

MORENA LAND LINES.

38
397

TRANSIT

W12

P

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.00	100.00	0.87	99.99	1.31	89
1	99.98	0.02	99.99	0.01	99.97	0.62	99.95	0.85	88
2	99.94	0.06	99.92	0.08	99.91	0.36	99.88	0.60	87
3	99.86	0.14	99.84	0.16	99.81	0.10	99.79	0.35	86
4	99.76	0.24	99.73	0.27	99.69	0.35	99.66	0.60	85
5	99.62	0.38	99.58	0.42	99.54	0.60	99.50	0.85	84
6	99.45	0.55	99.41	0.60	99.36	0.85	99.31	1.10	83
7	99.25	0.75	99.20	0.80	99.14	1.10	99.09	1.35	82
8	99.03	0.97	98.97	1.00	98.90	1.35	98.84	1.60	81
9	98.77	1.21	98.70	1.25	98.63	1.60	98.56	1.85	80
10	98.48	1.46	98.40	1.50	98.33	1.85	98.25	2.10	79
11	98.16	1.72	98.08	1.75	97.99	1.94	97.90	2.35	78
12	97.81	2.00	97.72	2.00	97.63	2.14	97.53	2.55	77
13	97.44	2.29	97.34	2.25	97.24	2.34	97.13	2.75	76
14	97.03	2.60	96.92	2.50	96.81	2.54	96.70	3.15	75
15	96.59	2.92	96.48	2.80	96.36	2.72	96.25	3.55	74
16	96.13	3.26	96.00	3.00	95.88	2.80	95.76	3.95	73
17	95.63	3.61	95.50	3.25	95.37	3.00	95.24	4.35	72
18	95.11	3.98	94.97	3.50	94.83	3.17	94.69	4.75	71
19	94.55	4.36	94.41	3.75	94.26	3.33	94.12	5.15	70
20	93.97	4.75	93.82	4.00	93.67	3.50	93.51	5.55	69
21	93.36	5.15	93.20	4.25	93.04	3.65	92.88	5.95	68
22	92.72	5.56	92.55	4.50	92.39	3.80	92.23	6.35	67
23	92.05	5.98	91.88	4.75	91.71	3.95	91.53	6.75	66
24	91.35	6.41	91.18	5.00	91.00	4.10	90.81	7.15	65
25	90.63	6.85	90.45	5.25	90.26	4.25	90.07	7.55	64
26	89.88	7.30	89.69	5.50	89.49	4.40	89.30	7.95	63
27	89.10	7.76	88.90	5.75	88.70	4.55	88.50	8.35	62
28	88.29	8.23	88.09	6.00	87.88	4.70	87.67	8.75	61
29	87.46	8.71	87.25	6.25	87.04	4.85	86.82	9.15	60
30	86.60	9.20	86.38	6.50	86.16	5.00	85.94	9.55	59
31	85.72	9.70	85.49	6.75	85.26	5.15	85.04	9.95	58
32	84.80	10.21	84.57	7.00	84.34	5.30	84.10	10.35	57
33	83.87	10.73	83.63	7.25	83.39	5.45	83.15	10.75	56
34	82.90	11.26	82.66	7.50	82.41	5.60	82.16	11.15	55
35	81.92	11.80	81.66	7.75	81.41	5.75	81.16	11.55	54
36	80.90	12.35	80.64	8.00	80.39	5.90	80.13	11.95	53
37	79.86	12.91	79.60	8.25	79.34	6.05	79.07	12.35	52
38	78.80	13.48	78.53	8.50	78.26	6.20	77.99	12.75	51
39	77.71	14.06	77.44	8.75	77.16	6.35	76.88	13.15	50
40	76.60	14.65	76.32	9.00	76.04	6.50	75.76	13.55	49
41	75.47	15.25	75.18	9.25	74.90	6.65	74.61	13.95	48
42	74.31	15.86	74.02	9.50	73.73	6.80	73.43	14.35	47
43	73.14	16.48	72.84	9.75	72.54	6.95	72.24	14.75	46
44	71.93	17.11	71.63	10.00	71.33	7.10	71.02	15.15	45
45	70.71		70.71						

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Maria Lucia Pines

*found at
Barrett Dam*

FROM
LORING COMPANY,
MANUFACTURING STATIONERS
BOOKSELLERS and OFFICE
FURNISHERS
762 Fifth St., and 1327 F. St.,
SAN DIEGO, CAL.

Index.

Morena Land Lines 1906 1-24

Traverse of 49 Level
Morena Res. 2-15-12 26-

Degrees.

0
1
2
3
4
5
6
7
8
9
10

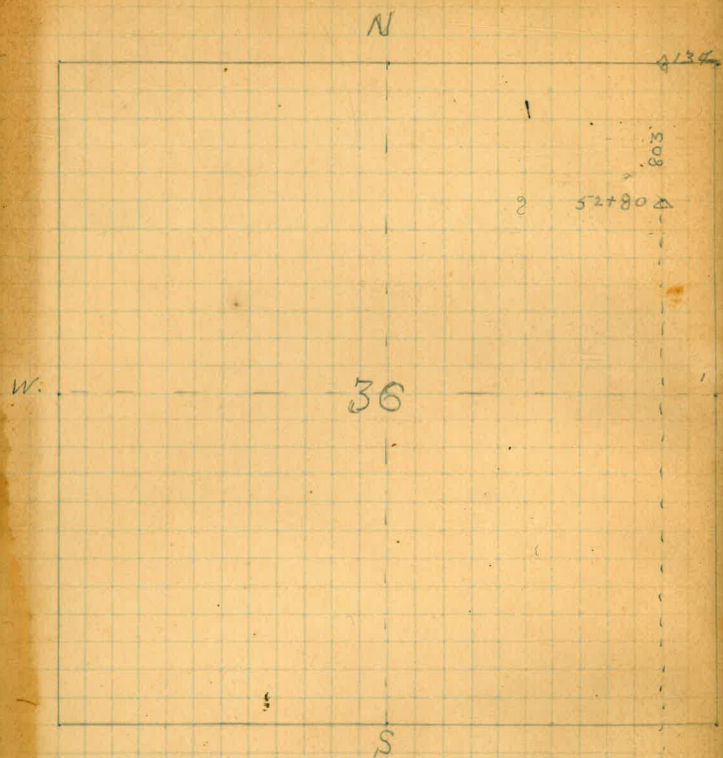
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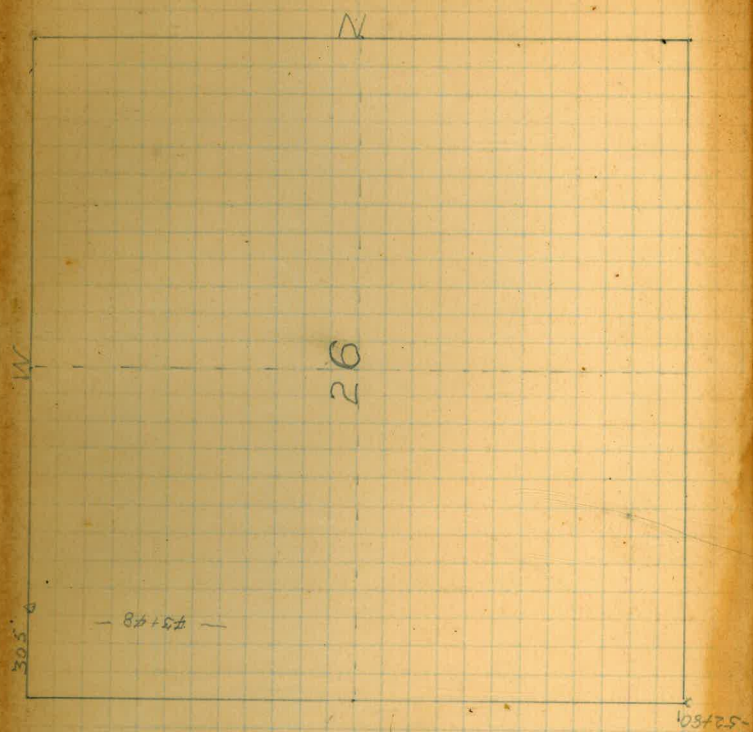
31
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41
42
43
44
45

Degrees.



Stk as
 found $\triangle 138^\circ \triangle$
 Pt as
 located by
 Highby.



10/21/56

26799
21709
7731
67910

5.10	1.57	7731
02.0	0.90	5774
00.0	2.30	4784
00.0	1.56	2757
10° 00	1.01	0798

N. 1° 00 E

10° 00 13.68 53.79

7.60 70152

19.96 32792

6° 30 6.39 13746

1.79 7720

5745

16.10 31.86

1.20 15.76

14.56 1956

3.90 26740

0.10 3.83 23.00

0.00 5.60 19717

0.0 2.90 13757

West.

7° 20' 10.85 10767

26790 put in stk.

+90

13.27 set in stk 99' East on line

Put in stk at 26740

6.26

set stk. 546' East on line

19/56

No corner

No corner

stake as moved

by

4. Δ

at

Δ

A located by Brudlow

32+66		10'30"	16.24	15.90
16+76		9'30"	13.00	12.65
Δ 56+91		11'30"	7.10	6.82
Δ 50+09				30+64
26+24		9'30"	6.98	6.79
Δ 19+45		9'35"	8.66	8.42
11+03		9'40"	7.33	7.20
6+83	E	13'00"	7.20	6.83
0 = st. m. l. m.	E			
43+48				

		9		
45+77		17'40"	21.24	19.91
26+06		1.00	4.35	
27+71		0.10	4.87	
Δ 16+84		14'10"	14.52	13.65
Δ 3+19	N1°00'E	9'00"	3.27	3.14
Δ 52+80		00'00"	1.37	
51+93	N1°10'E	00'00"	1.57	
29+86	N.1°E.	15'	24.52	
26+44				

marked 26+40
on ridge descent
approx.

305° W.
Δ 45+47
43.48

Δ 41 Δ effect 41° E to line 1931.6
Δ 41 Δ effect 41° W.

22.97

10/5/36

3

60783	10:30	8.30	8.03
Δ 52780 W.			
Δ 72700	14:30	23.54	22.06
Δ 51762	0.00	1.68	
Δ 77799	6:10	1.50	1.98
Δ 78726	9:30	19.56	19.04
Δ 92739	16:40	12.12	12.97
Δ 29792	15:40	10.22	998.5
Δ 19749	10:30	0.90	.87
Δ 18757	6:20	0.93	.92
Δ 17765	0.00	1.18	
Δ 16746.6	0.00	1.65	
Δ 12770.6	0.00	7.82	
Δ 6788.6	0.00	1.78	
Δ 5710.6	7:00	1.95	1.82
Δ 3728.6 N.	7:30	7.36	328.6

137' N.E. COR. 36
 Δ 60783 from Bredlow cor.

Look for corner 2294'
 from ft of hill
 in bottom by track 300' from ft of hill
 30796 feet of hill
 1990' top of hill 200' hi

Exp. dist. d.

on Tim show line
 138' E of Bredlow cor. as found.

Oct 4/06

19+32		3.00	
16+32		6.75	
9+57	6°30'	2.80	2.76
6+81	6°30'	2.14	2.11
7+70	0.00	7.70	
52+80=0	0.00	7.70	
Δ 52+80	W.		
Δ 53+17		1/2	
Δ 36+61		16.56	
Δ 26+38	10°00'	10.55	10.23
Δ 24+25	16°00'	2.30	2.13
Δ 23+29	6°40'	0.97	96
Δ 20+94	0.00	2.35	
Δ 15+54	0.00	19.40	
Δ 1454=57+39			
Δ 72+67	7°00'	11.85	11.67
Δ 38+01	5°20'	7.70	7.66
Δ 31+78	5°30'	6.30	6.28
Δ 24+78	0.00	7.00	
Δ 18+78	5°20'	6.06	6.00
Δ 17+36	19°30'	1.37	1.22
Δ 6+63	15°20'	11.66	10.93
Δ N.E. COR. 36	20°30'	7.56	6.63

Cottonwoods

on ridge
 of 39' S.
 of 39' N.
 N.E. cor 24 approx
 Put stk 152+80
 37 feet of hill

24 1/2
 Δ 9° Post. 2' x 4'

79+54 command to desc.
 N. bank
 36+96 feet N. bank
 20+36 feet S bank

Put stk at 26+70

Descend.

21+50 top of ridge

21+50 top of ridge.

Oct 6. - 06

No cor to be found, ^{new} meas. carried from 52+80

Put small flag at 26+70

Oct 9/06

5-

6+67				
3+04		0.00	3.64	
0=17+70.6	S	0.00	3.04	
Δ 26.57				
18+87		6.30	7.80	7.70
NECOR 36.		6.30	19.12	18.87

Δ 26+70		0.00	8.15	7.70
Δ 18+55		5.00	12.12	12.02
Δ 6+53		0.00	7.20	
Δ 2+33.	North	5.40	2.35	2.33
Δ 0=5+81		16.00	2.63	2.94
3+37	West	9.00	3.70	3.61

10

E body S.E. 1/4 36.

(19.80 to ridge)

130'

on N. side of saddle by Vander.

W 581.449' E.

28' W. of cor as made Δ see page.

27' E of creek N DRY = CREEK S.

10/12/06

6

assumed
From Cor. of Secs 22 + 23 26 + 27
Not on random line. Var $13^{\circ}57'6''$.

	23.67	$4^{\circ}57'$	2345.22
23 + 45	4.13	$3^{\circ}40'$	412.13
27 + 37	15.18	$5^{\circ}23'$	150234
42 + 61	6.30	$1^{\circ}10'$	620.
48 + 91	4.67	$0^{\circ}0'$	467.
53 + 58			

assumed
From 1/4 sec. Cor. of Secs 27 + 28
a triangular granite stone in
earth mound.

Hence North. Var. $13^{\circ}57'6''$.

2.55	$4^{\circ}25'$	253.5	994
4.57	$2^{\circ}45'$	456.1	999
7.10	$3^{\circ}15'$	707.2	996
6.10	$12^{\circ}30'$	581.3	953
1.60	$15^{\circ}00'$	1490	922
0.78	$21^{\circ}15'$	68.7	869
1.05	$23^{\circ}30'$	88.0	861
4.04	$25^{\circ}20'$	300.1	

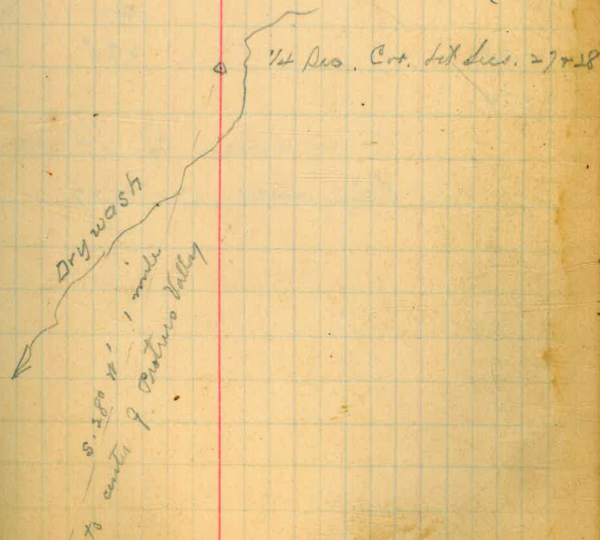
26 + 31

4.67

at 2620
No evidence of 1/4 sec. Cor.

53 + 58 = Rod 11° vert. ang. $13^{\circ}18'$
← 1042 + 20 North →

Cottonwood Creek



Chard manganese stone in earth mound 2.7 ft.
Not on line. (not reliable)

10/13/06

7

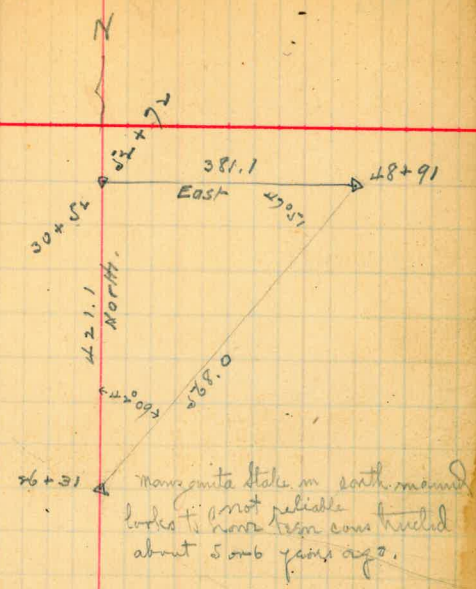
26+31 $N 2^{\circ} 09' E$ $N 2^{\circ} 09' E$ 6.20 $16^{\circ} 50'$ 568.

From a point 26+47 West of
Cot. of Secs. 22, 23, 26+27
Thence South.

1+34
5+74

164' $25^{\circ} 30'$ 134.
275 21° 240

No evidence of $\frac{1}{4}$ sec. cot
til. Secs. 22+27



0 $\frac{1}{4}$ sec. Cot til. Secs. 27+28

10/13/56

8

16

16+16

15+20

11+51

9+57

6+78

North.

3.00	7°	296.
1.70	5°	169.
1.94		194
3.13	19°20'	279
8.00	20°	678.

From presumed crest of Sino.

0. 24 23 26+29 thru North. Var. 13578.

North. 600' to Cottonwood Creek

Safety Ridge

10/15/06.

9

79+25

77+23 A

4°40' 1.93 191.7

7°30' 7.58 245.1

64+38 A

12°19' 5.76 529.7

14°20' 5.57 522.80

16°45' 2.73 250.30

25° 5.80 496.40

57+88 A

at this point searched for the Sec. Cor
of Secs. 21 + 22. A man coming
a radius of 1000 ft. not found

North

36+27 A

11° 16.20 1561

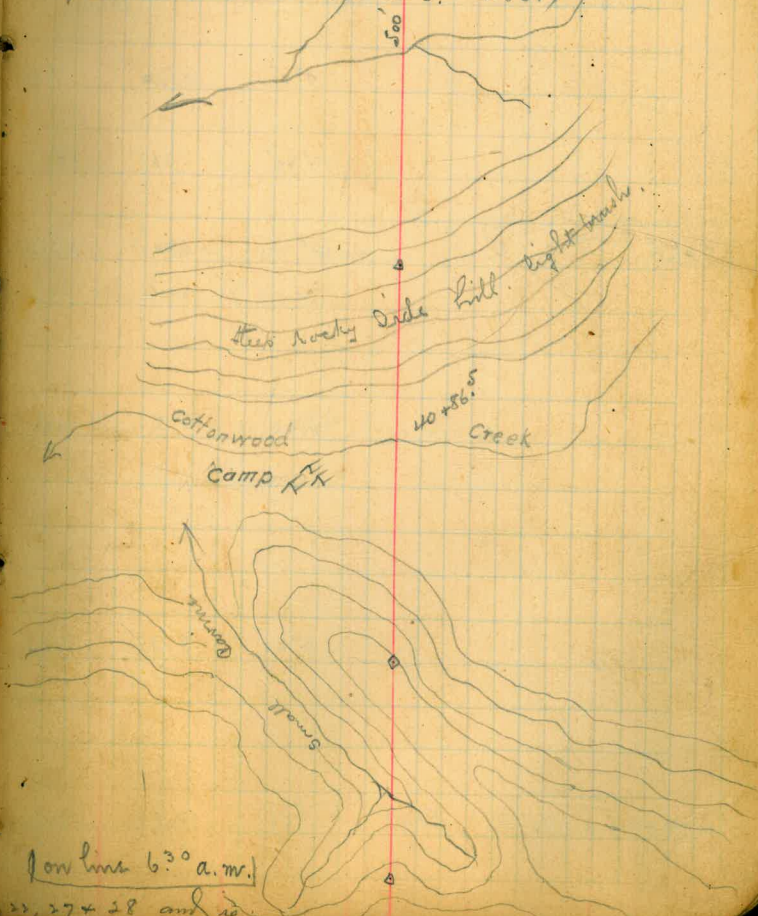
18° 5.08 459.5

26+31 A

15°15' 1070 996.0
North 2631' of the Sec. Cor. of Secs. 27 + 28.
This point is presumed to be about Sec. Cor. of Secs. 27 + 28 and so

18

15 16 21 and 22, found nothing.
at 79+25 spend 4 hours looking for Cor. of Secs.
at 77+23 a small mound of rocks evidently placed
for a cor. bears N. 88° 52' E. 280.7



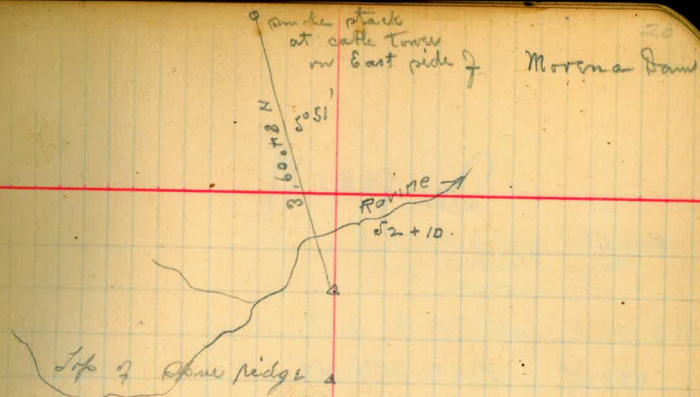
low hrs 6:30 a.m.

10/15/56
16/56

10

54+16				
41+29	▲	16°	13.94	1287.34
	▲	9°40'	4.96	1282.1
	▲	0°0'	0.64	640
		12°30'	1.96	186.7
28+60	▲	14°	5.70	536.4
	▲	2°30'	10.31	1028.9
	▲	3°30'	8.34	830.6
0 = 79+25	▲	90° R East	1.30	10.02 1000.

282.19



3 hours looking for 1/2 mo. $\begin{matrix} 80.0 \\ 170.8 \\ 59.5^{\circ} E \end{matrix}$ Rock mound of recent construction (4 or 5 years ago.)
Cot. ht. 15. + 22.

on line 7:30 a.m. 55^m from Camp.

11
See page 19

83+01.3

69+18?

8°26' R

N70°35'E

3°25'

12.88

1382.45

N461.4

E1309.

62+56⁶

27°51' L

N62°09'E

15°50'

7.16

662.3

N332.5

E. 633.1

EAST

55+68?

6°40'

7.18

687.9

54+76⁴

11°20'

0.96

92.3

54+16

16°50'

0.66

60.4

22

East end of rock hill near
from Schick's mast.
Morona Dam

a Sandie stack at Coll. Low. E. side of Dam

N70°35'E
1209'

800'

COPPERWOOD CR.
Runs
almost due S.
for 2000'

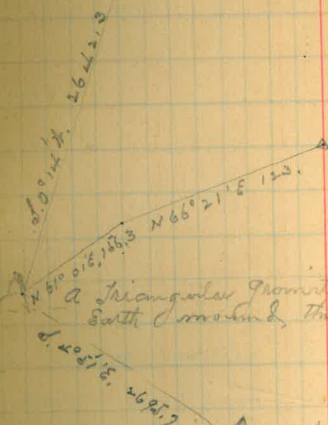
10/18/06

12

		0° 0'	4.04	404.
		2°	3.33	333.3
51+48	(5° 20' L N 61° 01' E	3° 30'	1.57	123
	113° 39' L N 66° 21' E	7° 15'	1.25	
43+05		3°	11.48	1148.4
35+38		1°	17.74	1770.
		(3° 10')	1.02	1016
7+38		1° 0'	16.00	1599
0		0° 0'	9.38	

South

Cont. of Sec 33+34
on S. boundary of T. 17 S., R. 4 E.
S. 13. W.



(all of these corners
are positively identified
and verified by the
topography.)

A triangular granite stone well defined
South corner of the 1/4 Sec. Cont. of Sec. 33+34
S. 13. W. 2621.7

granite stone on Sec. 21, 26+36
south corner, 3 notches
on N.W. edge, 3 notches
on S.E. edge 21' left of line } the cont. to Sec. 27, 28, 33+34

2621.7

2621.7

Beginning at the 1/4 Sec. cont. to Sec. 27+28

10/18/26

13

27+14	Δ				9.16	
	Δ				3.34	
0 = 80+50	Δ	129°32' E	West.		14.64	
78+54	Δ	0°40'	S. 39°32' E	1°	1.96	196.
76+73	Δ	38°52' L	S. 38°52' E	6°	1.83	181.2
						377
		0°30'			9.00	900.
		2°10'			308	307.4
		1°			2.82	281.2

down

In Peters's valley at N and S. line of fence
near creek, no evidence of any crosses

(to some extent)
The original rock has disintegrated
Cor. of Loco, 34+33+32 Δ A granite rock in
earth mound
will define Cor.

10
20/66

14

45+264

40+70³

39+19⁹

35+94⁸

32+35⁸

27+20

14+14

7

0

Head

3°40'

4.58

4561

7°30'

1.53

1504

3°

3.26

3281

2°

2.60

3894

2°

5.16

5183

28

Leave Valley

Valley

T. 175.3

R. S. E., S. B. M.

5
Triassic Granitic Peak
30" Long 12" diam at base



32

33

T. 165.3

R. S. E.

10/20/06

15

105+60 ⁴ Δ	90° L South			
104+75 ⁴			0.85	
89+68 ⁸ Δ		2°	15.14	1506 ⁸
76+95 ³		7°30'	13.16	1272 ³
71+78 ¹		4°10'	5.20	517 ¹
68+69 Δ		5°30'	3.12	309 ¹
58+86 ⁷ Δ		17°30'	10.80	982 ⁷
52+80				
50+84 ⁴ Δ		13°	8.45	802 ⁴
48+14				
45+26 ⁴ Δ		0°	5.58	

1/2 day looking for Sp. bot. of Sp. 17 Δ
 Pt. 4+5 E. found nothing except
 a small rock mound.

Δ Sp. of Ridge

Look for bot. of Sec. 5+6, Sp. 17 Δ S. E.
 20 pagers

Look for bot. of Sec. 31+32
 Sp. 16 S., Pt. S. E. S. B. W.
 No signs

10/22/06.

16

61+42³ Δ

57+67¹

15°30'

4.04

375¹

50+717

19°20'

7.81

698⁴

43+89⁴

18°30'

7.92

712⁴

42+49⁴

0°

1.10

26+40

23+60

0°

19.04

1889⁴

9+01

6°30'

14.78

1489.

South.

105+60⁴=0

901.

52+80 Look for Cot. 1, 6, 7+12

43+00 Top of ridge

Small rock mound 50' E. of limit

10/23/06

17

119+70

105+20 A

12.50

104+92

99+53 A

5.67

92+99 A

6.52

Doubt.

83+59 A

9.60

79+56 A

00'

2.83

78+62

00'

3.63

75+93 A

(00'

2.69)

61+22

2'40'

12.60

12.30

No evidence of any cut.

104+92

No. 148

4 x 4 painted white
in rock around
timber 12.13.75.

Falling

✓ 1/4 Sec. cut. at Sec. 7+12

a conical blue granite
stone 18" out of ground
west of 1/4 Sec. of house.
102.5
in ground a rock.
Stone chiseled 1/4.

This has every evidence
of being a very old cut,
a line out, 30" dia. with
old logs entirely grown
over. Base of 2430 8. 30.
cut to logs, no scribbing

10/23/06.

18

158+96.4 + 1.5

158+97.2 - 1.5

150+00

147+94
1103.9

South.

230'

11.06

1103.9

132+14
1103.9

15.80

119+70
1103.9

12.24

36

158+96.4 Δ $\frac{1}{133}$ \square 4"x4" red wood
post divided 18, 19, 20, 21

Leave Valley \uparrow

Collinswood Creek \nearrow

20' distance 1/2 Sec. Cor.

131+05

Valley Δ

6"x2" Oregon pine stake

3.6 feet of line.

10/24/06.

19

166+26.7	Δ 24°52' R	N 65°22' E.	2°	14.04	1402.3
147+65.8	Δ 49°10' L	N 40°50' E.	7°	18.89	1860.9
132+77			8°30'	15.22	1488.8
124+50.1	East		0°0'	8.27	827
* 105+39	Δ		5°50'	19.31	1911.1
	90° L	North	3°20'	2.88	287.6
	52°02' L	East	0°0'	12.90	12.90
	10°10' R	S 38°56' E	0°0'	9.05	905
	29°45' R	S 46°06' E.	3°20'	1.72	171.4
	23°25' L	S 75°51' E	5°50'	1.42	142.1
83+01.3	Δ 56°56' R	S 82°29' E.	32°	2.50	323.6
		N 70°36' E.			

38

No evidence of 1/4 Cor.

* This pt. is on line to Sec 14
at 10539. From 79+25 see page 9.
+ 21' West of Cor to Sec 12, 14, 20 - East.

at this point S. 287.6 and East. 924.8 from a
point which is N. 79+5. from 1/4 Sec. Cor
at Sec. 27 + 28.

see page 11

10/24/56.

20

8+97 ϕ to pt on G.B. Harris' North + South line from supposed L.G. bot of Lsp.

166+267 = 0
see page 19

65° 5' L L

N 28° 4' W

8°

8.97

897.

N 40° 50' E

From L.S. on 166+267. Same as L.S. R. to

G.B. Harris' line making course

S. 0° 19' E.

185+92
= 158+97.9
see page 18.

41° 08' L

N 0° 4' E

L.S. to pt on Lsp. line

180+29

40° 30' L

N 61° 2' E

8.62

10/28/06.

21

8	A 97°24' L	South	15°30'	7.02	681.9
7	14° L	N 82°36' W	2°10'	3.18	317.5
6	10°12' L	N 68°36' W	2°30'	2.76	275.5
5	1°29' L	N 58°24' W	5°50'	7.67	759.1
4	12°12' L	N 56°55' W	5°50'	4.57	452.2
3	23°24' L	N 69°07' W	2°20'	4.71	470.2
2	34°39' L	N 45°43' W	6°	1.27	135.5
1	12°58' L	N 11°06' W	6°20'	11.10	1096.5
0	66°23' L	N 3°52' E	12°50'	8.23	782.4

at S. end of Morona dam

Lat. = 16686.1 N. E. Dep. = 7960.6 from S. 1347.
 of Turp. at Cor. of Linc. 33434

B. S. along course N 70°25' E.

10/25/06.

22

28+79.4 Δ

13° 10.92 1042.4

4° 40' 0.79 78.5

7° 30' 11.60 1140.3

3° 20' 4.07 405.6

$\frac{4521.7}{87.9}$
 44+33.8=0 Δ 90° R East.

2° 20' 2.13 212.6

2879.4

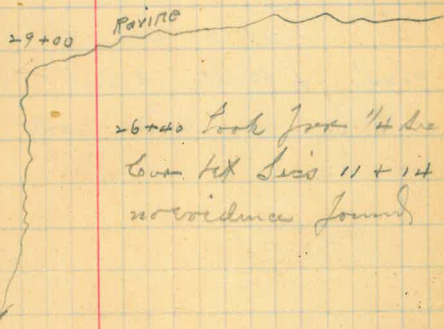
20+20.5 4° 25.14 2501.7

10+28' 8° 10.0 992.4

0 = 5 Δ 86° 55' North 5° 20' 10.37 1028.1

B.d. at Δ N 86° 55' W.

2020.5



26+00 Look for 14 sec.
 Look for Secs 11 + 14
 no evidence found

St. for Cor. of Secs. 14, 15, 10 + 11 falls 68' East.

St 17+90 Look for 14 sec. Cor. 14 sec 14 415

N. 1792, and 6.68, for Cor. of 14 sec 14 18
 Lat. S. 149924. Dep. N. 10628. True
 St. for 14 sec Cor of Secs 17 S., R. 4 E.

10/26/06.

23

	42° R	N. 84° 20' W.	0° 0'	.115	
9+44!	Δ 53° 20' R	S. 53° 20' W	16° 20'	2.73	
				2.07	307.0
			5°	1.65	163.7
			142°	1.33	125.2
Ha. 5=0 amp. 21.	South.	20° 20'	3.96		548.2
51+14.6					
31+99.4		5° 40'	19.34		1715.2
				2.02	
28+79.4				1.16	
				2.20	

To very old mound of rock on bare knoll.
Top of ridge

8+48 look for N. N.
bot of Sec. 23.

60. bot of Secs. 13, 14, 11 + 12.

10/27/06

24

South.

35+00' = 5356.9 from top line East Bdy

2°30' 25.70 2825.1

2° 2.38 287.7

3.20 2.96 296.0
2079.1

1+07 A 90° L Not. 2°20' 4.23 421.3

18° 0.71 64.3

0 A 23° L B. North. 10° 0.40 388

B.L. along course N 23° E 1032.0

48

Look for 1/4 Sec. Cor. at Sec. 23 + 24
- having trees.at 5309 ft. look for Cor. of Pias. 13, 14, 23 + 24
no evidence

8+30.4 26' S. of Line

look for 1/4 Sec. Cor. at Sec. 13 + 24

Pl. at End. of 4/13. Harris' line on page 10
From det. for W.C. Cor. of top. Lat. S. 15921
X. Depo. 1806.6.

10/29
30/06

25

2 road from Dams down Cottonwood Canyon
10/20/06. Move to Barrett's. & prepare for coming
10/29/06 move camp to Skye Valley

26 Traverse of 49 Level
Morena Reservio.

Sta.	Dist.	Dif.	D.Dif.	Cal.B	Mag.B	Double
6	155 ³	R 52° 17'	109° 34'	S 62° 51' E	49 1/2	S 62° 30'
5	152 ⁰	L 36° 07'	72° 14'	N 64° 52' E	64° 53 1/2	N 65° E
4	177 ⁰	R 23° 59'	47° 58'	S 79° 01' E	59 1/2	S 78° 30' E
3	42 ⁰	L 23° 18'	46° 36'	N 77° 00' E	18 1/2	N 77° 15' E
2	526 ⁶	L 6° 58'	13° 56'	S 79° 42' E	57	S 79° 30' E
1	321 ³	R 4° 57'	9° 54'	S 72° 44' E	45 1/2	S 72° 30' E
0+00	283 ⁷	R 36° 16'	72° 32'	S 77° 41' E	42 1/2	S 77° 30' E
A		L 88° 51'	177° 42'	N 66° 03' E	52	N 66° 03' E
A		L 78° 42'	157° 24'	N 76° 12' E	0 1/2	N 76° 12' E
A		L 108° 06'	216° 12'	N 46° 46' E		N 46° 46' E
A				S 25° 06' E	S 25° 06' E	S 25° 06' E
		R. 117° 29'	L 155° 14'			

Feb. 15, 1912

R. W. Waterman Trans.
Joe Rosse } chain.
Henry Paredes }

Rock

Sta. 0+00. mark.

hub E. end of Lake. 21

pt. on North side Lake (in rocks) 56

A

Sta	Dist	Dif.	D. Dif.	Cal. B	M B
17	232	^{57 1/2} R. 6° 01'	12° 02'	N 68° 50' E	N 67° E
16	224	²³ R. 1° 24'	2° 48'	N 62° 54' E	N 63° E
15	395	^{33 1/2} R. 13° 18'	26° 36'	N 61° 30' E	N 61° 30' E
14	205	^{15 1/2} R. 125° 52'	251° 44'	N 18° 12' E	N 18° 01' E
13	332	^{45 1/2} L. 141° 44'	^{36 1/2} 283° 28'	N 77° 40' W	N 77° 00' W
12	107	⁴⁰ L. 64° 39'	129° 18'	^{09'} N 64° 04' E	N 64° 30' E
11	81	³⁰ R. 29° 29'	58° 59'	¹¹ S 51° 17' E	S 51° E
10	425	³⁷ R. 58° 36'	117° 13'	^{41'} S 80° 46' E	S 80° 31' E
9	101	²⁷ R. 21° 38'	42° 56'	^{42'} N 40° 38' E	N 41° E
8	75	⁴² L. 97° 46'	75° 32'	^{15'} N 19° 10' E	N 19° 30' E
7	249	^{13 1/2} L. 60° 13'	120° 26'	^{59'} N 56° 58' E	N 57° 10' E
		R. 256° 08'	L. 304° 22'		

OK.

OK. Feb. 15, 1912 R.W.W.

Sta.	Dist	Dif.	D.Dif.	Cal. B.	Mag. B.
27 □	490 ³	R 5°09'	10°18'	S 72°26'W	72°30' W
26 □	157 ²	R 3°10'	6°20'	S 67°17'W	S 68°W
25 □	267 ⁵	L 21°07'	42°14'	S 64°07'W	S 64°30' W
24 □	213 ⁴	R 2°22'	4°44'	S 85°14'W	S 86°W
23 □	125 ⁷	R 14°28'	29°26'	S 82°52'W	S 83°W
22 □	135 ⁰	L 134°40'	269°20'	S 68°09'W	68°W
21 □	52 ²	L 25°17'	50°34'	N 22°49'E	N 25°E
21 □		L 15°59'	OK	S 76°07'W	S 76°W
20 □	97 ⁵	L 30°52'	61°44'	N 48°06'E	N 48°E
19 □	136 ⁵	L 28°25'	56°50'	N 78°58'E	N 79°E
18 □	62 ⁰	R 38°28'	76°58'	S 72°37'W	S 72°W

R. 63°52' L 290°21'

OK

To □ A True bearing N 76°12'E
Error 5' Left.

29

Sta	Dist.	Dif.	D. Dif.	Cal. B.	M. B.
38 □	64 ⁶	⁴⁵ R 24°44'	^{32'} 49°28'	S 88°19' W	S 81° W
37 □	66 ⁵	^{37 1/2} R 23°36'	⁴⁷ 47°12'	S 63°35' W	S 63°30' W
36 □	181 ³	^{01 1/2} R 110°04'	^{40°09 1/2} 230°08'	S 39°59' W	S 40° W
35 □	129 ²	^{08 1/2} L 16°10'	^{69°52'} 32°20'	S 70°05' E	S 69°20' E
34 □	114 ²	^{22 1/2} R 66°25'	^{43 1/2} 132°50'	S 53°55' E	S 53°30' E
33 □	34 ⁵	^{45 1/2} L 29°47'	^{54 E} 59°39'	N 59°40' E	N 60° E
32 □	186 ²	^{27 1/2} L 169°28'	^{39 1/2} 328°55'	N 89°21' E	N 90° E
31 □	245 ⁰	^{12 1/2} L 62°13'	^{74.07} 124°25'	S 73°55' W	S 74° W
30 □	104 ⁵	^{61.00} R. 60°57'	^{40 1/2} 121°58'	N 43°32' W	N 33° W
29 □	130 ⁵	²⁸ L. 76°22'	^{19 1/2} 152°58'	S 75°09' W	S 75° W
28 □	165'	R 79°12'	^{12 1/2} 158°24'	N 28°22' W	N 28° W
	R. 365°00'	L. 349°07'			

OK

X

Feb. 17, 1912

Sta	Dist	Dif.	D. Dif.	Col. B.	M. B.
48 □	67 ⁵	R. 29°10'	48°20'	N34°46'W	N34°W
				19 1/2	
47 □	269 ²	R. 25°59'	51°58'	N58°56'W	N58°15'W
				260.00	31 1/2 x
46 □	329 ⁰	L. 32°18'	64°36'	N89°53'W	N84°30'W
				16	31 1/2
45 □	105 ⁶	R. 22°11'	44°22'	N52°37'W	N52°W
				12	15 1/2
44 □	131 ⁰	R. 55°39'	111°14'	N74°48'W	N74°30'W
				27 1/2	
43 □	85 ³	L. 26°41'	53°22'	S99°35'W	S50°W
				55 1/2	
42 □	105 ⁹	L. 30°55'	61°50'	S76°16'W	S77°W
				54	36 1/2
41 □	73 ⁵	R. 24°03'	48°06'	N72°49'W	
				06	29 1/2
40 □	210 ⁵	R. 25°37'	51°14'	S83°08'W	S83°30'W
				39 1/2	24 1/2
39 □	137 ¹	L. 30°48'	61°36'	S57°31'W	S58°W
				47	45
		R. 177°36'	L. 120°42'		

OK

Sta.	Dist.	Dif.	D. Dif.	Cal. B	M.B.
□ 58	85 ²	L 127°36' ^{1/2} L 126°43'	253°26'	5°40'	S 5°12' E S 1° E
□ 57	315 ²	29 R 9°23'	18°46'	03 1/2 N 58°29' W	N 55°30' W
□ 56	141 ²	R 75°28'	150°56'	27 1/2 N 67°32' W	N 62°30' W
□ 56		R 9°41'	19°22'	46°45 1/2 S 46°41' W	S 47°15' W
□ 55	200 ²	33 1/2 L 110°35'	221°10'	37°04 1/2 S 36°40' W	S 37°30' W
□ 54	102 ¹	31 R 23°38'	47°16'	22 N 32°45' W	N 32° W
□ 63	95 ²	39 1/2 R 14°10'	29°20'	55°53' N 56°23' W	N 55°30' W
□ 52	130 ²	44 R 10°42'	21°24'	70°32 1/2 N 71°03' W	N 70° W
□ 51	142 ⁵	47 L 31°49'	63°38'	16 1/2 N 81°45' W	N 81° W
□ 50	64 ³	18 R 48°20'	96°40'	29 1/2 N 49°55' W	N 49° W
49 □	34 ²	28 L 63°30'	127°00'	82°12 1/2 S 81°44' W	S 82°30' W
		R. 182°11'	L 332°37'		

True bearing N 46° 46' E
Error of 05' L

□ R

Sta.	Dist.	Dif.	D. Dif.	Col B	M.B.
□ 69	127 ²	L 32° 26'	64° 52'	N 33° 52' 1/2 E	N 39° E
□ 68	294 ³	^{13° 32'} R 13° 33'	27° 07' 27° 07'	N 66° 17' 1/2 E	N 61° E
□ 67	108 ⁵	L 93° 53'	187° 45'	N 52° 45' 1/2 E	N 52° E
□ 66	266 ⁷	L 100° 41'	201° 28'	S 33° 19' 1/2 E	S 33° E
Hub name □ 65	253 ⁴	⁴¹ R 26° 42'	53° 24'	S 67° 17' 1/2 W	S 60° W
□ 64	132 ²	L 27° 12'	54° 24'	S 40° 30' 1/2 W	S 41° W
□ 63	285 ⁶	L 52° 44'	105° 38'	S 67° 48' 1/2 W	S 60° W
□ 62	165 ⁸	R 13° 07'	24° 14'	N 59° 27' 1/2 W	S 93° W
□ 61	86 ⁵	^{53 1/2} R 30° 54'	61° 17'	N 71° 35' 1/2 W	N 71° 10' W
□ 60	85 ¹	^{30° 12'} R 27° 16'	54° 32'	S 77° 3' 1/2 W	S 70° W
x □ 59	79 ⁰	^{52° 59'} R 54° 57'	109° 56'	S 47° 19' W	S 31° W

hub changed.

Sta	Dist	Dif	D. Dif.	Calc.	M.B.
□ 1					
□ 0+00				$L 9^{\circ} 54' 28''$ $L 9^{\circ} 56'$ $19^{\circ} 50'$	$S 77^{\circ} 40' E S 77^{\circ} 30' E$
□ 75	$62 \frac{6}{8}$	R 105° 46'	$2 11^{\circ} 31'$	$S 67^{\circ} 46' E S 67^{\circ} E$	
□ 74	$177 \frac{5}{8}$	$L 112^{\circ} 21'$	$20 \frac{1}{2}$	$124^{\circ} 42' N 6^{\circ} 28' E N 7^{\circ} E$	
□ 73	$374 \frac{5}{8}$	R 10° 04'	$20^{\circ} 08'$	$S 61^{\circ} 11 \frac{1}{2}' E S 51^{\circ} 31' E$	
□ 72	$374 \frac{5}{8}$	$L 14^{\circ} 26'$	$22'$	$28^{\circ} 51' S 71^{\circ} 15 \frac{1}{2}' E S 71^{\circ} E$	
□ 71	$230 \frac{5}{8}$	R 27° 41'	$40'$	$53^{\circ} 22' S 56^{\circ} 53 \frac{1}{2}' E$	$S 56^{\circ} 31' E$
□ 70	$71 \frac{1}{2}$	R 61° 37'	$34'$	$123^{\circ} 14' S 84^{\circ} 33 \frac{1}{2}' E S 89^{\circ} 15' E$	

True bearing $S 77^{\circ} 42 \frac{1}{2}' E$

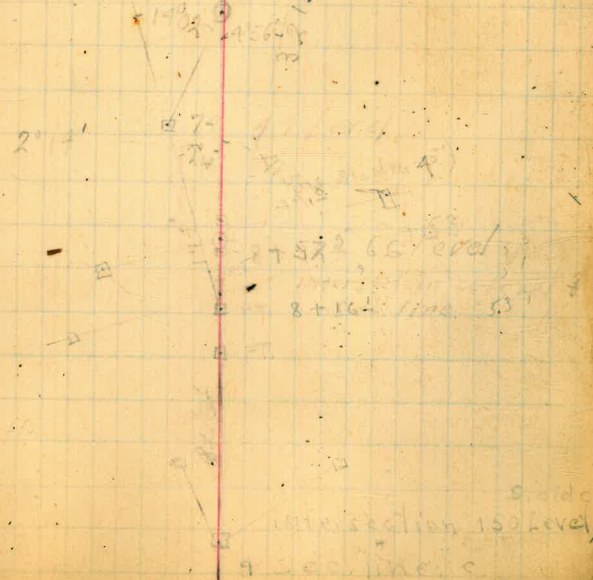
Error $2 \frac{1}{2}' R+$

Intersection of sec. line
and 66 & 49 contours. with
Stadia cheques to distances,
South Side.

R. W. Waterman Trans.
J. C. Sullivan } chain.
Henry Paredes }

Intersection (Name)

66 & 49



Intersection of 66949 contours
and sec. line.
Stadia Cheques of distances,
North side.

Feb. 19 1912
R. W. Waterman, Trans.
J. Sullivan } Chain.
H. Paredes }

1" X 2" Intersection. N side
150 contours Sec line.

36

37

38

39

40

#1

42

43

Sta	No.
□ 66	1
□ 61	2
□ 56	3
□ 47	4
□ 44	5
□ 32	6
□ 28	7
□ 21	8
□ 15	9
□ 10	10
□ 6	11
□ 0+00	12
□ 73	13

also on 66 contour

		N	S.	E.	A.
		16686.10		7960.60	
N 3° 52' E.	982.4	780.60		52.80	
N 11° 06' N.	1096.5	1076.00		211.10	
N 45° 43' N.	135.5	<u>18442.70</u>		8013.40	
		94.50		97.00	
N 69° 07' N.	470.2	167.60		439.30	
N 56° 55' N.	452.8	246.90		379.00	
N 58° 24' N.	759.1	377.70		646.50	6
N 68° 26' N.	275.5	100.50		256.50	
N 82° 36' N.	317.5	40.90		214.90	to Sta. 8
		<u>19490.80</u>		<u>2344.30</u>	

South	15898.00		15898.00		
S. 61° 12' N.	563.00		271.20		493.40
S. 65° 42' N.	1402.30		577.10		1278.10
N. 23° 4' N.	897.00	825.30			35.10
			<u>16746.30</u>		<u>1806.60</u>
			825.30		2620
			<u>15921.00</u>		
			<u>15840</u>		
			81.		

Lat & Long from N. E. Cor. of Trip.

	N	S	E	#.
N. 0° 14' E.	2642.30	2642.30	10.84	
N 4° 51' N.	2695.90	2686.30		227.94
N 0° 28' N.	2636.60	2636.60		21.40
North	7925.00	7925.00		
East	6257.00		6257.00	
N 62° 09' E.	662.30	332.50	633.10	
N 70° 35' E.	1382.40	461.40	1309.00	
S. 52° 29' E.	323.60	<u>16626.10</u>	1287.94	
S. 75° 51' E.	142.50	197.10	256.70	
S. 46° 06' E.	171.40	32.80	138.20	
S. 35° 56' E.	905.00	118.80	123.50	
East	1290.00	732.80	531.10	
North	287.60		<u>1290.00</u>	
East	4226.8	16973.70	1083.30	249.34
N 40° 50' E.	1860.9	1408.00	1216.80	
N 65° 42' E.	1402.3	577.10	1278.10	
N 61° 12' E.	563.0	271.20	493.40	
N 0° 04' E.	15897.9	19230.00	17764.54	
S. 89° 56' E.	10560.0	15897.90	18.44	
6 Miles =	35127.90		17782.78	
	31680	3 miles =	15840	
	3447.90		1942.98	
	1083.30		249.34	
	4364.40		1693.64	

Beginning on South Eddy of Trip at Cor. of Secs 33 & 34
 To Public Cor. bet. Secs 33 & 34 S. 17 S., R. 4 E.
 Cor. of Secs. 27, 28, 33 & 34.
 To Public Cor. bet. Secs 27 & 28
 To pt. for Cor. of Secs 15, 16, 21 & 22

To E. end of rock pile at Morina Grant

= Nothing 15890' Easting 10300' from Cor. of Secs
 22 & 34 on S. Eddy of Trip.

To pt. on E. Eddy of Trip. as established from pt. for N. E.
 Cor. of Trip.

47



2



Local det 0.835 .5

6603
5618
10219

8.6083

4.716

16643

15

1076

2.12

4675

N = 100

