

FIELD BOOK No. 60

Surveyor

A. B. Smith

Containing Surveys in the
Districts Lydon

Date



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			

11.13
10/1/10

4
5
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91
92
93
94
95
96
97
98
99
100

	14700
600	13600
500	12600
400	12100
300	11070
200	10370
100	9670
500	8970
400	8070
300	7770
200	7170

Undulating
Sandy
Country
Springs

High
Sandy
Hills
with
Springs

11.13
10/1/10

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
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92
93
94
95
96
97
98
99
100

700	6370
600	5300
500	4400
400	3900
300	3100
200	2400
100	1860
700	1600
600	1100
500	00

High Sandy Hills

Sandy
Hills

Collected from F.B. 58.

160° 19' 5" 331. 57. 20°

Traverse of Indian Ocean
Corr 9272
06.

A.B.
10/5/12

(668.26
167° 6' 30"

336° 48'

3200

2300

1300

1000

00

349° 41'

6450

6400

6800

6000

5800

5600

5100

White
light
Sand
hills

Sand
hills

(708.24.20
177° 7' 20"

Slopes

High
Sand
hills

Deer

Indian

A.B.
10/5/12

To Pt. Glades Light house
320° 13'

Sand
hills

4100

3700

2900

2100

1000

00

346° 48'

17260

16900

16600

15530

14500

14100

Sand
hills

Sand
hills

AB
39 post. (660.58.40
165° 9' 40"

High sand
hills

Carter Hill
no sign of old mark.

Ocean

Indian

C. J. B.
10/14/12.

Green.

Ind. 100

I

4725

3925

3120

2100

1000

00

338° 59' 10"

6900

6000

5000

4000

3000

2000

1000

00

328° 15' 15"

5200

4500

4000

3000

2000

1000

Artike
Drift
Sand
- hills

676.58
169° 14' 30"

Ab. 1000? o Well - Windmill.
(water bed)

"Butherawulka"

I did not see this
well until I had
got a long way
past it and
then only judged
perhaps

Drift
Sand

Drift
Sand
- hills

AB post. 4' 6" long. sunk 3' 6"

Drift
Sand
hills

to
Lighthouse.

4 58.31
15° 57' 45"
314° 35'

685.40
171° 25'

Ind. 100

AJB 11/9/12

Indian Ocean.

150	12505
	12100
	11705
300	11290
	11030
300	9930
250	9135
150	8530
100	7470
	7170
	6605
	6000
50	5000

Kadjilikundi
 "Kadjilikundi"
 Well
 Windmill (very good water)
 (different species)

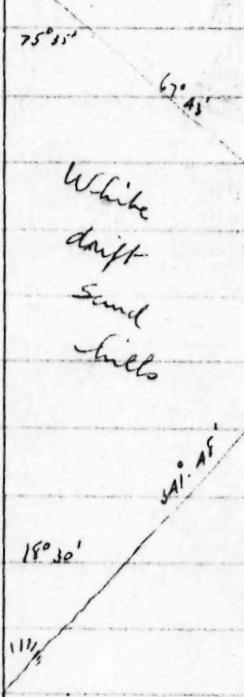
White
 Sand
 hills

Coast sand hills
 extend about 60 chains
 inland

AJB 11/9/12

Indian Ocean.

120	4100
	3500
30	3000
	2900
	2600
50	1600
100	1100
	400
111	00
	323° 18'
150	5840
200	5125
111	338° 59'



White
 drift
 Sand
 hills

Black Rock Well
 (Good water)
 Windmill

Coast sand hills
 extend about 60 chains
 inland

657.15
 164° 18' 45"

10" Okd

Sun Obs. 8h 45m.
 Ret. 22° 45' 40"
 R.M. 360° Return 360°
 263° 53' } alt 31° 17' 0"
 269° 58' }
 89° 13' } coast
 89° 24' } 58° 1' 30"
 338° 59' 30"
 Cal R. P. 2 P. 21

150	12805'
-----	--------

246° 30'

AJB
12/9/12.

43 post.

49051

no	8730
----	------

Low
drift
sand
shell

7020.

5820.

White
Sand
lites

4720.

4620

200	36 10
-----	-------

250	2970
-----	------

2470.

2070.

300	1000.
-----	-------

50

244.14.30

$$\begin{array}{r} 680.54 \\ 170^\circ 13' \end{array}$$

4460.

⑦

3960

400	3360.
-----	-------

Sand
hills

2700.

2200

A.B.
12/9/12

Ocean

8
3000
2000
1000
00

low
sand
ridges

345° 10'

Fraser Island

(671.37)
167° 53' 30"

1800

(12)

sand hills

1000

327° 15'
0° 25' 40"
302° 1'

00

357° 16' 45"

(662.24)
165° 36'

4200

(11)

swamps

3100

white
sand
hills

2400

1400

A.B.
12/9/12

Fraser Island
which of ss. Betts

600

00

11° 41'

1900

(10)

(442.27)
128° 6' 45"

1000

00

312° 45'

1180

(9)

(625.7)
168° 46' 45"

1000

White sand
hills

00

303° 35'

10830

(5)

(482.37)
120° 39' 15"

10330

AB
43

A.B.
11/14/9/12.

$$\begin{array}{r} 161^\circ 41' 45'' \\ \underline{6 + 6 + 7} \end{array}$$

Sun 06.7

4h. 40m. p.m.
Return 360°

~~X~~ ^W $315^{\circ} 48' 0''$ } act
~~X~~ $315^{\circ} 55' 20''$ } $21^{\circ} 15' 30''$
~~X~~ $135^{\circ} 22' 40''$ } count $\frac{L}{-}$
~~X~~ $135^{\circ} 30' 0''$ } $60^{\circ} 26' 0''$

Latitude $22^{\circ}41'45''$

147. 41. 1-2

Box B
44

~~41°45'~~

Fraser I

$318^{\circ} 51'$
 $0^{\circ} 32'$
 $317^{\circ} 33'$

G. J. B.
12/9

34° 55' 15"

1000

$$\begin{array}{r} 671.1420 \\ \hline 167^{\circ} 45' 35'' \end{array}$$

2050

Drift
Sound

1555

$$22^{\circ} 44' 15''$$

2252

2052

$$\begin{array}{r} 627.55.20 \\ \hline 156^{\circ} 58' 50'' \end{array}$$

Drift-
sand
ridge

wreck of
ss. Part 12.

~~38° 45' 70° 10'~~

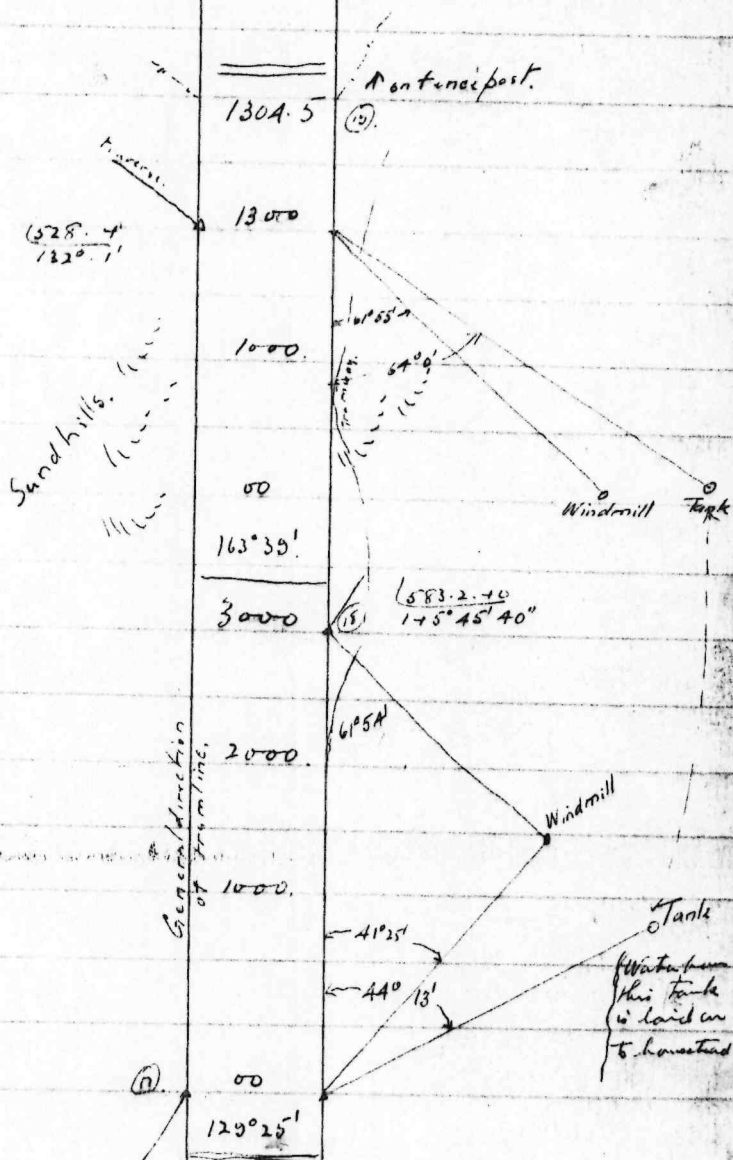
359° 43' 15"

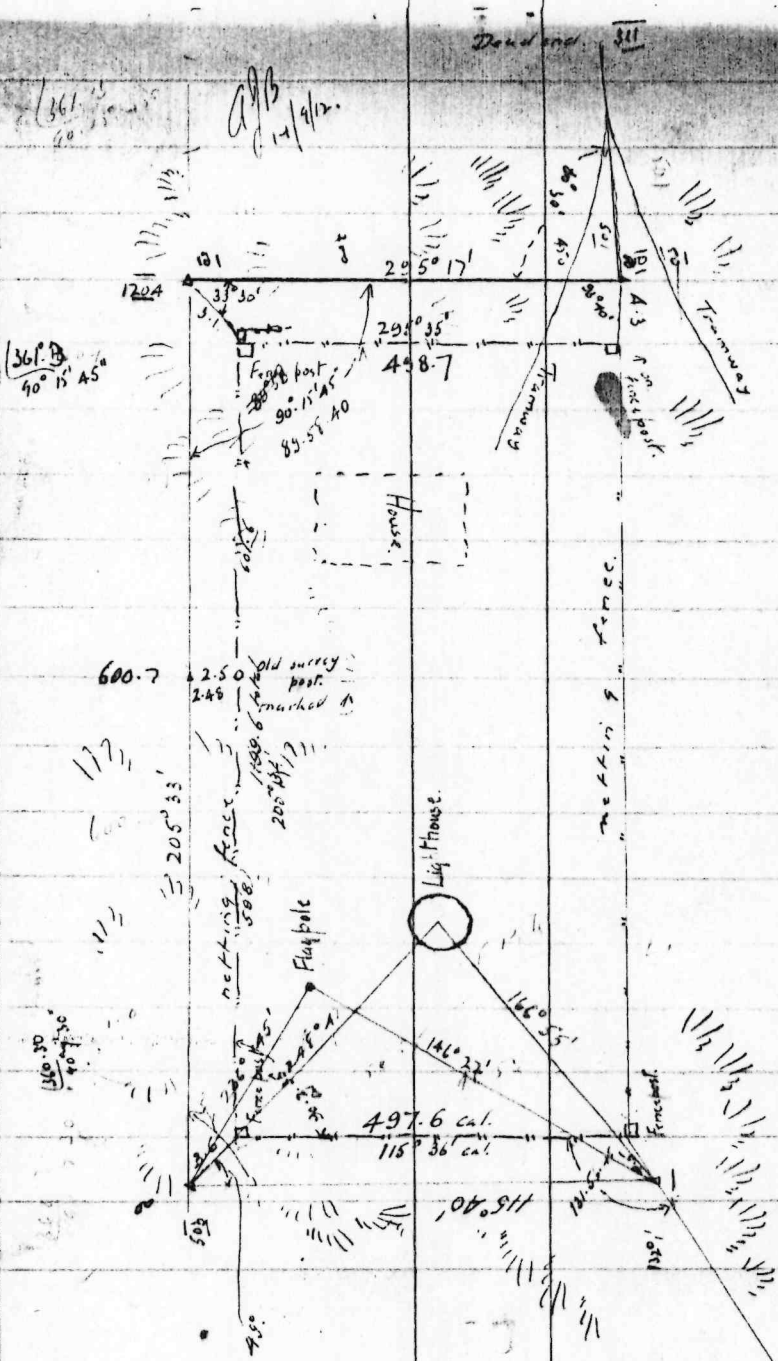
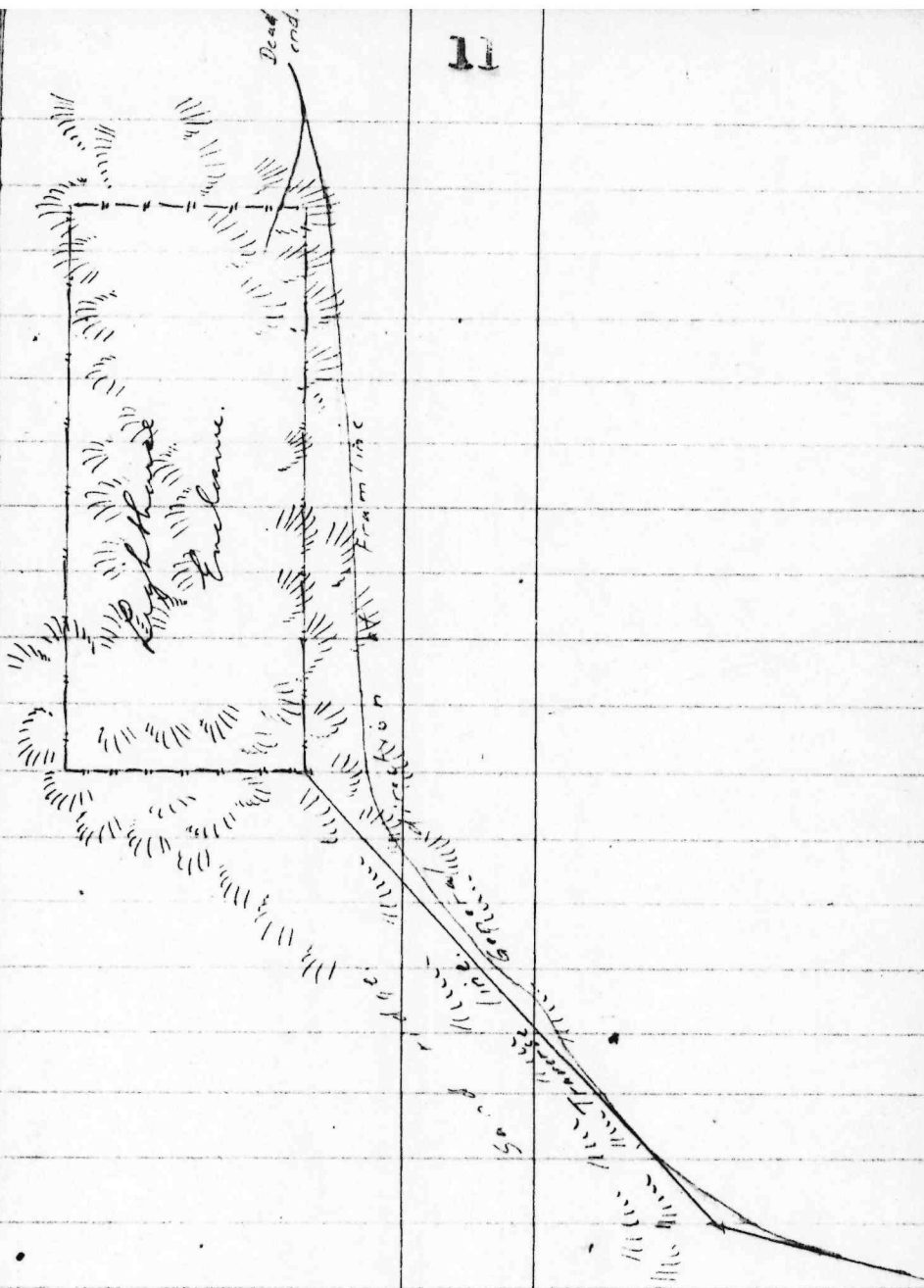
3750

$$\begin{array}{r} 661.46 \\ 165^{\circ} 26' 30'' \end{array}$$

3550

C.G.B.
1-19/12





A.B.
16/9/12.

Frame J

2

305° 43'

302° 43'

8° 47'

571.20
142° 50'

20° 27' 45"

1350

1300

Indian Ocean.

Very good
boat landing

600.

400

00

57° 39' 45"

6100

5700.

4700

3700

Drift sand ridge

Sample line
flat

(23)

Drift sand ridge

Drift sand

(24)

A.B.
16/9/12

Indian Ocean.

H.W.M.

2700

1700

1200

900.

00

12° 16'

635.46.40
154° 41' 40"

3500

3000

2000.

1000.

00

32° 34' 30"

Drift sand ridge

Sandy
flat.

Sand.

X

Sec. 9.

251.25
64° 51' 15"

(25)

A.B.
16/4/12.

13

Ocean

Indian

$\frac{635.8}{158^{\circ}47'}$

4160

3700

2700

80

1667

Sand
mils

110

1000.

00

$327^{\circ}53'30''$

300

6500

AB
45 post.

5500.

Drift
Sand
mils

4600

50

4200.

A.B.
16/4/12.

Ocean

Indian

$\frac{677.620}{169^{\circ}16'35''}$

3200

2200

1500

1000

00

$349^{\circ}6'45''$

2900

1900

1000.

00

$359^{\circ}50'30''$

2200

2000.

White sand
mils

Drift
Sand

160

150

AB
16/4/12

14

2400

Sandy
-int

600

1400

400

00

14° 53'
0854

6000

(27)

1562.20
140° 35'

5980

5380

Drift
Sand
hills

4680

4080

3000

1950

Indian Ocean

Fraser I.



261° 0'

30° 0'

24° 25'

255° 50'

1100

00

335° 28' 15"

150

9820

(30)

1689.41
172° 25' 15"

200

8720

7900

150

7200

200

6550

Drift
Sand
hills

100

5134

4534

4160

Indian Ocean

Light house

1/36.26
24° 6' 30"

A.B.
17/9/12.

Ocean
Indian

15	8800	50
	8000	50
	7000	30
	6500	
	5500	50
	4500	100
	3500	20
	3200	
	2200	50
	1200	100
	500	
	00	

White
sand
hills

Drift
sand
hills

A.B.
17/9/12.

(589.58
147° 29' 30")

Ocean
Indian

	354° 16' 30"	
100	3400	(25)
	3100	
	2000	100
	1000	50
	00	
	26° 47' 15"	
50	6530	(25)
113	5500	
5	4400	
600	3400	
	3000	
	2400	

Drift sand
hills

(672.22
168° 5' 30")

Sum. Obs.
4440 m. 16/9/12.
R.M. 360. Return 360°

at 86° 46' 0" alt 19° 33' 0"
86° 58' 20" }
266° 22' 20" } cont
266° 29' 40" } 71° 10' 0"

Latitude
22° 37' 30"



14° 51' 4"

99B
17/9/12.

Indian Ocean

to Lighthouse 167° 56'
(149.3
49° 45' 45" →

16

1400 50

400

100 00

50 6'

200 10800 31

(452.17
118° 4' 15"

250 9750

100 8825

White
sand
hills

8525

7800

6900 50

5900 50

White
sand
hills

99B
17/9/12.

Fraser I.

216° 51'
218° 55' 2° 10'
R-35° 45'

Indian Ocean

(1445.37
123° 54' 15"

4900 50

3900 50

2900

100 1860

White
sand
hills

200 1100

AB post.
47 Well.
10 good water.

"Biju"

1090

00

249° 10' 30"

200 11250 30

100 10230

White
sand
hills

9800

8800 50

A.B.
17/9/12.

Indian Ocean.

AB post.
48

298° 12'
49.7

post AB is an old
post found in
position shown.
not marked in
any way
originally.

↑ 98°
Sandy
hills

250

100 12500

150 12100

11100

10100

9100

8100

7700

7500

6500

(33)

668.50
167° 12' 30"

Scrubby
Sandy
flat.

(A)

Flat
between
sand hills

A.B.
17/9/12.

Indian Ocean.

5500

5000

4000

3000

2000

1500

1000

00

20° 12' 15"

3100

2400

1400

50

50

100

White
Sand
hills

"Murellajugga"

ab. 2000 Well
good
water.

(32)

654.54
164° 53' 30"

White
Sand
hills

50

Fraser I.

149° 56'
149° 51'
149° 41'

13° 5'

17/4/12

18
1500

1000

200

50

104° 43' 30"

100 3450

(35)

558.26
129° 26' 30"

500 8500

250 7500

B
43

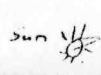
pos.

150 6400

100 5850

4900

3900



Scrubby
flint

Sum Obs. 17/4/12 4h40m.
R.N. 360° Return 360°

* 57° 13' 40" } alt
* 37° 21' 20" } 20° 20' 0"
* 216° 49' 20" } alt
* 216° 57' 0" } 70° 21' 0"

Lat. 22° 32' 55"

64° 20' 10" *GPS*
(CPP2 P22)

3000

2000

1000

00

64° 20' 15"
Obs.

4100

(34)

1594.36
148° 39'

100 3500

120 2500

150 1500

1100

100 00

32° 59' 30"

Scrubby

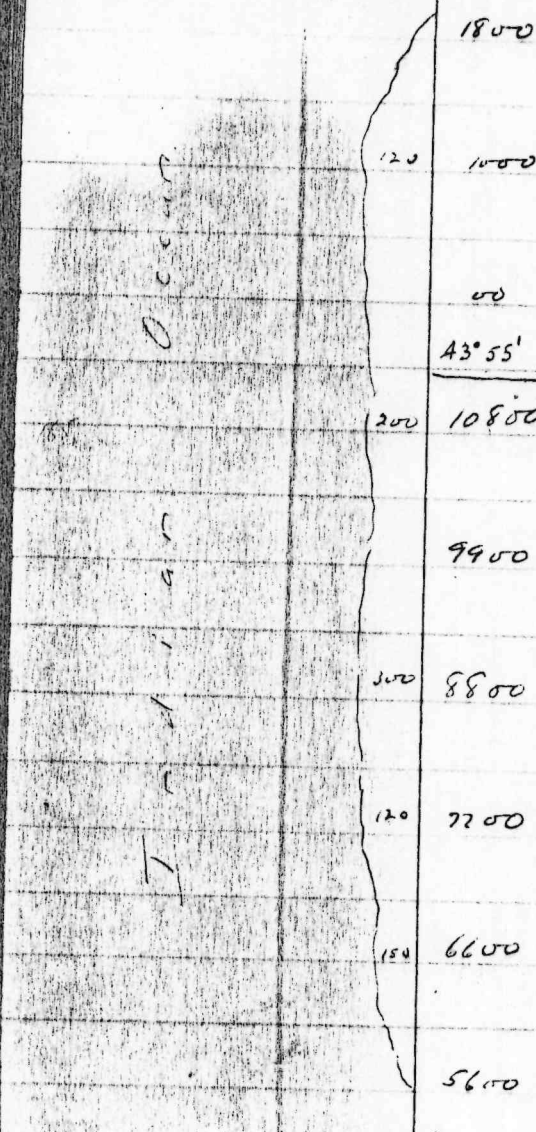
Sandy

flint.

Ind. in

11/13
18/1/12

19
2800



Sandy
flat

43° 55'

614.2
123° 30' 30"

Indian
cave

11/13
18/1/12

5000

4000

3400

3000

2000

1000

00

37° 25' 45"

3500

2700

2500

1500

Sandy
flat
about 1 mile to range

450.50
112° 42' 30"

Spruce
flat

Indian
cave

AB
18/9/12

Ocean

Indian

$\frac{694.36}{173^{\circ} 39'}$

3100
3000

(41)

2000

80

Drift
sand
hills

1000

50

00

$334^{\circ} 30' 15''$

"Widerabandi"

$\frac{644.48}{161^{\circ} 12'}$

2100

(40)

46.500

Well
P.D. 8-1

1000

80

Low
sand
hills

00

$353^{\circ} 15' 60''$

$\frac{567.9}{141^{\circ} 47' 15''}$

500 5300

(39)

AB
18/9/12

Ocean

Indian

4800

3800

2800

2000

1000

00

$31^{\circ} 31' 30''$

$\frac{670.27}{167^{\circ} 36' 45''}$

500 5070

(38)

4100

AB
50 post

46.2500 to inner range

3700

2850

10

Base
Range

Base
Range

A.B.
11/9/12

Ocean

21

1000

00

61° 8' 45"

526.0
131° 30'

3500

B post
51

Sun Obs 14-9-12
8h 30m a.m.
R. 260° Return 260°

144° 12' 40" alt
144° 19' 20" 30° 6' 0"
323° 41' 20" const
323° 48' 0" 59° 5' 30"

Latitude 22° 30' 0"

109° 39' 10"

CBP 2 P 22

Deep water in bay

Very good boat landing

109° 39' 10" 0.1"

3100

2500

1700

900

00

109° 39' 15"

1500

638.78
164° 42'

1000

Drift
Sund.

A.B.
11/9/12

Ocean

00

87° 21' 30"

940

532.3
183° 0' 45"

200

00

42 22' 30"

4570
4560

423.4
105° 46'

3960

3100

2100

Drift

Sund
Wills

1000

00

328° 9'

Indian

AGB
6/19/12

22

Ocean

(65.23)
171° 25' 15"

Surf
line
200 3000
100 2000
100 1000
00

20° 8' 30"

600 12200
600 11200
600 10200
600 9200

Rocky
Surf
line
600

8200
7100

Track. Sandy
flat

(46) 1000

Rocky
mound

AGB
6/19/12

Indian Ocean

500 6100
100 5100
200 4000
200 3000
400 2000
300 1000
00

28° 40' 30"

(570.9)
147° 32' 15"

200 3500
120 3000
1000
1000

Sandy
flat

Track.

(45)

Rocky
mound

APB
1919/12

6000

600

500

25

4000

3000

2000

1600

1000

50

5° 59' 15"

663.24
765° 51'

16800

(47)

15850

14850

14300

13450

Flat

Swire force

Flat

British

APB
1919/12

6000

400

12450

500

11700

2600

100

10800

200

10100

Scrubby

500

9100

400

8000

1000

500

7000

500

6000

400

5000

AB 52 part

300

4000

Track

6000

6000

6000

6000

6000

6000

6000

Rolling forest

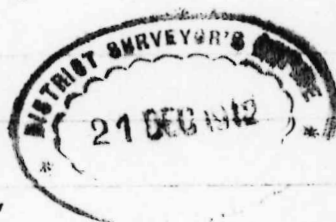
This is to certify that these field notes have been taken in the field by me personally (or under my own personal supervision, inspection, and field check), and are the actual results of the observations and measurements.

Arthur J. Bennett

Licensed Surveyor.

Date, *20/9/12*.

INDEX.



Continued in F.B. 60.

M/B
20/9/12.

Indian Ocean.

600 22100. (45)

$\frac{612.39.20}{153^{\circ} 4' 50''}$

700 21600

800 21000.

20000

*Sand
-hills*

19000.