

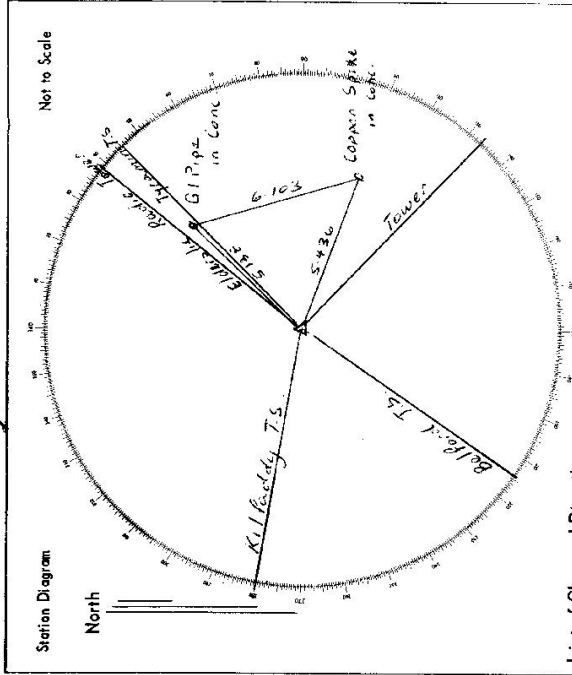
STATION TANGALY PIT 5469

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

Address.....

Access 29th Oct 1975
CONVENTIONAL VEHICLE (TO APPROX 350 KMS)

- 0.00 FROM T JUNCTION IN BANNYTON (SIGN CESSNOCK/SINGLETON V. MAITLAND IS) TRAVEL TOWARDS MAITLAND
- 0.5 TURN LEFT SIGN ELDERSLIE G
- 0.4 BRIDGE
- 7.2 TURN LEFT SIGN SINGLETON B / CROSFORD ZA
- 16.4 STRAIGHT AHEAD
- 17.0 " " CROSFORD IS.
- 23.3 BRIDGE
- 26.1 TURN RIGHT
- 26.6 CONCRETE CRUSSEWAY
- 28.5 TURN RIGHT
- 28.8 TURN RIGHT FROM FARMHOUSE ON LHS
- 29.0 CROSS GULLY AND WALK THROUGH FENCE (DOWN) AND CUTTING.
- 29.1 TURN RIGHT AT FENCE CORNER FOLLOWING FRONT TRACK.
- 29.4 GULLY
- 29.7 TURN RIGHT SIGN E.C. OF NSW ELDERSLIE ROAD SW
- 32.7 TURN RIGHT ONTO FRONT TRACK 50M FROM TOWER.
- 33.1 LEAVE VEHICLE AND WALK TO TRIG 10 MINUTE EASY WALK



List of Observed Directions:-

Standpoint: Tangal		Standpoint: Copper Spike	
Station	Direction	Station	Direction
BEFFORD T.S.	0° 00' 00"	TYRIMM T.S.	0° 00' 00"
KILFARRY T.S.	75° 08' 44"	BEFFORD T.S.	188° 08' 32"
SSM RIGAR	185° 25' 56"	TYRIMM T.S.	246° 51' 50"
TYRIMM T.S.	191° 48' 08"	G.I. PIPE in Conc.	297° 23' 16"
TOWER	288° 30' 37"	ELDERSLIE TOWER	353° 22' 01"

Station	Direction	Station	Direction
BEFFORD T.S.	0° 00' 00"		
KILFARRY T.S.	75° 08' 44"		
ELDERSLIE TOWER	185° 25' 56"		
G.I. PIPE in Conc.	188° 08' 32"		
COPPER SPIKE	288° 30' 37"		
STANNING T.S.	235° 13' 18"		

74-98

Department of Lands

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
- 3. Trig. Mast & Vanes have been painted white & black respectively. ✓
- 4. The Trig. was unpiled/ ~~re-piled~~ dimensions now being: Original Station ~~found~~ ~~found~~

Description of mark: BRONZE PIN ~~rod~~ ~~rod~~ should be explicit, e.g. Steel plug, Brass plug, Bolt, G.I. Pipe
 Height of mark: 0.055 m ~~above~~ ~~below~~ rock/concrete ~~above~~ ~~below~~ G.L.
 Height of Top Vanes to Top Mast 1.410 m Diameter of Vanes (vertical) 0.150 m

Height of Cairn: m. Diameter of Cairn: m.
 Length of Mast: m. (approximate if not unpiled)
 Roof for pillar with

- 5. A. BRASS set in conc/rock has been placed 3.295 m. bearing °M from Trig. Mast
- 6. A. COPPER NAIL set in conc/rock has been placed 1.482 m. bearing 135 °M from Trig. Mast
- 7. A. G.I. PIPE set in conc/rock has been placed 3.667 m. bearing 82 °M from Trig. Mast
- 8. A. set in conc/rock has been placed m. bearing °M from Trig. Mast

9. Connection BRONZE PIN to G.I. PIPE: 6.105 m. bearing 349 °M SKETCH AND MEASUREMENTS OF ORIGINAL TRIG. MEASUREMENTS BEFORE STATION WAS UNPILED.

10. Connection ROD to COPPER NAIL: 5.437 m. bearing 115 °M

11. Connection ROD to G.I. PIPE: 5.145 m. bearing 43 °M

12. Connection to : m. bearing °M

13. Diff. Ht. BRONZE PIN is 1.018 m. below PILLAR PLATE

14. Diff. Ht. COPPER NAIL is 1.474 m. above PILLAR PLATE

15. Diff. Ht. G.I. PIPE is 1.406 m. above PILLAR PLATE

16. Diff. Ht. is m. above

Prepared by: Zi. Kam Checked:

Noted on U.T.M. Card

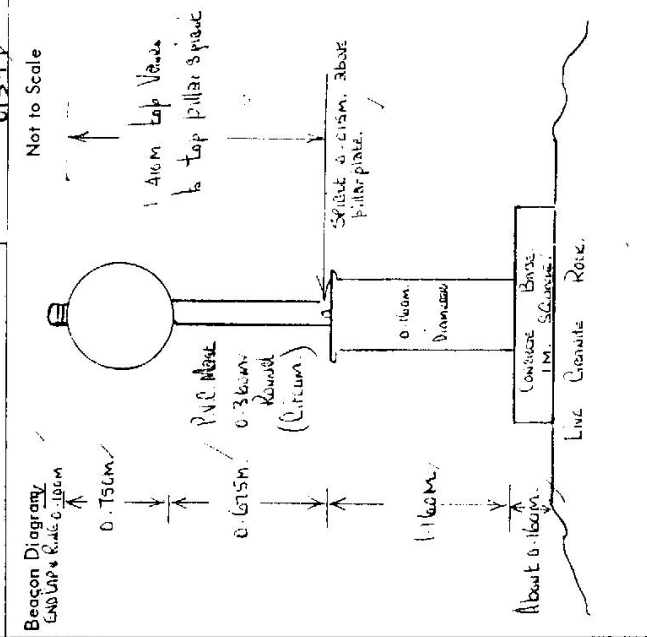
STATION TANGEROY AMBERIAL (ROOF - TOP PILLAR) T.S. 5469

Co: DURHAM Ph: MARWOOD

Map Sheet: CESSECKER NORTH No: 9132

Inspected by: DAVID J. KAIN Date: 9 DEC 1982

Authority: Field Book: 01397



Date	Record of Station

Checked

STATION IANIGBOIN (Rock Top Pillar) T.S. 5469

Owners Name: Current Occupant:

Address: Address:

9-12-1975 Access to Ianigboin (Rock Top Pillar) T.S.

Access at Singleton Post Office at 0 miles, travel along GRESFORD ROAD towards GRESFORD.

MILEAGE FEATURE

- 1.90 Cross ROUBAULTS BRIDGE OVER HUNTER RIVER.
- 2.95 STRAIGHT AHEAD AT SIGNPOST GRESFORD 38 KM.
- 5.40 TAKE RIGHT FORK, SIGNPOST GRESFORD 34 KM.
- 6.60 TAKE LEFT FORK AT SIGNPOST, GRESFORD 33 KM.
- 9.30 AT T JUNCTION TAKE GRESFORD ROAD TO YOUR LEFT.
- 10.80 PASS ROAD TO MIRRANIE ON LEFT.
- 14.75 TAKE SEALED ROAD TO YOUR RIGHT, SIGNPOST, CENNY CORNER 3 1/2.
- 16.05 THROUGH LOCKED IRON GATE TO YOUR RIGHT, SIGN, E.C. OF N.S.W.

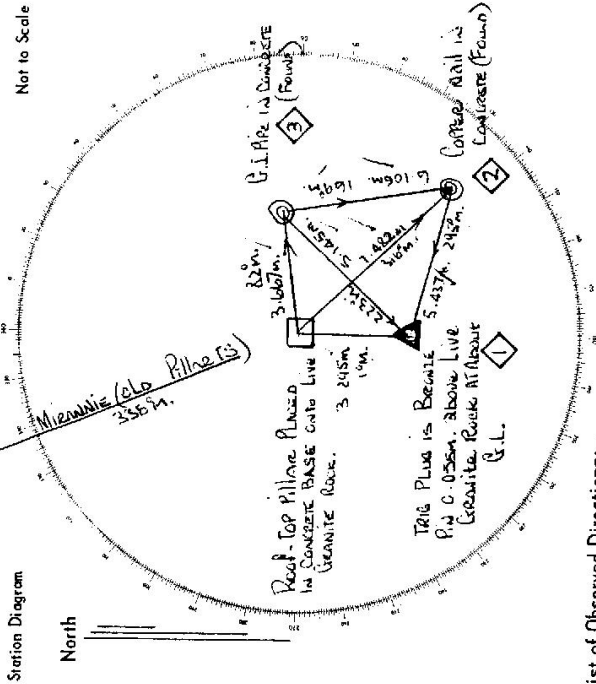
KEY TO THIS GATE CAN BE OBTAINED EITHER FROM ELECTRICITY COMMISSION AT SINGLETON OR FROM CHIEF SURVEYOR, INTEGRATION SURVEY, SYDNEY.

- 16.45 THROUGH IRON GATE.
- 16.50 THROUGH IRON GATE, FOLLOW GOOD GRAVEL ROAD UP MOUNTAIN.
- 18.40 AT TOP OF RANGE, TAKE DEEP TRENCH DOWN RIDGE TO YOUR RIGHT (BLAZED TREE). FOLLOW THIS TRENCH ALONG RIDGE THENCE DOWN TO DAM IN SADDLE AT 18.75 MILES. LEAVE VEHICLE, WALK ACROSS DAM WALL THENCE UP SLIGHT SLOPE TO TRIG PILLAR. ABOUT TEN (10) MINUTES EASY WALK WITH LIGHT LOAD.

Not to Scale

Station Diagram

North



List of Observed Directions:-

Standpoint: Rock Top Pillar Standpoint: Bronze Trig Pillar

Station	Direction	Station	Direction
MIRRANIE (66 Pillars) T.S.	0 00 00	MIRRANIE (66 Pillars) T.S.	0 00 00
G.I. PIPE	98 50 00	COPPER NAIL IN CONCRETE	13 57 20
COPPER NAIL	152 57 00	G.I. PIPE	179 10 00
TRIG PILLAR	193 50 20	COPPER NAIL	179 34 10
COPPER NAIL IN CONCRETE			
Station	Direction	Station	Direction
MIRRANIE (66 Pillars) T.S.	0 00 00		
G.I. PIPE	02 08 10		
TRIG PILLAR	309 36 10		
ROCK TOP PILLAR	352 58 50		

CENTRAL MAPPING AUTHORITY
Department of Lands

Trigonometrical Survey of N.S.W.

RECONNAISSANCE and MAINTENANCE REPORT

STATION **TANGORIN O.P. TS 5469**

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

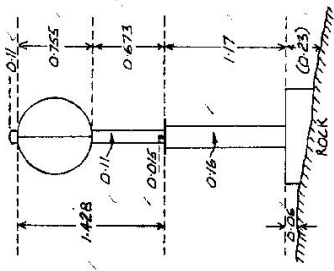
Description of mark: Steel. Observation Pillar should be explicit, e.g. Steel plug, Brass plug, Bolt, G.I. Pipe
 Height of mark m above rock / ~~concrete~~ m above G.L.
 Height of Top Vanes to Top Mark m Diameter of Vanes (vertical) m.
 Height of Capitals m. Diameter of Capitals m.
5. A G.I. Pipe set in conc. / ~~tee~~ has been placed. 3.670 m. bearing 78° from Trig. Mast
6. A Copper Nail set in conc. / ~~tee~~ has been placed. 7.453 m. bearing 132° from Trig. Mast
7. A Trig. Plug set in ~~tee~~ / ~~tee~~ has been placed. 3.295 m. bearing 173° from Trig. Mast
8. A set in conc./rock has been placed m. bearing° from Trig. Mast
9. Connection Trig. Plug to G.I. Pipe : 5.143 m. bearing 38° from Trig. Mast
10. Connection Trig. Plug to Copper N. : 5.435 m. bearing 108° from Trig. Mast
11. Connection to m. bearing°
12. Connection to m. bearing°
13. Diff. Ht. G.I. Pipe in Conc. is 1.404 m. ^{above} / ^{below} Pillar. Plate.
14. Diff. Ht. Copper Nail in Conc. is 1.473 m. ^{above} / ^{below} Pillar. Plate.
15. Diff. Ht. Brass Trig. Plug in Rods is 0.018 m. ^{above} / ^{below} Pillar. Plate.
16. Diff. Ht. is m. ^{above} / ^{below} Pillar. Plate.

Prepared by: C. J. Brown Checked: 21/05/19 Noted on U.T.M. Card

Co: DURHAM ✓ Ph: MARWOOD
 Map Sheet: LESSNOCK - NORTH ✓ No: 9/32-N
 Inspected by: C. J. BROWN ✓ Date: 9th January 1978
 Authority: C. M. A. ✓ Field Book: 1477.

Beacon Diagram

Not to Scale



Date	Record of Station

Checked

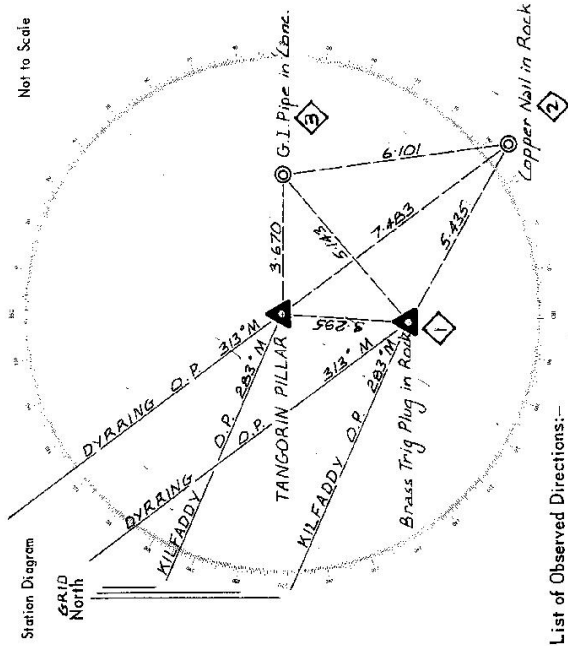
STATION TANGORIN O.P. TS 5469

Owners Name:
 Address:
 Access:
 Current Occupant:
 Address:
 Access:

Not to Scale

Station Diagram

GRID North



List of Observed Directions:-

Standpoint: Steel Observation Pillar Standpoint: Brass Trig Plug in Rock

Station	Direction	Station	Direction
KILFADDY O.P.	359	KILFADDY O.P.	359-59 60
DARRING O.P.	29	DARRING O.P.	29 42 10
G.I. Pipe in Conc.	154	Pillar Spigot	69 41
Copper Nail in Conc.	208	G.I. Pipe in Conc.	115 00 00
Brass Trig Plug in Rock	249	Copper Nail in Conc.	185 85 00

Station	Direction	Station	Direction

25-10-9

Department of Lands
Integration of N.S.W.
RECONNAISSANCE and MAINTENANCE REPORT 4274
STATION **TANGORY (P) IS 5A19**

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

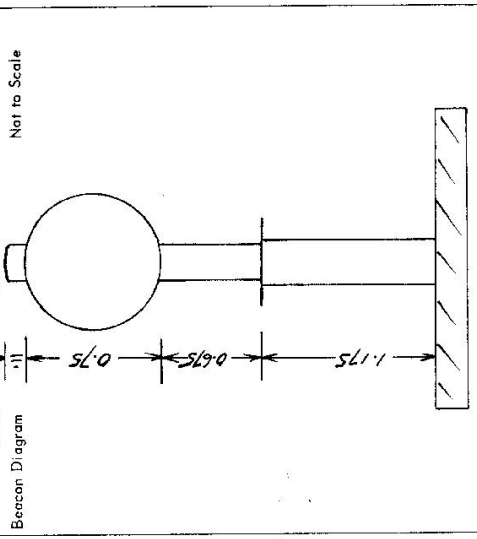
1. Completely cleared to permit 360° vision to surrounding Trigs. ✓
2. Cleared by lanes bearing..... from Trig. Mast
3. Trig. Mast & Vanes have been painted white & black respectively. ✓
4. The Trig. was unpiled/not unpiled, dimensions now being:
Description of mark. **ROOF TOP PILLAR** should be explicit, e.g. Steel plug, Brass plug, Bolt, Concrete Pillar
Height of mark..... m above rock/concrete 1.175 m above G.L.
Height of Top Vanes to Top Mark/Top pillar plate 1.425 m Diameter of Vanes (vertical) 0.75 m.
Height of Cairn 1.175 m. Diameter of Cairn..... m.

5. A. **G.I.P.** set in conc/rock has been placed/fd 3.667 m. bearing 78° from Trig. Mast/pillar
6. A. **C.S.** set in conc/soil has been placed/fd 7.480 m. bearing 132° from Trig. Mast/pillar
7. A **Brass Trig Plug** in conc/soil has been placed/fd 3.293 m. bearing 173° from Trig. Mast/pillar
8. A..... set in conc/rock has been placed/fd m. bearing°M from Trig. Mast/pillar

9. Connection Trig Plug to **C.S.** : 5.432 m. bearing 67° °M
10. Connection Trig Plug to **G.I.P.** : 5.140 m. bearing 256° °M
11. Connection to : m. bearing °M
12. Connection to : m. bearing °M
13. Diff. Ht. **Pillar Plate** is 1.404 m. above **G.I.P.**
14. Diff. Ht. **Pillar Plate** is 1.468 m. above **C.S.**
15. Diff. Ht. **Pillar Plate** is 1.012 m. above **Brass Trig Plug**
16. Diff. Ht. **Trig Plug** is 1.456 m. above **C.S.** Trig Plug is 388 m above G.I.P.

Prepared by: **P.McBEATH** Checked: **Chris Couswath**

Co: **DURHAM** Ph: **Marwood.**
Map Sheet: **CRESSNOCK** No: **9132-N**
Inspected by: **P.McBEATH** Date: **18.2.76**
Authority: **150. NEWCASTLE** Field Book: **335**



Date	Record of Station
2.12.75	Pillar Placed

TANEORY G.S (P)

GEODEIC SURVEY OF N.S.W.

CENTRAL MAPPING AUTHORITY

GEODEIC STATION RECONNAISSANCE and MAINTENANCE REPORT

Description:

1. Cleared by lanes bearing..... *STATION IS CLEAR. ALL ROCKS BUT FROM TRIG MAST*
 1 hours work of very small rocks. *SUCKERS COULD BE CLEARED UP*
 2. Mast & Vanes have been painted white & black respectively.
~~1. Scaffolding Max Vanes & Pillar Vane~~ *MAINTAINED ON 11/11/19*
 3. The station/pillar was ~~replaced~~ *MAINTAINED ON 11/11/19*
 Description of mark: *ST. Steel cap screws fixed to pillar plate. Brass plug, Bolt, G.I. Pipe*
 Scaffolding should be explicit; e.g., S/Steel Pillar Plate, Steel plug, Brass plug, Bolt, G.I. Pipe
- Height of mark..... *1.19* m. ^{above} rock/concrete; Mark is *1.31* m. ^{above} G.L.
- Height of Top Vanes to Top ~~Mark~~ Pillar plate *4.22* m. Diameter of Vanes (vertical) *0.158* m.
- Height of Cairn..... m. Diameter of Cairn..... m. Name Plate found/~~not found~~ *found*.
- Length of Mast *5.20* m. (~~approximate if not measured~~) *C.M.A. Geodetic Station*
4. A..... *Cap screws* set in conc/~~rock~~ has been ~~placed~~ *placed*/found, bearing..... *137.0° M* from ~~Mast/Plug/Pillar~~ *TANEORY*
 5. A..... *Cap screws* set in conc/~~rock~~ has been ~~placed~~ *placed*/found, bearing..... *81.0° M* from ~~Mast/Plug/Pillar~~ *TANEORY*
 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:.....

Note: Cross out word or words which do not apply

STANDPOINT:

Mark	Direction	Horiz. Distance	Height Difference	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

st 2733-1

STATION: ~~TANEORY~~ *TANEORY G.S (P)* No.: *5469*

MAP SHEET SCALE 1:250 000

INSPECTED BY: *D.J. Kain* DATE: *11 April 1919*

AUTHORITY: *C.M.A.* FIELD BOOK: *673*

Station Diagram

North

Not to Scale

Checked

STATION **TANGOK (P)** TS **5469**

Owners Name:
 Current Occupant:
 Address:
 Address:

Access **18.2.1976**

From T-Junction in Branxton - sign 'Cesnock Singleton, Maitland', 00 kms. Travel towards Maitland, then turn left onto Elderslie Road at 0.5 kms and follow:-

- Kms. 5.5 Cross Elderslie Bridge
- 6.3 Turn left Singleton-Crestford road.
- 14.5 Pass Ti-Tree Gully Rd on left.
- 15.0 Pass Singleton Turn off on left
- 20.5 Cross bridge
- 22.9 Turn right onto Cranky Corner Rd
- 23.4 Cross concrete causeway
- 24.8 Turn right through gate marked Elderslie Radio Station (*NOTE E.C. KEY READ)
- 25.4 Pass through gate
- 25.5 "
- 26.7 Pass through wire gate
- 28.1 Instead of turning left to Radio Tower follow track to the right marked by blaze and follow along ridge to where dam is visible below. Leave vehicle and walk down to dam and head up hill to Trig. (20 minute walk)

ACCESS BY 2-WHEEL DRIVE VEHICLE

