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+ 140 N. R 26 W.

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West between

T 140N R 27W.

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40-141
25

140-25 140-26 140-25 140-26 140-25

T. 140 N R. 26 W.

Date, November 9, 1937

Party:
Strongsted
Chapka
Miller
Ches Lewis
E. Riley

26439 Ft. Crossed hay meadow.

14780 Ft. entered N-W end of same hay meadow.

14757 Ft. Crossed top of meadow.

14786 Ft. Crossed to top meadow NE-SW.

14715 Ft. Crossed old barbed wire running NW-SE.

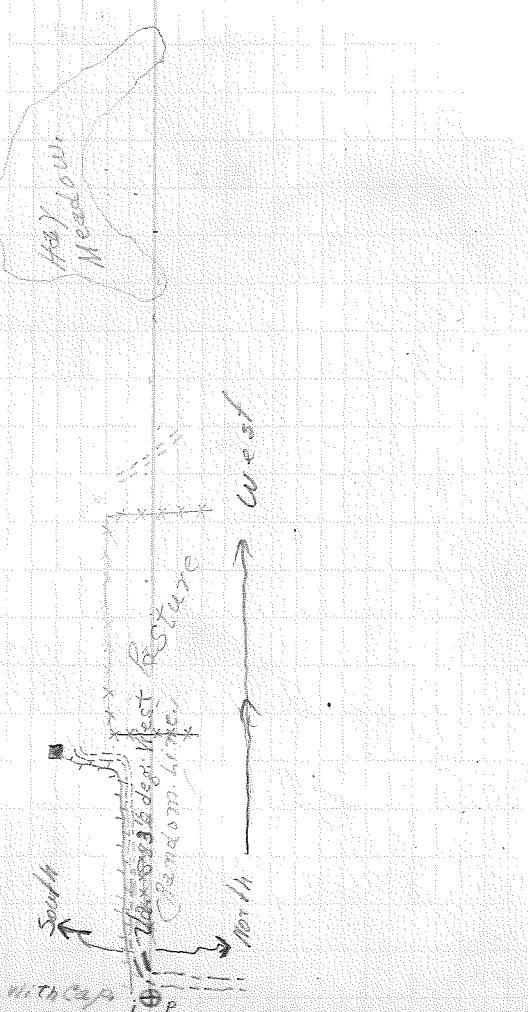
14708 Ft. Crossed fence running NW-SE.

5460 Ft. Crossed fence running N-S.

5100 Ft. Farm house south of line about 200 ft.

1412 Ft. Crossed fence running west along line.
FT 27 Ft. Came to center of road running W-N.
0700 set up and run West on Road line Sec. 44^{1/2}

Started from old tip with cap



140-25 140-26 140-25 140-26 140-25 140-26

40-14,
25

T. 140 N. R. 26 m.

25 ft. Center of R. River. 16 ft.
62+70 ft. Set 320 sec. Con. Telephone above.

Sec. 1014
15th

344-27th Crossed S. Swamp.

50+62 ft. 33rd to S. Swamp.

36-40 ft. Set 320 from N. R. River.

Boundary Note:
17-18 ft.

Some ferns

26. N. 300 ft. 27th to 15th

28th



1140 R256

26+40 Ft. set APP. No old R.T.D. found.

23+20 Ft. Entered S.S. Sup. running N-S.

15+70 Ft. Left Tern. sup.

14+12 Ft. Entered tern. sup. running N-S.

140-26 140-25 140-26 140-26 140-25

page 3.

No Soc.
Done

Date, Nov. 11, 1927

Party strength
Chaplin
Miller
Ches. Lewis
E. Riley

*
Tern. sup.

Map. S.) S. 82° 26' E. 120.0 m. N.E.

100 D 121

116 140-25
1217 140-26

0700 set up at 1140 sec. cor. Oct. 11 no old R.T.D. found furthest

140-26

140-25

140-26

140-25

53+00 FT Come to center of Road N-S.
52+80 FT Set App. Sec. Cor. 1+31FT to Far So. to Me at int. of roads, telephone above.

Road running West-Bound

Road running N-S Bound

S 84° W

N 84° W

Ditch along Road.

4.

Same party

34+40 FT Left SS. SWP.

32+48 FT Entered SS. swamp. N-S.

27-87 FT Left SS. SWP. Running N-S.

S 83° 50' E

(Mag. Bear 1/2)

T. 140th R. 26^W

36+40 Ft. Set APP 1/4 cor. Bet 2-11. in center of Road

23+00 Ft. Farm house to the north about 2-50 Ft.

0700 Ft. Set up and Run West along Road Va. 6th

140-25 140-26 140-27 140-28
25 26 27 28

5

Weather. Clear - Cool Windy Date November 12 - 1937

Party. Stronstad compass
Chaplin - Chain
Miller, O. - Chain
Riley, E. - Brush
Lewis, L. - Brush

5000 ft.
Run west along road

Telephone West along road
App. Sec. 26 2-11

T. 140 N. R. 26 W.

53+23 FT hit edge of twin lake
52+80 Ft. Set APP. Sec C. Cont.

50+38 FT middle of #6. Reed Bearing N 2° W on cur. rd.
50+18 Ft. Telephone Line North and South along #6.

46+20 FT. Road curves of lime.

45+67 FT. Cottage on south side of road

44+00 FT. Clearing on south side of road.

38+11 FT. Side road going North

37+17 FT. School house to the South of the line
about 150 ft.

140-20

140-25

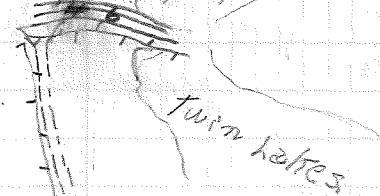
140-26

140-41

26
25

6.

weather clear - cool. Wind Δ property



T140 R26W

06+40 ft. Set APP 4 cor. 2nd came to same spot.

18+79 ft. Crossed road possibly track

2703 ft. Left 12 m. SW of

5+53 ft. crossed old hay road

Set up in tall. sum. Run west

1487 ft. found ip. Bearing N75°E Bot. two cor.

0100 Set up at old scribed cor. T140-S2 - R 26 S1 about

140-26

140-25

140-26

140-141
26

140-141
25

7

Weather-Cold-Windy-Attempted Date Nov. 15, 1937

Party- Strandstad Chupke Chaffin
" " Miller Chaffin
" Lewis, Chas. Brush
" Riley, E. Brush
" " " " " " " " "



11.78
S 82°5' W

Random
Mag. Bear
SW 1/4 M²

12 m.

found B.t. bearing
N62°W. 32 ft. Bt. term
Reading (S 35 BT) 1.0
B.t. N81°E. 5 ft. 35 ft.
Tarn STA

4" Squared stakes. Run West

235

1143 R 26

35+65 FT. set APP MC. Station Rice Lake

140-26 140-25 140-26 140-41 140-141
R 26 R 25 R 26 R 25 R 25

8.

Rice
Lake

T140 R25

140-26

140-26

140-141
26

140-141
25

9

Weather - Cold - Clear - Windy Date Nov. 16, 1937

Party	Strongsteel	Compass
Chupka	C25°N	
Miller,		C31°N
Lewis.C.		Brush
Riley-E.		Brush

1700 ft. set up and run East 166.8°.

appx. S.C. 1/6

Continue line east from 1700 east at

N 83°12' 06"
Rounding N 83° 06'

T140 N R25 W

140-141
26 P5

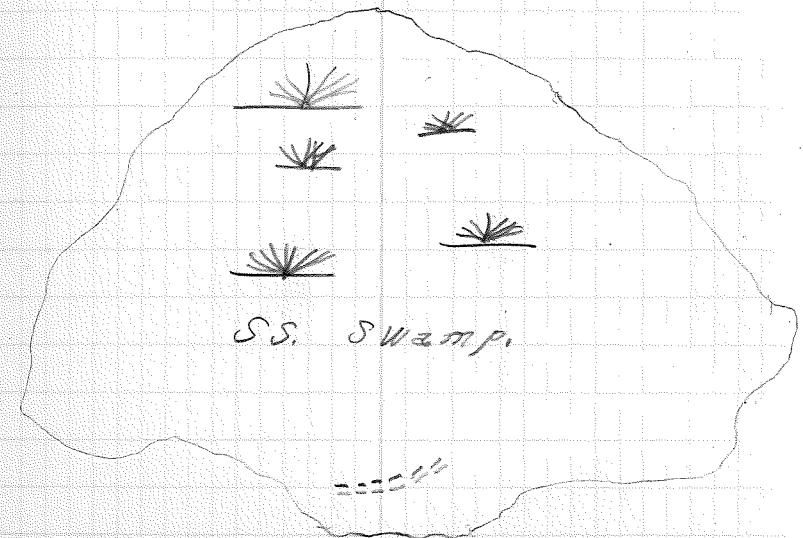
140-141
P5

10.

same party

40+00 ft. left S.S., swamps. N-S. - quit for day

38+13 ft. came to old logging road N-S.
29+00 ft. entered S.S., swamps. N-S.



1140-AR6

26+40 FT. SET H.P.P. ECW. VAC. C.R.
36+17 FT. Road Run. West from highway

0700 Set up at int. of road run back along highway

#6.

140-141 140-142
26 25

11

Date Nov. 17 1937

Party-strongest Compass
Chapke Chain
Miller Chain
Lewis C. Brush
Riley E. Brush

Reg. deer and hog

156 14
12 23

140-141
26

140-141
25

12

52+80 Ft set App. Sec. Cor. Run West Va. $6\frac{1}{2}$ degrees.

51+34 Ft come to old Survey line run East.

same party

140-141 NO-14
26 25

Nov. 17/1937/3

26+00 Ft. set app. E.C.W. West.

Same party

19+50 Ft. 1st S.S. S.W.

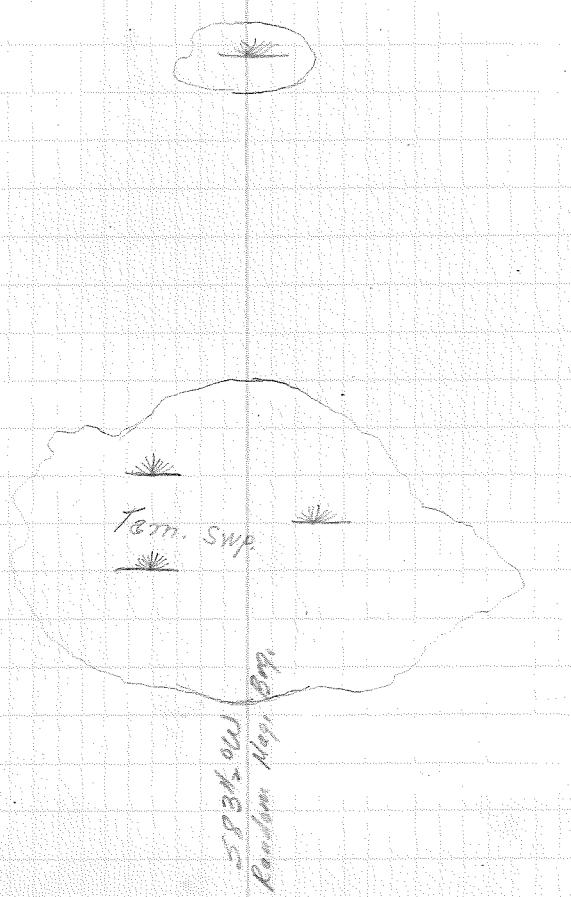
18+25 ft. came to So. S.W. N-S.

12+00 Ft. 1st. Term. S.W.

5+27 ft. came to Term. S.W. N-S.

6+00 Ft. set up and run west at 100'. so con

10/11
20/11



T140 R26

140-141
26

140-141
25

14

Same party

32+57 Ft. from top edge of Big Thunder ledge.

26+92 Ft. measured S. to N. 32.7 Ft. mounted with rocks at base.

30+00 Ft. measured S. to N. 10m. long rod. 36 Ft. S. of my line.

T140 R26

17436 ft. measured So. 5 deg. to old orig. M.C. Scribed M.C. 522. - MC.S157

13440 ft. house on S. side of rd.
12744 ft. Chased fence N. S.

12700 ft. left. Back E.-W.

0700 Set up at int. of rd. Run West along road.

15/16
22/23

Date Nov 17 1957

Party Strongad
Chapka
Miller
Lewis,
Siley

15

15/16
22/23
Nov 17 1957
20085

T 140 R 26

26740 ft. came to 451P S1 side on two sides No 8071068.

Lake shore.

140-141
26 25

16

Date Nov. 15 1937

Partly晴
Stratified
Orogenic
M. & L.
Lowell
Project.

Term. swp.

17400 ft. entered term. swp.

14700 ft. left spruce swp.

875 ft. entered spruce swp
871 ft. came to old logging road N-S

4177 ft. came to old logging road N-S

152 ft. W to S squared off post for can. Measured up to

100 ft. Stopped on road 107 S SW 100 ft. 574 140-26

E. Side P 26 W 5 S 3
Off Side E 141 N 53 S
W. Side P 26 W 5 S 3
S. Side T 140 N 33 S

Change in elevation 5850 ft
on cut out line.

T 140 R 26

57+78 FT. CONCRETE 48 MILLS STATE 82TH S. FROM MILE 10 OF ROAD

140-26

140-141
26
25

17

Same party

Note
Random May 27, 1971

33
374

0800 Started from end Int. Run East and Run E. along road

T140 R26 W.

6-02 ft. crossed Fort Rail
at the West end of the N-S.

North Cams later visitors

can found long ago col 01-22 - 2003 Run West

40-26

140-141
26

40-44
R5

18

Date Nov 19, 1937

Party Strandseth
Abuske
Miller
Lewis,
Riley, U.

Ridge 100' below
Ridge 100' above

Slopes in Old cut out 11' to

Coffin Lake

+140 P.26

52+80 ft. S. 1 3/4 W. 800. con. on old line E.C.W.

48+82 ft. crossed foot trail N-S

43+80 ft. came to foot trail N-W-S-E.

140-26

140-141
26

40-141
25

19

Same party

F-140-141 R-26 W.
26

40-26

141-0

NO-141
E5

Date Nov. 29, 1937

Party sponsored by
Chapts
Miller
Lewis
Riley

5834002
Random Map Bearing

10700 ft. Set up and cont. West Rich Sec.

26W
33 141-5
4 140-2526W

T140-R25

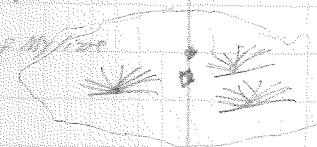
ND-26

167220 R0105 by.
3130 ft. Ford at stream. White dol. csg. Cox elong. 25 ft. to the N. of M. fine
5 ft. below S. C. M. Sec Cox
31400 ft. extend S. C. csg. N-S

Same party.

21

Map located S. C. M. Sec Cox



140-26

22

T 140 R 26 - 27 W.

56740 ft. set APP 4 E CW C.R.

11741 ft. Came to center of road E-W.

0700 ft. Set up at truest. ip. Ref. Sec. $\frac{25}{36} \frac{33}{31}$ m. all North.

Weather Fair - Cool

Date. Dec. 2. 1937

Party:
Strain
Miller
Lewis
Biley
Finney

=====

Par 1200 ft. N 79 W

Boring holes found.
N.W.E. 30.7 ft dist. 14" J.R.
scribed S 31 BT.
N.P. 12 + bears S 30 E.
8.7 ft scribed S 31 BT.

N.P. 12 in. Bears S 28 W
24.2 dist. scribed 536 BT
J.R. bears N 82 W
224 ft dist. scribed S 25 BT.

12.6 degrees.

2

1140 R 2627 W.

53+14 ft. Came to edge of lake.
52+80 ft. Set App ECW sec. cat.

50+90 ft. found old orig. M.C. old scribe in post.

45+85 ft. Came to SS sup.

32+36 ft. Came to center of road. SW-NF

31+77 ft. left SS sup.

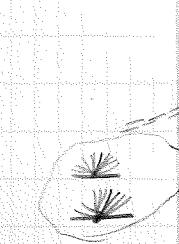
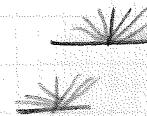
30+60 ft. entered SS sup

HD-26

23

o Same Party

OK • M.C.



1140° R 26W

26740 ft. S of 499 E C10 Sec. 8.

3400 ft. East of spruce spr.

1050 ft. left Spruce spr.

1500 ft. Postured Spruce spr.

000 ft. S of west corner on Burned lot 37-28 north 13°

Date Dec. 6, 1957

Party sponsored by
Charles M. Her
Lewis P. Keph

Spruce cut

1000 ft. N of Spruce cut

1000 ft.

1140 N 36 W

52+80 ft. set 200 E CW. sec. con. S 21 ^{1/2} 30 39

50+00 ft. entered spruce spr.

41+00 ft. left spruce spr.

37+00 ft. entered spruce spr.

35+50 ft. pine ridge to the north

30+00 ft. left spruce spr.

25

* same party

spruce
spr.

slope

valley

valley

spruce
spr.

26

DEC 7 1937

party
STRONSTED
Cupcake
Lewis
Miller
Riley

83405
Division Map R.D.

Tom
Simp

800 ft. left term. swp.

500 ft. entered term. swp. N-S.

2000 ft. left later swp.

0 ft. set up and run t. Oct 17-30 140-26

to appr. S.C. $\frac{19/20}{31/29}$

50+00 ft. Found line running W - 76 ft. N. of my line.

36480 ft. L 080118 Road N-S.
35700 ft. Camels Back 8MP

31+00 ft. Logging Camp 400 ft. So. of 1170

28

26740 ft. set HPR ECW 1400 ft.

Dec. 8, 1937.

Same party

W. C. Bow
Rounding roughings.

1591 ft. came to foot E.W.

0+00 ft. Set up and run No. on Range line.

137-140-27

=====
A wooden Stake

52120 ft. Set H.P.P. E.C.W sec. lot.
52100 ft. Came to ss sup. N-S.

Dec. 10 1937

Same party

30

26440 ft. set 1190 E CW 44Cot

16450 ft. left SWP.

12100 ft. entered mixed spruce hardwood swp.

4000 ft. left spruce swp.

3400 ft. entered spruce swp.

0+00 ft. set spruce F Det. ^{42D} 1311 ft. EPP Soc.Cot. ss swp.

SSP SWP

Dec. 12, 1932

party same.

SWP

#833 E
Ridgeway Reserve



31.

same party

30+00 ft. wait for day.

8700 ft extend SSW.

124.29 ft. Cazal to true Sec. Caz 1 P. set up and continued to run N 11° 20' W. 100 ft.

Punni 78 N. 41° E. fence.
16 ft. from road line.

0.100 ft. set up and run, from 1st Caz.

8/1 190-26

5 83 1/2 20

7-10 1/2 20

1 P
true Caz

Dec. 14 1937

Same party

S.S. SWAN P.

at 3000 from west.

2800 ft. found old fine 25 ft. to the So. of 1170.
27415 ft. Cormets old scribed 1400 ft. S 18° - S 7°

1600 ft. left Spruce S 18°

Magn. Bearing
583 1/2° N

Spruce SWP.

100
07-26

34.

Dec. 10, 1937.

Same party

Jan 7-1938

Party

Stranstad

Bush 176.

Started from N.E. cor:

12+99 ft. East from Ths

Sec. Cor. 10th Run East

Va. 630.

13+20 ft fence N-S

22+86 ft. " NE S

26+13 ft. N.E. cor S84.5 E11.5 S

29+51 ft. M.C. cor

30+20 entered lake.

39+47 land

42+73 lake

48+98 ft. land

52+90 ft. See Gr. 1R

This was used
the other

16+20ft. came to Land

25+00

34+00

33+00

33+00

31+00

26+00

19+00

18+00

14+00ft. came to Big Thunder Lake shore.

16+10ft. came to M.C. corner scribed with S-8 and S-17.

15+00

14+00

13+05ft. came to 1/4 sec. corner, scribed with

12+00ft. crossed fence running along line

11+00

10+00

9+75ft. crossed same fence running S.E. and East.

8+00

7+00

6+00

5+00

4+00

3+00

2+00

1+00

0+25ft. crossed fence running North and South

0+00ft. set up and fast from iron pipe.

S-8 and S-17.

S.E. and East.

Mag. Bearing 53-5° W.

W between Sec. 8-17 X 6 corner. +++++

100
27-26

52+54 ft. came to iron pipe. See. Cor. continued

51+00

50+58 ft. came to old M.C. stake. One side blazed

49+00

48+00

47+00

46+00

45+00

44+00

43+00

42+00

41+00

40+00

39+00

38+00

37+00

36+00

35+69 ft. came to iron pipe.

35+44 ft. came on to high land.

34+00

33+00

32+00

31+00

30+00

29+50 ft. came to Lake again.

28+00

27+00

running East

35.

Dec. 16, 1937

same party

W.M. Geering
N.Y. 83 1/2 E.

110
27-44

36.

26+0

25+00

24+00

23+00 ft. came to Cedar and Balsam swp, and Spruce swp.

22+00

21+00

20+00

19+00

18+00

17+00

16+00

15+00

14+00

13+00

12+00

11+00

10+00

9+00

8+00

7+00

6+00

5+01 ft. left pug hole.

4+00

3+30 ft. came to pug hole.

2+00

1+00

0+00

Last from S.C. 1912 110-26

S.W.P.

Dec. 15, 1912
same party.

Random flag. Bearing
N 31° E

pug hole

1.P.

52+00

In the lake

52+00

51+00

50+00

49+00

48+00

47+00

46+00

45+00

44+02 ft. came to iron rod, iron pipe, left from iron rod, and edge of lake. Thence run across Big
43+92 ft. came to road running North and South.

42+00

41+00

40+00

39+00

38+34 ft. left spruce swp.

37+00

36+50 ft. came to edge of spruce swp.

35+00

34+00

33+00

32+00

31+30 ft. left Spruce, Balsam and Cedar swp.

30+00

29+00

28+00

27+00

140
27-27

140-27

37.

Dec. 15, 1937
same point K.C.
hunder

Big

Thunder,

====

swp.

swp.

140
22-24

100-27

38,

Dec. 15, 1932
Same party.

Met B. S. at
M. & S. Mine

31+64ft. came to East side of Big Thunder Lake. Then offset 4+89ft. South and found old line running West.

T 140 N. R 26 W.

52+00 ft. set app. sec. Cor. stake, between

Sec.

, on line Lure

Dec. 17, 1937.

51+00

50+00

49+00

48+00

47+00

46+00

45+00

44+00

43+00

42+00

41+00

40+00

39+00

38+00

37+00

36+00

35+00

34+00

33+00

32+00

31+00

30+00

29+00

28+00

27+00 ft. → set up and run West, between Sec.

26+00

32
615

Party: Comstock
Chupka
Miller
Lewis
U.Riley.

Mag. S. C. A. R.
5/25/38.

→ 615, and run across Lake Lure.

IHD
22-26

53+00ft. came to middle of road and found iron pipe
53+2ft. came to road passable by truck leading into summer resort
53+00ft. crossed fence running Southeast

51+00

50+00
49+33 ft. crossed fence running South, found I.P.
49+00

48+00
47+03 ft. crossed Renoe, which surrounds summit of resort running N.E.
47+00

46+00

45+00

44+00

43+00

42+00
41+24 ft. found iron-pipe
41+00

40+00

39+00

38+00

37+00

36+30ft. fence running, Southeast from line

35+00
34+40ft. offset 21ft. North, and found iron pipe, MC.

corner, or run West along fence, via S.H.?

34+00ft. came to West. end of Lake Lyman

33+00

32+00

31+00

30+00ft. old shack about 2+50ft. South of

line

29+00

28+00

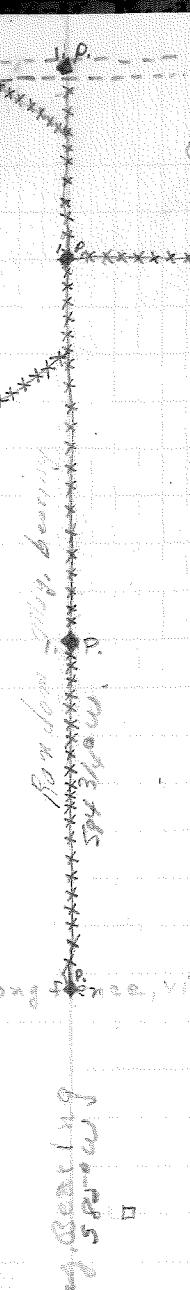
27+00

0700

West from right cor. 615 IHD-26 note

40.

Dec. 17, 1937
same party



T 140 N. R. 27 - 26 W.

54+9 ft. came to iron pipe, and four inch squared post,
53+20 ft. Set up and run West, from iron pipe and middle

on range line. Thence continued to run West,
off road, via six-and-a-half degrees.

Dec. 21, 1935.

Same party.

Random Magnet. S. 93 E. W.

41.

2510

2400

23100

22100

21100

20100

19100

18100

17100

16100

15100

14100

13100

12100

11100

10100

9+26 ft. came to Lake Trepte

8700 ft. crossed fence running North and South.

740

6700

5700

4700

3700

2700 ft. crossed fence running and Farmer's field running N.E. and S.W.

1-00

0+3 8 ft. Found old stake, scribbled with M.C. on it.
0+26 ft. came to road passed by truck running North and South.

3700 west but 3691 140-27 from corner.

Dec. 21, 1937,
same party.

Lake Trepte

Maze Counting
Sleshow. 0

====

Dec. 21, 1937

52 + 41 ft. found three blazed stumps, with reading
~~54 + 40 ft.~~ came to old stake about 3 in. No scribe
 on it.

Choccolanotberend [The second one was scribed with
 N.E.W. on it] The third was 59 ft.

North off line scribed with

N.E.W. on it

48 + 00 ft. offset over South 1 + 58 ft. to old survey line. Then he continued to run West.

46 + 00 ft. came to road passable by truck.

44 + 68 ft. telephone wires over-head running

43 + 17 ft. came to road passable by truck running

42 + 90 ft. came to East end of lake.

44 + 00

40 + 00 ft. house about 3 + 50 ft. South of line

39 + 00

38 + 00

37 + 00

36 + 00

35 + 00

34 + 00

33 + 00

32 + 00

31 + 00

30 + 00

29 + 00

28 + 00

27 + 00

26 + 00

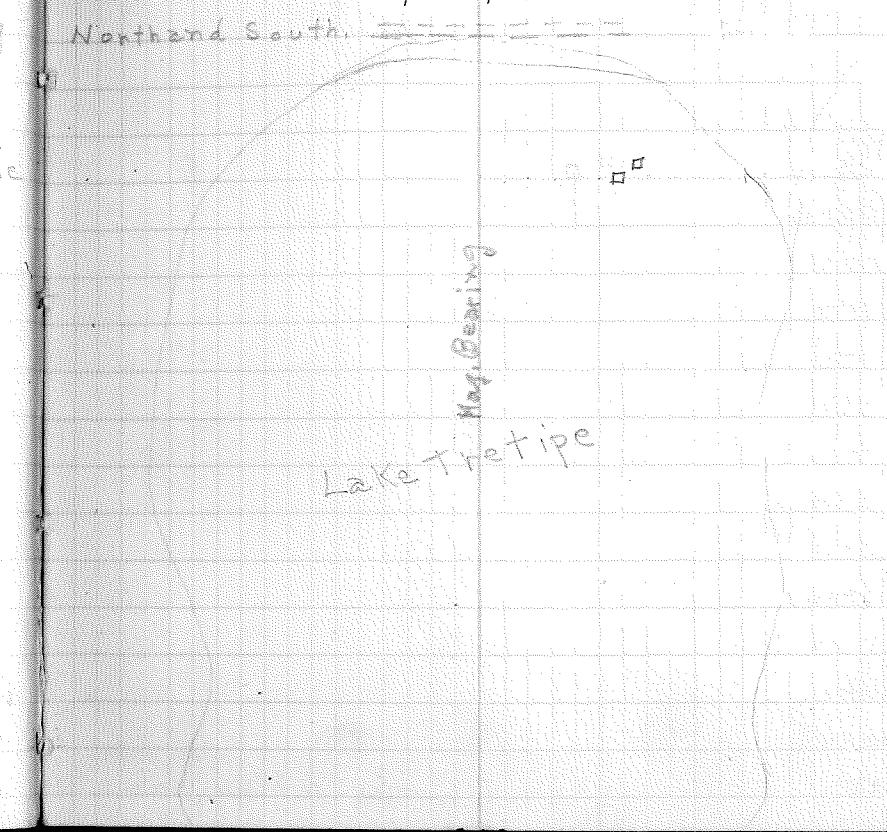
running North and South

North and South

North and South

Mag. Bearing

Lake Tippe



T 40 R. 27-26 W.

26+00
25+00

24+00

23+00

22+00

21+00

20+00

19+00

18+00

17+00

16+00

15+00

14+00

13+00

12+00

11+00

10+00

9+00

8+00

7+00

6+00

5+00

4+00

3+00

2+00

1+00

0+00 set up and run South from iron pipe, 1/2 six degrees.

1/6
1/7

Dec. 28, 1937.

same party,

Magn. declination
5°. E.

1.P.

45.
Dec. 26, 1937
same party.

43+00ft. set stake and quit
42+60ft. left the spruce sw.p.

41+00

40+74ft. came to edge of Spruce sw.p.

39+00

38+00

37+00

36+00

35+00

34+00

33+00

32+00

31+00

30+00

29+00

28+00

27+00

SPRUCE SW.P.

Mag. Bearing

46.

T. 140 R. 27-26 W.

52+72 ft. found old line running East and
West. App. 7+01 ft. from Sec. 2. Dec 29, 1937.

7+12 same party.

18/13

West.

SWP

Wood timber,
and 4 ft pine stump app 9 ft. from line. Bearings S 76¹⁰/E
via six degrees. Scribed S 72¹⁰/E.

Map - B. 22, S. 2. E. 5.

T. 140 R. 27-26 W.

52+72 ft. found old line running East and

5+03

60+0

49+01

48+00

47+83 ft. left. swp. running East and

46+00

45+03

44+78 ft. came to spruce swp. and hard
43+93 ft. found 3 in birch tree, blazed on 4 sides.
43+00 ft. Set up and run South from Stake

47.

Dec. 29, 1937

same party

Mag. Baseline S 85° W

13+00ft. set stake and quit

12+00

11+00

10+00

9+00

8+00ft. came to old logging road running N.W. and S.E.

7+00

6+00

5+00

4+00

3+00

2+00

1+00

0+00ft. set up and ran West from Sec. line

S. 13 | 12 + 140 R 25-26
18 | 7
~~18 | 7~~ 18 | 7 Va. 7 degrees

T 140 R. 2

R. 26-25 W.

16-00
25+30 ft. cane to road passable by truck running N. and S.E.

34+00

22+00

22+00

24+00

26+00

16+00

(8+00)

17+00

16+00

16+00

14+00

13+20 ft. set up and run West between Sec.

15+7
17+3

48.

Dec. 30, 1937

same party

Mag. Resolving S 23° W

T 140-R 24+27. W.

49

Dec. 30, 1937
same party46+88 ft. offset 1491 ft. North to Longville Grade
46+74 ft. left so swp.

45+00

44+00

43+38 same to S.E. swamp between See

42+00

41+00

40+00

39+00

38+00

37+00

36+00

35+00

34+00

33+00

32+00

31+00

30+00

29+00

28+00

27+00

running East and West. One mile so, on the Road Corhan
there's continue to run West.S.S.
SW.P.Mag. Board size 100
503.04

T 140 R 27-26 W

Dec. 30, 1937

Same party.

Mtg. Crossing

1500ft. quit for the day.

1440 ft. 13 ft 48 ft. Left the road. Set up and continued to run West from X corner.
13 ft 31.6 ft. can't true X6 cor, I.P. 2." App. 3" above the ground, where the grade turns South.

12-00

11-00

10-00

9-00

8-00

7-00

6-00

5-00

4-00

3-00

2-00

1-00

0-00ft. set up and continued to run West on Longville Grade
from 147.1 ft made at 11-15 6-00-27

50 ft N.W.

T 140 R 27 - 26 W.

26+40 ft. set app. $\frac{1}{4}$ sec. Cor. between Sec. 14 $\frac{1}{3}$

25+00

50+00

22+00

24+75 ft. entered floating bog running N.E. & S.W.

20+00

19+80

18+00

17+00

16+50

15+00 ft. set up and run West 2a. $6\frac{1}{2}^{\circ}$ between Sec. 14 $\frac{1}{3}$. S 83 $\frac{1}{2}$ W.

51.

Dec. 21, 1887

Same party.

Floating bog
809

58°

Mag. compass 532° 16' W.

From line West.

1 ft. above ground, at first 80 ft. + 26 ft., then run

marked J.H. standing alongside of 4" squared post, burnt off

Dec. 31, 1937. S-2

same party.

T 140 R 27 - 26 mi Sec 13 1/4

- 3127 ft. came to small swp. and found 2" i.p. with cap

52+00

51+00

50+00

49+00

48+00 ft. entered very heavy brush.

47+00

46+15 ft. left the S.S. swamp.

45+00

44+00

43+00 ft. entered S.S. swamp, running N & S

42+90

41+00

40+00

39+60

38+00

37+00

36+80

35+00

34+00

33+00

32+00

31+00

30+76 ft. left floating bog

29+70

28+00

27+00

S.S. SWP.

Met. Beeswax

Bog.

T 140 R 27 - 26W

~~264 ft.~~ offset 45 ft. North $\frac{1}{4}$ " iron pipe, to the south east corner of hay meadow, then continued down east side of
25700

24700

23710

22700

2184 ft. left S.S. swamp

20700

19780

18700

17700

16750

15700 ft. entered S.S. swamp running N+S.

14700

13720

12700

11700

10700

9700

8700

7700

6700

5700

4700

3700

2735 ft. left small exp.

1700

0700 ft. set up and run West, from I.P. to sec. cor.

Hay

hay meadow m. l. D. 883 $\frac{1}{2}$ W.
Dec. 31, 1937.

same party.

S.S. SWP.

Maze, Bedrock, S 83° W

sec. cor. cor.

1574 - S 83° West.

SWP.

T 1460 R 27. (W)

- 53+10ft. Found 1. P. corner, marked 2. H., about 2' with cap ^{P.} Sec. 16 9/10
- 52+00
- 51+00
- 50+00
- 49+50
- 48+95 ft. Left S.S. swamp
- 47+00
- 46+30
- 45+00
- 44+00
- 43+25 ft. entered S.S. swamp
- 42+05ft. crossed drainage ditch running N.W. and S.E.
- 41+77ft. entered S.S. swamp running N. + S.
- 40+00
- 39+65ft. crossed fence running N. & S.
- 38+00
- 37+00
- 36+30
- 35+00ft. offset over 0+26ft. North, 2nd confined to run West. 893 $\frac{1}{2}$ W
- 34+00
- 33+00
- 32+90ft. crossed fence running N. & S. and left hay meadow
- 31+00
- 30+00
- 29+70
- 28+00
- 27+00

521

S.S. swamp

S.S. swamp

Bearings

hay meadow

T 140 R 27 W.

126+40

257+00

147+00

23+30 ft. left ridge, and entered mixed swp.

22+00

214+00 ft. left swamp, and came to popl ridge.

20+00

194+80

18+00

17+00

16+50

15+00

14+00

13+20 ft. entered cedar and Spruce swp.

12+00

11+50

10+00

9+70

8+00

7+00

6+60

5+00

4+00

3+30

2+30 ft. came to road passable by truck running N.E. and S.W.

400

400 ft. cut up and run West from NE corner

55.

Jan. 3, 1938

comstock

shopka

Miller

Lewis

Riley

SWP.

SWP.

Map, Beartooth Mts.,
Saskatchewan

9/10
16° 15' Va 6° 51' 32" S 13° 20'

T 14 R 27 W.

30+ ft. set stake and quit for the day
29+70
28+00
27+00

56

Jan. 3, 1938,
same party.

Mag. Bear 129

500

T 140 R 27

52+40ft. set app. sec. coring S.S. SWP
52+40ft. came to S.S. SWP, running N.E.

51+00

52+00

49+50

48+50

47+00

46+30

45+00 ft. left the spruce and cedar swp. came to very heavy brush.

44+00

43+00

42+00

41+44ft. left S.S. SWP.

40+00

39+00 ft. came to S.S. SWP, running N and S.

38+00

37+00

36+30

35+00

34+64ft. came to old logging road running

33+00

32+00

31+00

30+00 ft. set up and run West from stake

S.S. SWP

Jan. 4, 1938

same party.

8/9

High ground

S.S. SWP

High ground

NW and SE.

V. 6 $\frac{3}{4}$ ° S 83 $\frac{1}{2}$ ° W.

SWP.

High ground

SWP.

Jan. 5, 1938,
Constock
Miller
Lewis
Kittay
Finney
Gair
Evans
Bukhite
Grapes

58.

26 + 50 ft. offset 5-3 ft. West to $\frac{1}{4}$ car. app.

13456 ft. crossed fence E.W.
13436 ft. came to telephone line overhead E.W.
13420 ft. came to road passable by truck E.W.

9 + 29 ft. left road

34 64 ft. came to snake lake

0+00 ft. started North 17/16 - 139-26

App. Post.



Ridge Top, Boggy

Lake

~2+50 ft. set app. Sec. Cor. on Lake Washburn.

37+60 ft. entered Lake Washburn.

35+00 ft. leave S.S. SWP.

34+00 ft. fence E-W.

33+34 ft. entered S.S. SWP. S.E. W.W.

30+54 ft. leave ten. SWP.

29+70 ft. entered Twp. road N.C. SWP.

SWP.

Jan. 6, 1938. 60
Comstockhead
Chop KZ - Note 5
Miller - headchain
Lewis - brush
Riley - brush.

53+ 92 ft. found true Sec. Cor. post, offset to post 7 ft. N. then continue & turn Westward left side up. 53+ 40 ft. crossed ditch NS.
52+ 80 ft. started West from app. sec. loc. 17116 81° S. 833' W. T140 R27

SWP
34. foot

Resurvey corner

Found 2 B.T.'s.
scribing could not be read.
14" aspen, Jafit North 532 W.

14" aspen, 39ft. South 5 W.
scribing TWO - R27. S+17.

Found:

squared post + 3 ft. long.
scribed T140 R27 W. S+16
and S+17 - T140 R. 27 W.

Found 2 B.T.'s.
scribing could not be read.

same party, 61

21+00 ft. set stake

25+00 ft. leave Cedar swp, entered Balsam swp.

21+00 ft. started West Va. 7^o, Jan 7, 1938. 8/16
21+00 ft. quit Sunday, Jan 6, 1938.

14+00 ft. left Balsam swp, entered Cedar swp.

9+90 ft. left S.S. swp, and entered Balsam swp.

7+06 ft. entered S.S. swp.

2+51 ft. came to road passable by truck N.E.-S.W.

0+00 ft. started and continue West Va. 7^o SSW. — 8/19 ft. post T141-27

Cedar SWP.

Balsam swp.

Randall Reg. Balsam
Swp.

S.S. S.W.P.

Romstick
Chopka
Miller
Lewis
Riley

Fauna

Inigated post
scribing 7/11/6

Pendon Mts. Section 3 N.Y.

2471 ft. See Cor. Found, and quit hard

48+15ft. leave lake

44700 ft. off set 1 to 5 ft. with old survey line and edge of
lake 26020 ft.

30+32ft. crossed fence N.S.

38+00ft. leave S.S. swp.

37+68ft. road passable by truck. N.S., telegraph wires overhead

33+00ft. entered S.S. swp. N.S.

31+37ft. road passable by truck NW. - S.E. telegraph wires overhead

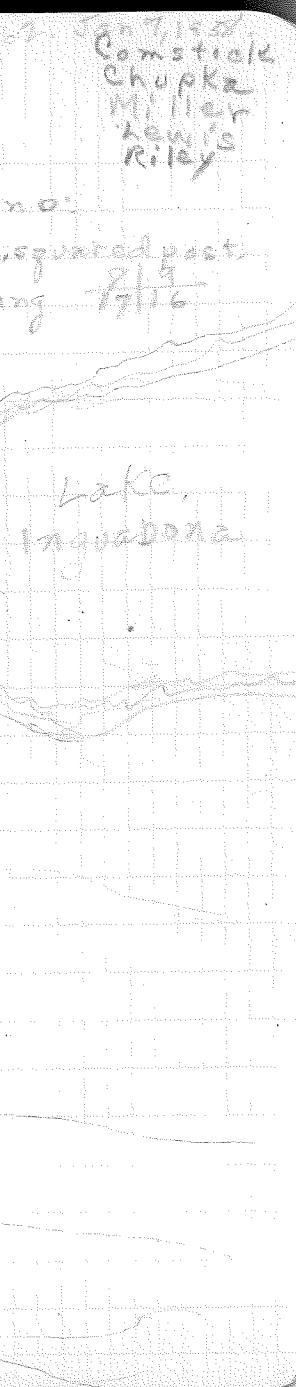
31+00ft. leave S.S. swp.

28789ft. came to S.S. swp. N.S.
27460 ft. left Balsa mtns

S.S. swp.

swp.

swp.



T 140. R 27

2400ft. leave Pine Grove.

~9481ft. crossed old long road N.E. - S.W. and entered Pine Grove.

1056ft. leave swp.

6460ft. entered spruce and hard wood timber

0+00ft. at the West

818 - 140 - 00 - 27

Jan 10 1938
Chapka - H. Chain
Wadsworth - R. Chain
Lewis - Pickats
Tucker - compass
Riley - Brush
Mills - Brush
Casper - Brush

Pine Grove

Penitentiary Mts. Boundary

SWP.

Found one B.T.
3in. post, scribbling not
readable, bearing S 87° W, app.

depth, 11.8 ft from Sec. lot.

52+80 ft. set app. ESW sec. cut. 12 | 7

72+34 ft. crossed old logging road N.S.

50 ft. less money
S80°80'N

T 140 - R. 27.

26+40

23+66 ft. leave s.s. swp.

20+35 ft. entered s.s. swp.

16+50 ft. leave spruce swp.

14+00 ft entered spruce swp.

4+70 ft. leave lake entered high land

0+00 ft. started N. towards S. 25° E. route 61° W. lake

J 21 1243 1055
Chop K 2 102 2 102
Wood 6 102 102
Trunks 1 102 102
Draw 1 102 102
P. Lewis 1 102 102
Grapes 1 102 102
Rocky - B 102 102

S. S. swp.

s.w.p.

5 8 3 5 2

W

Ridge road 2 miles west

Lake

Same party

52+80 ft. set app. K.C.W. section 23/24 continued to run West E. N.W.

52+44 ft. hit edge of drainage ditch, running parallel to line

49+50 ft. leave spruce, entered S.S.W.P.

42+50 ft. entered spruce, and leaves S.S.W.P.

40+75 ft. crossed drainage ditch N.E.

36+37 ft. crossed fence line E - S.W.

39+66 ft. entered same S.S.W.P.

S.S.W.P.

spruce
S.W.P.

S.S.W.P.

26+24ft. crossed road passable by truck
26+08ft. telephone line N.E.

24+02ft. came onto high land

10+58ft. entered S.S. swp.

16+25ft. crossed old logging road N.W.-S.E.

1346 ft. leave S.S. swp.

8+50ft. entered S.S. swp.

4+00ft. entered high land

4+69ft. Pine Ridge running parallel along line E.W.

0+00 Start west from app. cor. 23/24 26/25 140-27

same party

S.S. SWP.

5035000

S.S. SWP.

S.S. SWP.

22/23
27/26

53+248 ft. 60'nd old sc. original sec. con.

38/39 spruce

squared on 4 sides

6 ft. above ground

41 ft. south of line

44+55 ft. leave lake, entered M.G.P. swp.

Lake

33+71 ft. hit edge of lake

SPRUCE
swp

24+00 ft. entered spruce swp.

Jan 13 1938 P. 5
Chupka - chain
Wood S - chain
Tucker - compass
Lewis - Pickets
Lewis - Brasher
Riley - Brasher
Grapes - Brasher

26 ft. set stake in lake

23477 ft. entered Steamshovel again

19133 ft. leave like Steamshovel

261 ft. edge of Lake Stearns

22/23
27/26

0 + 0.4 -> total west from S. S. H. B. N. 115° T. 40 R. 27

Random flag, bearing

Lake

edge of
Lake

Same party

52480 ft set app E & W corner between S. &

2/1/22
2/1/27

in swp.

35426 ft entered M.G.R. swp.

32470 ft. leave spruce swp entered high land

30425 ft leave lake, entered spruce swp

swp.

Same party
Jan. 13, 1936.

26+40 ft.

23+10 ft. entered S.S. swp.

22+49 ft. crossed old logging road passable by truck SW-N.E.
^{1.6% grade}

9+29 ft. crossed old log bridge SW-N.E.

7+00 ft. leave M.R. swp.

S.S. swp.

58 35' W

Random Map Bearing

swp.

2/12/27
2/12/27

Other continued W-E from S.O.

SW

T140-27

7.2
same party

Found:

3 ft post squared
on two sides, 1415 ft
South of liner.

SWP

high land

SWP

20/21

29/38

19/20

20/29, in swp.

5+2 ft. set APP. E.C. W vector

47 feet S. ext. S. fed S.S. SWP

38+0 ft. leave swp, entered high land

T140 R27

26+00

25

24

23+10

22

21

20+00 ENTERED LOWLAND SWAMP.

19

18

17+00 ENTERED HIGH LAND

16+50

5+37 Fence post N of S020 E of Fence.

4+26 Fence South

13

12

11

10+00

7+15 Fence RUNS North.

7+00 ENTERED LOWLAND SWAMP

6

5+30

4

3

2

1

0+00 63+00 West from APP. Sec. Cor.

S 83° 48' W

W 2d Boundary Section
R. Personville

Long Pond
Swamp.

Jan 14, 1939
CHURKINCH
WOODS CH
BAIN AXE
MILLET COMP
CATTLE CAMP
PEASE AXE
TUCKER 100

HIGH LAND

SWAMP
SWAMP
SWAMP
SWAMP
SWAMP

RODDED BY TRUCK

15/10
3223

T140 R27

T 140 R 27

52+60 SET 3' open F.O.Y opp. SEC. COT. Blazed on one
S1 side end Keeled App. SEC. COT. E.C.W. sec. 2/2

50+00 ENTERED Highland

10450

10500

10550

10600

10650

10700

10750

10800

10850

10900

10950

11000

11050

11100

11150

11200

11250

11300

11350

11400

11450

11500

11550

11600

11650

11700

11750

11800

11850

11900

11950

12000

S 83° 10' W

jan 14 1938
50 MIL P.M. 1938

Answers
not ready

11200 8000' S 83° 10' W

11300 8000' S 83° 10' W

Second

11400

7110 R29

16+40

15

24

13+10

22

11

20

19

18

17

16+50

15+00 CROSSED OLD LOGGING ROAD NW-SE. NOT PASSABLE BY TRUCK.

14+17 CROSSED ROAD N-S PASSABLE BY TRUCK - Upgrade

13

12

11

10

9+10

8

7

6

5

4

3+30

2

1

0+00

STERED WEST FROM APP SEC. 10. 16VS 1110 R29.

S 83° W

#7.3413ND

1129, BEARING S 83° W
RAN DOWN LINE

High 2nd

Jan 14, 1938
SAME PARTY

1140 8.27

52+60 set 3" aspen 4' long for App. sec. C. O. I.
Keeler App. Sec. lot, E.C. W. Sec.

51

50

49+50

48

47

46+72 west lowland swamp

45

44

43

42+43

41+42 mixed lowland swamp

40

39

38

37

36+37

35

34

33

32

31

30

29+30

28

27

17/16
3/9/21

88 1/2 W

High water

High water section

Low water

High water

Low water

High water

Low water

South 1931
same party

26400 Set Approx 1/4 Cams.
25400 Enter Swamp Spruce & Pbs
24400 enter Jack pine

14400 enter spruce swamp
13400 set approx 16 cams.

Beds

3400 Started south from 17/10 140-27
0+10 →

look far:

W. pine $8^{\circ}N. 82^{\circ}E$ 31
Cedar $6^{\circ}S 41^{\circ}W$ 54 lks.

Ps.

Found:

Hardy pine
St. 63 E N.

26	52+13	Hit	line E + W -	Approx. Cor. Stake
26	51+00	Enter	H 2 1-5	167' E.
24				
	48+66	Enter	H 6 1-5"	
	46+60	Enter	SW + H 6	
	45+60	Enter	SW + H 6	
	44+60	Enter	SC 1-5"	
	44+00	Enter	H 2 1-5	
	41+30	Leave Jackpine enter	H m + P'	
	41+00			
14				
13	39+60	Set Approx. Vt Cor.	3" P'	
	33+56	Enter. Pj	5-9	
13	31+52			
	29+00			
A	26+40	Cor.		

IMPROVED TABLES

AND
INFORMATION

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope $1\frac{1}{2}$ to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE No. 9.

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections.

Degree of curve with a given I may be found by dividing tangent, (or external), opposite I by given tangent, (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.

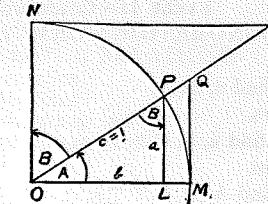


TABLE II
TRIGONOMETRIC FORMULÆ.

$$\angle A = \angle MOP \quad \angle B = \angle PON = \angle OPL \\ R = OB = c = 1$$

$$\sin A = \frac{a}{c} = \frac{a}{1} = a = \cos B = LP$$

$$\cos A = \frac{b}{c} = \frac{b}{1} = b = \sin B = OL$$

$$\tan A = \frac{a}{b} = \frac{MQ}{OM} = \frac{MQ}{1} = MQ = \cot B = MQ$$

$$\cot A = \frac{NT}{ON} = \frac{NT}{1} = NT = \tan B = NT$$

$$\sec A = \frac{OQ}{OM} = \frac{OQ}{1} = OQ = \csc B = OQ$$

$$\csc A = \frac{OT}{ON} = \frac{OT}{1} = OT = \sec B = OT$$

$$\text{vers } A = \frac{LM}{OP} = LM = \text{covers } B \#$$

$$\text{covers } A = \frac{OP - LP}{OP} = OP - LP = \text{vers } B$$

$$\text{exsec } A = PQ = \text{coexsec } B$$

$$\text{coexsec } A = PT = \text{exsec } B$$

$$\sin \frac{1}{2} A = \sqrt{\frac{1 - \cos A}{2}} \quad \cos \frac{1}{2} A = \sqrt{\frac{1 + \cos A}{2}}$$

$$\sin 2A = 2 \sin A \cos A \quad \cos 2A = \cos^2 A - \sin^2 A$$

$$\text{Law of Lines} \quad \frac{\sin A}{a} = \frac{\sin B}{B} = \frac{\sin C}{C}$$

$$\text{Law of Cosines} \quad c^2 = a^2 + b^2 - 2 ab \cos C$$

$$\text{Law of Tangents} \quad \frac{a+b}{a-b} = \frac{\tan \frac{1}{2}(A+B)}{\tan \frac{1}{2}(A-B)}$$

TABLE II—Continued
TRIGONOMETRIC FORMULAE (continued)

In any triangle:

Given a, b, C; to find c, B, A.

Use Law of Lines.

Given A, B, c; to find a, b, C.

Use Law of Lines.

Given a, b, c; to find A, B, C.

$$\text{Let } \frac{a+b+c}{2} = s, \sqrt{\frac{(s-a)(s-b)(s-c)}{s}} = r$$

$$\cos \frac{1}{2}A = \sqrt{\frac{s(s-a)}{bc}}$$

$$\tan \frac{1}{2}A = \frac{r}{s-a}$$

$$\tan \frac{1}{2}B = \frac{r}{s-b}$$

$$\tan \frac{1}{2}C = \frac{r}{s-c}$$

Area of a triangle:

$$\text{Area} = \frac{1}{2}ab \sin C$$

$$\text{Area} = \sqrt{s(s-a)(s-b)(s-c)}$$

PRISMOIDAL FORMULA.

$$\text{Vol.} = \frac{h}{6}(B+b+4M)$$

h = altitude; b, B = bases; M = midsection

TABLE III
INCHES AND FRACTIONS OF AN INCH IN DECIMALS OF A FOOT

	0	1	2	3	4	5	6	7	8	9	10	11	12
$\frac{1}{16}$	.0052	.0885	.1719	.2552	.3385	.4219	.5052	.5885	.6719	.7552	.8385	.9219	$\frac{1}{16}$
$\frac{3}{16}$	.0104	.0938	.1771	.2604	.3438	.4271	.5104	.5938	.6771	.7604	.8438	.9271	$\frac{3}{16}$
$\frac{5}{16}$	.0156	.0990	.1823	.2656	.3490	.4323	.5156	.5990	.6823	.7656	.8490	.9323	$\frac{5}{16}$
$\frac{7}{16}$	.0208	.1042	.1875	.2708	.3542	.4375	.5208	.6042	.6875	.7708	.8542	.9375	$\frac{7}{16}$
$\frac{9}{16}$	.0260	.1094	.1927	.2760	.3594	.4427	.5260	.6094	.6927	.7760	.8594	.9427	$\frac{9}{16}$
$\frac{11}{16}$	.0313	.1146	.1979	.2813	.3646	.4479	.5313	.6146	.6979	.7813	.8646	.9479	$\frac{11}{16}$
$\frac{13}{16}$	.0365	.1198	.2031	.2865	.3698	.4531	.5365	.6198	.7031	.7865	.8698	.9531	$\frac{13}{16}$
$\frac{15}{16}$	.0417	.1250	.2083	.2917	.3750	.4583	.5417	.6250	.7083	.7917	.8750	.9583	$\frac{15}{16}$
$\frac{1}{8}$	.0469	.1302	.2135	.2969	.3803	.4635	.5469	.6302	.7135	.7969	.8802	.9635	$\frac{1}{8}$
$\frac{3}{8}$	.0521	.1354	.2188	.3021	.3854	.4688	.5521	.6354	.7188	.8021	.8854	.9688	$\frac{3}{8}$
$\frac{5}{8}$	.0573	.1406	.2240	.3073	.3906	.4740	.5573	.6406	.7240	.8073	.8906	.9740	$\frac{5}{8}$
$\frac{7}{8}$	.0625	.1458	.2292	.3125	.3958	.4792	.5625	.6458	.7292	.8125	.8958	.9792	$\frac{7}{8}$
$\frac{9}{8}$	.0677	.1510	.2344	.3177	.4010	.4844	.5677	.6510	.7344	.8177	.9010	.9844	$\frac{9}{8}$
$\frac{11}{8}$	.0729	.1563	.2396	.3229	.4063	.4896	.5729	.6563	.7396	.8229	.9063	.9896	$\frac{11}{8}$
$\frac{13}{8}$	.0781	.1615	.2448	.3281	.4115	.4948	.5781	.6615	.7448	.8281	.9115	.9948	$\frac{13}{8}$
$\frac{15}{8}$	.0833	.1667	.2500	.3333	.4167	.5000	.5833	.6667	.7500	.8333	.9167	.1000	$\frac{1}{1}$
	0	1	2	3	4	5	6	7	8	9	10	11	

TABLE IV
USEFUL RELATIONS.

Lineal feet	$\times .00019$	= miles
Lineal yards	$\times .0006$	= miles
Square inches	$\times .007$	= square feet
Square feet	$\times .111$	= square yards
Square yards	$\times .0002067$	= acres
Acres	$\times 4840$	= square yards
Cubic inches	$\times .00058$	= cubic feet
Cubic feet	$\times .03704$	= cubic yards
Links	$\times .22$	= yards
Links	$\times .66$	= feet
Feet	$\times 1.5$	= links

$$360^\circ = 21600' = 1296000"$$

$$\text{Radius} = \text{arc of } 57.2957790'$$

$$\text{Arc of } 1^\circ (\text{radius} = 1) = .017453292$$

$$\text{Arc of } 1' (\text{radius} = 1) = .000290888$$

$$\text{Arc of } 1'' (\text{radius} = 1) = .000004848$$

$$\pi = 3.141592654$$

$$\sqrt{\frac{1}{\pi}} = 0.564190$$

$$\frac{\pi}{4} = 0.785398163$$

$$\sqrt[3]{\frac{6}{\pi}} = 1.240700982$$

$$\frac{\pi}{6} = 0.523598776$$

$$\pi^2 = 9.869604401$$

$$\sqrt{\frac{4}{\pi}} = 1.128379167$$

$$\frac{1}{\pi^2} = 0.101321184$$

$$\frac{\pi}{12} = 0.523598776$$

$$\sqrt{\pi} = 1.772453851$$

$$\frac{4\pi}{3} = 4.188790205$$

$$\frac{1}{\pi} = 0.3183099$$

Curvature of Earth's surface = about 0.7 feet in 1 mile

Curvature in feet = 0.667 (Dist. in miles)²

Difference between arc and chord length, 0.05 feet in 11 $\frac{1}{2}$ miles

$$\text{Probable error of a single observation} = 0.6754 \sqrt{\frac{\Sigma v^2}{n-1}}$$

Error in chaining of 0.01 feet in 100 feet:

Due to—

1. Length of tape error of 0.01 feet
2. Alignment. One end 1.4 feet out of line
3. Sag of tape at centre of 0.61 feet.
4. Temperature difference of 15°
5. Difference of pull of 15 lbs.

STADIA REDUCTION FORMULÆ.

$$\text{Horizontal Distance} = R - R \sin^2 a + C \cos a$$

$$\text{Vertical Distance} = R \frac{1}{2} \sin 2 a + C \sin a$$

$$R = \text{Reading} \times \frac{\text{distance from Object glass to cross hairs}}{\text{distance between cross hairs}}$$

$$C = \text{distance from Object glass to cross hairs} + \text{distance from Object glass to center of instrument.}$$

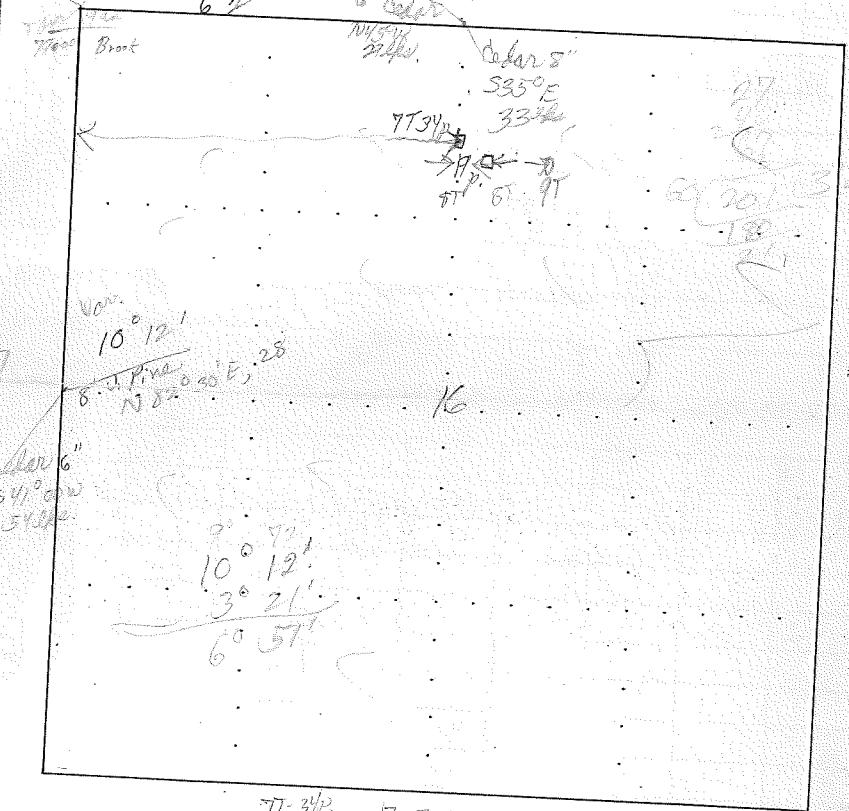
$$a = \text{angle of elevation for mid Reading}$$

*9055
9055
3034*
DIVISION OF FORESTRY
MAP SHEET

40 SEC 16 TWP 140 R 27

AREA *#4* MAGNETIC DECL 6° DATE *June 18/40*

COMPASSMAN ESTIMATOR

TOPOGRAPHY

Level	<input type="checkbox"/> A.	Sand	<input type="checkbox"/> A.	Free	<input type="checkbox"/> A.
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Gentle slope	<input type="checkbox"/> A.	Sandy loam	<input type="checkbox"/> A.	Stony	<input type="checkbox"/> A.
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Steep slope	<input type="checkbox"/> A.	Clay loam	<input type="checkbox"/> A.	Very stony	<input type="checkbox"/> A.
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Mountainous	<input type="checkbox"/> A.	Peat	<input type="checkbox"/> A.	Rock outcrop	<input type="checkbox"/> A.
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Special use if any: _____

SOILSTONE A. A. A. A. A. A. A. A.