

FIELD BOOK No. 2

Surveyor A. J. Bennett

Containing Surveys in the
Districts Lyndon

Traverse at Lyndon
Date September 1912



Table of Versed Sines for each 10 Minutes from 2° to 25° inclusive.
Correction to 100 links for Slope.

Deg.	Min.	Vers. Sin.	Deg.	Min.	Vers. Sin.	Deg.	Min.	Vers. Sin.
2	...	·06	10	...	1·52	18	...	4·89
	10	·07		10	1·57		10	4·98
	20	·08		20	1·62		20	5·07
	30	·09		30	1·67		30	5·17
	40	·11		40	1·73		40	5·26
	50	·12		50	1·78		50	5·35
3	...	·14	11	...	1·84	19	...	5·45
	10	·15		10	1·89		10	5·54
	20	·17		20	1·95		20	5·64
	30	·19		30	2·01		30	5·74
	40	·20		40	2·07		40	5·83
	50	·22		50	2·12		50	5·93
4	...	·24	12	...	2·18	20	...	6·03
	10	·26		10	2·25		10	6·13
	20	·29		20	2·30		20	6·23
	30	·31		30	2·37		30	6·33
	40	·33		40	2·43		40	6·43
	50	·36		50	2·50		50	6·54
5	...	·38	13	...	2·56	21	...	6·64
	10	·41		10	2·63		10	6·75
	20	·43		20	2·69		20	6·85
	30	·46		30	2·76		30	6·96
	40	·49		40	2·83		40	7·06
	50	·52		50	2·90		50	7·17
6	...	·55	14	...	2·97	22	...	7·28
	10	·58		10	3·04		10	7·39
	20	·61		20	3·11		20	7·50
	30	·64		30	3·18		30	7·61
	40	·68		40	3·26		40	7·72
	50	·71		50	3·33		50	7·83
7	...	·74	15	...	3·41	23	...	7·95
	10	·78		10	3·48		10	8·06
	20	·82		20	3·56		20	8·18
	30	·86		30	3·64		30	8·29
	40	·89		40	3·71		40	8·41
	50	·93		50	3·79		50	8·53
8	...	·97	16	...	3·87	24	...	8·64
	10	1·01		10	3·95		10	8·76
	20	1·06		20	4·04		20	8·88
	30	1·10		30	4·12		30	9·00
	40	1·14		40	4·20		40	9·12
	50	1·19		50	4·28		50	9·25
9	...	1·23	17	...	4·37	25	...	9·37
	10	1·28		10	4·45		10	9·49
	20	1·32		20	4·54		20	9·62
	30	1·37		30	4·63		30	9·74
	40	1·42		40	4·72		40	9·87
	50	1·47		50	4·80		50	9·99

Table of Versed Sines for each 10 Minutes from 26° to 45° inclusive
—continued.

Deg.	Min.	Vers. Sin.	Deg.	Min.	Vers. Sin.	Deg.	Min.	Vers. Sin.
26	...	10·12	33	...	16·13	40	...	23·39
	10	10·25		10	16·29		10	23·58
	20	10·38		20	16·45		20	23·77
	30	10·51		30	16·61		30	23·96
	40	10·63		40	16·77		40	24·15
	50	10·77		50	16·93		50	24·34
27	...	10·90	34	...	17·10	41	...	24·53
	10	11·03		10	17·26		10	24·72
	20	11·16		20	17·42		20	24·91
	30	11·30		30	17·59		30	25·10
	40	11·43		40	17·75		40	25·30
	50	11·57		50	17·92		50	25·49
28	...	11·70	35	...	18·08	42	...	25·68
	10	11·84		10	18·25		10	25·88
	20	11·98		20	18·42		20	26·08
	30	12·12		30	18·59		30	26·27
	40	12·26		40	18·76		40	26·47
	50	12·40		50	18·93		50	26·67
29	...	12·54	36	...	19·10	43	...	26·86
	10	12·68		10	19·27		10	27·06
	20	12·82		20	19·44		20	27·26
	30	12·96		30	19·61		30	27·46
	40	13·11		40	19·79		40	27·66
	50	13·25		50	19·96		50	27·86
30	...	13·40	37	...	20·14	44	...	28·07
	10	13·54		10	20·31		10	28·27
	20	13·69		20	20·49		20	28·47
	30	13·84		30	20·66		30	28·67
	40	13·98		40	20·84		40	28·88
	50	14·13		50	21·02		50	29·08
31	...	14·28	38	...	21·20	45	...	29·29
	10	14·43		10	21·38			
	20	14·58		20	21·56			
	30	14·73		30	21·74			
	40	14·89		40	21·92			
	50	15·04		50	22·10			
32	...	15·19	39	...	22·28			
	10	15·35		10	22·47			
	20	15·50		20	22·65			
	30	15·66		30	22·83			
	40	15·82		40	23·02			
	50	15·97		50	23·21			

A.B.
20/4/12.

Ocean

Indian

1

11350

10350
10100

600 9700

500 8700

500 7850

400 7150

400 6600

500 5600

100 4600

50 3700

1/2
1/2
1/2
Sand
hills

1/2 mile to range.

A.B.
20/4/12.

Ocean

200 2900

500 1700

500 700

00

32° 49'

153° 9' 50"

Sand
hills

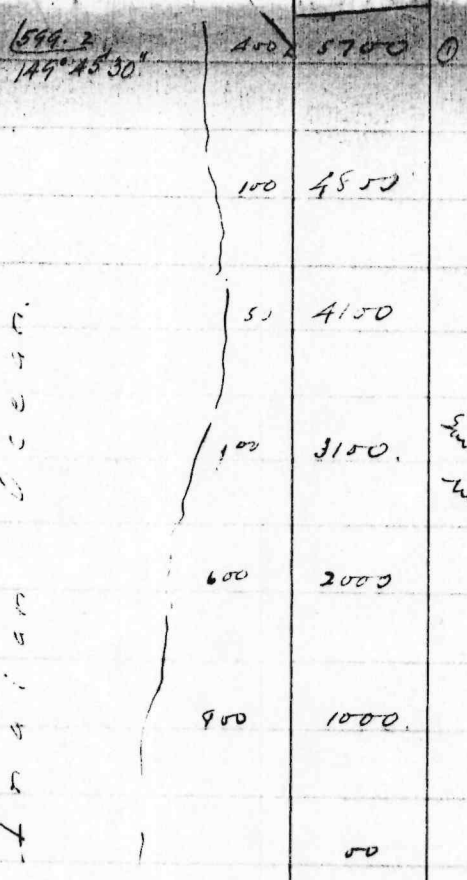
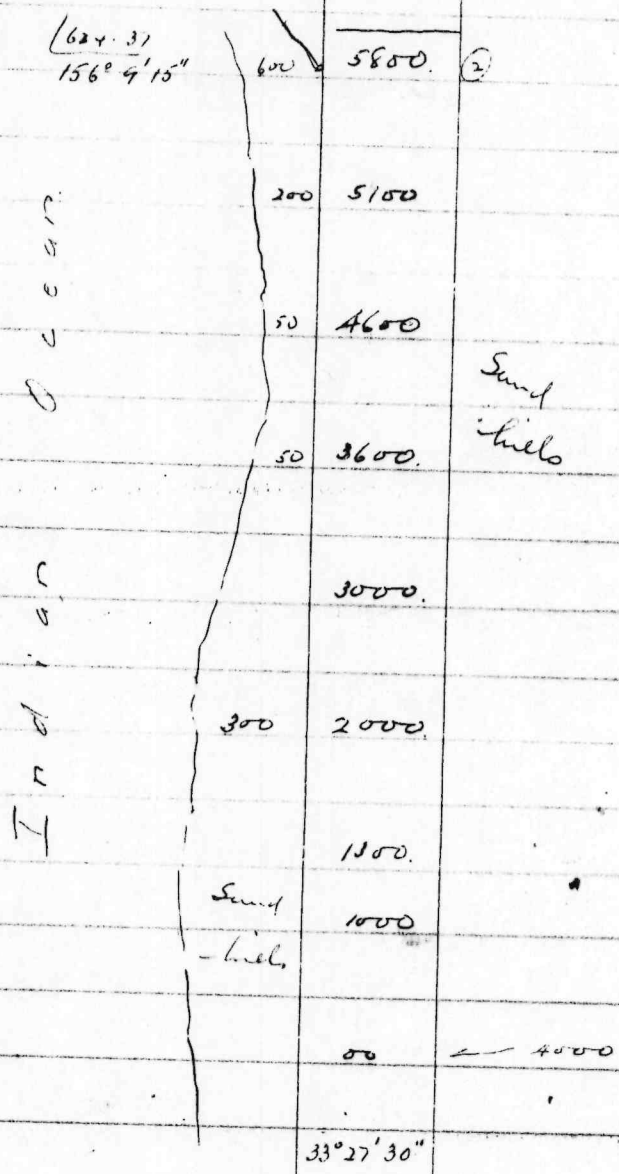
Traverse of Indian Ocean

Cor 4272
08

Continued from F.B. 59.

AJB
20/9/12

2



"Bundera Bundera"

Well of water 700

13100

8 feet

596.23.40
149° 5' 55"

12300

11300

with

99B
2/9/12

1600

Isley range

UCCAR

120	3500	2000
100	2900	
50	1800	
20	1000	Drift Sand
	00	
	23° 14' 15"	

673.21
168° 20' 15"

2700	⑥
2675	

I-17 d 100

2000	Drift Sand
1000	
00	

34° 56' 8"

99B
2/9/12

17700	⑥	683.24 170° 51'
		Sand Cliffs

300	16800
-----	-------

150	15800
	15600

Sand bar	15500
	10000



	14600
150	14500

Yardi Creek contains salt water of considerable depth. Gorge about two chains wide and between perpendicular cliffs. Fresh water pool higher up in rocks

200	13700
-----	-------

120	12700
-----	-------

Sandy
flat

	12200
--	-------

150	11200	AB 56
-----	-------	----------

A/B
21/4/12. Sun.

6

Indian Ocean

$\frac{680.36}{170^{\circ} 4'}$

200 17500

1100

200

$13^{\circ} 23' 15''$
Obs.

300 17700

300 17000

200 16200

15900

500 14900

14600

1000 13600

12800

1000 11900

Drift
Sand

11000

400 10000

9000

300 8500

AB part.
57

7600

6600

Drift
Sand

50 6100

5700

150 5100

200 4600

Sand hills

21/4/12.

4h 10m.

Rtn 360°

Return 360°

$\times 90^{\circ} 29' 20''$ alt
 $\times 90^{\circ} 36' 40''$ 28° 35' 30"

$\times 270^{\circ} 1' 20''$ coal. t.
 $\times 270^{\circ} 8' 40''$ 62° 9' 0"

② Latitude 22° 17' 10"

13° 25' 34"

21.20

Sand
hills

Sand
hills

A/B
21/4/12.

Indian Ocean

Robinson

AB
621/4/12

7

RR

"Kulyerimünna"

500
300
Well
(salt)

4920

B
50 best

635.42
158° 56' 45"

Drift
Sand

400 4220

630.27
87° 36' 45"

To Cairn B 58
10444 cal.
58 ft.

3620

350 3220

300 2420

Drift
Sand
- hills

250 1420

666.56
66° 44'

To Cairn B 58

200 1000

353° 21'

669.52
159° 55'

150 9340

(8)

AB
621/4/12

100 9000

Drift

100 8100

Sand
hills

7300

7000

6000

100 5000

100 4500

100 3800

150 2800

Sand
hills

To B 58 cairn.
At 36' sec. p. 25.

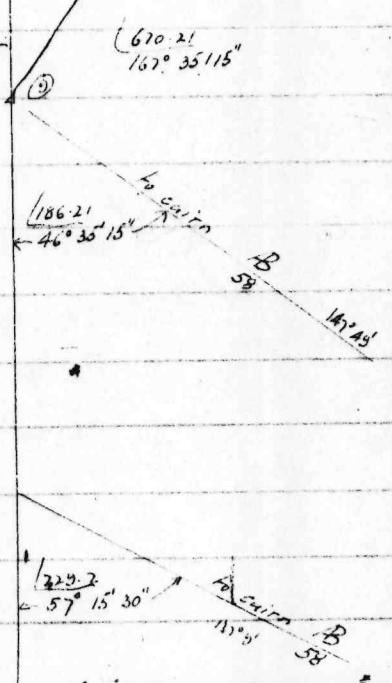
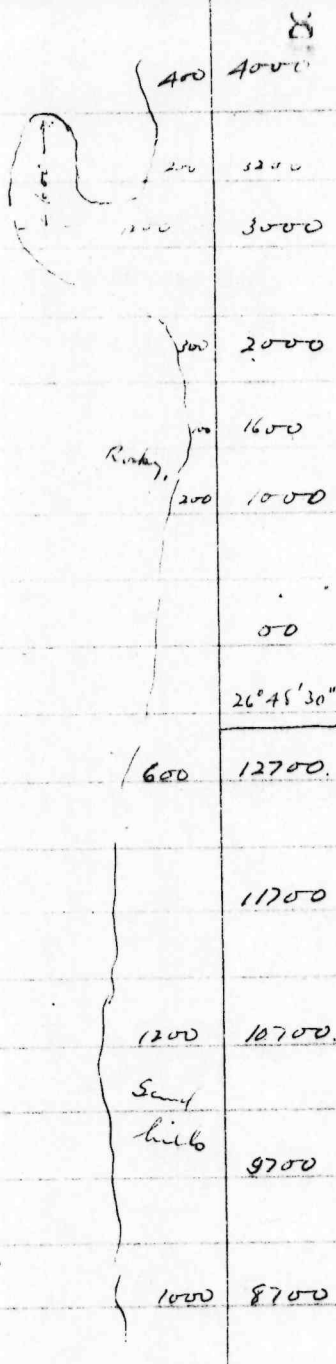
200 1700

X

112° 40'
28° 10'

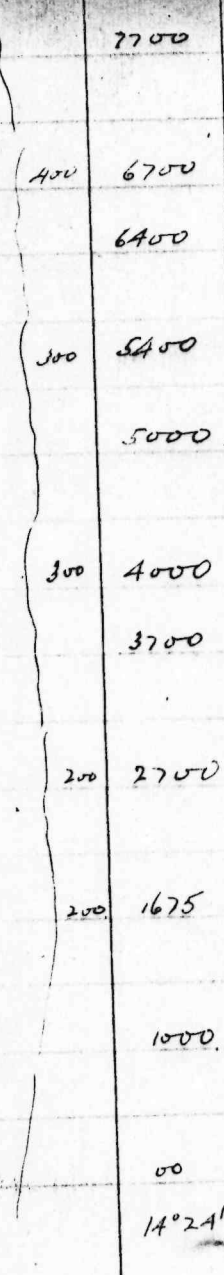
JPB
 21/9/12

Indian Ocean



JPB
 21/9/12

Indian Ocean



Salt marsh
 Scrub.

Drift
 sand
 hills

9/16
21/9/12

9
4700

Sand
hills

500 3900

2900

800 1900

Sand
hills

1000

00

12° 9' 30"

649.5120
124° 51' 50"

1000 5800

(12)

1200 5100

900 4200

600 3200

ridge

300 2200

100
181 post
60

300 2000

101.25
425° 22'

100 1000

Section in
Semb

00

17° 11' 45"

628.6520
157° 13' 50"

1100 2400

(11)

1900

60 900

00

39° 58' 15"

200 4900

(13)

667.20
166° 50'

400 4000

Ocean

Indian

9/16
21/9/12

Ocean

Indian

38 W. 11th Bungalows
range continues

11/4/13
12/1/12

14300

18300

150 17900

200 17600

50 16750

10 16200

50 15200 AB post

14600

Rocky 13600

13500

12900

11900

10950

100 10250

200 9700

400 8700

500 8100

7200

6200

800 5700

4700

Sand
hills

Gravel

Sand
hills

11/4/13
12/1/12

11/4/13
12/1/12

11/4/13
12/1/12

11/4/13
12/1/12

11/4/13
12/1/12

2/16/12

688-37-40
172° 8' 40"

100 9450

(14)

100 8500

200 7500

200 6500

150 5600

Sand
hills

100 4850

100 3800

3500

Sand Bar

3300

3200

100 2800



50 2000

Sand
hills

50 1000

50

21° 44'

50 26200

(15) Sand
hills

400 24200

23200

100 22200

100 21500

Sand
hills

50 20500

20200

19300

681-41
170° 26' 15"

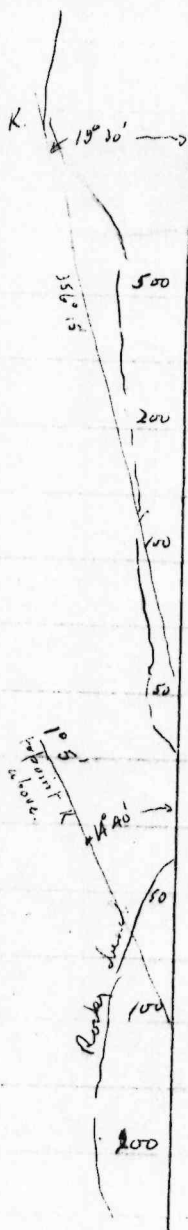
Indian

River

A. J. B.
6/20/12



Ocean
I 7 4 1 4 7



12200	
11600	
10500	
9500	
8500	
7600	
7400	
6400	
5900	
4900	
3900	
2900	
2000	
1000	
00	
14900	
14200	
13200	
12400	
11400	

Sun Obs. 25/1/12 At 30m
 12.1. 360° R. 360°
 * 84° 29' 20" alt
 * 14° 58' 0" 15° 58' 30"
 * 164° 1' 40" alt
 * 304° 10' 20" 33° 21' 30"
 12.1. 360° R. 360°
 * 83° 37' 0" alt
 * 53° 45' 40" 23° 50' 30"
 * 263° 12' 20" alt
 * 263° 21' 0" 67° 3' 30"
 Latitude 22° 6' 30"
 (Strong wind)
 15° 44' 3"
 CBP 2 p 33

AB post.

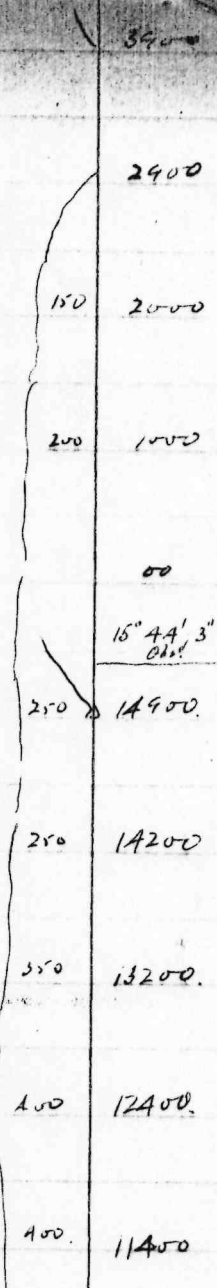
Sandy
 Springs

Rocky range

A. J. B.
6/24/12

Ocean

I 7 4 1 4 7



3900	
2900	
2000	
1000	
00	
14900	(15)
14200	
13200	
12400	
11400	

Sandy
 tent

675.68
 165° 54' 30"

Q9B
26/9/12.

Point of land P (W.L.W.)

Ocean

Rocky

Indian

14

60	3000
	2800
150	1800
50	1000
	00
	21° 35'
50	4400
	4800
300	3700
	2600
210	2000
300	1000

(18) $\frac{647.37}{174^{\circ} 24' 15''}$

Sand/Shell

(17) $\frac{651.36.20}{170^{\circ} 24' 5''}$

Sand/Sand

181 110 210 300
1348.51 104° 46' 81° 2' 45'

Tulki

Grass in rock containing permanent water of fair quality. At present the water can only be obtained by dipping with a small vessel but storage should be readily provided by blasting.

Q9B
26/9/12

$\frac{605.0}{176^{\circ} 15'}$

Indian Ocean

Point of land 234.5

Sand bar

11° 59'

	16750
	16300
	15500
	15100
	14900
	14850
	13850
	13200
	12800
	12650
	12200

Sand hills

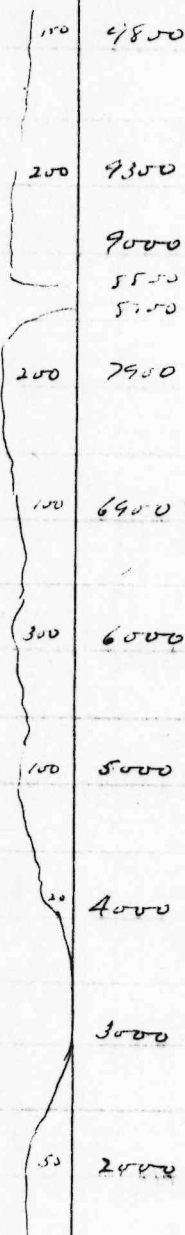
Shallow creek

300

GPB
26/1/12.

Indian Ocean

15

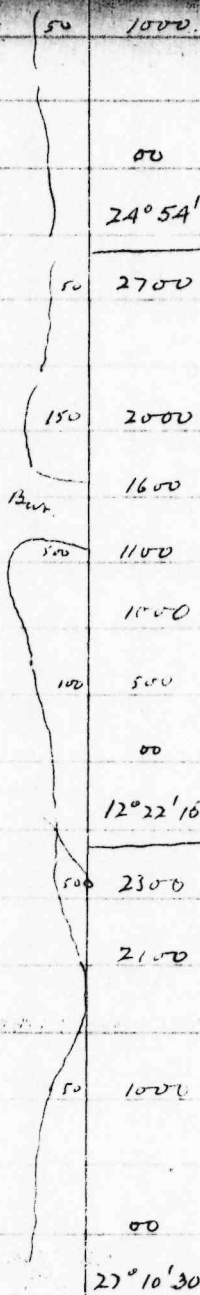


Sand
hills
(coral
only)

Salt Pond
Lagoon

GPB
26/1/12

Indian Ocean



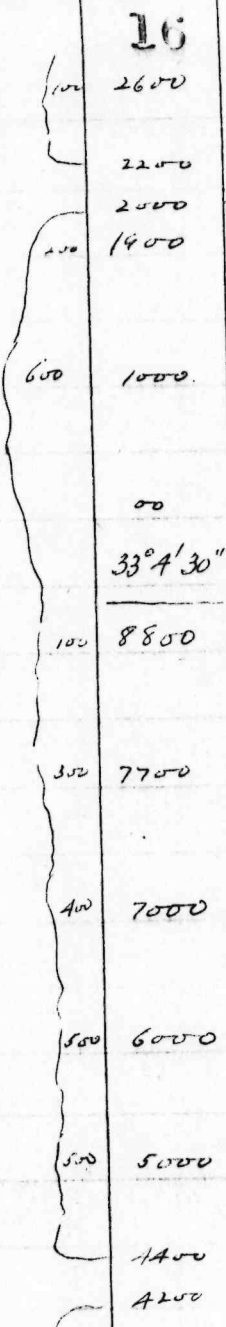
Sand
hills

Stony
flat

1660.75
160°12'

99B
26/9/12.

Indian Ocean



soft mud
beds.

AB part.
65

$\frac{640.9}{160 \cdot 2' 15''}$

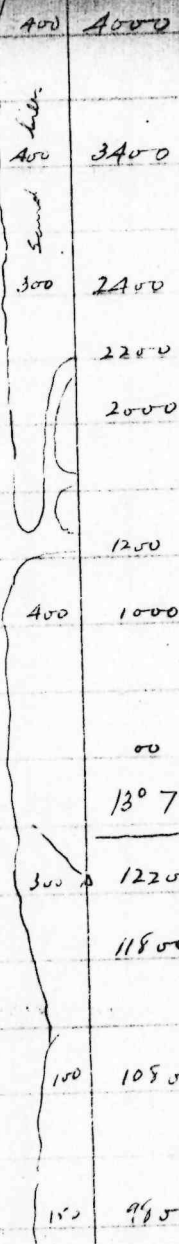
Sand bank
Samb

Soft mud

Sandy creek

99B
26/9/12.

Indian Ocean



spunfa

Sandy creek

Sandy

$\frac{672.53}{165 \cdot 13' 15''}$

(20)

1916
27/4/12

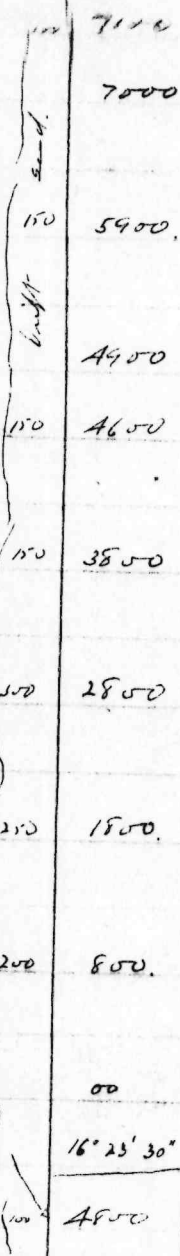
17

1514 24
188° 36'

Seagrass

Indigo

643.11
173° 11' 45"



Seabed
Sandy

6000

Spindle

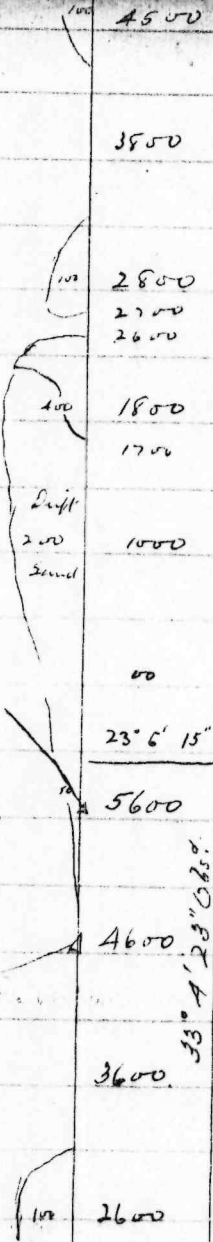
16° 23' 30"

Sand
Chalk

1916
26/4/12

Seagrass

650.9
170° 2' 15"



Quality

Seabed
F.M.T.

23° 6' 15"

(21)

33° 4' 23" 02.5"

Sun 06.00 26/4/12 4h 30m

R. 12.36.00 Return 360°

* 65° 34' 40" alt
* 65° 44' 0" 23° 27' 0"
* 245° 9' 20" west
* 245° 18' 40" 67° 28' 0"

(calm day)

Latitude 22° 2' 0"



Q. J. B.
27/4/12.

Ocean.

615.29
158° 52' 15"

Inclining

300	2100
300	1300.
400	
00	
342° 41' 30"	
400	6340
5400	
100	4400
100	3600.
200	2900
300	2000

Ab. 60.6
66

Skimpex.

Q. J. B.
27/4/12

58A. 11
146° 2' 45"

Inclining Ocean.

400	1000
00	
8° 49' 30"	
400	6300
5400	
100	4500
100	3500
100	2500
150	2000.
1400	
1500	
1000	
00	
42° 47'	

(24)

Saltwater

at 6000 to small rock
hole
"Mylgering".
portion very doubtful
as I was not informed
about this water
until I was a
considerable distance
past. Q. J. B.
30/4/12.

Saltwater

Emaphria

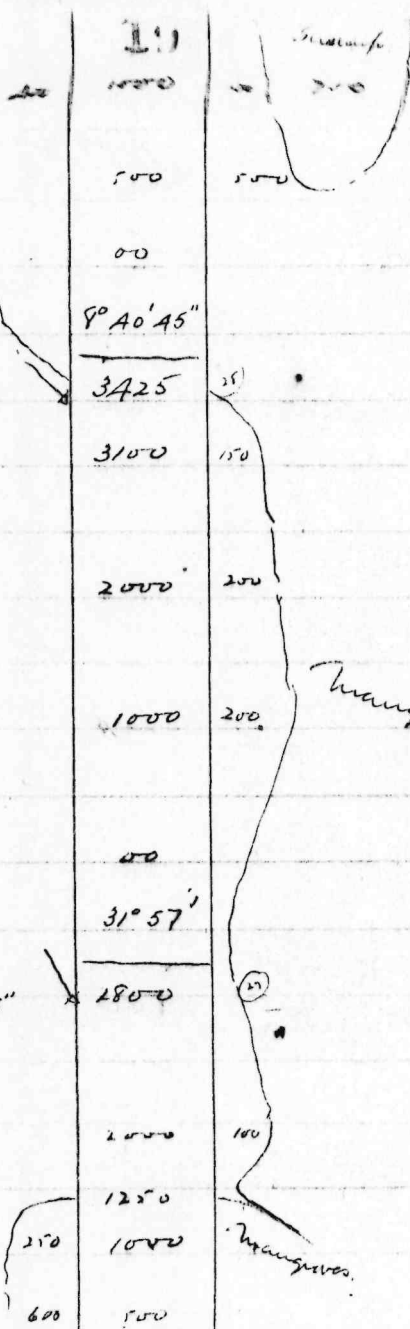
Gr. 16 (m/f.)

A. B.
27/9/12

(626.57)
156° 44' 15"

Indian Ocean

(544.41)
136° 10' 15"



A. B.
27/9/12

Indian Ocean

75° 47' 15"

3000

2200

1100

16° 44'

5800

5500

4400

2000

3000

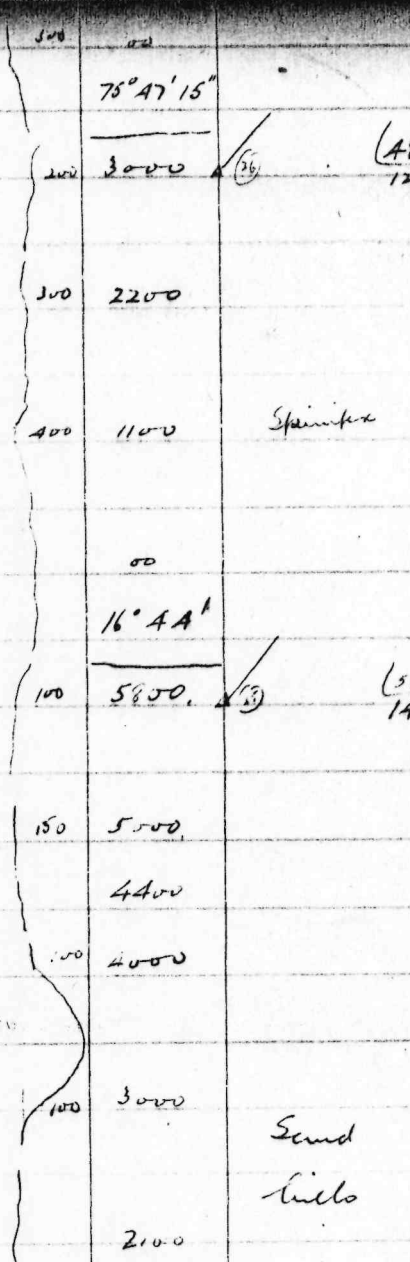
2100

(483.45)
120° 56' 15"

(513.48.1)
148° 57'

Spencer

Sand
hills



24/15
28/4/12

20

Ocean
Indian

600	6700
300	5700
500	4850
700	3800
150	2800
	2500
	1700
100	800
	00
	46° 20'
200	6500
	6300

Sprinkle

Swamp

Swamp

AB
67 part

$\frac{1631.39}{157^{\circ} 54' 45''}$

24/16
27/4/12

Ocean
Indian

600	5300
700	4300
400	3200
	2500
	2000
	1000
	00
	24° 15' 15"
200	3000
	2800
400	2100
	1400
1000	1300
400	1000

300 500

Drift
Sand

Swamp

400 500

$\frac{1657.40}{164^{\circ} 25'}$

Changrue

1500

Swamp

1000

100 200

9.9B
28/4/12.

Ocean.

Indian

21

2100

150

1100

AB post.
68

49° 21'

150

10510

528.39
144° 39' 45"

9775

200

8975

300

8100

200

7140

Small
mud

150

6500

250

5500

300

4800

300

3700

Small
hills

9.9B
28/4/12.

Ocean.

Indian

300

3100

131.3
32° 40' 45"

2000

100

1600

31° 27'

1000

50

1112 cul.
32° 50'

Well in rock.
good water.
"Tantabiddi"

14° 1' 15"

543.40
135° 55'

300

3200

3100

3000

2900

100

2000

1900

1800

Shallow creek

150

1000

00

55° 6' 45"

400

7300

672.51
168° 12' 45"

500

6700

24B
28/9/12.

Ccean.

Indiar

22

100 2400 (17)

6552.42
138° 10' 30"

1600

800

Drift
sand
- hills

00

5° 21'

630.14
157° 33' 30"

1500 (26)

1000

00

28° 48'

5200. (35)

6499.5
174° 46' 15"

5100

4000

3000

24B
28/9/12.

Ccean.

Indiar

500 2000

Sand hills

1000

Sandy flat

00

23° 34' 45"

616.57
154° 14' 15"

500 7400 (3A)

100 6400

6000

Swampy

8000

5700

Swampy

100 4400

100 4100

3100

100 2100

A.B.
28/9/12.

23
5000

4000

3000

2000

Salt marsh

1000

50

82° 34'

2000

Sand dune

1000

50

77° 28'

B
69.

150° 41' 30"

699.37
171° 54' 15"
Springer

Connection to Kudumirum Well.

Traverse continued
12 F.B. 61.

155° 49' 30"

3400

602.46

B 150° 41' 30"

69 feet

3400

Bar lying
2/1000

2400

1400

1100

Sand
hills

48° 10' 3"
Obs.

Sun Obs. at B. on 1-10-12

R. 360° Return 360°

212° 7' 20" alt. 22° 59' 30"

212° 17' 20" alt. 22° 59' 30"

31° 37' 40" alt. 59° 7' 30"

31° 47' 40" alt. 59° 7' 30"

Line 86 10 m.

Latitude 21° 53' 40"

Indian
Ocean.

30-9-12.

Cavin entered with post numbered
 AB
 70. No angles read as there
 was nothing prominent visible except
 the wreck of the ss. Mildura

Cavin a bare hill and is 8 feet
 in diameter at the base and eight
 feet high and will be visible
 from various points along Lamoth
 Gulf, thus serving as a check on
 the northern portion of this work.

AJB
 30/9/12.

AJB
 26/9/12.

"Kudamuru"

1030

1000

00

53° 20'

7000.

603.3
 150° 45' 45"

Sul. H. 1000.

6000.

5000.

Well in rock.
 good supply of
 good water.

This is to certify that these field notes have been taken in the field by me personally (or under my own personal supervision, inspection, and field check), and are the actual results of the observations and measurements.

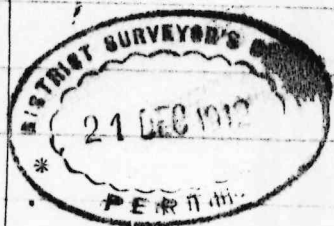
Arthur J. Bennett

Licensed Surveyor.

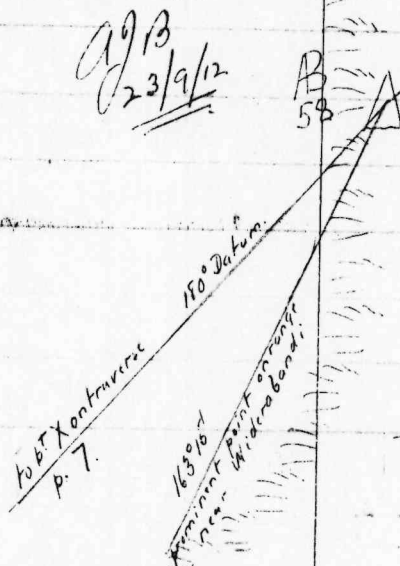
Date, *1/10/12.*

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Spent considerable time looking for suitable site to erect a cairn which would be visible from a point to the east (on Exmouth Gulf). The site chosen though not visible from the East or South East should be seen from the North East. Erected a cairn 6 feet in diameter and 8 feet high placing a post numbered AB 58 in the top. No tall poles available and in any case one is not desirable in account of the storms likely to be encountered.



Undulating
 tableland
 no prominent
 points.