

LAU
Islands

{ Ongea Komo XV
Nuku songea Lakemba
Teteika Thikombia-i-lau
Namuka
Kambara

BERNICE P. BISHOP MUSEUM

HONOLULU, HAWAII

FIELD NOTE BOOK

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Notes: Nov 22, 1902

Ground level 27.00 at 100'

Traverse 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36

2	50	60		
3	50	60		
4	70	85		
5	100	110		
6				
7	100	100		
8		116		
9	100		234	
10				
11	100	105		
12	100	105		
13	100	105		
14	100	115		
15				
16	870	110	5	

17	100	115	240	
18	100			
19	100	110		
20	100	120	N75E	
21	100		E-S (567)	
22	100	120	SSE	
23	100			
24	100	120		
25	100			
26	100	105		
27	100	95		
28	100	85		
29	100	65		
30	100	60		
31	100			
32	100	80		
33	100			
34	100	75		
35	100	43		
36	100	5		

station

[Faint handwritten notes, possibly describing a process or experiment. Includes phrases like "The first part of the experiment", "The second part", and "The results were".]

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Fri Mar 23

(F47) #6 - Concentration of solution
 - 27.7 at 6 ²⁵ AM

Village
 ^

[Faint handwritten notes, possibly describing a process or experiment. Includes phrases like "The first part of the experiment", "The second part", and "The results were".]

(F48) [Faint handwritten notes, possibly describing a process or experiment. Includes phrases like "The first part of the experiment", "The second part", and "The results were".]

(F49) [Faint handwritten notes, possibly describing a process or experiment. Includes phrases like "The first part of the experiment", "The second part", and "The results were".]

[Faint handwritten notes, possibly describing geological observations or survey data. The text is mostly illegible due to fading.]

for

right of passage for in the
 plane of $10^\circ 53' N$. (B. ...)
 the ...
 ...
 ...

(Sampled under low water - high tide $\frac{30}{AM}$)

The ... of low water was
 ...
 ...

411

...
 ...

(F50)

...
 ...
 ...

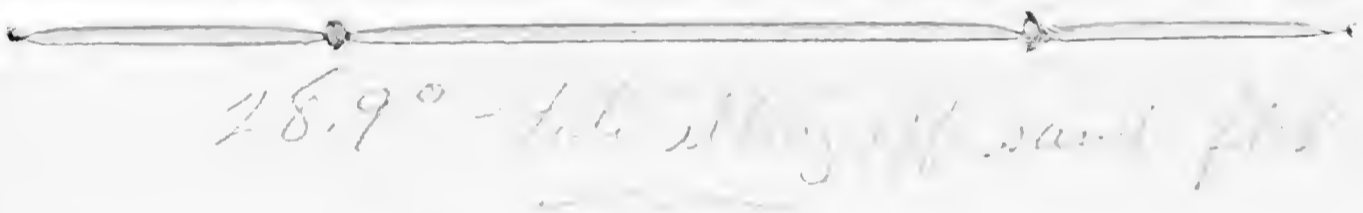
... ..
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✓ Temp. reading - for SE
... ..



28.9° - take along off sand pit

... ..
... ..
... ..
... ..
... ..
... ..

Sat - March 24th

✓ Arrived 29.20 at 5:44

✓ Temp -

... ..
... ..
... ..

Little
... ..
... ..

115. ... (23) ...
 ...
 ...

These ...
 ...
 ...

Sun. Sept. 25th

✓ Amount 27.77 @ 6⁰⁵ PM.

...
 ...

R^{III} #1 View of ... 125-126 ... (F18)

R^{IV} #2 ... 123 ... (F19)

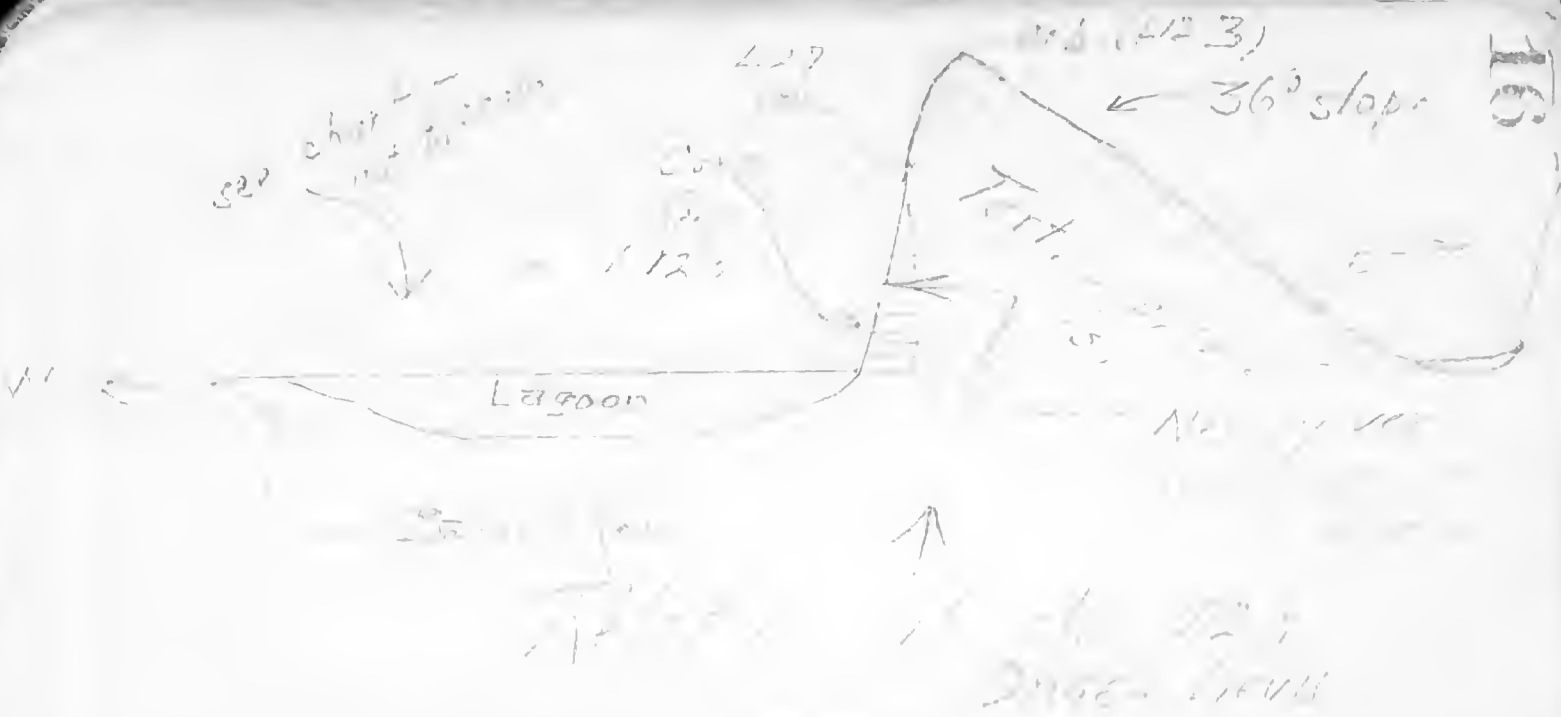
...
 ...

...
 ...

(L.123) ...
 ...
 ...

(L.124) ...
 L.127 ...

face of reef here



The seaward side of reef is at south end
 does not show reef structure - it is much
 altered - change to reef structure seems
 gradual.



50005
 1/2" = 1 m.

1113-Cloudy 1124 1125

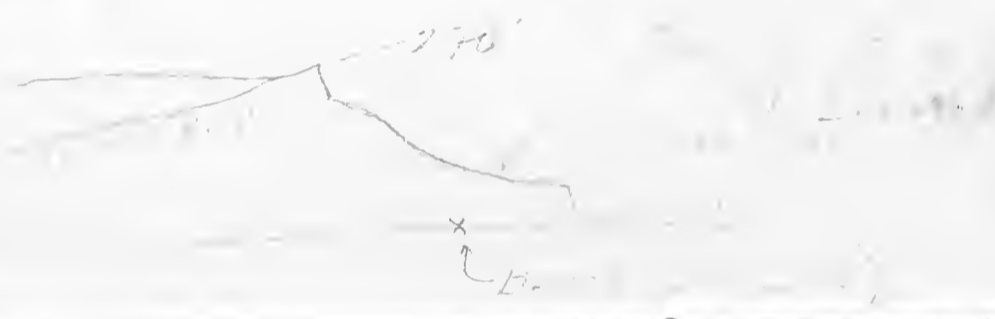
N.G-NG
NG.

1113-Cloudy 1124 1125

The hill at ... 240' / 250'

1124 ...

1125 ...



1129 ...

1130 ...

1131 ...



- 1129 180' ...
- 1130 140' ...
- 1131 85' ...

70 ✓
75 - 50 ✓
60 ✓

~~L133 - 5 - [faint text]~~

~~[faint text]~~

20'

10-30-70

check OK

L133 - 5 - [faint text]

L133 500 yds to 1300 yds in [faint text] from L1
 1200 yds to [faint text] [faint text]
 1120 [faint text] [faint text]
 [faint text] [faint text] [faint text]
 [faint text] [faint text] [faint text]
 [faint text] [faint text] [faint text]
 [faint text] [faint text] [faint text]
 [faint text] [faint text] [faint text]
 [faint text] [faint text] [faint text]
 [faint text] [faint text] [faint text]



[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

- ✓ Temp 27.8 - [faint text]
- Temp 27 - [faint text]
- ✓ Temp 25.9 - [faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

[faint text]

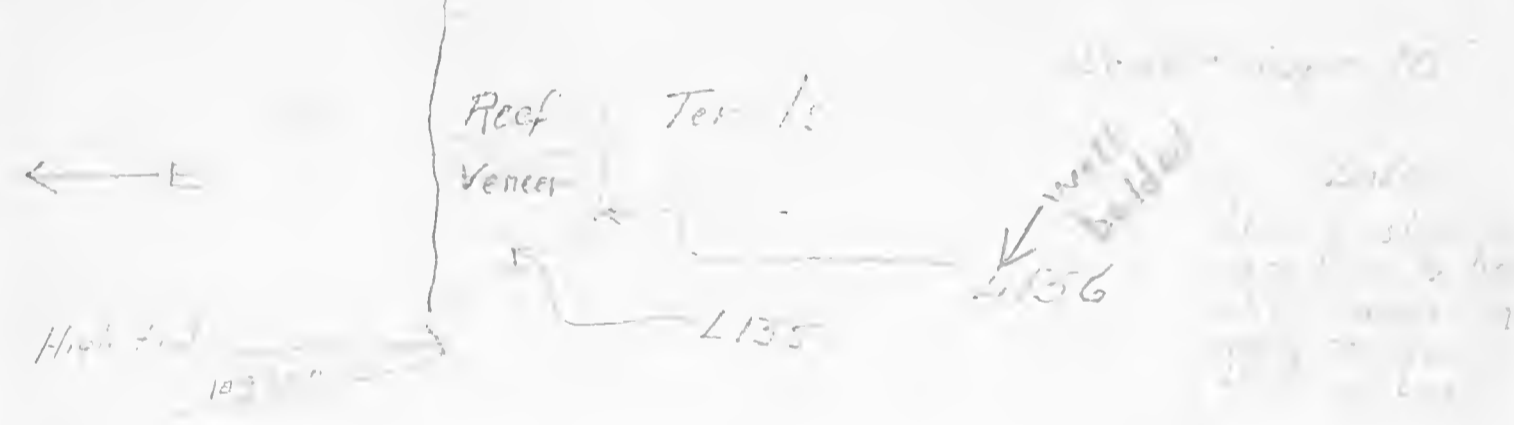
10-20' ...

10-20' ...

10-20' ...

10-20' ...

Profile



Front view



R. II (F53) (F54) ...

R. II (F53) ...

(F56)

Temp 22.5° at 6:30 AM - 1500 ft alt

L137 Top Western Mt 275 (To Kamin) -
The top of the mountain is covered with
a thick layer of snow. The snow is
very soft and deep. The wind is
strong and cold. The sky is blue
with a few clouds.

N.G. L138 - 235' -
L139 - 195' -

L140 - 162'
L141 - 140'
L142 - 110' -
80'
70'
Corrected OK - 55' 80' 40' 90' 55' 45' 50' 38' 45'

Temp 20.0° at 6:30 AM - 1500 ft alt

Wind 11 to 27 mph

Checked 22.53 at 6:30 AM

Temp 20.0° at 6:30 AM - 1500 ft alt

L143 - 40-55'

Summary -

225' but in 100' ... some ... 200' ...

1153

... ..

1154

... ..

Took

... ..

1155

Algae of

(... ..)

1156

... ..



3a

L160

[Faint handwritten notes, possibly describing geological or biological specimens]

L161

[Faint handwritten notes, continuing from the previous page]

L163

[Faint handwritten notes]

Chert

In the ... [faint text]



In some ... [faint text describing the process shown in the diagram]

April 2nd



[Faint handwritten notes, possibly a diary entry]

Traveling ... side ... list ...

L164 0 Layer

2. L164 7 coll.

Inner edge - ...

L165 10 1/2 feet

edge - ... coral at top ...

100 - 2:5

Flat, ... pools up 5" deep ... live coral ...

100 - 2:5

shallow - patches

L166

Wind ... direction ...

756 - 2:10

- Shallow

L167

... patches ...

L168

... patches ...

R.I.N.E. L16-7

100 5:30

... patches ...

... 500 ...
... 570 ...

L171

570-571

... 570 ...
... 571 ...

570-605

... 570-605 ...
... 571 ...

L171

✓

KS (FSB) (FS9)

... 570 ...

L172

... 570 ...

L173

... 570 ...

label destroyed

... 570 ...

L174

... 570 ...

L175

... 570 ...

September 22 1950

... 570 ...
... 571 ...

Lagoon edge... old reef flat... 280-315 Algal pavement... 315-425 Algal terraces and channels... 425-450 Dead coral pavement... 450-500 Sand flat... 500-535 Coral at lagoon edge... 535-575 " " " " " " with patches... 575-605 Marginal zone - mangrove reef.

- 0-280 - Lagoon edge
0-280 - Old Reef flat
a) 0-100 - very shallow; little live coral
100-250 - slightly deeper; more "
250-280 - very shallow; growing with 1-
280-315 - Algal pavement - algae (Littorina)
within crest on hard white ls.
315-425 Algal terraces and channels rare
425-450 Dead coral pavement
450-500 Sand flat
500-535 Coral at lagoon edge
535-575 " " " " " " with patches
575-605 Marginal zone - mangrove reef.

One of striking features is great development of... (faint text describing biological features and their distribution across the reef zones)

Field notes... (faint text describing field observations and measurements)

2176 - Shell water... (faint text describing a specific observation or measurement)

Lagoon edge... (faint text describing the lagoon edge and associated features)

2177 - (faint text)

2178 - (faint text)

2179 - (faint text)

2180 - (faint text)

2181 - (faint text)

2182 - (faint text)

L177

the site was in a small
 valley, with a stream running
 through it. The ground was
 very soft and the water was
 very shallow. The trees were
 very tall and the vegetation
 was very dense.

The ground was very soft and
 the water was very shallow. The
 trees were very tall and the
 vegetation was very dense.

The ground was very soft and
 the water was very shallow. The
 trees were very tall and the
 vegetation was very dense.

The ground was very soft and
 the water was very shallow. The
 trees were very tall and the
 vegetation was very dense.

L178

The ground was very soft and
 the water was very shallow. The
 trees were very tall and the
 vegetation was very dense.

1934
 XIV
 Ladd
 1663
 Low
 Island

1058
 1058 - 1080

L181

Ladd
 Island

L182

The ground was very soft and
 the water was very shallow. The
 trees were very tall and the
 vegetation was very dense.

263

Ladd

XV

1934

Law
Islands

... ..

L130

... ..

... ..

9)

10)

11)

L131

... ..

12)

L132

... ..
... ..
... ..

1)
... .. 1307 ... 30.50
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... .. (10.5 - 6.5)

1-100

13) 12-17
... .. 1700-1800

14) reef.
... ..
... ..
... ..
... ..
... ..

1805+ -
1800+
1815+
1915+

(F60) - Reef Teiteken O. Levu

Note -
... ..
... ..
... ..

Summary Teiteken

Teiteken is a flat bank of hard rock, is fairly covered with debris or living organisms. It contains ~~...~~ is in the ... The deepest hole goes being less than 1.5 ft.
... ..
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Sept 21 - NW - 168'

L175 - 168' - ...

L176 - 155' - ...

L177 - 142' - ...

L178 - 129' - ...

L179 - 119-123' - ...

L180 - 98'103' - ...

54'64' 98'103' - 64'54'

54'64' - ...

54'64' - ...

L181 - 38'58' - ...

52-64' 32-44'

33'±

* collected OK

There is a...

Let the ... of ...

✓ on 27.96 at 5.32

...

* ... 28

1/8 - Ky mi.

L195 - ...

226' / 163' (unclear) / 225' / 170'

100'± / 130±

* ...

2-3 feet for ... 10'6"

198 - 11 miles from ...
at - ...

30' ...
40' ...

198 - 11 miles from ...
at - ...

at ...
...
...

70'
165' ...

✓

157' corrected for EH & for sea level

10-12 ...

at 400 ...

...

195 ... 270'

...

...

...

...

...



199 ... 270'

226-232'

180 level

... of
... ..
... ..

213'

... ..
... ..
... ..
... ..

Diagram showing ...

181-187' 180-185

167-180

... ..
... ..
... ..
... ..

corrected with #4 sea level.

155-161' 150-156'

... ..
... ..
... ..
... ..

135-142' 137-143'

← corrected for H. barom. + for sea level.

Lost

110-116' 111-117'

← corrected for H. bar. + sea level

97-110' 98-105'

... ..
... ..
... ..
... ..
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... ..
... ..

(Answers ...)

... ..

... 30' ...
 ...
 ...

68" = H. level

129' 109'

58' - H. Level

55' H. Level

58' H. Level

32' = H. Level

52' 32'

50" = H. Level

32' 12'

→ 125' →

also 9th reading collected for H. level

... April ...

The ... will ...
 ...
 ...
 ...

The ...
 ...
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 ...

...
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 ...



...
 ...
 ...

... ..

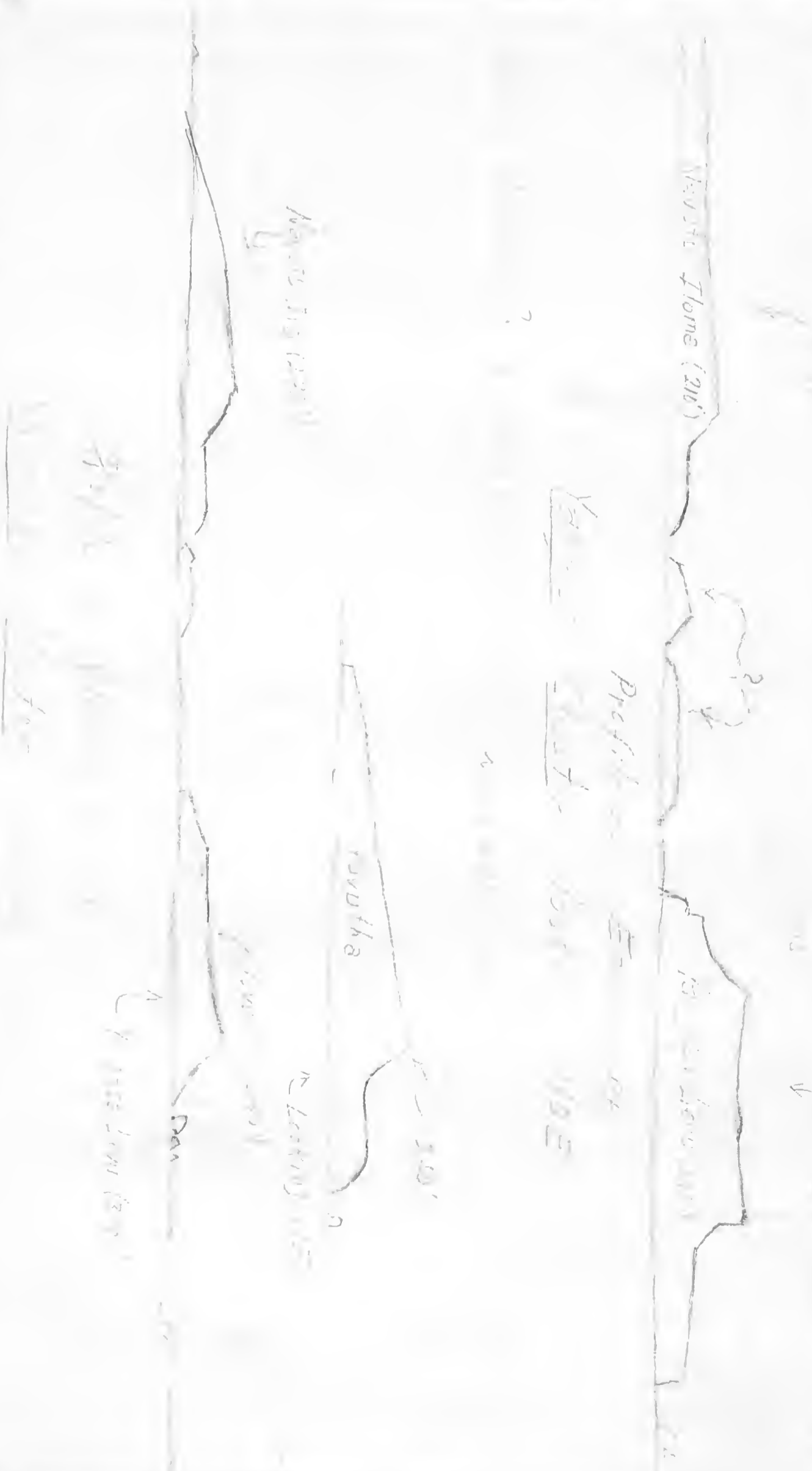
✓

✓

... ..

... ..

... ..



45'



21. 28. 58
 194 164

183 153

185 125

245 265

250 280

200?

Handwritten notes in cursive script, mostly illegible due to fading. Some words like 'Kenny' and 'Kenny' are visible.

1220

Handwritten notes at the bottom of the page, including 'W.' and other illegible text.

...
 ...
 ...
 ...
 ...
 ...
 ...
 ...

...
 ...
 ...
 ...

L221
 Lost

$\frac{194}{164}$ $\frac{232}{(202)}$

...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...
 ...

L222
 Lost

...

L223

L224

...
 ...
 ...

L225

...
 ...
 ...

L226

$\frac{194}{164}$
 $\frac{65}{187}$

144-157.2 = about 145
 174 - 187

...
 ...
 ...

April 10th
 Aridage corrected
 for S. bar and
 lead

...
 ...
 ...

L227

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 ...

... of the ...
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L.227

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L.229

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...
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 ...

L.228

Small 20' bluff of ...
 ...
 ...
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 ...
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 ...
 ...

L.229

...
 ...

Faint handwritten notes at the top of the page, possibly describing geological observations or survey details.

Passing the outcrop... distance... bearing... N45W, 85NE

L231... L232... L233... L234... L235... L236... L237... L238... L239... L240... L241... L242... L243... L244... L245... L246... L247... L248... L249... L250...

L231... L232... L233... L234... L235... L236... L237... L238... L239... L240... L241... L242... L243... L244... L245... L246... L247... L248... L249... L250...

L233... L234... L235... L236... L237... L238... L239... L240... L241... L242... L243... L244... L245... L246... L247... L248... L249... L250...

L233... L234... L235... L236... L237... L238... L239... L240... L241... L242... L243... L244... L245... L246... L247... L248... L249... L250...

L233... L234... L235... L236... L237... L238... L239... L240... L241... L242... L243... L244... L245... L246... L247... L248... L249... L250...

L233... L234... L235... L236... L237... L238... L239... L240... L241... L242... L243... L244... L245... L246... L247... L248... L249... L250...

L233... L234... L235... L236... L237... L238... L239... L240... L241... L242... L243... L244... L245... L246... L247... L248... L249... L250...

L233... L234... L235... L236... L237... L238... L239... L240... L241... L242... L243... L244... L245... L246... L247... L248... L249... L250...

L233... L234... L235... L236... L237... L238... L239... L240... L241... L242... L243... L244... L245... L246... L247... L248... L249... L250...

Vertical handwritten notes on the right margin of the top page.

Faint handwritten notes, possibly describing geological or surveying details.

Handwritten text, possibly a section title or description.



XI
(F23)

Handwritten notes corresponding to section XI (F23).

Main body of handwritten notes on the lower page, detailing observations or data.

(F24)
view of
ref

Handwritten notes and calculations, including the numbers 440 and 445.

(F25)
A+B

Final handwritten notes and calculations at the bottom of the page.

F25 A-B



Change notes for profile...
 summit...
 saddle...
 319' 323'
 330' 335'
 127 the top of the mountain...
 128...
 129...
 130...
 131...
 132...
 133...
 134...
 135...
 136...
 137...
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 188...
 189...
 190...
 191...
 192...
 193...
 194...
 195...
 196...
 197...
 198...
 199...
 200...

445 ± 440 ±

1276

323' 320'

Apr 15 readings corrected for H. bar level.

1277

1278

1	34 E	111	6
2	34 E	106	6
3	34 E	106	146

11	34 E	169	147
		167	

137	142
132	

106	146
-----	-----

7 93' / 103'
 8 67' / 77'
 9 93' / 103'
 10 93' / 103'

11 106' / 116'

12 113' / 123'

13 80' / 96'

14 93' / 103'

15 80' / 96'

16 61' / 71'

17 67' / 77'

18 56' / 66'

19 37' / 47'

20 24' / 34'

21 37' / 47'

22 37' / 47'

23 37' / 47'

24 37' / 47'

25 11' / 21'

26 3' / 13'

27 45' / 55'

28 3' / 13'

10-15
12-15
13-15

17' 32' /
18' 32' /
19' 32' /
20' 32' /
21' 32' /
22' 32' /
23' 32' /
24' 32' /
25' 32' /
26' 32' /
27' 32' /
28' 32' /
29' 32' /
30' 32' /

32 8 30 45
33 1 50 65

34 4/2 52 32 62 77
1257/15 1/6 69 84

36 8 82 79 97

37 9 95
38 21 5 116
31 72 0 174
100

40 73 112
112

41 4 138
42 7 168
1257/43 7 168

44 8 20 138
45 80 00

46 4 135
47 7 164
48 8 194

49 7 181
1257/49 7 151

50 6 138
51 6 168

52 8 194
53 8 164

54 10 50 215 245

55 11 86 116

56 12 28 58

57 13 12 22 52

58 13 34 5 0 34 30

Apr 16
corrected with
H. barometer
+ for sea level

2 2 7 25W 2

very fine - ...

L263 3 3 1/2

...

4 3 1/2

...

5 7 1/2 3 1/2

...

6 7 1/2 3 5W

...

7 7 1/2

...

8 2 1/2

...

9 2 1/2

...

... the ...

... the ...

(F27)
(F28)
L264

... the ...

... the ...

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(F29) ...
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(F30) ...
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(F31) ...

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✓ ...
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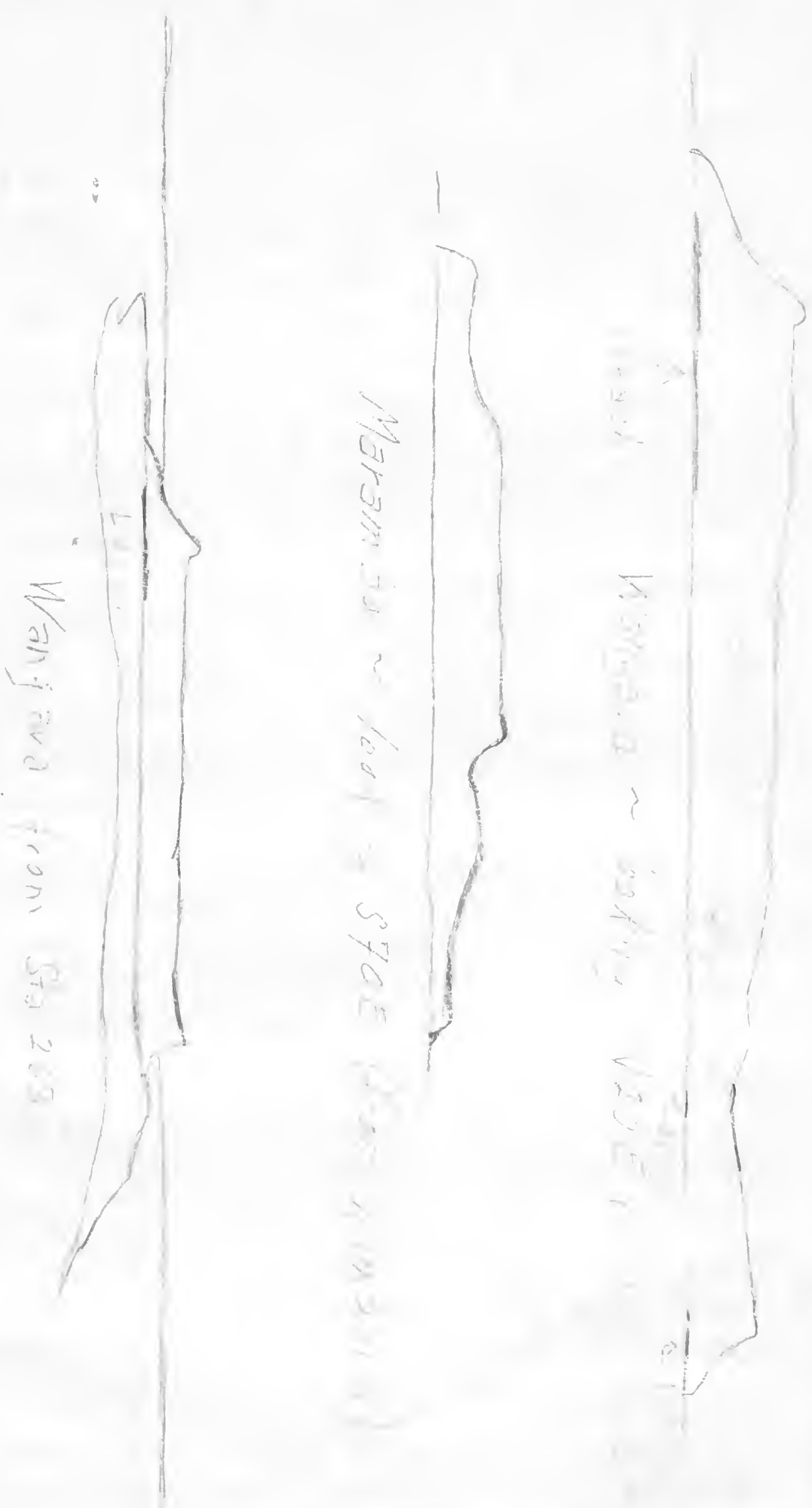
2767 ~~191~~ ¹⁷⁴ - ~~174~~ ¹⁷⁹
 2770 ~~181~~ ¹⁶⁵ ~~161~~ ¹⁴⁵
 2771 ~~166~~ ¹⁵² ~~132~~ ¹¹⁹
 2772 ~~154~~ ¹⁴⁸ ~~119~~ ⁹⁶

L2763

Clank of long front...
 200'

- level fossils...
 everywhere

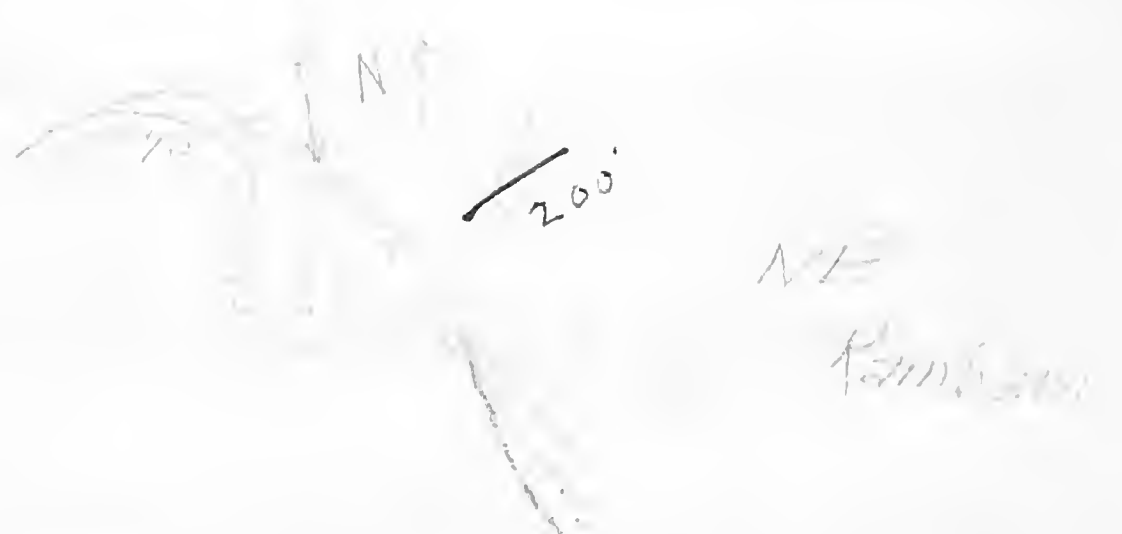
- L2767 ~~191~~ ¹⁷⁴ ~~174~~ ¹⁷⁹ - ...
- L2770 ~~181~~ ¹⁶⁵ ~~161~~ ¹⁴⁵ - ...
- L2771 ~~166~~ ¹⁵² ~~132~~ ¹¹⁹ - ...
- L2772 ~~154~~ ¹⁴⁸ ~~119~~ ⁹⁶ - ...
- L2773 ~~139~~ ¹³³ ~~119~~ ⁹⁶ - ...
- L2774 ~~116~~ ¹¹⁰ ~~96~~ ⁷³ - ...



1000' ... 9777

7150 ... 39'19"

corrected for ... for sea level



... 25' ...

... 33:32 ...

51.8 ... 145' ... 155'

- L273 2 410 116' 106'
- L274 3 350 " 80-87 90-97 77'
- 4 1000 " 74' 84'
- 5 700 " 67' 77'
- 6 4500 " 61'
- 7 1200 " 61'
- 8 1000 " 61'
- L281 1 1400 N 45' 35'
- 2 2200 N 45'
- 3 1600 E 68' 55'
- 4 1400 N 45'
- 5 1300 N 45'
- 6 1100 N 45'
- 7 1000 N 45'
- 8 900 N 45'
- 9 800 N 45'
- 10 700 N 45'
- 11 600 N 45'
- 12 500 N 45'
- 13 400 N 45'
- 14 300 N 45'
- 15 200 N 45'
- 16 100 N 45'

83 17 22.00 N 50'

39' / 29'

80

18

19

45' / 35'

20

21

42' / 52'

84 23

24

25

67' / 77'

285 27

26

27

90' / 80'

28

29

101' / 116'

286 30

30

123' / 108'

31

32

33

128' / 114'

34

35

148' / 133'

[287

168' / 153' 148'

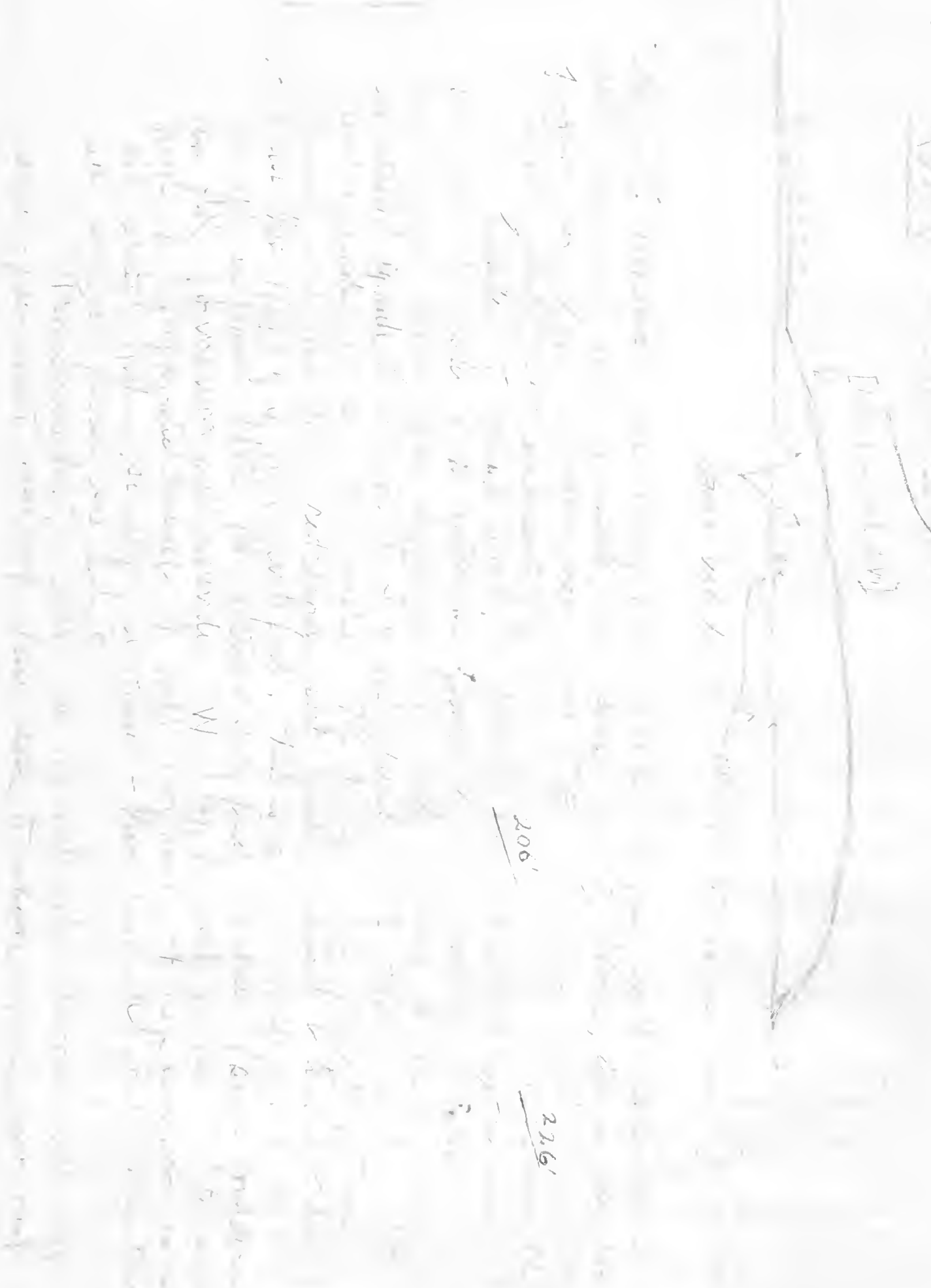
... ..
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... ..
... ..
... ..

Apr 20th corrected
with alt. barometer
+ for sea level. 30 4700

32

24' / 39'

KOME



81

174
150

... ..
... ..
... ..

✓ (10000)
... ..
... ..

L21 -
... ..

✓
... ..
... ..

L211

L212

L213

L214

L215

L216

L217

L218

L219

L220

L221

L222

L223

L224

L225

L226

L227

L228

L229

L230

The house is mostly cement
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..

L29

... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..

L30

... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
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... ..

L301

... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..



... ..
... ..
... ..
... ..

L302

... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..

✓ - about 20'
52' 90'

L 306
L 307 3' above base }
L 308 307 }
... ..

... ..
... ..
... ..

Wed. April 25th
... ..
Thurs. April 26th
... ..

Fri April 27th
THIRD BIA - 1 - 296

The
... ..
... ..
... ..
... ..
... ..

T 70 -
b -
c -
... ..

- T 72
... ..
... ..
... ..

- T 74
... ..
... ..
... ..
... ..

- T 75
... ..
... ..
... ..

15

- ~~151~~ - $2 \frac{1}{2} H$
- ~~152~~ - $3 \frac{1}{2} H$

153 - 320 ft. - 15' below top of ...
 The ... is ... 15' below top of ...
 ... is ...
 ... is ...
 ... is ...
 ... is ...
 ... is ...
 ... is ...
 ... is ...
 ... is ...

154 - 320 ft. - 15' below top of ...

155 - 330 - 50 - 10 - 15' below top of ...
 ... is ...
 ... is ...
 ... is ...
 ... is ...

156 - 445-452 - 15' below top of ...

T9 - $475^{(H)}$ - 15' below top of ...
 ... is ...
 ... is ...
 ... is ...
 ... is ...

no below

490' (H)

... is ...
 ... is ...
 ... is ...

390' (H)

... is ...
 ... is ...
 ... is ...

... is ...
 ... is ...
 ... is ...

... is ...
 ... is ...
 ... is ...

... is ...
 ... is ...
 ... is ...

... is ...
 ... is ...
 ... is ...

T11 - 323 (325' to 10' - 15' below top of ...)

MISSISSIPPI
 15' ...
 ...
 ...

T13 - 2/5 = 33 ...
 ...
 ...



...
 ...
 ...
 ...

Jan 27th
 ...
 ...

7/1 ...
 ...
 ...
 ...



...
 ...
 ...

-15 ...
 ...
 ...

...
 ...
 ...

-14 ...
 ...
 ...

Day... actually... hill... south

310... hill... 310... 310... 310...

310... 310... 310... 310...

T22
T24-J?

310... 310... 310... 310...

T22... T23... ~~NSE~~, 40SE
N3E

51709

JOB No.

REFER TO

TO DUPLICATE THIS ORDER



