

58  
THE  
ATLAS SERIES

Number  
1001



Pocket Note Book

Jan 12 - 1922

①

134-28

9-16?

E 1/2 Sec 16 S. 9+10

Q E & W fence

square up a 2 inch poplar for  
temp 1/2 sec.

Pop. 2 S 53° W 1 step

Pop 2 N 69° W 3 1/2 "

dat 8° E

Harold J. Caro.



(2)

Jun 12 + 922  
134-28

9-16?

V4. Corner pit/less 9+10  
3 x 3 x 36" oak. post for temp

14' corner

P. 7 N  $72^{\circ}15'E$  6 steps

P. 6 S  $11^{\circ}45'E$  5 steps

8° Var.

H. J. C.

(3)

Jan, 12-1922

13 4-28

9-16

P.A.C. Set up 9810

@ 330 steps pit M.C.

2 E & W Fences

2x2x36" pine fence post for cor

Allen 2 N 75° E 7 steps

" 2 S 69.30° E 10 "

H & C

8 Var.

④ Jan 12 1922

134-28

S/V come 15 & 16  
3x3x24" post

Van 8° E

Willow 3N 37°30' W 12 steps

Fine Post 3N 60° E 13 "

H. J. C.



Jan 12, 1922

~~134-28~~

~~V4 bet Secs. 15-16~~

~~Q of N 88° E fence fence mark~~

~~Set 2x2x24" stake~~

~~Var 8° E~~

~~Fence post 5° N 79° E 7 steps~~

~~Pop 3 S 63° 30' W 23 "~~

~~H. J. C.~~

Jan. 12, 1922  
134-28

South of Lees 15-16  
@ NW. & N & S Fence  
2x2x24" stake old fence post  
Var 80' E

Pop 3 N 41°30' W 4' steps  
" 3 N 53°45' E 5' "

Hyd R.

Jan 12 - 1920

134-28

See corner corner to Decs 15-16-21-22

2 X 2 X 18" poplar

Var. 8' E

Pop 45° 30' W 1 step

" 55° 39' E 1 "

" 2 N 23° W 1 1/2 "

" 8 N 38° 45' E 2 steps



Jan 12/922  
134-28

N 1/4 Cor bet 21-22

@ N 45° E fence

3x3x36" pop stake

Pin 6 S 35° E 6 steps

Rock 18 S 13° W 10 "

Var 8° E

H. J. C.

Jan 12 1922

134-28

$\frac{1}{4}$  cor bet. Secs. 21-22

2x2x18" stake set by fence corner post.

Fence goes N & W of fence post E

P 12 S 45° W 32 steps

" " S 67° 30' E 9 steps

Var 80° E

H. C.

Jan 13-1922.

134-28

~~M. R. N. side of lake  
Set No. 26-27  
Set 60<sup>th</sup> spike for cor  
Var 80<sup>th</sup>~~

~~P. 3 $\frac{1}{2}$  N 58° W 25 $\frac{1}{2}$  steps  
" 2 N 52° 30' E 19 "~~

76.5 ft  
57 ft

160 steps from N 1/4 cor.

H. J. Co.

325



Jan 13 1922

134-28

M.C. <sup>on ice</sup> bet. Secs 26-27

bet 60' <sup>spike</sup>

Var 8° E

Oak 68.41 E 7 steps

.. 68.82° W 9 steps

Hf. e.

167 steps from S 1/6 cor  
on ice

Hf. e.

Jan 13-1922

134-28

Sec cor. 26-27-34-35'

Back 3 N 32° E  $1\frac{1}{2}$  steps

G.P. 7 N 55° W  $1\frac{1}{2}$  "

" 7 S 15° W 5 "

" 6 S 30° E 3 "

drive 40' d. spike

Vol 8° E

H.J.C.

315

Jan 14 1922

133-29

N<sup>1</sup>/<sub>16</sub> Cor. bet 23-24

Var 8° E

S.P. 4 N 31° W 12 steps

" " 4 N 21° 15' E 14½ steps

2 N & S Fines & Fines coming  
from the East

60 d. spike for core

H. J. C.



Jan 14 - 1922  
133-29

1/4 bet. Secs. 23-24

At 60 ft spike on what  
looks to be an old cut out  
line N & S

@ Var 8° E mark

S P 3 S 27° 45' E 1 1/2 steps

S P 5 S 21° 30' W 2 steps

H & C.

1/4 bet. Secs

find 4x4x8 oak stake  
at price cone line runs S & E  
mark runs B T is

A pin 3 N 23° E 1 1/2 steps

" " 5 S 68° 30' W 5 steps

H & C

8° Var.

~~Jan 14 - 1922~~

~~733-29~~

~~S 1/16 Cr 23-24~~

~~60<sup>a</sup> spike~~

~~Var 8° E~~

~~H. T. Line pole 24 S 77° 45' E 21-22~~

~~F Post 3 S 1° 30' W 19 steps~~

~~H. J. C.~~

Jan 14 1922

133-29

Cor to Seco 23-24-25-26

60 ft spike

Dar 80° E

J.P. 3 S 52° 30' E 3 1/2 steps

Oak 5 N 88° E 3 steps

" 3 S 36° 30' W 4 steps

J.P. 2 N 53° 30' W 4 1/2 "

H.G.R.



Jan 14-1922

133-29

25-26-Mc.

M.C. 160 steps N side of Missis-  
sippi river bet hcs 25-26

J.P. 5 N 30° 30' E 12 steps

" 14 N 51° 30' W 20 steps

24x24x24" rock.

H.J.C.

Jan 15 1922  
133-29

Wit S  $\frac{1}{10}$  cor. bet Secs 10-11  
325 step N of point of corner  
Set 60" spike  
Var 8° E

Pop 4 N 67°30' E 32½ steps  
Pav stump 6 N 29°30' W 42 "

H. J. C.

Jan 15 1922  
133-29

1/4 bet Secs 10-11  
Set 60 ft Spikes

8° Van

+3.5°

S.P. 10 N 58° 45' E 14 1/2 steps

" " 10 N 54° W 5 11-15°

H.F.C.

42  
15  
427

328



Jan 15 1922  
133-29

N  $\frac{1}{4}$  Cor. Set Secs 10-11

Set 60" spike

Var 8° E

J.P. 8 N 24°45' W 20 steps

" " 6 N 45°15' E 20 "

H.J.C.

Jan 15 1922

133-29

Conto Recs 10-11-23.

Set 60<sup>d</sup> spike

8<sup>h</sup> Vars

JP. 4N 75° W	11 <sup>-33</sup> steps
" 3N 62° E (58.5)	19 1/2 <sup>58.5</sup>
" 13S 17° 15' W	14 <sup>-42</sup> (42N)
" 5S 41° 30' E (82.5)	27 1/2

H.J.C 800

317

Jan 15 1922

133-29

S. 1/4 cor. Det. Secs 2-3

Var 8<sup>th</sup> E

Det 60<sup>th</sup> spike for M.C.

Oak L.S. 71045<sup>th</sup> E 7 steps

" 45 710 W 8 "

H.G.C.



Jan 15-1922

133-29

100 steps N set M.C. S side of lake

60° spike but Secs 2-3

Jan 8° E

A.P. 3 S 59° E 7 steps

" 2 S 72° W 6 "

H.G.C.

374

Jan 15 - 1922

133-29

M.C. Secs 2-3

163 steps W of N  $\frac{1}{4}$

at M.C. North side of lake

cherry 3 N  $33^{\circ}$  E 2 steps

"  $1\frac{1}{2}$  N  $62^{\circ}30'$  W 2 "

H.C.

Jan 13-1922  
133-134-29

Corner to Secs 2-3-34-35-

P 12 N 29° 15' W 3 steps

4 = 13859° W 3 "

" " 10840° 13' E 4½ "

" " 4 N 48° 15' E 10½ " 31.5 "

60° spike

H.A.C.

8° W

328



Jan 15 - 1922

134-29

5  $\frac{1}{16}$  bet Secs 34-35

Pip. 2 N  $15^{\circ}$  E 8 strips

" 2 N  $7\frac{1}{2}^{\circ}$  W  $6\frac{1}{2}$  "

60 d. spike

Var  $8^{\circ}$  E

H.J.C.

Jan 13-1922

134-29

1/4 bet Secs 34-35-

F. Post W. bet 4 1/2 steps

oak 12 N 40 E 5 "

fence cor.

Var 8° E 60 ft. spike

H. P. C.

317

Jan 15-1922

134-29

Cor to Accs 26-27-34-35

S.P. GN 52°W 5 steps 12

" " GN 34°30'E 4 1/2 "

" " 55°56'15"W 7 1/2 "

" " GS 56°30'E 4 1/2 "

8° Vane

H.C.

374



Jan 15-1922

134-29

S<sup>th</sup> bit No. 26-27

60° dip

8° Var E

G.P. 3N 39° 45' E 3 steps

" 1" 3N 44° 30' W 2 "

H. J. C.

Jan 15 1922

134-29

N 1/2 Sec 34-35

60 d. spec.

8° Var

Tan. 2 N 57° 30' W 1 1/2 stop

" 3 N 30° 30' E 2 1/2 "

Hg C

659  
39

Jan 15 1922

134-29

1/4 bet Secs 26-27

Bench 14 N 40° 38' W 1 1/2" top

spine 4 N 61° 43' E 4 1/2 "

60" spike

Var 80° E

H. J. C.

317



Jan 13-1922  
134-29

N 1/4 Sec 26-27

Set 60 ft. sink for cor.

Var 8° E

Pop 6 N 22° 45' W 4 1/2 steps

" 8 N 49° 45' E 3 1/2 steps

H. J. C.

Jan 13-1922

134-79

~~@ 460 N of N 1/4 of come out  
at old SW 1/4 B.T. and  
walk east to N 1/4 of a post  
since post all set but no  
wire from last post south  
I mark B.T.~~

July 14-1922

Sec 34 & 35 T 45 R 30  
1/4 Cor.

Pat. 5 N 25° 45' E 40.7

Pat 3 N 56° 45' W 39.4

3/4 X 10" I.M.

E N & S Road. Line fence west.

8' Cor.

377



July 14-1922

4/8/22 35836-45-30

PIP. 3N40°30'E 30.95

FP 4N59°30'W 24.5

2 NTS Road.

693

Jan 15 1922  
134-29

Sec Cor. Corto Secs. 22-23 26-27

Var 8° E

8" pine post new for cor spike at  
N edge, in ground

The S E & S W C.B.Ts. stand  
4 ft high and plainly marked

C.B.T. J.P. 12 S 54° E 42 inches?

O.B.T. J.P. 12 S 54° 30' W 19 1/4 ft ?

J.P. 12 N 44° 15' E 8 1/2 x 42 inches = 29 ft

Mon P. stump 15° N 42° 30' W 7 x 42 " = 24.5

This corner sets 460 steps North  
of N 1/16 cor let Secs 26-27

H.J.C.

327

Jan 15 1922

134-29

S 1/2 Cor bet 22-23

60 d. spike

0 or 80°

LP 4N 630 16" W 2 steps  
44 4N 590 30" E 3 "

H. J. C.

375



Jan 15 1922  
134-29

1/4 bet Secs 22-23

60 ft. spike

Var 80 ft

J.P. 5 N 43° 30' W 2 steps

" " 4 N 85° 45' E 2 "

H.C.

317

Jan 16 1922

134-29

N 41° E cor to base 22-23

60 d. strike

Var 8° E

up to 5 N 26° W 5 steps

" 8 S 40° E 8 "

H. J. C.

Jan 15 1922

135-29

S  $\frac{1}{4}$  Corbet Secs 34-35-

S E corner of fence spikes  
in ground at base of fence post  
Var  $80^{\circ}$  E

Oak 3 S 40 W 4 steps

J.P.  $1\frac{1}{2}$  S  $85^{\circ}$  E 3 "



Jan 15 1922

133-29

81 steps N of south  $1/16$  cor  
Set M.C. set No 34-35

60<sup>d</sup> spike

Var 8° E

Alder 3 S 38 W 6 steps

" 2 S 20 E 8 steps

H.G.C.

375

Jan 15 1922

135-29

N side of lake bet sec 34-35

@ 347 over lake set me

spike 60' N 45° E 2 steps

" 60' N 45° W 2 "

Var 8° E

Set 60' spike

H. J. C.

Jan 15 1922

135-29

V4 bet Secs 34-35-

spike 60 ft. for corner

Var 80 E

perimeter 3 N 80 W 4 steps 12.0 ft

stamp 6 N 14 E 3 steps = 9.0

H. J. C.

326



Jan 15 1922  
135-29

N  $\frac{1}{2}$  lot 34-35

60 d spike

Var 80 E

Bunch 4 N 20° 15' E 1  $\frac{1}{2}$  steps

J.P. 3 N 33° 043' W 9 steps

H. J. C.

Jan 15-1922

135-29

Set No 34-35

391 set M. C. on Gull Lake

60 d ipi hi

Var 8° E

Oak 12 S 38 W 6 steps

Oak 3 S 42° E 6 steps

H. J. C.

315

July 14-1922

Sept 185 44-30

Stone 24 N  $21^{\circ}13'$  E 34.1

post 3 N  $56^{\circ}50'$  W 24.6

2 N & S Road Line fence E  
 $3/4 \times 10''$  I. M.

377.



July 14-1922

1/4 sec. 14 + 12 - 44 + 30

Oak. 10 N 78° 30' E 26, 2

Pap. post. 3 N 49° 30' W 34, 25

± N + S Road  
Line fence East-

3/4 X 10' S. M

377

July 14-1922

Up but 11814

441-38

Fence post 5 S 41° 45' E 35.7  
" " 4 N 46° 15' E 40.3

34 x 10" L.M.

Q E & W Road

Linsford North.

395

July 14-1925

$\frac{1}{4}$  sec. 14 & 15

44-30

Cor 14 S  $6^{\circ}30'$  W 35.1 O.B.T.

1- post 35  $42^{\circ}15'$  E 30.1

EN & S Road

$\frac{3}{4}$  x 10" T.M.

377



July 14-1922

24 feet 22+23 44-30

Oak post 6 N 29° ~~40'~~ E 34. 2  
" " 4 N ~~54° 54'~~ W 86.  
N 55° W

EN & S Road

3/4 X 10" Im.

80 Van

378

July 14-1922

M.C. bet. 22 & 27 44-30

post. 3 N  $18^{\circ} 15'$  W 23.9

post 3 S  $73^{\circ} 20'$  W 48.7

E & W Road

100 ft from lake

$3/4$  N  $10^{\circ}$  W 22.1

394

July 14-1922

U.S. 20829 44-30

Cherry 2 N 21° 30' W 35.7

Top 0.5 S 37° 10' W 21.7

Q E F W Road Private Road N  
Line from South  
3/4 X 10" J.M.

378



1/4 lot 19430-44-30

Post. 5N 72° 15' E 86.6

post 38 21° 15' E 53.75

Q. E + W Road.

fence South

3/4 x 10" Jm.

80 Var.

378

July 14 - 1932

1/4 bit. 30 & 31 44-30

Starve ~~24~~ ~~N~~  $58^{\circ}45'E$  25.7  
Fpos ~~45~~ ~~42~~  $50'E$  43.9

~~M~~  
Q E & W Road  
 $3/4 \times 10"$  Drill.

80 for

July 14-1922

4 pits 32 & 33. 44-38.

Spot 4 N  $53^{\circ}20'E$  34.75.

Spot 5 N  $60^{\circ}W$  28.1

3/4 X 10" Jar

Line from W of Tel Line E

Q N & S Road

Var  $7^{\circ}30'E$

378



July 14-1922

395

Cor to 4,5-3233 48-44-30

Post 4 N 43° 30' E 39.5

1x10" IN N 50° W 25.8

" " S 50° W 17.8

JP85 77° 20' E 41.2

3/4 x 10" J.M.

Q N & S Road

Livingstone East-

70 30° E

July 14 - 1922

Sept 485 - 43 - 30

Pine Swamp 10 N 53° 10' E 24.6  
Post 1 N 89° W. 27.0

3/4 x 10" L.P.M.

Line from W & N + S Road

378

July 14-1922

Cor to 4-5-8+9 - 43-30

Foot 15 N 61° 30' E 43.6

" " 6 N 70° 30' W 43.2

" " 6 S 70° 45' W 43.4

" " 5 S 83° 35' E 39

to Road N & S

9 ft. South of main Run E 00

9 ft. North " " " " West

26.5 to Old Cor Station by Herring

1/2 section of white. Snake

to 564° 0' E



July

1/4 bet. 849 - 43-30

T-pole 6 N 53° 50' W 29.5  
Twin Oak 45 67° 20' E 52.2

34 X 10" J.M.

2 Rand N.S.  
no names

378

July 14-1922

1/4 sec 10 & 13 - 4/3 - 30  
See Flat Lake Book 2nd

H. J. C. &  
D. L.

July 14-1922

4/16/12  $\begin{array}{r} 43 \ 30 \\ \hline 74 \ 20 \end{array}$

Ash 25  $57^{\circ}20'W$  12.4  
Willow 28  $29^{\circ}20'E$  17.2

C Road N & S. Longfellow East  
15 ft N of 6 ft Culvert.  
 $3/4 \times 10''$  I.M.

379



July 14-1922

43-30

1/4 Sec 2 & 2

44-35

Oak 4N 60° W 57.8

Twp 6 S 39° 28' E 24.2

$\frac{3}{4}$  X 10" J-M

2 Root N+S.

379

July 14-1922

Sept 14 36 43-44-30

F Post. 3N 27° E 36.3  
~~Chad~~ S 23° E 28.8  
Basswood

L Road E + W

go Var

Carot Baberch

394

July 14 - 1923.

1/2 hr 5432

43-44-29

cont. to 6 N  $7^{\circ} 40' W$  31.9

Top 5 S  $41^{\circ} 20' E$  34.0

Q Road E & W

3/4 E + 3/4 W of line N & S.

$7^{\circ} 30'$  Var.

379



58.

TRANSIT BOOK

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8.

43

Return this book to  
John W. Cuss-  
waiken,  
Minn.



① INDEX ①

Baldwin Donner Scott Miller  
Coons

Baldwin's Survey Secs 2-3-10, 138-31

# 297

Page 2-14

Sec 7, 141-31 Donner, Miller, Scott, Coons,

Baldwin, Curo

Page 14-86



Thursday April 8<sup>th</sup> 1915

2 P.M. received telegram from  
John W. Curo Walker Minn.  
Took the 7.40 P.M. Nor. Pac.  
train from Minneapolis to  
Walker. Ry Fare \$3.80

Friday April 9<sup>th</sup> 15

Ar. Walker 3 A.M.

Took room 17 Chase Hotel  
sleep till 7 A.M. Curo & I work  
all day in Office preparing  
nursery field notes for  
Sec. 2-03610- T13B R 31

Fixed box for Camp stove.  
rolled up tent & tagged for  
shipment. Painted picker  
Curo takes night train to  
Hackensack, taking additional  
Camping Outfit. I am to  
follow to Baudus on the  
morning train. Spend night  
at Chase Hotel.

N. J. Baldwin

③  
Saturday

③  
April 10<sup>th</sup> 1915

Leave Walker on morning train 9.25  
A.M. M & I. Ry Fare .44<sup>¢</sup>  
Ar. Backus



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Bull Moose Trap  
138-31

Its surveyed by Roy E Bryant

Friday May 7-1915

Mr Curo has telephoned O W Hanks Chairman Town Board of Bull Moose Trap, that, I am to run a few road lines for them as

Lv camp 7-30 AM. with O W Hanks & team K & E tract 200' laps.

belonging to Curo  
to Wm Kinnies farm Sec  
24-138-31 at 10-30 AM.

Town Board meet at Kinnies where I get my dinner and am to board.

PM

The road to be surveyed runs from the S.E. Cor of Sec 24-138-31. These miles went along the south bdy of Secs 22-23-24-138-31

We go to the iron monument previously established by Curo at S.E. Cor of Sec 24 being the NE

297

Roy E Bryant



May 7-1915 could @ Bull Mountain 297.5  
Coi of Ser 25-138-31

from which we ran West  $49^{\circ}30'$  E  
Hm Kinnis flag & by Wm Walkurst  
by & Chain

Bryant Transitions & Chain

at 1617.60 hut on West side of  
meadow. @ 1960.90 Hut

Double center. Chain to 2400  
Rain begins at about 3. PM and  
we quit for night

Roy C. Bryant

297

① 297

③

Bull Moose Trip 135-31

Saturday May 8-1915

Continue West same crew

@ 2640 Hat near  $\frac{1}{4}$  bet 24 & 25  
where US notes call for post and  
Spruce 8N 56° W 45

WP 24S 32W 90

All are gone and we continue West

@ 3464.00 Hat double early

45 74.60 " " "

① @ 5280 Hat True Cor Acts  
North 75.50 ft

At this point On to 23-24-25-26-138-31

US Notes call for Turn 8N 54  $\frac{1}{2}$  E 170 = 112.20

Turn 8S 85E 200 Lks = 132.00 ft

We find turn 8S 85E 132.00 ft which  
checks for course and distance  
with an old post previously set by  
Crew for the true corner

Quit for dinner

to correct back.

5280.00 goes N 75.50 ft. True Sec. Cor.

45 74 " " 65.30 ft. True Line

3960 " " 56.60 " "  $\frac{1}{6}$  Cor.

3464 " " 49.50 " " "

3748.20 " " 53.50 " " "

2640 " " 37.70 " "  $\frac{1}{4}$  Cor.

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Roy C. Bryant



Ball Moore

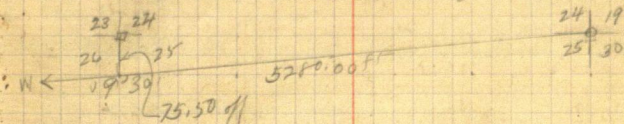
138-31

May 8-1915 contd (2)

1960.90 gns N 28 ft.

1617.60 " " 23. true line 297'

1320 " " 18.80 true  $\frac{1}{4}$  Cor.



From the corner to Secs 23-24  
25-26 - 138-31 we run west  $09^\circ$   
about  $\frac{3}{4}$  mile and got chained and  
quit for night still staying  
at Jenkins.

Sunday 9 - 1915

did not work on Sunday all day  
at Jenkins.

Monday 10 - 1915

Jenkins to Kennys on P.M. train.

Troy E. Bryant

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Bull Mt. Sec. Twp 138-31

Tuesday May 9 - 1916

Kinney & I hunted about  $\frac{3}{4}$  mile  
of line in am.

P.M.

Bryant Kinney William & John  
Walkewick. Harry Gunnisonworked in P.M. beginning @ 23-24  
25-26 - 138-31. Chain West on  
transit line 273 enter Pine River  
295 leave same, which runs S.W.704.50 Hub 1126.50 Hub 1906.10 Hub  
2562.20 hub 3280.20 hub 5886.40 hub  
4333.10 hub 4766. enter Holbrook  
Crest NW @ 4775 leave Creek. 4796 hub  
Creek. N.E. 4810 Lv. Creek. 5280 Pin.@ 5280.30 Cor to Sec 22-23-26-27. Cor  
Set North 19.40 ft.

At this point U.S. Meas. call for

N.P. 14 S 27 E 83 L.K.S. 54.78

N.P. 8 N 7 W 31 L.K.S. 20.46

N.P. 8 S 15 W 66 L.K.S. <sup>42.50</sup> N.P. 20 S 45 E 150.99we find 20 rods N.P. from  
which we set the cor. Post.

To Correl. Back.

704.50 gain N 2.50

297

Troy B. Bryant

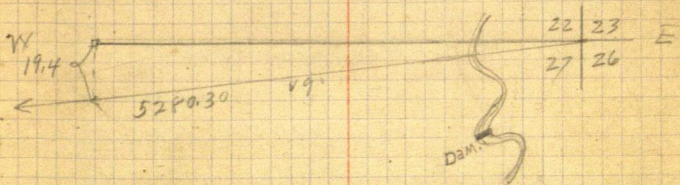
6 Bull Moose  
138-31

297

May 11/14/15 Contd

1126.50 gold N 4.10 true line.  
1320 " N 4.80 true line.  
1906.10 gold N 7.00 " "  
2560.20 gold N 9.40  
2640 " N 9.70 " "  
3280.20 " N 12.10 " "  
3886.40 " N 14.30 " "  
3960 gold N 14.60 " "  
5280 " N 19.40 " Cor of Sec 22-23-24-27

(.003674)



Roy E Bryant

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297

Wednesday May 12-1915

Same Crew

Beg @ Co. to 22-23-26-27-138-31

Run West 10° Var

At 715.20 Hub 1320 Hub 1765 Hub  
 2640 Hub Cut 1/2 about 3960 and  
 Quit for night Still with Kinn

Thursday May 13-1915

Same crew continue West

At 3251.10 Hub 4048.40 Hub  
 4551.90 Hub 4615.60 Hub HP "H"  
 on East side of Lake

I cause a hub to be set on West  
 side of Lake marked Hub "B"  
 and from Hub "H" focus theodolite on  
 Hub "B" and turn 60° to "L"  
 run 771.70 ft to Hub "O" over which  
 I set transit Back sight on  
 Hub "H" <sup>approximately</sup> turn theodolite 60° to  
 R<sub>1</sub> and run out to a point  
 intersecting our true longitude  
 line at a point West of Hub "B"  
 Hub "B" only used to find

297

Roy E. Bryant



# Time sheet Bull Moose Road Survey 188-31

May 19/5

	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	Sun									Sun				
Roy E Bryant Engineer	1	1	0	0	1	1	1	0	1	0	1	1	$\frac{1}{2}$ AM	
Wm Kimmel Jr Chem	1	1	0	0	1	1	1	0	0	0	1	1	$\frac{1}{2}$ PM	
Wm Walquist	1	1	0	0	$\frac{1}{2}$ PM	1	1	0	0	0	0	0		
Olaf Hendest Team	$\frac{1}{2}$	0	0	0	0	0	0	0	0	0	0	0		
John Walquist	0	0	0	0	$\frac{1}{2}$ PM	1	1	0	0	0	0	0		
Ottavo Jensen	0	0	0	0	$\frac{1}{2}$ PM	1	1	0	0	0	0	0		
Bones with horse Bryant	1 1/2	1 1/2	0		1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	$\frac{1}{2}$ PM	
Team Wm Kimmel														

Roy E Bryant

297

297

12) May 13-1915 <sup>erred</sup> Bull Moose 138-31

297 point of intersection but  
measurement not taken to Hat B"  
4615.60 added to 771.70 =  
5387.30 West to Hat "D" run  
Lake

At 5387.30 West the corner  
to 21-22-27-28-138-31 sets  
South 57.00 feet  
To Corner Back

5387.30 goes South 57.00 //

4615.60 " " 48.90

4551.90 " " 48.20

40481.40 " " 42.90

3960 " " 41.70 + W to 4040

2640 " " 27.90 + W " 2687.10

3251.10 " " 34.00

1765 " " 18.70

1320 " " 13.90 + W to 1346.70

715.20 " " 7.50

At the Co to 21-22-27-28-138-31

US Notes Call for Part +

Tam 4 N 47 W 6 L 43

" 6 N 22 E 13 "

" 12 S 87 W 35 "

297 " 6 S 52 E 22 =

found all lines  
one down  
Found post which  
checked.

Roy O Bryant



10 Bull Moose  
138-31

13

May 13-1915 continued

297

Reg @ 21-22-27-28-138-31

run South 7°45' on same curve

@ 140.70 Hat on top of hill

955.50 "

1320 "

2000. Hat

2040 "

Out for night

Still with Kinn

Friday May 14-1915

Did not work Rain

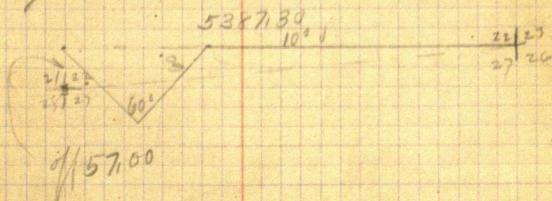
Saturday May 15-1915 rain

No work

Sunday May 16- " "

Monday May 17<sup>th</sup> 1915

Bryant and Kinn's work all day  
Correcting line as given on page 4 & 6



297

Toy E Bryant



14

① Bull Moose

297

138-31

Tuesday May 18 - 1915

Wm Kinnis & I correct up balance  
of line as given on page 9 and 6.  
All day - Still with Kinnis  
Kinnis takes her team

Wednesday May 19<sup>th</sup> 1915

Kinnis & team drive Bryant  
and sunny outfit back to Cus's  
Camp at Pleggenhull farm on  
Sec 2-138-31

I work in P.M. for Cass Co in  
Survey of Sec 2-3-10-138-31

Thurs May 20 - 1915

Bull Moose Trap Board meet at  
Chas W Hawk and I lay off in P.M.  
walk to Hawk's and put in my bill  
for 8 1/2 days @ \$42.50 as there is a  
5% discount they draw my check  
for \$44.64

297

Troy Bryant

16

①

Sec 7-141-31



Sec 7-141-31

Time Sheet.

Time Sheet August 1913

	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0				
John W. Curo	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Nali Palmer	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0				
Grandest Bull	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0				
Ed Palmer	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0				
Ernest Tuley	0	0	0	1	1	1	0	0	1	1	1	1	1	0	1				
Howard E. S. S. S.	0	0	0	1	1	1	0	0	1	1	1	1	1	0	1				
Geo W. Miller									1	1	1	1	1	0	1				
Tricals									6	9	9	10	12	0	1				
Nick Harg																			
HC Hager																			

(2)

17



Got of H.C. Hager  
10 lbs butter.

16 eggs.

1 pk. old potatoes.

2 qts. milk.

5 eggs.

10 qts milk

6 qts milk

Sec. 7 - 141-31 swam  
 August 5-1915 For Cass County.  
 A.M.

Work with Baldwin  
 P.M.

Giordani's auto takes Cuss, J.  
 Ernest Duster and Howard  
 Swanberg to H.C. Hager's place  
 from Baldwin's camp.

We unload our goods at  
 Hager's where we are intending  
 to camp in the new house.

We walk to the  $\frac{1}{4}$  corner  
 on the West side of Sec. 15-141-31  
 where we find a 3" post set for  
 the true  $\frac{1}{4}$  sec. corner and a  
 tall stub marked  $\frac{1}{4}$  S. B.T.

We set over the 3" post and  
 look for the U.S. B.T. 5. we  
 find the Y.P. stump in the  
 So. W. which checks for course  
 and distance but badly burnt  
 by fire where the old B.T.  
 was placed. Tall sugar bears.

S  $73^{\circ}30'$  E 15.0 ft. to the true  $\frac{1}{4}$  sec.  
 corner on S. side Sec. 15-141-31.

J. A. Houser,



(20)

5

Sec. 7-141-31. warm.

Aug. 5, 1915 P.M. Continued.

We walk back to H. C. Hagen and copied necessary field notes. Cur goes back to Walker with auto and the crew fix up camp.

Supper and over night with H. C. Hagen.

Aug. 6, 1915 Cont. for Cass County.  
A.M.

Hagen, Tusler, Swanberg and I walk to the true  $1/4$  Sec. corner on the West side of Sec. 10. from which we run Nor  $92^{\circ} 25'$

@ 3+ 83.6 set Hub

@ 9+ 231 " "

@ 13+ 20.05 " "

@ 24+ 96.1 cross S. N. R. Ry.  
@ 28+ 62 " County Road.

@ 29+ 57.8 set Hub

Dinner with Hagen.

P.M.

We continue north.

Hagen goes out to put up

J. P. Lommer



Sec. 7-141-31

hot

Aug. 6, 1915 Continued.

P.M.

his hay. We cont. North.

@ 37+56.50 set Hub

@ 39+15.35 " " cross County Road.

We continue about 100 ft and  
quit for night with Hager.

Aug. 7, 1915 Cont. for Cass County.

A.M.

We continue North.

@ 48+25 set Hub.

@ 49 enter meadow

@ 52 leave " "

We look for the  $\frac{1}{4}$  sec. corner  
on the W side of Sec. 7-141-31  
where U.S. notes call for.U. S.  $14515W 92 = 60.72 ft.$ As per  $4N20E 46 =$ We find the S.W. stump  
with the B.T. plainly marked  
from which I set a  $3" \times 3"$   
 $\times 36"$  apex post for the true  $\frac{1}{4}$   
Sec. corner.  $var. 9^{\circ}30'$

(22)

7

Sec 7-141-31 Hot.

Aug. 7, 1915. A.M. Continued.

@ 52 + 66.2 the true  $\frac{1}{4}$  Sec.  
corner on the west side of  
Sec. 7 (established by me) set  
East 8.30 ft. [Corr. .00158] ✓

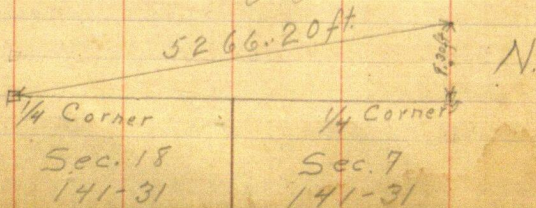
Correcting back:

Hub 39 39.65 goes E 6.22 ft.  
INCORRECT when I set a  $\frac{3}{4}$ " iron pin 12"  
long full length in ground  
for the temp. So.  $\frac{1}{16}$ -corner  
of Sec. 7-141-31.

Shinner @ Hagers.  
P.M.

Correcting back:

Hub @ 26 33.10 goes E 4.15 ft.  
when I set a 3" x 3" x 36" aspen  
post 12" in ground for the temp.  
S.E. Sec. corner of Sec. 7-141-31.  
Quit and all go to Walker.  
Cook is sick and nothing to  
eat. Swanberg goes to Can Lake.



(See P. 24 ②)



7-141-31.

Sunday Aug. 8th 1915.

Nobody works. In Walker.

Monday Aug. 9th 1915.

Curo comes down from  
Hackensack on 2:50 A.M. Train.  
I see Curo at office. I leave  
for Minneapolis on 12:37 P.M.  
Train.

F. A. Donner.  
Per Quon.



7-144-31.

Tuesday August 10th 1915.

Not.

I leave Walker at 8 a.m. in Grindals car. Go to headquarter camp (Sec. 28-142-31) and get Ernest Tusler, Howard Swanberg, and Gurley engineers transit. We then drive out to Mr. H. C. Hager's farm, where we expect to camp during the survey of Sec. 7, Twp. 144, Rg. 31.

Arrive at 9:30. We settle for car (\$2<sup>50</sup>) and I send the H + B transit and tripod, used by F. A. Donner, back to Walker with the car.

I spend the rest of the morning going over Donner's notes, while the boys sharpen the tools.

I notice in Donner's notes (Page 22 ⑦ this book) that on August 7th he incorrectly established the South  $\frac{1}{16}$  cor.

Gronmiller

7-141-31.

on West boundary of Sec. 7.

P. M.

I set the transit over hub 3915.35, on random W. boundary Sec. 7, intending to correct the  $S\frac{1}{2}$  cor. previously mentioned. I notice that Donner's backsights do not line up, so I go down to the true  $\frac{1}{4}$  cor. on W. boundary Sec. 18 and hub the line through again to the true  $\frac{1}{4}$  cor. on W. boundary Sec. 7. I get the line straightened out, and we knock off work at 5 P. m. on account of excessive heat.

Crew:

Gronmiller. Transit.

Ernest Insler. Axe.

Howard Swanberg. Flag.

Gronmiller



7-141-31.

Wednesday August 11th 1915.

Hut.

I decide to check chain the line run by Donner and corrected by me.

Starting at the  $\frac{1}{4}$  cor. on W. side Sec. 18, we chain North very carefully.

@ 2632.10 - Hub.

Note: Donner had other huts nearer the  $\frac{1}{4}$  cor., but as this one can be plainly seen from the  $\frac{1}{4}$  cor., I knocked the others out as being unnecessary.

@ 2956.80 - Hub.

@ 3913.75 - "

@ 4822.90 - "

@ 5264.00 - The true  $\frac{1}{4}$  cor. on W. side Sec. 7 sets 8.30' East. Correcting back - [001576]

# 4822.90 goes 7.62' E.

# 3948.10 " 6.23' E. to True

$\frac{3}{16}$  Cor. on W. side Sec. 7.

# 2956.80 goes 4.66' E.

# 2632.00 goes 4.15' E. to

Growmiller



7-141-31.

true Cor. to Secs. 7 and 18, 141-31.

I now set the Transit over the  
true ~~th~~ cor. on W. side Sec. 7, back-  
sight on corrected hub # 4822.90,  
Transit 'scope and run North.

@ 133.90 - Hub.

@ 269.55 - "

@ 505.15 - "

@ 737.00 - "

Quit for night.

Crew:

Gronmiller. Transit, axe &amp; chain.

Ernest Tucker. Axe

Howard Swanberg. Flag &amp; chain.

Gronmiller

T-141-31.

Thursday August 12th 1915.

Not.

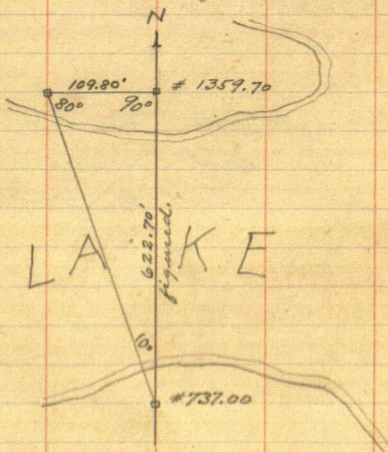
Groommillers. Transit, axe &amp; chain.

Ernest Tuske. Axe.

Howard Swanberg. Flag &amp; chain.

We cont. N. on random W. boundary  
Sec. 7.

Triangle lake as follows:



@ 1359.70 - Hub.

@ 1518.50 - "

@ 1668.90 - "

@ 1715 Enter lake.

Groommillers



(14)

29

7-141-31.

@ 2000 leave same.

@ 2138.90 - 1 sub.

@ 2243.50 - "

quit for night.

Gronmiller



7-141-31.

Friday August 13th 1915.

Hot.

Groommiller. Transit, axe &amp; chain.

Ernest Tusler. Axe.

Howard Swanberg. Flag &amp; chain.

We look for the corner to  
Secs. 6 & 7, 141-31, where U.S.  
notes call for a post and the  
following bearing trees:

Y.P. 14 S 16 E 151 Lks = 99.66'

" 12 N 52 E 189 " = 124.74'

W.P. 16 N 25 W 35 " = 23.10'

" 16 S 42 W 263 " = 173.58'

We find the stumps of all  
except the S.W. tree, which is  
gone. From them we set a  
stake for the cor. to Secs. 6 & 7.

We now cont. N. with our  
random.

@ 2617.00 the cor. to secs.  
6 & 7 sets 3.80' West.

Correcting back - [.001452]

# 2243.50 goes 3.26' W.

# 1308.50 goes 1.90' W. to

Groommiller

7-141-31.

True North  $\frac{1}{16}$  Cor. on W. side Sec. 7.

I now set the transit over the NW Cor. Sec. 7, backsight South on corrected hub # 2243.50, turn  $90^\circ$  to the left and run East.

@ 151.20 - nail in 10" J. P. Stump -

@ 627.20 - Hub.

@ 914.70 - "

cut about 300 ft. further & quit for night.

Curo comes out in Grindal's car, bringing Nick Narig to take position as axman. He leaves a few provisions, gives me hell for not running more line, and returns.

Sproumiller.



7-141-31.

Saturday August 14th 1915.  
Hot.

Growmiller. Transit & chain.  
 Ernest Insler. Axe.  
 Nick Harig. "  
 Howard Swanberg. Flag & chain.

We cont. E. on random N. boundary  
 Sec. 7.

@ 1415.50 - Hub.

@ 1522.20 - "

@ 1576. State Road. N. &amp; S.

@ 2337.40 - Hub.

@ 2692.00 - "

We run about 200 ft. further  
 and stop to look for the 14 cor.  
 on N. side Sec. 7, where U.S. notes  
 call for a post and the following  
 bearing trees:

J.P. 8, S 16 W, 22 lks. = 14.52'

W.P. 16, N 32 W, 19 " = 12.54'

We find nothing. Rain starts  
 & we go in. Will make a  
 more thorough search for  
 this corner Monday.

Growmiller



7-141-31-

Sunday August 15<sup>th</sup> 1915.

nobody works. Crew in  
wacku. I stay at Hotel  
Chase; crew stays at head-  
quarter camp.

Grover Miller.

7-141-31.

Monday August 16th 1915.

I leave walker at 5:30 a.m.  
 Take breakfast at head-  
 quarter camp and walk  
 through to Sec. 7. John W. Curo  
 comes out at 9 a.m. with  
 crew in Grindale's car. He  
 takes all our luggage, pro-  
 visions & blankets back  
 with him to head quarters.

we cont. E. with random  
 N. boundary Sec. 7.

@ 2990.70 - Hub.

@ 3126.60 - "

@ 3353.60 - "

@ 4211.20 - "

@ 4537.00 - "

quit for night. we  
 walk up G.N. tracks to head-  
 quarter camp, Taking all  
 tools with us.

Geo W Miller



Friday Sept 3<sup>d</sup> 1915.

Left Walker at 9 A.M. with Ernest Fisher  
& Nick Harris in Auto with load of  
supplies & drove to H.C. Hagels in  
Sec 12-141-32 Hubbard Co where we are  
to stop while working on Sec 7-141-31.

We arranged with Mr. Hagen to keep  
us, we furnishing the supplies & he  
the house, stove & dishes. After we  
have, fixed up our quarters, then  
Nick & I go & grind our Axes & Bench  
hook, by this time Ernest has dinner  
ready at 12 noon. after dinner we  
all three Ernest, Nick & I start north  
to locate the corners of Sec 7. we go  
north on Road to the north line of Sec 7  
(cut by Geo Minner) then taking line turn  
we go East. at about 40 ft south of  
Sta 3600 or more I find two old  
poplars, one dead, on the E & W  
sides of the dead one I found old  
blazes. also a blaze on the gum are  
indicating that these are old  
original line trees. I now go East  
until I am near the NE cor Sec 7  
here I find a burnt dead N.P.

GEO E COONS  
C



7-141-31

24" x broken off 12' from the ground  
 feature 40' west of G.M. by an cleared R.R.  
 this has been pretty cut off & there  
 left for some reason. It may be a  
 bearing line. I then find a dead G.P.  
 broken 20' from ground 10" dia., about 100'  
 east of G.M. by track at North end of emb-  
 ankment & along supposed North line of  
 Sec 7 or 8. This line has old blazes on  
 E & W sides also blazed stub about 60'  
 SW. & another blazed stub 40' W. These  
 later stubs are on E & W side of an old road  
 not being able to locate anything more re-  
 garding the W.E. on Sec 7. We go South  
 along the line between Sections 7 & 8.  
 I found a Lake between Sec 7 & 8 in travel-  
 ing South about 40 Pds from the W.E.  
 cor of Sec 7 & into the E side of Sec 7  
 about 10 Pds. I went around the W  
 side of this Lake & picked up the sup-  
 posed E line of Sec 7 & followed same  
 South, at about 6 Pds south of the lake  
 I found one Norway & one Jack Pine  
 with old line blazes indicating that  
 they are old line trees. As about

Geo E Coons

7-141-31

160 Pds South of NE corner I found  
 a pile of split W.P. logs against  
 a W.P. stump indicating that it is  
 the location of  $\frac{1}{4}$  cor. set there in  
 recent years. No other marks. I  
 then proceed south to approximate  
 SE corner of Sec 7 here I found no B.T.s.  
 or anything other than two Y.P.s with  
 old E & W flags, instead for one line  
 or markings of old road, as an old  
 road is here. Then I proceed W  
 along supposed S line of Sec 7. I find  
 nothing indicating location of  
 S  $\frac{1}{4}$  cor. but at about 200 Pds W of  
 S  $\frac{1}{4}$  cor I find a lake which re-  
 tends West to within about 50 Pds  
 of the SW. cor of Sec 7. which I  
 find located by Geo Miller.  
 Nick & I arrive at Hager 5-30 P.M.  
 General gets supper over all then  
 stay with Hager Dec 12-141-32

Saturday the 4<sup>th</sup> Nick, General & I go  
 to the SW. cor of Sec 7 - 141-31 +  
 turn 90° right (to the East) from  
 Geo E Coons



Mission's trail line of Sec 7 & proceed  
to our random line May Bearing  $N 80^{\circ} 10' E$   
in the timber, between the OTW line &  
the Lake I found several old  
line trees blazed E-W I am running  
along the line of these trees. I

intersected across a lake on the  
random line on the South line  
of Sec 7. on East side of the lake

I found several more old line trees  
blazed E-W along my random line  
We go about  $\frac{1}{2}$  mile on random line  
today. It is very hot. we do not

chaining today except for base of  
triangle. Nick gets sick at his  
stomach about 4 P.M. Ernest goes  
in to Hays about 4 P.M. to get  
supper. Nick & I quit line at 5:15 P.M.  
& carry tools & instruments to Hays.  
All eat supper with Hays &  
Ernest & Nick walk to Mackinac I  
stay with Hays. -

G. E. Cook.



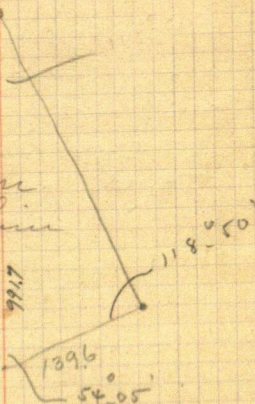
24 7-14-81

39

Inaugural distance = 991.7'

$$\begin{array}{r} 1 = 118.50 \\ 2 = 237.40 \\ 3 = 356.30 \\ \hline 6 = 713.00 \\ 118.50 \checkmark \end{array}$$

Lake on  
South line  
of  
line 7



$$\begin{array}{r} 1 = 54.05' \\ 2 = 108.10' \\ 3 = 162.15' \\ \hline 6 = 324.30' \\ 54.05 \checkmark \end{array}$$

10 E. Coors.

(25)

7-141-31

Sept 7 1915  
PM

Cus - Baldwin and Turler Lake  
hand car and go to Sec 7-141-31  
run random lines on East side  
look for M.G. Concess but find none

Sept 13<sup>th</sup> 1915

Cus - Scott - Harg & Turler  
Lake hand car and go to Sec 7-141-31



7-141-31

Sec 7-141-31 Sept 1915

2 3 4 5 7 13 17 22 23 24 27 29 30

Geo E. Coors

Robert Tucker

Nick Herzig

H. F. Ballhorn

John W. Russo

J. M. Scott

Johnston

McMahon

PM 1/2 1 12 1

PM 1/2 1 1 1 1

PM 1/2 1 1 1 1

PM 1/2 1 1 1

PM 1/2 1 1 1

PM 1/2 1 1 1

PM 1/2 1 1 1

PM 1/2 1 1 1

PM 1/2 1 1 1



27 7-141-31

Friday Sept 17-1915

Scott - Harrig - & Tueler

Lake lunch and hand car to see

7-141-31.

Begin at a point on Geo. Miller's  
transit line 4537.0 feet East of  
NW Cor of sec 7 - we continued E. to  
at 5215.4' to intersect G. N. R.R.

We then go to tree N.E. Cor Set by John  
W. Coro and run line South until we intersect  
G. N. R.R. Thence we run traverse as  
shown on opposite page.

P.M.

We continue running So. on east range  
setting hubs + chaining.

We intersect lake shore at 1509.3  
and triangulate as shown on opposite  
page "B"

PM Scott  
C.

No. Tree N.E. Cor

6680.0

4530.0





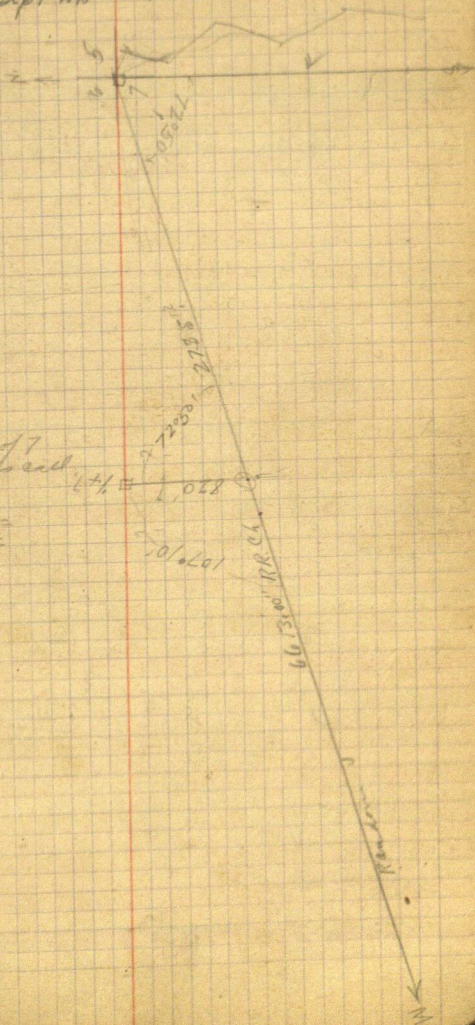
(29)

7-141-31



(30)

7-141-31

Wednesday Sept 22<sup>nd</sup> 1915.

@ 1/4 on N side of 7  
 141-31 US walls and  
 for

JP 8. S 16 W 22 =  
 WP 18 N 32 W 19 =

③ 7-141-31

Wednesday Sept. 22<sup>nd</sup> 1915.

High Wind - P.M. Cloudy.

Breakfast 6.30 A.M. in Camp.

Baldwin goes to County Surveyor's Office & with John Curo work out corrected North Brandy Random Line for Sec 7-141-31. as on page 30

Baldwin - Also Transit

Harig & Tusher - Axemen.

Taking Land car pump down to Sec 7-141-31. Pumping against high wind is nearly impossible we walk & push land car large part of way.

We eat lunch

P.M. From true N.E. Cor sec 5-141-31 we turn  $72^{\circ} 50'$  S.W. from Scott's Random Line south and continue West.

At 4.60 W. Enter Meadow Wet.

" 6.50 Where " "

"  $912^{\circ}$  W. a Luk.

At 4.45 P.M. We quit and reach Camp 5.45 P.M.

We have cut about 12 or 13 hundred ft. today. Curo & Johnston in Camp when we arrive in Camp.

A. J. Baldwin



(32)

7-141-31

Thursday Sept. 23<sup>rd</sup> 1915

Fair Day - Warm -

Breakfast in Camp 6.00 A.M.

Baldwin & Johnston go to County Surveyor's Office and get 200' Chain  
No 1 - Gurley Transit and small Gurley Compass.Leaving Camp at 8.15 A.M. we take  
Lamb Car to sec. 7-141-31.

Baldwin - Gurley Compass -

Johnston - Gurley Transit No 1.

Harris - Ace &amp; Flag -

Jusler - Ace -

We Continue East on North Boundary  
sec 7-141-31 as started yesterday

At 1118.4 W a hub

" 1400.9 W " "

" 1497.9 W " "

" 1710.8 W " "

" 2314.7 W " "

" 2718.4 W " "

Home at 6.00 P.M.

H. J. Baldwin



33

7-14-31

34 7-141-31

Friday Sept 24

cloudy and cool

Breakfast in camp 6 AM

Left camp 7.00 AM By handcar to sec 7  
141-31

Johnston Harig and McMahon

We continue West on North Boundary  
Sec 7-141-31

At 2923.8 Hub.

" 3526.7 "

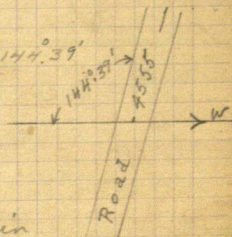
" 4280.0 "

" 4555 center of Road Angle  $144^{\circ}39'$

" 4823 Hub

" 5329.7 "

" 5609.3 "



Johnston Transit & chain  
Harig      axe & flag  
McMahon      " & chain

Reached camp at Walker 5.50 P.M.

J. Johnston



35- 7-141-31

Sept. 27 Monday

Rain in morning. Left camp at 8.00 A.M. and walked to Sec 7.

Johnston Transit & chain

Harris Axe & flag

McMahon " & chain

Continue west on N Boundary  
of sec. 7-141-31

6145 - Hub

Made string intersection with true west boundary and found angle  $106^{\circ} 52'$ : see opposite page 6605.6 Hub True N.W. cor. of sec 7 lies south  $46.25'$

Transit was then set up over center of post 2" square marking cor. of section after a hub had been set  $43.02'$  south from hub at 6145.0 This marks <sup>point on</sup> corrected N boundary  
Correction for hubs on line [007001]

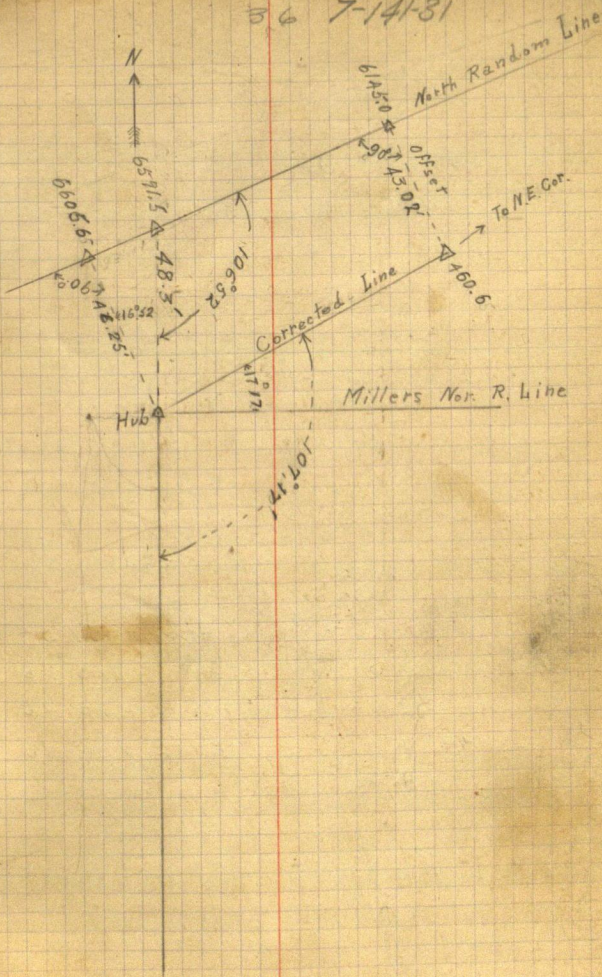
Angle between corrected N boundary and Millers Random line  $17^{\circ} 17'$

Angle between corrected N boundary and true west boundary of -7-  
 $107^{\circ} 17'$

J. A. Johnston



36 7-14-31

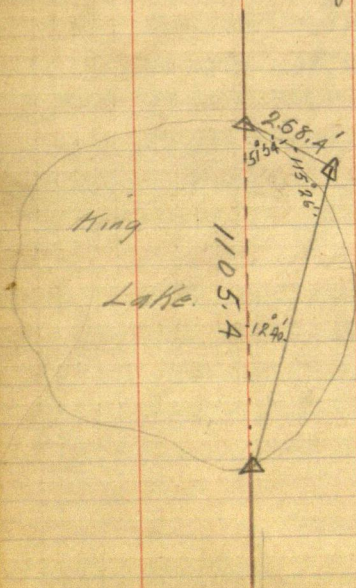


37 7-141-31

Sept 28 Tuesday

Rain all day: no body  
worked.

J. Johnston



Angles  $51^{\circ}54'$

$115^{\circ}26'$

$12^{\circ}40'$

Total  $180^{\circ}00'$



38 7-14-31

Wednesday Sept 29

Rain in morning and forenoon.  
Had early dinner and then left  
camp at 11.45- and took Land car  
to sec. 7-141-31-

Johnston transit & chain  
Harris Arc & flag  
McMahon " & chain

checked work done at N.W. cor. of  
section late Monday P.M.  
Carried all instruments and  
tools to East random line. Began  
by checking triangulation shown  
on page 28. Found Base line to  
be 268.4'. Read all three angles  
and found them correct.

This makes distance between hubs  
across lake 1105.4'. see opposite  
page. Chainage of Hub S of lake = 2614.7  
Continued south on line  
Returned to Camp 5.55 P.M.

J. Johnston



Thursday Sept. 30

Cloudy + cool  
Take lunch + and hand  
car and go to Section 7-  
141-31 and proceed South on  
East random line

McMahon Transit + chain  
Harris Flag + chain + are  
Tusler all set over  
Hub 2614.7 on south side  
of lake.

Hub. 2614.7

" 2660.1

" 3204.6

" 3764.2

" 4484.5

Return to camp 5.30 P.M.

Prof. E. McMahon

40 7-141-31  
Friday Oct. 1st

Fair & Warm

Take lunch & head out  
go to Section 7-141-31  
continue south East. random  
line

Herring Transit & chain  
McMahon Ave. "

Lumber " Flag

Hub 4454-5

" 5142-7

" 5199-2

" 5239-9

Look for corner but find none  
quit for night 330 p.m. and  
go to John W Curo office  
return to camp and have  
supper 6<sup>00</sup> p.m.

Roll E. McMahon



41 7-141-31

Friday Oct 8<sup>th</sup> 1915.

Fair day - Cool - Strong Wind.

Breakfast 6.15 A.M.

Baldwin and Mc Mahon with  
Gurley Compass walk to

Sec 7-141-31 - taking lunch.

We cut Random line on East  
Boundary further south &  
search for B.T.s to Cor

7-8-17-18. Find none

Mr. Oliver found a Norway Spruce  
like B.T. but no scrib mark and  
Jack Pine blazed 4 sides he  
thought this the corner but  
U.S. notes call for

Oak 4" N 50° E 41 =

Poplar 3" S 40 W 32 =

" 4" N 64 W 34 =

" 3" S. 61 E 20 =

Therefore Mr. Oliver's find N.E.

Baldwin & Mc Mahon arrive in  
Camp 5 o'clock

Cars & Scott arrive 5.30 P.M.

Baldwin writes notes

Mc Mahon got supper

H. J. Baldwin



42

7-141-31

Saturday Oct 9<sup>th</sup> 1915.

Fine Day - Strong Wind -

Breakfast 6:30 A.M.

Scott goes & makes arrangements  
with section foreman for us to have  
the land car.Baldwin & Host go to County Surveyors  
office & get N & E. Transit.Baldwin - Host - McMahon with  
N & E. Transit take land car & go  
to Sec 7-141-31.We continue south on Random Line  
at East Boundary -

At 5436.4 S 2 huts

We do not chain further but cut  
brush and run transit over set  
stake on line at bank of Shingobee  
River.

We arrive home 5:45 P.M.

H. F. Baldwin.

7-141-31

141<sup>43</sup> 31.

Thursday Oct 21 1915

Horst, transit.

Tusler flag and chain.

We go to Section 7 Twp 141 R 31  
to chain the line running south  
between sec's 17 and 18 to  $\frac{1}{4}$  cor  
beginning at Hub. 5436.4 we  
chain south.

7428.2 S Hub.

7629.1 S Hub.

7966. arrive at Shingobee river  
and look for  $\frac{1}{4}$  cor B.T. between 17 and 18  
on N-T-S line but find nothing.  
and return to camp.

E.B. Horst.

Saturday Oct. 16, 1915.

J.A. Johnson + R.E. McMahon  
produce North Random to  
Shingobee River. by picket line

R.E. McMahon



44

7-141-31

Tuesday Oct 25-1915

Cold &amp; blustering.

Scott & Tusler go to Sec 7, 141-31  
and start picket line. go to  
Creek and start cruising So.  
on 9° Var for 1/4 C or on E line  
previously run. but find  
nothing

Return to camp at 5:30 P.M.

W. Scott



45- 7-141-31

Saturday Oct. 30 1915  
Clear + Cool

Curo + Tussler go to

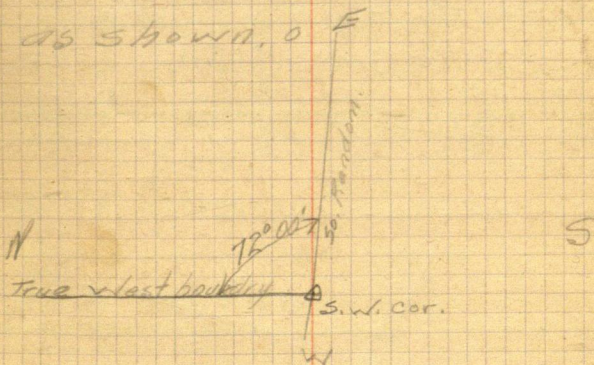
Section 7-141-31.

46 7-141-31

Monday Nov. 1 - 1915

Clear + Cool

Scott, Tussler + McMahon get  
hand car and go to Section 7.  
and start new 50 random  
as shown, 0 E



We cut brush + hub until dark.

Scott. Transit H. + B.  
McMahon. Axe + Flag.  
Tussler. Axe.

J. M. Scott.

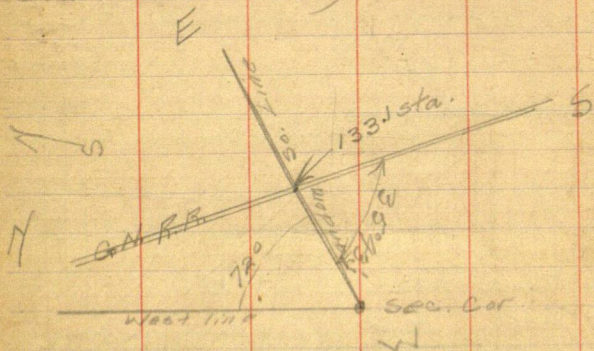
47 7-141-31

Wednesday, Nov. 3, 1915

Clear + Cool

Scott + McMahon go to  
Bilbena get groceries and  
car, take our paraphernalia  
and go to Hager's to stay  
while on Sec 7-14-31.

We chain + produce line  
started Saturday Oct. 30.



530.5' Arb.

981.3 Hub.

We produce line across  
Lake Alice + quit for Night.

PM Scott.



Sec 7-141-31

Time Sheet for October

1-8 9 22 25 16 30

John Bure						1	
P. E. McWhorter	1	1	1				
John Johnston						1	
H. E. Goldstein		1	1				
E. B. Harsh		1	1				
N. F. Hargis	1						
E. L. Fuseler	1		1	1		1	
P. M. East				1			

Check up this time from field Notes here in

P. M. East

48

7-141-31

49 7-141-31

Thursday Nov. 9, 1916

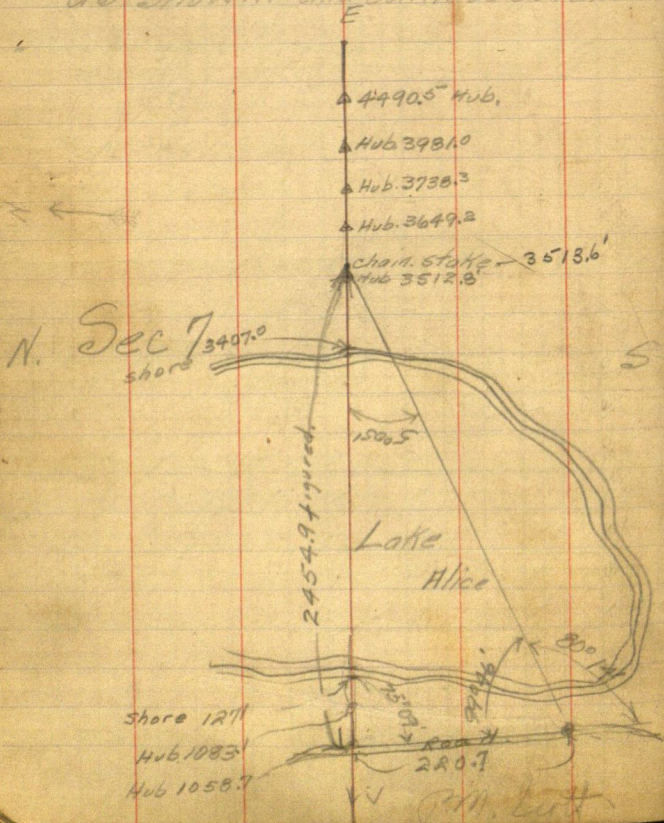
Breakfast 6.30 A.M.

Cloudy & cold.

Scott. Transit.

Mr. Mahon. Flag chain.

via triadg lake Lake May  
do Shovon and continue to Randan.





141-31

Time Sheet for November 1915

	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
P.M. Scott	1	1	1	1	1	1	1	1	1	1	1/2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
B.E. McLeod	1	1	1	1	1	1	1	1	1	1	1/2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
E. Tiseker	1																													
Molyneux																				1/2	D								1/2	
W.B. Buckhalter						1	1	0	1	1	1	0					1	0	1	1	1	1	1	1	1	1	1	1	1	1
H.C. Hager										1	0																			
J.W. Curo																														

7-141-31

Grindells Caf. 1. trip third November  
1 x twenty months ✓

M. Scott,



51. 7-141-31

Friday Nov. 5 - 1915

Breakfast T.A.T.

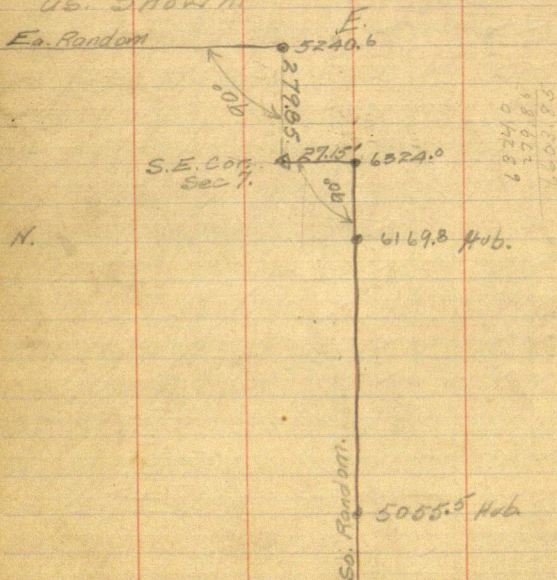
threatening Rain.

Scott - Transit.

M. Mahon - Flag + Chain

Burkholder - Axe.

We continue South. Boundary of Sec. 7  
until we intersect East boundary.  
Setting S.E. cor. by Flag chain.  
as shown.



W. J. Scott

52 7-141-31

Saturday Nov. 6 - 1915

Breakfast 6.30 AM.

Cloudy & Cool

Scott H & B. Transit,

McMahon Flag & Axe

Burkholder Axe

We go to sta 5264 on East  
Random Sect and at  $90^\circ$  to So  
we set Hub over 28.12' (Correc. 0.534)  
with this as F.S. & True N.E.  
Cor as transit Pt. we start  
true line running South. Hubbing  
& bracing but not chaining  
McMahon & I walk to Walker  
arrive at headquarters 5.30 PM.

J.M. Scott

53 7-141-31

Sunday Nov. 7-1915

Rainy all day.

In office in Walker  
Working on notes.

J. M. Scott



54 7-141-31

Monday Nov. 8-1915

Breakfast at Headquarters

I go to Office to get + plots  
+ notes. McMahon buys Supplies  
leave Walker 9 A.M. for Hager's  
Having heavy wind and pack.  
We arrive at Hager's 11-30.  
find Burkholder has been cutting  
line from pickets left by me Sat.  
P.M.

Scott. H + B Transit

McMahon: E. Flag + Axe

Burkholder: Axe

We continue running S. on  
E. correction line Sec. 7-141-31

at 4.30 I go in Walker to see  
Curo Mac. gets N. E Angle  
which is  $69^{\circ}35'$

P.M. Left

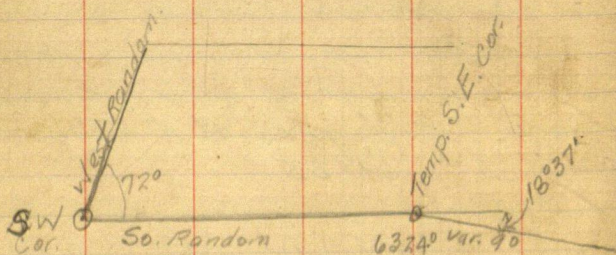
5.5- 7-141-31

Tuesday Nov. 9, 1915.

Breakfast 7.30 AM.

Clear + Cool.

Mr. Coro gives me orders  
to produce my South Random  
line until it intersect  
Anway Lake & start  
line as shown.



We brush & hub until dark.  
Crew.

Scott Transit.  
McMahon Flag & Axe  
Burkholder. Axe.

P. M. Little



56 7-141-31

Wednesday November, 10<sup>th</sup> 1915

Breakfast 7 A.M.

Rainy, windy, Miserable Weather.

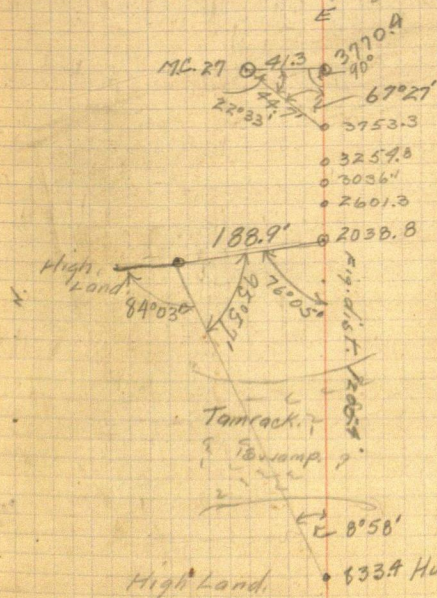
Scott. Hit B. Transit.

Mc. Mahon. Flag + Chain.

Hager. Axe.

Burkholder. Axe.

We continue East Random. That we started Nov. 9. See page 55



• 528.4 Hub

W. J. M. Scott



57

7-141-31

Thursday Nov. 11 - 1915

Breakfast 7-30 A.M.

Clear after 11.00 A.M. Cool

Am in office. McCreo + McMahon  
to work on plans of Section 7.  
11 A.M.

P.M. Lott.

58 7-141-31

Monday Nov. 15 1915

Snow P.M.

A.M. J.W. Curo, Scott + McMathen  
are in office working on notes.  
I + McMathen walk out to Hagers  
arrive there at 2 P.M. Have  
dinner at 3 P.M. The rest of  
day we spend figuring angles.

P.M. Scott.

Tuesday Nov



59 7-141-31

Tuesday Nov. 16, 1915.

Therm. registers  $0^{\circ}$  at 6.30 Clear.

Scott + McMahon go to  $\frac{1}{4}$  cor.  
on W side Sec 7, and with  
 $\frac{1}{4}$  cor as transit pt. and Huber  
tree as F.S. 1 turn S.E. L of 108 $^{\circ}$  46'  
and start running East. about  
thr. the center of Sec 7.  
running E + W.  $\frac{1}{4}$  random line.

G.M. Scott.

Wednesday Nov. 17, 1915.

Cloudy + Cold.  $20^{\circ}$  above zero 6.30.

Scott, McMahon + Burkholder

Continue E + W  $\frac{1}{4}$  line until  
we intersect E random line.  
We are about 200 ft off.

Ros. Scott.



60 7-141-31

Thursday Nov 13, 1915.

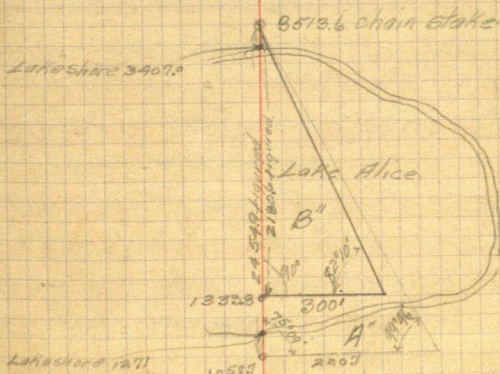
Snowing.  $39^{\circ}$  above Zero Faren.

Scott. H. B. Transit.

McMahon Flag chain.

We retriangulate Lake Alice

And find our former chainage O.K. We  
do so as follows.



Lake shore 1271

A = Previous Triangulation.

B = Triang of today Nov. 15

P.M. We re-chain East random Line  
Chaining South.

526.6 Hub.

956.5

1310.15 Chain stake

1329.3 Hub.

1562.3 Lake shore

2620.3 Nail in ice

2782.0 Lake shore

3038.7 Hub

3270.2

3720.5

3930.45 Chain stake

at 5240.6 we find previous chainage O.K. Along

J. M. Scott,

(6) 7-44-31

November 19-1915 - Friday -

Cloudy + windy 6 A.M. 30° Above.

Scott. H. + B. Transit

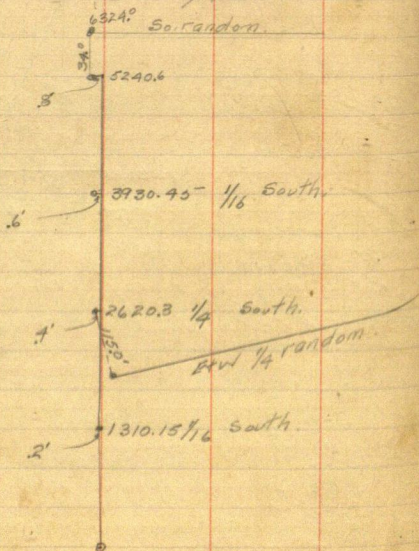
McMahon Aler Flag.

Burkholder Aler.

Hager Aler.

Hager sets I.M.S. on S.W. Corner  
+  $\frac{1}{4}$  Cor on West Side Sec. 7

Scott, McMahon + Burkholder re-tie in  
S.E. Cor. Sec. 7 and set N + S  $\frac{1}{16}$   
Cors on East line +  $\frac{1}{4}$  Cor as  
shown



also find Etrd  $\frac{1}{4}$  random line runs 115.0°  
No True  $\frac{1}{4}$  Cor.

P.M. Scott.



62 7-141-31

Nov 19-1915 continued.

Scott. H & B Transit.

McMahon. Flag & chair.

Burkholder. Axe

Hager. Axe.

We go to Millers West Random Line  
and set hub at 3943 and 90° from random  
East 1623'. We set True S  $\frac{1}{16}$  Cor on  
West Side Sec 7

With this as transit pt and true  
line a f. S we turn 71° 59' to the  
right and start S  $\frac{1}{16}$  line.

We cut until dark. H Hub.

P.M. Scott.



63 7-141-31

Nov. 20th 1915 Saturday

Cloudy 25° Above Zero.

Scott H + B. Transit.

McMahon Axe + Flag.

Hager. Axe

Burkholder. Axe

We continue running So on  
Soll's random line until we  
intersect E Line Sec. 7.  
find true  $\frac{1}{16}$  cor set N. 2. 60 ft.  
We then go to North  $\frac{1}{16}$  cor on  
westside sec. 1 at 13085 we  
set hub on Miller's random.  
and 1.9' west of this hub we  
establish true N.  $\frac{1}{16}$  cor  
with  $\frac{1}{16}$  cor as Transit pt. and  
true line as F. S. we turn L of  
77° 29' previously figured.  
we cut brush + Hub. running  
East.

P.M. Sett.

64 7-141-31

Monday Nov. 22<sup>nd</sup> 1915

I remain in office in Airt. working  
on Ls for interior Lines Sect. 141-31  
with Molyneux

Mc Mahon goes to Hagers on gas  
car and continues running East on  
North 1/4 random.

P.M. Heavy Snowfall + brush  
is very heavy making progress  
slow.

Hager + Burkholder. Axe for  
Axe.

P.M. Scott.



(65) 7-141-31

Tuesday Nov. 23, 1915

Cloudy Threatens snow.

Scott. H.B. Transit.

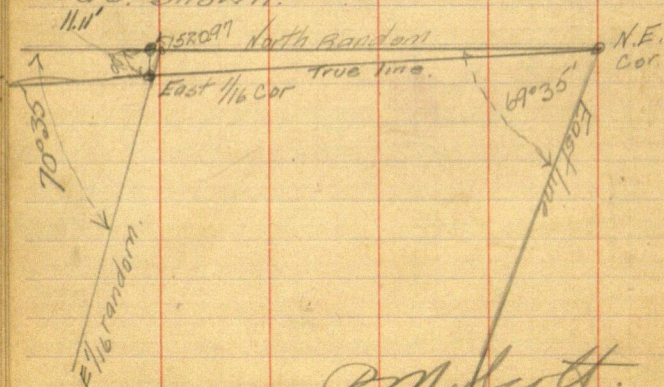
McMahon Flag & line.

Burkholder. Axc.

Hager. ✓

We continue E on No. 1/16 random  
until we intersect E Line Sect.  
Find true N 1/16 cor on E Line  
set No at  $90^{\circ} 51'$

We then go to No random line  
of Sec 7 and set 1/16 post (East one)  
on north random Sta. 1521 & c  
turn N.W. angle  $70^{\circ} 35'$  and run.  
So running E 1/16 random line  
as shown.





66 7-141-31

Wednesday Nov. 24, 1915

Weather Moderating

Scott. H & B. Transit.

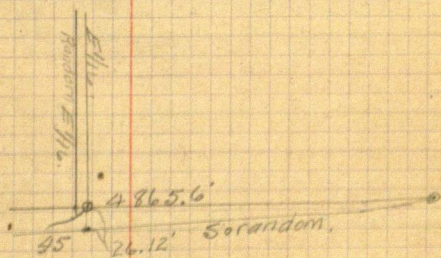
McMahon. Flag & Axe.

Burkholder. Axe.

Hager. Axe.

We continue So on E  $\frac{1}{16}$  random  
Set P.l.s for N & E  $\frac{1}{16}$  randoms.  
and E + W  $\frac{1}{4}$  random + E  $\frac{1}{16}$  random  
P.M.

We set P.l.s for E + S  $\frac{1}{16}$  randoms  
continue So until we intersect  
So line sec 7. Set true  $\frac{1}{16}$   
corner. Bone on So line find  
cor sets E.A.S.  
N



S.

P.M. Scott,

(67) 7-141-31

Friday Nov. 26, 1915

Cloudy + Cool

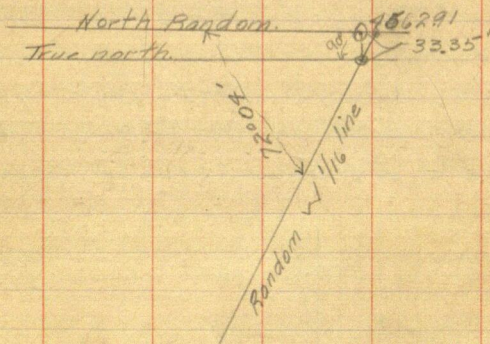
Scott Ht B. Transit.

McMahon Axe.

Hager Axe.

Burkholder Axe.

We go to E  $\frac{1}{16}$  on No random  
and set some as shown and  
run So. on. W  $\frac{1}{16}$  Line



We intersect the No  $\frac{1}{16}$  random  
and E + W  $\frac{1}{4}$  random.

P.M. Lutt,



(68) 7-14-31

Saturday 27. 1915 A.M.

Clear + Cool

Scott H + B. Transit.

McMahon. Axe + Flag.

Hager. Axe

Burkholder. Axe.

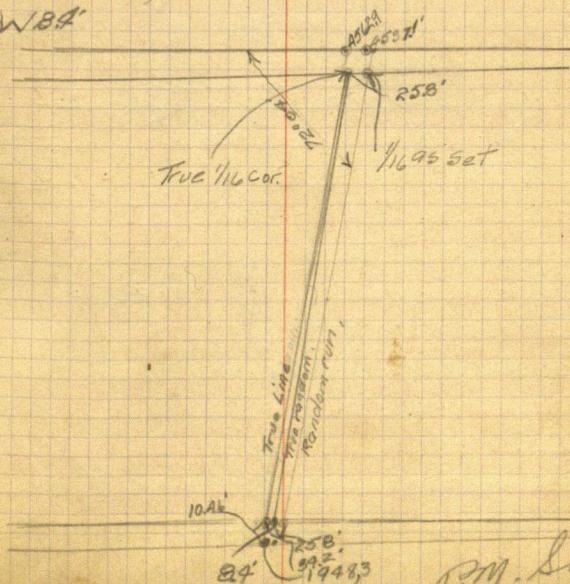
We continue W  $\frac{1}{16}$  so.

Intersect S  $\frac{1}{16}$  line and then

find Mac. Has made a bull on  
his chainage at the N.W.  $\frac{1}{16}$  cor.  
which is as shown.

So in reality True W  $\frac{1}{16}$  cor on so line sets

W 84'



J.M. Satt

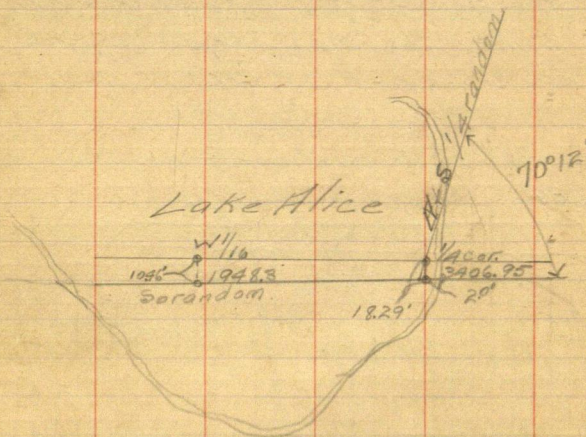


(69) 7-141-31

Saturday 27. 1915. P.M.

Some crew.

we go to #3407 on Grandam  
Sec 7 and set  $\frac{1}{4}$  post for S side  
and then start our N + S  $\frac{1}{4}$   
random line. as shown.



we run North. P.I. N + S  $\frac{1}{4}$  + S  $\frac{1}{16}$   
E + W  $\frac{1}{4}$  + N + S  $\frac{1}{4}$ .  
quit for night.

P.M. Scott

(70) 7-141-31

Sunday Nov. 28 1915 P.M.

Scoy H+B. Transit.

McMahon. Flag + Axe.

Hager Axe.

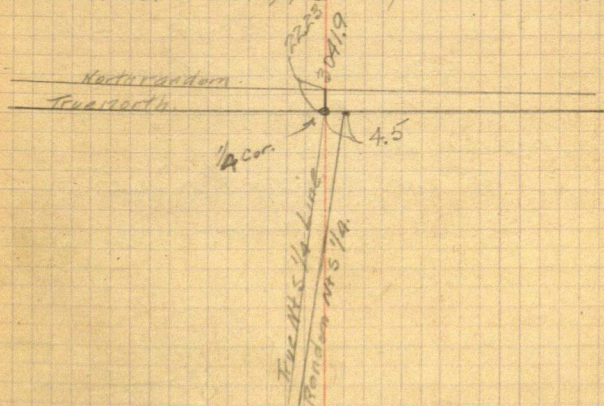
Burkholder. Axe.

We continue North on At S  $\frac{1}{4}$  4

line p.i. N  $\frac{1}{16}$  + N + S  $\frac{1}{4}$  4. and

cut brush + hub until we intersect

No random Set  $\frac{1}{4}$  cor find it sets w/ 4.5-



We then go and reset w/  $\frac{1}{16}$  cor on  
No random as shown on page 68

P.M. Scott.



71 7-141-31

Monday November 29, 1910

Clear + Cool

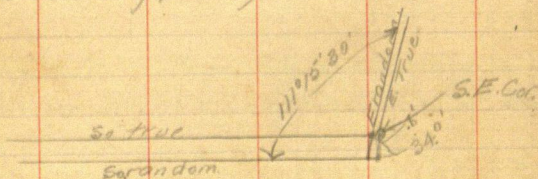
1. Arr. in office working on notes until eleven A.M. then get Grindell to take me out to Sec 7 take all the

l.m. I can find five

MacMahon + Hager. set l.m.s. at N.E. Cor. the  $E \frac{1}{16}$  on No. Line  $\frac{1}{4}$  Cor on No line  $\frac{3}{16}$  Cor on No Line and distribute l.m.s. on west line also set l.m. on  $N \frac{1}{16}$  on west line.

Mounding Same

Burkholder + I go to S.E. Cor and get Angle as shown on following diagram.



1. then go to N.W. Cor and check Cor. set by Miller find it OK. Then go to Walker to see Curo. He is not in town.

P.M. Sett.





72

7-141-31

Tuesday Nov 30 1915

Cold + Cloudy.

I get ride out to Hager's arrive there 8 A.M.

Mo Mahon + Hager set N.M.s on N.W. Cor. and S  $\frac{1}{16}$  cor on W Line  
Borkholder + I go to take Alice and start Meandering same  
start at  $\frac{1}{4}$  cor on S side Sec. 7

NE angle	70° 06'	Distance	490.1 N. 501.5
Right	65° 29'	✓	143.
Left	43° 42'	✓	108.
Left	44° 42'	✓	437
We intersect Nt S. $\frac{1}{4}$ Line			

SE. Angle	111° 10'	✓	284
Left	52° 27'	✓	94
✓	108° 15'	✓	294
We intersect Nt S $\frac{1}{4}$ Line <del>294</del>			

S.W. angle	10° 20'	Distance	294
Right	128° 45'	✓	
intersect	S. $\frac{1}{16}$ line		344

N.E. Angle	61° 26'	Distance	161
Right	68° 19'	✓	260

Intersect Nt S.  $\frac{1}{4}$  line

I go to Walker to get some irons arrive there at 5.30 P.M.

Stay at head quarters.

J.M. Smith

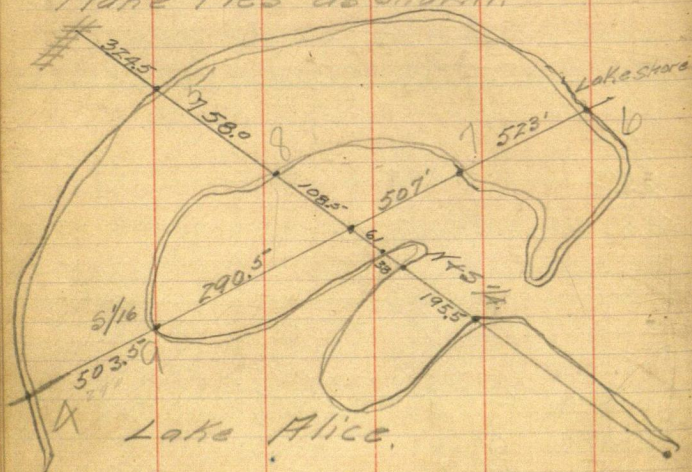


(73) 7-141-31

Wednesday, Dec. 1st 1915

Clear & Cold.

I get Grindells car and take  
20 M. S. out to Hagers. Sec. 7.  
R.E. McMahon, Hager & Burkholder.  
Make ties as shown.



P.M. we set M.C.S. for  $\frac{1}{4}$  A.C. on.  
So line Sec. 7. on West. side Set 117.6' from  
Shore mound same.

On E. Side Set 117.9.5' from shore.  
On  $\frac{1}{16}$  line set M.C. 8' from shore.  
on No Shore of lake.

On Nt  $\frac{5}{16}$  line Set 117.11' from  
Shore. on So Side of Peninsula.



Time Sheet for December  
1941-31 Sec. 7

	1	2	3	4	5	6	7	8	9
R. M. Scott.	1	1	1	1	1	1	1	1	1
B. E. McMahon.	1	1	1	1	0	1	1	1	1
W. P. Burkholder.	1	1	1	1	1/2	0			
H. C. Hager.	1	1	1	1	1	0			
G. A. G. A.	1								

H. Baldwin.									
F. N. Molyneux.							1	1	1

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7-141-31

75

Wednesday, Dec. 1, 1915 - P.M.

We also set I.M.S. on true  
Cors. at inter of  $S\frac{1}{16}$  E +  $N\frac{1}{4}$   
lines making necessary corrections  
from randoms.

Set W  $\frac{1}{16}$  lines.

quit for night.

P.M. Lott.



76

7-141-31

Thursday Dec. 2, 1915

Clear + Cool.

We set following Cors. at P. Is.  
following lines, making necessary  
Corrections from random lines.

W + N  $\frac{1}{16}$ .E + W  $\frac{1}{4}$  + N  $\frac{1}{16}$ .E + N  $\frac{1}{16}$ .S + E  $\frac{1}{16}$ .N  $\frac{1}{16}$  on E lineS  $\frac{1}{16}$  on E lineE  $\frac{1}{16}$  on S line

S.E. Sec Cor.

M.C. on So side Lake King 9' from Shore.

M.C. &amp; W. ✓ ✓ ✓ 9' ✓ ✓

Crew.

P.M. Scott.

H + B. Transit.

M.C. Mahon.

Flag.

Burkholder.

axe.

Hager.

axe.

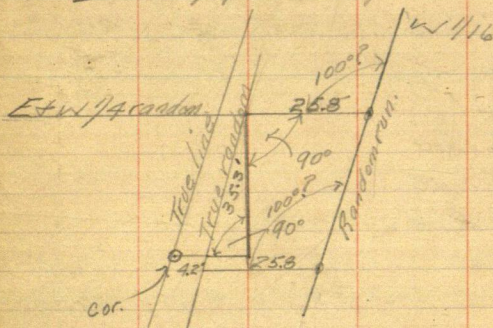
P.M. Scott.



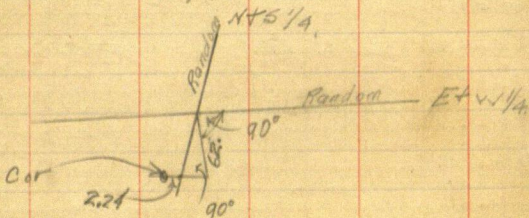
77 7-141-31  
 Friday Dec. 3, 1915  
 Clear & Cool. A.M.

We set N.T.S. along E + W  $\frac{1}{4}$   
 Line as shown.

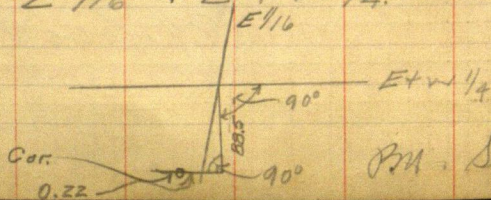
E + W  $\frac{1}{4}$  + W  $\frac{1}{16}$ .



N + S  $\frac{1}{4}$  + E + W  $\frac{1}{4}$ .



E  $\frac{1}{16}$  + E + W  $\frac{1}{4}$ .



B.M. Scott.

Friday Continued. A. 17.

Start at M.C. (S<sub>0</sub>) E line Sect.

S.W. Angle  $80^\circ$  400'

{ 100' from MC. anabare Course Starts.  
Marsh So.  
300' " " " " " So 250'  
400' Marsh ends  
MC cor. to MC on v shore @ 15'  
MC 9' from Shore.

42° Left, 300

200' Start Bay 100'Sg so to 300'

60° 45' right 151

72° 15' ✓ 523

$30^{\circ} 45'$  ✓ 663

38° 10' ✓ 500

Intersect E line 11' from Shore.

Part. Traverses Lake Alice.

Starting where we left off Nov 30

Along N+5/4 Line going No (0° 175°

70° R

71°15' W 6 41 200

93.30

71° L 0 / Δ 80

84.50 R. 492

109° 17' 51" 298

$260^\circ$   $270^\circ$   $280^\circ$   $290^\circ$   $300^\circ$   $310^\circ$   $320^\circ$   $330^\circ$   $340^\circ$   $350^\circ$   $360^\circ$

2.0 10 9. 9. 2.00

Inter. N + 50 7/4 fine.

P. 19. Scott's V.H. + B. Transit

MaMa	Flug
Hagen	Flug
Burkhardt	Flug

Wm. Scott.







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Saturday Dec. 4, 1915

Clear & Cool

P.M. Scott H+13 Transit

M. John  
Berkholder.  
Hoger.

Flag.  
A.C.  
A.C.

Traverse Lake Alice. Starting where we left off last eve.

N.W. L	94° 37'	166
L	86° 15'	160
R.	34° 10'	270
L	20° 30'	675
R.	43°	335
L	29° 30'	678
R	41° 45'	510

Intr. w 1/4 from P. 5 to 1/4 to 7.C. 391.0

M.C. to 1042 8'

L	21° 30'	648
L	47° 30'	132
R.	3° 30'	240
L	39°	208
R.	74° 10'	250
L	21° 30'	164

Intr. S. line west 17.C. 1267 M.C. 6' from Shore.

Traverse Lake Bess, Echo or. Buckrum.

On w Line S. Shore look N along w line

R.	134°	208
L.	107° 15'	370
L	65°	515
R.	46°	378
L	12° 50'	406
Intr N 1/4 line		
L	64°	415
R	48° 50'	270
L	80° 15'	214
R	19° 10'	190
L	54°	210
L	40°	625

Intr w Line

P.M. Scott.

7-141-31

81

Traverse

Lake Bass

Saturday Dec. 4. 1915 A.M. Cont.

Starting on N. side peninsula.

Looking So along true line (west)

L 55° 10' 340

R. 92° 35' 180

L 36° 25' (90' intr. N 1/16) 165

R. 54° 15' 152

R. 66° 45' 75

intr west Line Lake Bass.

Starting on W side Island.

Looking E along N 1/16 line.

R. 97° 45' 90'

L 40° 45' 160'

L 137° 05' 240 intr. N 1/16

L 5° 96'

L 48° 25' 100'

L 114° 05' 160 intr. N 1/16

P.M.

I am in office working on  
 notes. Mac. is bringing paren.  
 to town with Hager.

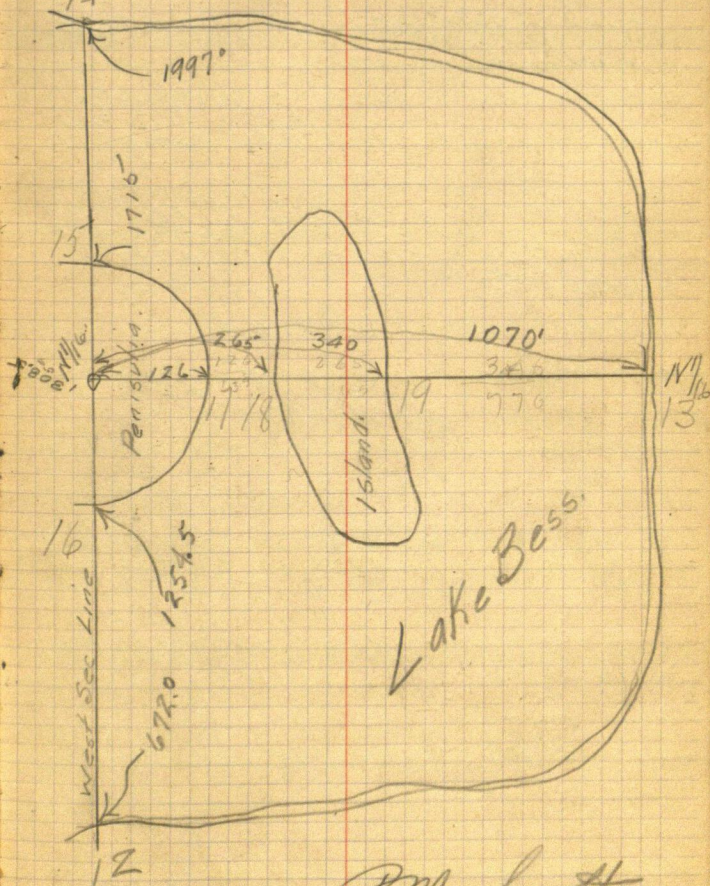
P.M. Smith.



82 7-141-31

Saturday Dec 4, 1913

14 Ties on Lake Bess.



J.M. Smith



7-141-31

83

Sunday Dec 5, 1915

Scott. + Baldwin. +  
Malynoux in office  
working on plat.

P.M. Scott.

Monday Dec. 6 1915

Scott. Baldwin, Malynoux  
and McMahon work on  
plats + acreage.

P.M. Scott.

84, 7-141-31

Wed. Dec. 8, 1915

P.M. Scott + Mr. Mahon go and  
Rerun traverses of the lakes.

Start at 12 page 82. L. Bass.

S 49° 30' E 62 Paces.

S 6° E 57 "

N 72° E 136 "

Bay goes So 100 "

Middle Bay 150 " 136. N 72° E

End Bay 60 "

N 00° 162 "

N 25° 30' E 41 "

N 47° 15' E 152 "

N 8° 30' E 39 ← 13

N 37° 15' W 110 "

N 1° E 46 "

N 17° 15' E 55 "

N 71° W 61 "

N 39° 15' W 58 "

N 89° 15' W 71 "

S 40° W 114 "

S 50° W 72 → 14

S 50° E 95 → 15

S 25° W 75 → 17

S 20° 21 "

S 65° 36' W 22 "

S 68° W 22 ← 16

S 2° W 18 ← 18

S 40° 30' E 50 "

N 4° 30' W 67 → 19

N 20° W 30 "

N 71° W 21 "

S 20° 30' W 17 "

S 11° E 29 ← 18

variation 8° 30'

P.M. Scott.



7-141-31

85-

Wednesday Dec 8.

Starting at M.C. 50 line W. Shore  
Lake Alice.

N 22° 30' E	35 paces.	
N 45° 30' E	95	
N 33° W	59	
N 4° 15' W	56	
N 24° E	50	
N 12° E	46	
N 52° E	136	
N 52° E	45	} W $\frac{1}{16}$ line
N 76° 15' E	130	
N 47° E	31	
N 30° 45' E	124	
N 11° E	23	} S $\frac{1}{16}$ Line.
N 11° E	35	
N 62° E	72	
N 86° E	26	
N 12° W	27	
N 50° E	46	
N 17° 30' W	35	
N 28° 15' E	109	
N 31° E	63	
N 2° E	59	
N 85° 30' E	57	} N + S $\frac{1}{4}$ line
S 44° 30' E	39	

variation 8° 30'

P.M. Scott



7-141-31  
86' Continued.

Traverse

N 65° 30' E	56	paces.
S 60° 30' E	89	
S 96° E	44	
S 66° E	115	
S 29° 30' E	74	
S 7° 30' W	33	} S $\frac{1}{16}$ line
S 25° W	38	
S 80° 30' W	94	
S 65° 30' W	50	
N 41° 30' E	22	} S $\frac{1}{16}$ line
N 17° E	20	
N 71° E	57	
N 39° E	38	
N 29° 30' W	26	
N 77° W	65	
S 49° 30' W	61	
S 92° 30' W	49	
S 61° W	72	
S 49° W	32	
S 1° E	27	

variation 8° 30'

J M Scott.

# etrical Ratios.

Sine.	Tan.	Sec.	Cosec.	Colg.	Cosin.	
392	.1405	1.0098	7.185	7.115	.99027	82
421	.1435	1.0102	7.040	6.968	.98986	50
449	.1465	1.0107	6.900	6.827	.98944	40
478	.1495	1.0111	6.766	6.691	.98902	30
507	.1524	1.0115	6.636	6.561	.98858	20
536	.1554	1.0120	6.512	6.435	.98814	10
564	.1584	1.0125	6.394	6.314	.98769	81
593	.1614	1.0129	6.277	6.197	.98723	50
622	.1644	1.0134	6.166	6.084	.98676	40
650	.1673	1.0139	6.059	5.976	.98629	30
679	.1703	1.0144	5.955	5.871	.98580	20
708	.1733	1.0149	5.855	5.769	.98531	10
736	.1763	1.0154	5.759	5.671	.98481	80
765	.1793	1.0160	5.665	5.576	.98430	50
793	.1823	1.0165	5.575	5.485	.98378	40
822	.1853	1.0170	5.488	5.396	.98325	30
850	.1883	1.0175	5.400	5.307	.98272	20
879	.1913	1.0180	5.314	5.220	.98218	10

5-6-7-8441-31

WP 12N33E94=62.04

36N58W30=19.80

24S8W49=32.34

24S42E55=30.30

94

.66

564

49

564

.66

62.04 294

294

52.94

N 70° W

N 30° E 60.40

55

.66

330

30

36.3

49

.66

294

294

22.34

67.20

67.30

22.70

62.7

@ 8° 30' U

old DTS 5° W

5° 32' E

NW BT Red Oak 4 N 31° 15' E 62.70 / 63.70

34



247,400.00  
252.71



2543.18

186.57

380

76.2

4562.9

25303

23.8

4537.1

62.57

25.8

3 Willow S 27° W 209

3 " E 217

+ 6145.00

1000

62.9

371

17.22

103.20

6537.7

2785

34.2

25.8

34.2

34.2

34.2

61

33.95

6324.0 So.

5240.6 E

2785

61

8 Lake Buckman

9 Lake Alice

33.95

3 v King

1359.7

4600

62.9

21

41

1308.5

4537.1

51.2

25.8

1359.7

001452

41

4562.9

4537.1

25.8

271.74

6798.5

53388

13597

196428.44

Conversion 0.534  
5366 and 112000