from Mast/Pillar/Plate cu nail
 8. Action required: 0

STANDPOINT: Copper nail (5000-0) STANDPOINT: PM 44431 (5000-2)

Mark	Direction	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
ROUND MOUNTAIN (5931-0)	0° 00' 00"	0° 00' 00"	above standpt	ROUND MOUNTAIN (5931-0)	0° 00' 00"	0° 00' 00"	above standpt
PM 44431 (5000-2)	20° 51' 30"	33.818	2.458	MAYS HILL (6690-0)	79° 06' 14"	19.0614	above standpt
MAYS HILL (6690-0)	78° 52' 57"	6.925	0.014	Cu Nail in conc (5000-0)	200° 56' 24"	33.818	above standpt
Bolt in conc (5000-1)	313° 52' 30"	58.862	2.197	Bolt in conc (5000-1)	212° 31' 12"	31.760	above standpt
Bolt in Kerb (5000-4)	314° 33' 49"	46.929	2.253	Bolt in Kerb (5000-4)	288° 16' 32"	54.848	above standpt
Spike in Kerb (5000-3)	346° 11' 10"	46.929	2.253	Spike in Kerb (5000-3)	301° 05' 14"	27.116	above standpt

Prepared by 2110 Checked: 4/4/22 Noted on U.T.M. Card

STATION: CUDGEN No: 5000

MAP SHEET: Tweed Head's

SCALE: 1:250 000

INSPECTED BY: D. HALLS + C. ZAHOR DATE: 6-6-81

AUTHORITY: C.M.A. FIELD BOOK: 104

STANDPOINT: Bolt in conc. (5000-1)

Mark	Direction	Horiz. Distance	Height Difference
ROUND MTN (5931-0)	0° 00' 00"	0° 00' 00"	above standpt.
PM 44431 (5000-2)	32 24 08	31.760	2.444
MAYS HILL (6690-0)	78 52 28	6.925	0.014
Cu Nail in conc (5000-0)	33 50 00	6.925	0.014
Bolt in kerb (5000-4)	314 37 17	51.942	2.783
Spike in kerb (5000-3)	351 18 18	41.252	2.239

STANDPOINT: Spike in Kerb (5000-3)

Mark	Direction	Horiz. Distance	Height Difference
ROUND MTN (5931-0)	0° 00' 00"	0° 00' 00"	above standpt.
MAYS HILL (6690-0)	79 01 38	19.0614	above standpt.
PM 44431 (5000-2)	20 55 24	27.116	2.203
Cu Nail in conc (5000-0)	166 06 32	46.928	2.253
Bolt in conc (5000-1)	171 15 38	41.252	2.239
Bolt in kerb (5000-4)	262 01 34	31.034	1.544

STANDPOINT: Bolt in Kerb (5000-4)

Mark	Direction	Horiz. Distance	Height Difference
ROUND MTN (5931-0)	0° 00' 00"	0° 00' 00"	above standpt.
MAYS HILL (6690-0)	79 49 04	19.0614	above standpt.
Spike in kerb (5000-3)	81 48 27	31.034	1.544
PM 44431 (5000-2)	99 53 50	54.848	0.339
Cu Nail in conc (5000-0)	134 16 03	58.862	2.797
Bolt in conc (5000-1)	134 21 37	51.942	2.783

Checked

SR 2733-1

CENTRAL MAPPING AUTHORITY

GEODETIC SURVEY OF N.S.W.

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

Description:

- 1. Cleared by lanes bearing 316° $15'10.7''$ from Trig. Mast
- 2. Mast & Vanes have been painted white & black respectively.
- 3. The station/pillar was unspiled/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. ~~PM 44431~~ set in ~~concrete~~ has been placed/found, bearing 228° $0'$ $0''$ M from ~~Mast/Pillar~~ (Proposed)
- 5. A. Spike in kerb set in concrete has been placed/found, bearing 125° $0'$ $0''$ M from ~~Mast/Pillar~~ PM 44431
- 6. A. Bolt in kerb set in concrete has been placed/found, bearing 86° $0'$ $0''$ M from ~~Mast/Pillar~~ Spike
- 7. A. ~~PM 44431~~ set in concrete has been placed/found, bearing 305° $0'$ $0''$ M from ~~Mast/Pillar~~ Spike
- 8. Action required: ERECT ROOF TOP PILLAR + BEACON

STANDPOINT: Centre of platform

Mark	Direction	Horiz. Distance	Height Difference	Mark	Direction	Horiz. Distance	Height Difference
BIRON BAY L/H	170° M		above standpt.				above standpt.
ROUND MOUNTAIN	181° M		above standpt.				above standpt.
TOWERS	219° M	c. 80 ky	above standpt.				above standpt.
MT. WARNING	240° M		above standpt.				above standpt.
TONGARABAH GS.	347° M		above standpt.				above standpt.
POINT DANGER	348° M		above standpt.				above standpt.
FINIGAL L/H	359° M		above standpt.				above standpt.

Prepared by: G. CROSS 1/10/84

Checked: A.J. 8/1/84

Checked

S.O. 1407

Proposed STATION: CUDGEN (Resv) No.: 7174

MAP SHEETS SCALE 1:250 000 TWEED HEADS

INSPECTED BY: G. CROSS DATE: 25/9/84

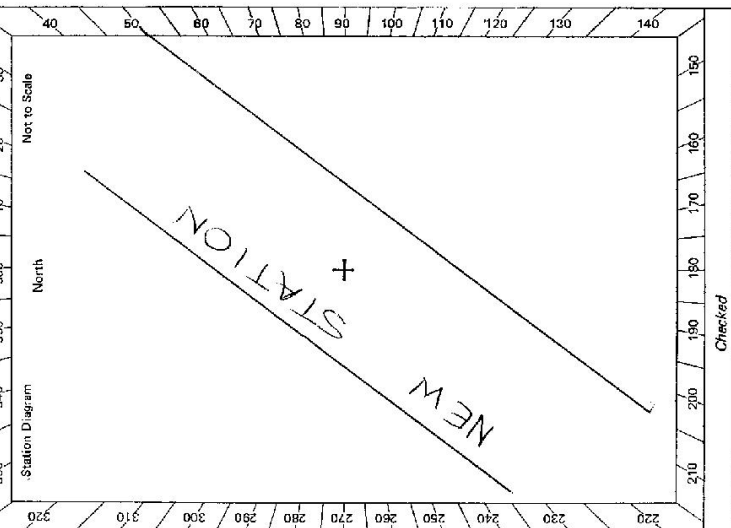
AUTHORITY: CMA FIELD BOOK: ---

STATION: *CADGLEN G.S.P.* No.: *7174*

MAP SHEET SCALE 1:250 000

INSPECTED BY: *P.B.T.S.* DATE: *12.11.84*

AUTHORITY: *C.M.A.* FIELD BOOK: *1941*



CENTRAL MAPPING AUTHORITY
 GEODETIC SURVEY OF M.S.W.
 GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

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

1. Cleared by lances bearing *360° M* from Trig. Mast
2. Mast & Vanes have been painted white & black respectively. ✓
3. The ~~marker/pillar~~ was ~~replaced/reconstructed~~ constructed on *12th November 84*, dimensions now being: Description of mark: *Red Top Pillar* would be explicit, e.g., S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe
 Height of mark: *1.887* m, ^{above} ~~rock/concrete~~ ^{below} ~~mark~~, Mark is *12.000* m, ^{above} ~~rock/concrete~~ ^{below} ~~mark~~. ✓
 Height of Top Vanes to Top ~~marker/pillar~~ plate *1.600* m. ✓ Diameter of Vanes (vertical) *0.755* m.
 Height of Cairn: m. Diameter of Cairn: m. Name Plate ~~replaced/reconstructed~~ placed.
 Length of Mast: m. (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: *Completed - Done by G. Dickson, 5/12/84*

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

Prepared by: *P.B.T.S. M.H.R.* Checked: *A.S. 21/11* Noted on U.I.M. Card

Checked

GS 24

STATION CADGEN (S.I.P) TS 7174	Owner's Name: TANED RIVER SHIRE COUNCIL Address: TUMBLEGUM ROAD Phone: 732 993 MR MICHAEL TAYLOR OR ✓ MR DON Mc MILLSTER Access Report of:19.....was found suitable/unsuitable. PHONE: 13-11-1984 ACCESS
Beacon Diagram Not to Scale	<p>BEACON WITH SAND PILL & LADDER MADE WAY DOWN WATER TANK.</p>
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 G.L. below Diameter of Vanesm. Height of Cairnm. Original Beacon has/has not been destroyed by me.
PLEASE NOTE EXTENSION LADDERS REQUIRED TO REACH STEEP LADDER APPROX 6 METRE. ✓ LADDER OBTAINABLE FROM KINGSLIFF HIRE <i>J. Wilson</i>	KA FERTILE ROAD TO KINGSLIFF ROAD SOUTH 0/16 TURN RIGHT AT KINGSABOUT INTO OLGA STREET. 0/27 CONTINUE THROUGH BOUND ABOUT 0/51 TURN RIGHT INTO DIVISION STREET 0/63 TURN LEFT INTO Mc HAIL STREET 0/91 TURN LEFT INTO GIBSON STREET. 0/99 TURN RIGHT INTO FULLANS STREET 1/18 TURN RIGHT AT REVERVOIRS.
Date	Record of Station

GEODETIC SURVEY OF N.S.W.

CENTRAL MAPPING AUTHORITY

GEODETIC STATION RECONNAISSANCE and MAINTENANCE REPORT

STATION: **CUDGEN G.S.** No.: **7174**
 MAP SHEETS SCALE 1:250 000 **TWEED HEADS** SCALE 1:100 000
 INSPECTED BY: **G. DICKSON** DATE: **5-12-1984**
 AUTHORITY: **C.M.A.** FIELD BOOK: **C444**
 STANDPOINT: **PM 4-4-4-31 (7174-2)**

Mark	Direction	Horiz. Distance	Height Difference
ROUND MOUNTAIN (P)	0 00 00		above standpt
CUDGEN (P) (7174-0)	62 18 22	29.670	12.584 below standpt
FINGAL (P)	162 14 13		above standpt
BOLT IN KERB (7174-4)	355 02 10	47.480	0.962 below standpt

STANDPOINT: **GILFIRE IN SOIL PL. (7174-5)**

Description:
 1. Cleared by lanes bearing **360°**
 2. Mast & Vanes have been painted white & black respectively.
 3. The ~~structure~~ pillar was ~~replaced~~ constructed on ~~12/1/1984~~ **12/1/1984**.
 Description of mark: **Roof top. Pillar.**
 Height of mark: **1.487** m. above ~~base~~ concrete platform.
 Height of Top Vanes to Top ~~Mark~~ Pillar plate: **1.00** m. Diameter of Vanes (vertical): **0.755** m.
 Height of ~~Centre~~ platform above G.L. is **12.0** m. Diameter of ~~Centre~~ **Centre** of ~~Centre~~ **Centre**.
 Length of Mast: m. (approximate if not applied)

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:.....

Mark	Direction	Horiz. Distance	Height Difference
ROUND MOUNTAIN (P)	0 00 00		above standpt
DRILL HOLE IN KERB (7174-3)	56 12 04	24.272	12.969 below standpt
MAYS HILL (P)	78 50 47		above standpt
FINGAL (P)	162 39 48		above standpt
GILFIRE IN SOIL (7174-5)	242 29 54	29.670	12.584 below standpt

STANDPOINT: **ROCKET PILLAR PLATE (7174-0)**

STANDPOINT: **DRILL HOLE IN KERB (7174-6)**

Mark	Direction	Horiz. Distance	Height Difference
ROUND MOUNTAIN (P)	0 00 00		above standpt
PM 44431 (7174-2)	18 49 46	11.068	0.244 below standpt
MAYS HILL (P)	79 01 58		above standpt
CUDGEN (P)	236 21 26	24.272	12.969 below standpt
SPIKE IN KERB (7174-3)	321 14 28	31.385	0.044 below standpt
CENTRE OF OLD REC (7174-7)	218 36 25	42.056	below standpt

STANDPOINT: **BOLT IN KERB (7174-4)**

Mark	Direction	Horiz. Distance	Height Difference
ROUND MOUNTAIN (P)	0 00 00		above standpt
SPIKE IN KERB (7174-3)	81 47 44	31.027	0.534 below standpt
MAYS HILL (P)	78 49 04		above standpt
PM 44431 (7174-2)	99 53 31	54.837	0.333 below standpt
GILFIRE IN SOIL (7174-5)	175 00 24	47.480	0.962 below standpt

STANDPOINT: **SPIKE IN KERB (7174-3)**

STANDPOINT: **BOLT IN KERB (7174-4)**

Prepared by: **12/1/85** Checked: **12/1/85**
 Noted on U.T.M. Card



S.O. 1407

