

Field Book 187

LEVEL BOOK

Survey Notes
by
Herace Dinslow
Sec. 33-34-29

INDEX

Survey Sec. 33-144-29.

1-10

Copy of Govt Field Notes

S $\frac{1}{2}$ T144 N - R29 W.

10-29

~~7/4~~

10.90

24.90

✓

✓

✓

✓

21.50

4.00

4.50

42.5

37.5

40 X 10

30 X 15

25 X 37

05 X 75

Oct. 25, 1923

Survey of Sec 33-144-29

Lat. $47^{\circ}15'N$. Long. $94^{\circ}30'W$

From Secular Change Tables

(USGS) Special Publication No 90 page 12:

Oct 1873 Declination

Hibbing $9^{\circ}25'$
Bagley $12^{\circ}06'$ } Mean $10^{\circ}45'E$

Oct 1923 Declination

Hibbing $7^{\circ}09'$
Bagley $10^{\circ}13'$ } Mean $8^{\circ}41'E$

$$10^{\circ}45' - 8^{\circ}41' = 2^{\circ}04'$$

Var. used on original Sur $10^{\circ}35'$

$$10^{\circ}35' - 2^{\circ}04' = 8^{\circ}31'E$$

= Var. to be used now

Note:-

Declination and Var. are used
synonomously here.

Oct 27 1923

Found the 12" Cedar BT for the
S.W. Cor of Sec 33-144-29.

The tree was down and partially
buried in the sand, but the markings
were plainly visible and the roots
of tree were still in the ground

From this tree I located the point
for S.W. Cor of Sec 33 and put down
a 4 inch iron pipe imbedded in a
concrete block approx. 3ft square and
3ft deep marking the Sec. numbers
and my name on the top

thus:-

Dunaway
32 33
5 4

from which

an 8" Cedar bears N35-20E 188 ft

a 14" Spruce " N31-45W 295 ft

large pyramidal rock 10ft from shore

in Lake bears S56-50E 122 ft

Both Trees are blazed

Witnesses to this newly^{re} established
corner were Mr. and Mrs.

W. S. Moscrip Lake Elmo, Minn

H. M. Zaiser Federal Dam "

Frank Getchell Bemidji "

Edw. Rawley Federal Dam "

L. C. Simons St. Paul "

Dr. Erb (State Timber Dept) Cass Lake, Minn

John Greene, Co Surveyor Walker "

Horace Dunaway Elbow Lake "

Oct 29 1923

Var 8° 30' East

at SW Cor Sec 33-144-29
thence East to shore of Leech
Lake 185 ft.

at SW Cor Sec 33-144-29
thence North
150 ft enter E. edge Birch & Balsam
350 " leave " " "
and continue in swamp
2640 ft. No trace of 1/4 corner
2740 ft. Leave swamp, enter poplar ridge
3200 ft Enter small round swamp
3350 ft Leave " " "
3700 ft Ascend to Birch & poplar high
ground
4050 " Sucker Bay road
5097 " Cross Line cut E&W
5275 To 2^d line " "
and call this point Sta. A

3

Note:
No trace of Sec. Cor. or Bearing
Trees, and no Tamarack Trees at all.
in this vicinity.

Var 8-30 E

4

Oct 30 1923

From Sta A (preceding page)
I ran N 81-35 W 1804 feet to
a North and South line, cut from
N.W. Cor of Sec 28 to the South
line of the Township, and
set Station B.

Then I followed North on this line and
found a stake at N.W. Cor of Sec 28
Witnessed by two original Bearing Trees
the Birch and the Elm
Thence I measured along said N & S. Line

S 2-45 W
4721 feet to point called Sta D
5009 " to Sta B.
5274 " to point called Sta C-
Thence due East 1798' to Sta A

716 trace of 1/4 Sec Cor. at 2640

Var $8^{\circ}30' E$

-6

Oct 31 1923

Begin at a point 178 ft South
of Sta. A

Thence by $275^{\circ}30' = S89^{\circ}30'E$ 570 ft

Thence $180^{\circ}10' = N0^{\circ}10'E$ 2371 "

to an angle in old cut line

Thence $N2^{\circ}40'E$ 3038 ft

to pt. marked for $\frac{1}{4}$ Cor. on the
North side of Sec 28

Note No indication of any original
witness trees and this point
is about ¹⁰⁰300 feet too far South
according to the location of
the Northwest Cor. Sec 28
Also about 375 feet too far west.

From this point I followed an
old cut out line $267^{\circ}00' = N87^{\circ}00'E$
400 ft cross Logging road

1278. cross old cut out line N & S.

2300 " to " " " " N & S.

Thence $S0^{\circ}20'W$ 129 ft

to a post for N.E. Cor Sec 28.

see letter p 10 J. M. Greene.

At this point, which is $S89^{\circ}30'E$
2296 ft from the $\frac{1}{4}$ Cor. noted
above, there are no signs
of witness original witness trees
and I do not believe either one
of these corners is correct, tho
they have been well marked

H. Dunaway

Jan 8-30 E

7

Nov 1 1923

Beginning at Sta A (See sketch page 5)

Thence due West

550 ft cross tote road
1675 " " old blazed line
1798 " to Gatchell line at Sta C. 264 ft
south of Sta B and 553 ft
South of Sta D

At a point 773 ft due West of Sta A,
I drove a 1/2" iron pipe and marked
Bearing Trees to reestablish the N.W.
Cor. of Sec 33.

This point is on a straight line ^{half way} between
the S.W. Cor. of Sec. 33 & N.W. Cor. of
Sec 28 and half way between these
two known Corners.

(See Note & sketch page 5)

B.T. 16" Poplar bears N.W. 16.5 ft.
" 14" " " S.W. 25.6 ft
" 10" " " S.E. 24.8 ft
" 14" " " N.E. 26.3 ft

All trees Blazed and marked
with a cross X (No nails)

Var. 8-30 E

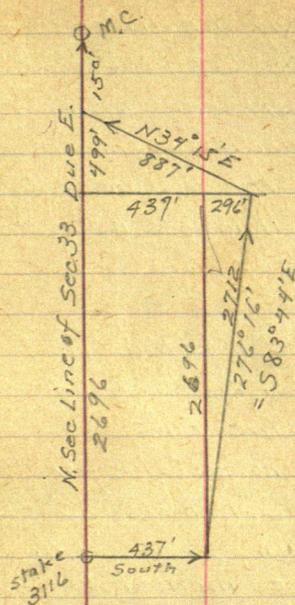
North Line of Sec 33

Beginning at Northwest Cor
of Sec 33 as now reestablished

Thence due East

- 773 ft Sta A.
1183 " Enter narrow neck of swamp
1283 " leave " " "
1343 " Cross a N&S. cut out line
2663 " Bottom of ravine running South
*3116 " Stake in East edge of logging road
(3700 " Beginning of Swamp
*3300 " Approx. end of Cutting by logging Co.
6461 " to Point for Meander Corner
It is 1100 feet further across the
sand to the lake shore (Lax Water,
Leech Lake)

8



* From Stake at 3116 ft. (opposite page)
I ran the line through to the Lake and
to the M.C. as indicated by the arrow
heads in the above sketch, as this
line was already cut out, and later
then ran ahead on Sec Line far
enough to set the 1/4 Sec. Cor.

North Line of Sec. 33 Contd.

After getting the distance from the N.W. Cor. of Sec. 33, due East to the Meander Cor. at Leech Lake 1 set marks for Subdivision Corners, as follows: proportioning the distances to correspond with distances as given in the Original Survey Notes.

Beginning at the N.W. Cor. of Sec. 33 or the Cor. for Secs. 28-29-32-33

Thence due East

2067ft set iron stake for $\frac{1}{16}$ Cor.

a 12" Maple bears S 2° 05' E 26 $\frac{3}{4}$ ft

6" " " N.W. 15 $\frac{1}{2}$ ft

Both trees marked with a cross X

4134ft set iron stake for $\frac{1}{4}$ Cor bet^{N. 1/2 Sec.} 28 & 33

a 6" Poplar bears S.W. 4.7ft.

6" " " N.W. 12.5ft

Both trees blazed and marked with nail in cross X

6461ft set stake for M.C. (wood)

18" Tamarack Stub S 55° E 17ft

16" Cedar N 55° W 56ft

Trees are dry

Trees blazed & marked with Nails

State of Minnesota }
County of Grant } SS.

Horace Dunaway, being first duly sworn, says that he is now and during the last past twenty years has been a Civil Engineer and Surveyor; that between the 25th day of Oct. 1923 and the 9th day of Nov. 1923, he made a survey of the following described land:-

Sec. No. 33, Twp. 144 N., R. 29 W. of the 5th P. M., in Cass Co. Minn. That at the time of making such survey, he made field notes and memoranda thereof and that the foregoing field notes and memoranda is a true and correct copy and statement of such field notes and survey so made at that time, and that the same is a full, true and correct statement and copy of said field notes and survey so made. That permanent monuments were set on the ground as shown in the field notes.

Horace Dunaway

Subscribed and sworn to before me this 5th day of December 1923.

E. J. Scofield (E. J. Scofield)
Notary Public, Grant Co., Minn.
My Commission expires May 17, 1925.

December 10, 1925.

Mr. John Greene,
County Surveyor,
Walker, Minn.

Dear Sir:-

Referring to the book of notes which I mailed you on the 7th inst., for recording.

On page 6 there is a note reading:- "No indication of any original Witness trees and this point is about 300 feet too far South according to the location of the N.W.Cor. of Sec. 28, also about 375 feet too far West."

In this note the distance ~~is~~ "300 feet too far South" should read "100 feet too far South"

Will you kindly change this 3 to a 1, I am making this correction on the copy ~~of~~ that I retained.

Yours truly,

Horace Dunaway

Copy of Gov't Field Notes of
the South 1/2 of Tp. 144 N. R. 29 W

Post Cor. Tps. 143 & 144 R. 29 & 30

Cedar 20" N. 41 E. 11 lks.

" 18" N. 43 W. 14 "

Fir 14" S. 34 W. 12 "

" 10" S. 8 E. 9 "

South Boundary

East true line bet. secs 6 & 9

Var. 11° 10' E.

28.00 Cedar & Tam. Swps brs N. & S.

40.00 Set 1/4 Sec. post

Cedar 4" N. 54 E. 13

" 4" S. 57 W. 9

70.00 Lv. swamp

80.00 Set Post Cor. 5-6-31-32

Cedar N. 88 E. 20

Fir N. 64 W. 8

Fir S. 63 W. 15

Cedar S. 60 E. 18

Tam. Cedar Maple Birch

Surface level, Soil good

East true line between
Secs 5 & 32 Var. 11° 10'

40.00 Set 1/4 Sec. post

Y. Birch 14 N. 80 W. 13

" " 8 S. 82 W. 8

44.00 Creek 12 lks. wide runs S. E.

Windfall, Cedar & Tam. swamp

80.00 Set post Cor. Secs

4-5-32-33

Cedar 15 N. 85 E. 75

" 12 N. 79 W. 55

" 7 S. 87 W. 83

" 8 S. 87 E. 49

Surface level & wet.

Soil 2nd rate

Cedar, Tamarac, Maple & Birch
timber.

East true line bet.
Sec's 4 & 33

2.00 Iv. Swamp brs. N. & S.
and across sand ridge

4.00 Int West bank of
Leech Lake and set
post for M.C. for
fractional Sections
4 & 33

W. Birch 5 N. 79° W 180

" " 4 S. 82° W 186

Sandy beach, Rushes & grass
growing near shore in lake

July 19-1873

West Boundary

North true line bet.

Sec's 31 & 36 Var. 10° 45' E.

25.17 Intersect south bank of
Leech Lake & set M.C. for
fractional sec's 31 & 36

W. Oak 14 N. 51° E. 23

W. Birch 12 S. 26° W. 51

Timber - Birch, Maple, Oak
Lind. Surface rolling, good
soil. Cause flag to be
set line on North bank

180
180
179.46

24

264
118
145

12

of lake. Offset east
10.00 chains. - Course
brs. on flag N. 4° 50' W.
distance over lake 118.26

40.00 Point for 1/4 Cor. in Lake

80.00 " " Sec. " " "

North true line bet.
Sec's 25 & 30 Var. 10° 55' E.

40.00 Point for 1/4 sec. Cor.
in Lake.

63.43 North bank of Lake, set
post for M.C. to frac. sec's
25 & 30 W. Birch 5 N. 19° W. 20
Spruce 5 N. 42° E. 12

80.00 Set post cor. sec's
19-24-25 & 30

Sugar Maple 6 N 75° E. 30

" " 4 N 10° W. 14

" " 4 S 40° W. 16

W. Elm 20 S 57° E. 21

Surface rolling, soil good
Timber - Maple, Elm,
Spruce, Birch, Cedar,

North true line bet. 19 & 24

40.00 Set $\frac{1}{4}$ Sec Post. Var. $10^{\circ}55'E$.
Sugar Maple 6 N. $50^{\circ}E$, 17
" " 4 S. $58^{\circ}W$, 25

80.00 Set Post Cor. to Sec's
13-18-19-24

Fir 5" N. $56^{\circ}E$ 10
Lind 4" N. $13^{\circ}W$ 20
Sugar Maple 4 S. $75^{\circ}W$, 12
Y. Birch 24 S. $20^{\circ}E$, 26
Sugar Maple, Fir, Birch, Oak
and Lind.

Surface level, soil good.
July 2-1873

P. H. Conger - Deby Surveyor.

Sub-division Lines

13

Post Cor. 13-14-23-24

Tam 6 S. $19^{\circ}W$ 20

" 6 S. $27^{\circ}E$, 31

" 5 N. $13^{\circ}W$, 80

" 5 N. $21^{\circ}E$, 38

East betw. Sec's 13 & 24
Var. $10^{\circ}30'E$.

40.00 Set $\frac{1}{4}$ sec. post

Tam 3 S. $190^{\circ}E$, 73

" 3 N. $13^{\circ}W$, 67

40.97 Intersect Leech Lake
and set post for M.C.

Tam 6 N. $70^{\circ}W$, 81

Poplar 4 S. $87^{\circ}W$, 76

All cedar & Tam. Soil 3rd date.

South between Sec's 23 & 24

19.03 Intersect Var. $10^{\circ}30'E$

Leech Lake

Set post for M.C.

Poplar 5" N. $17^{\circ}E$ 83

Tam 4" N. $36^{\circ}W$, 70

Oct. 16

West true line bet secs

14 & 23 Var. 10°30'E
 40.00 Set 1/4 Sec. post
 Spruce 4 N. 11°W 18
 Tam 6 S. 22°E 40
 70.00 Leave Spruce swamp
 80.00 Set Post Cor. Sec's
 14-15-22-23
 Maple 7 N. 55°E 11
 " 6 S. 56°E 17
 Linden 13 S. 21°W 18
 Maple 3 N. 23°W 12
 Surface level soil
 unfit for cultivation

South true line bet. 22 & 23

Var. 10°30'E
 40.00 Set post for 1/4 Sec. Cor.
 Maple 6" N. 20°E. 18
 Basswood 6" S. 22°W. 30
 50.00 Enter tam & cedar
 swamp.
 75.46 Intersect Leech Lake
 & set M.C.
 Elm 6 N. 27°E. 48
 Ash 12 S. 37°W. 57
 Surface level soil 1st rate
 Timber general assortment

West true line bet

Sec's 15 & 22

40.00 Set $\frac{1}{4}$ sec. post
Birch 6 N. 45 W 9
No other trees near

80.00 Set post Cor. 15-16-21-22

Ash 7 S. 53 E 28

Poplar 10 N. 67 E 21

" 9 N 33 W 34

Maple 6 S. 52 W 31

Surface rolling, Soil 2nd Rate

South true line bet.

Sec's 21 & 22

15.00 Enter Tam. Swamp Var. $10^{\circ}30' E$

30.00 Leave swp. N. W. - S. E.

Enter dead Poplar & Pine
E. & W.

40.00 Set $\frac{1}{4}$ Sec. post

Maple 6" N. 65° E 37

Ironwood 3" N. 35° W 42

80.00 Set post Cor 21-22-27-28

Balsam 4 N. 56 W. 27

" 4 N. 80 E, 15

" 4 S. 59 W. 10

" 5 S. 14 E, 33

Rolling, General Assort-
ment of timber.

Soil 2nd rate,

East true line bet

Sec's 22 & 27 Var. $10^{\circ}35'E$

4.00 Enter dead Tam. sup. N.E.S.

15.00 Windfall N. & S

40.00 Set $\frac{1}{4}$ sec. post

Cedar 10 N. $8^{\circ}E$. 11

Tam 6 S. $20^{\circ}E$. 19

65.46 Intersect Leech Lake

& set M.C.

Mable 6" N. 70 W 36

Cedar 5" N. 85 W. 46

Level, Soil unfit for
cultivation.

South between 27-28

Var. $10^{\circ}35'E$

17.00 Enter Tamarac windfall

N.E. & S.W.

40.00 Set post for $\frac{1}{4}$ Sec. Cor.

Tam. 5" S. $65^{\circ}E$. 8

No other tree standing.

68.80 Intersect Leech Lake

and set M.C.

Cedar 10 N. $17^{\circ}E$. 54

" 3 S. $87^{\circ}W$. 63

Timber, Ced-Tam. Soil 3rd rate

North betw. Sec's 32 & 33

Var. $10^{\circ}35'E$.

6.00 Enter Tam Sub.
40.00 Set $\frac{1}{4}$ sec. post
Tam stub $4''$ S. 11 W. 119
" " $6''$ N. 29 E 206
80.00 Set post Cor. to Sec's
28-29-32-33
Tam 6 S. 42 W 32
" 8 N. 40 W 43
" 6 S. 25 E. 26
" 7 N. 22 E 11

All swamp, surface
level soil worthless.

17

East true line bet.

28-33 Var. $10^{\circ}35'E$

40.00 Set Post for $\frac{1}{4}$ Sec. Cor.
Dead Cedar Root N. 22 E, 6
62.51 Intersect Lake and set
post for M.C.
Dead Cedar 12 N. 73 W 84
" Tam 14 S. 84 W, 76
Timber all dead and much
of it fallen - Soil unfit
for cultivation - Oct. 22.

North bet. sec's 28 & 29

Var. 10235'E

- 5.00 Leave windfall S.W. & N.E.
15.00 " dead pine N.W. & S.E.
40.00 Set 1/4 Sec. Post
Spruce 12" N. 76° W. 20
No other trees near
79.00 Leave Low bottom land,
80.00 Set Post Cor. Sec's
20-21-28-29
Birch 16 S. 15° W 54
Elm 12 S. 23° E, 58
Maple 6 N. 26° W 17
Basswood 6 N. 10° W. 37

East Random between

21-28. Var. 10235'E

- 40.00 Set temp 1/4 Sec. Cor
80.17 Intersect 38 lks south of
cor. to 21-22-27-28
S. 89° 44' W, true line bet.
sec's 21 & 28.
23.00 Enter bottom land
30.00 Creek 5 lks wide runs South
38.00 Leave swamp N. & S.
40.108 Set 1/4 Sec. post
Balsam 7" S. 45° E. 23
" 3" N. 75 E. 18
80.17 Cor to Sec's 20-21-28-29
All swamp - worthless.

North bet. Sec's 20 & 21

Var. 10°35'E.

40.00 Set 1/4 Sec. post
Maple 5 N. 30 E. 8
Poplar 3 S. 27 W. 13
70.00 Leave Hardwood Land
80.00 Set post Cor. Sec's
16-17-20-21
Ash 7 S. 53 E. 28
Poplar 10 N. 67 E. 21
" 9 N. 33 W. 34
Maple 6 S. 52 W. 31
Rolling 1st rate, Asstd Tim
& scat Pine

19

North between 31 & 32

40.00 Set 1/4 Sec. Post Var. 10°35'E.

Maple 6" S. 17 1/2 E. 19
Ironwood 3" N. 9 W. 27
80.00 Set post Cor. Sec's
29-30-31-32
Basswood 16" N 23 W 38
Ironwood 4" N. 67 E. 22
" 6" S. 11 E. 28
Balsam 5" S. 47 W. 16
Rolling Soil 1st Rate
Tim, Gen Asstmt, Hardwood

East Random bet. Sec's

29-32 Var. $10^{\circ}30'E$.

40.00 Set temp. $\frac{1}{4}$ Sec. Cor.
80.27 Intersect 16 lks N. of Cor.
to Sec's 28-29-32-33
N. 89°53 W. true line
between 29-32

5.00 Enter Tam. swp. S.W.-N.E.
40.13 Set post $\frac{1}{4}$ Sec. Cor.
Cedar 12" S. $10^{\circ}E$. 22
70.00 Leave tam. swp. N.E.-S.W.
80.27 Cor. Sec's 29-30-31 & 32
All tam. & Cedar swamp
Surface level, Soil 3rd rate

North bet. 29 & 30

Var. $10^{\circ}30'E$.

40.00 Set $\frac{1}{4}$ post
Balsam 6 S. 39 E. 12
" 4 N. 10 W. 9
55.00 Leave Hardwood
68.00 Enter marsh S.E.-S.W
71.00 Lv. Marsh
80.00 Set post Cor. to Sec's
19-20-29-30

Tam. 6 S. 47 E. 24

Ash 5 S. 44 W. 105

Tam 12 N. 50 W. 39

" 4 N. 17 E. 21

Surface rolling, soil 2nd rate
Timber, general assortment.

West true line bet

Sec's 30-31 Var. 10°30'

- 40.00 Set 1/4 Sec. post
45.70 Intersect Leech Lake
& Set M.C.
Ash 6 S. 70° E. 36
Elm 4 N. 68° E 27
Rolling, Soil 1st rate
Timber gen'l assort. Hardwood.
Oct. 25

East Random bet. Sec's

20-29 Var. 10°35' E.

- 40.00 Set. temp. 1/4 Sec. Cor.
79.76 Intersect 34 lks south
of Cor. to Sec's
20-21-28-29 & run
S. 89°45' W. true line
between 20-29
23.00 Enter Tam. swamp. N. & S.
39.88 Set 1/4 Sec. post
Balsam 4" S. 73° E 35
" 6" N. 70° W 28
55.00 Leave swamp
79.76 Cor. to Sec. 19-20-29-30
Surface level, Soil 2nd rate.

West Random bet Sec's

- 19 & 30 var. $10^{\circ}30'E$,
40.00 Set post $\frac{1}{4}$ Sec. Cor.
80.05 Intersect 9 lks North
of Cor. to Secs 19-30
and run
N. $89^{\circ}56'E$, true line
bet. sec's 19 & 30
var. $10^{\circ}30'E$.
40.05 Set post for $\frac{1}{4}$ Sec. Cor.
Balsam 5 N. $62^{\circ}W$. 6
" 6 S. $55^{\circ}W$. 8
75.00 Leave good farm land
80.05 The Cor. to 19-20-29-30
Surface level, Soil 1st rate
Gen. Ass't timber, farm
land Oct. 26

22

North between Sec's 19 & 20

- var. $10^{\circ}35'E$.
20.00 Leave bottom land and
enter scrubby timber
and brush.
40.00 Set $\frac{1}{4}$ sec. Cor.
Birch 6 S. $68^{\circ}W$ 31
" 6 N. $34^{\circ}E$. 36
75.00 Leave scrubby timber
and enter good
hardwood timber.
80.00 Set post Cor. to sec's
17-18-19-20
Poplar 12 N. $45^{\circ}W$. 31
" 7 S. $19^{\circ}W$. 39
Maple 6 N. $69^{\circ}E$. 26
Birch 6 S. $44^{\circ}E$. 17
Surface level, Soil good,
Timber gen'l asstmt of
Farm land timber.

East Random bet.

Sec's 17 & 20 var. $10^{\circ}35'E$

40.00 Set temp $\frac{1}{4}$ sec. Cor.
79.91 Intersect 23/ks N. of
Cor. to Sec. 16-17-20-21
thence N. $89^{\circ}50'W$, true
line between sec's 17-20
var. $10^{\circ}35'E$.

39.96 Set $\frac{1}{4}$ sec. post
Elm. 4 S. 3 W. 4
Balsam 4 N. 63 E. 12

46.00 Leave farm land, enter
cedar.

62.00 Leave cedar swamp.

79.91 Cor. to Sec. 17-18-19-20

West Random bet.

sec's 18 & 19 var. $10^{\circ}30'E$.

40.00 Set temp. $\frac{1}{4}$ sec. Cor.
80.09 Intersect 23/ks south
of Corner. to Sec's 18-19 & run
S. $89^{\circ}50'$ East true line bet
18-19 var. $10^{\circ}30'E$.

40.09 Set $\frac{1}{4}$ Cor. stake
Balsam 10" N. $9\frac{1}{2}'W$ 24
" 4" S. 31 E. 38

80.09 The Cor. to sec's 17-18-
19-20

Surface rolling soil
1strate Timber, general
assortment of Hardwood
Some good Pine.

P. H. Conger, Depy Surv'y
1873

Survey commenced
Oct. 16, 1873
Completed Nov. 2, 1873

Meanders in Sec 33

N. 31 E 20 Try 59
 N. 26 E 20
 N. 43 E 24.50
 N. 29 E 15
 1402.5' N. 46 1/2 E 21.25 M.C. 28-33
 100.75

Sec. 28

N. 37 1/2 E 10
 N. 73 1/2 E 12 M.C. 27-28
 22

Sec. 27

N. 46 1/2 E 22
 N. 52 1/2 E 10
 N. 30 E 19
 N. 2 E 11
 N. 53 E 15.50
 N. 70 E 13.50
 N. 38 E 9.50
 100.5

N.	E	
17.14	10.30	4
17.98	8.77	58.46
		<u>17.60</u>
17.86	16.71	80.06
13.12	7.27	
14.64	15.41	
<u>80.74</u>	<u>58.46</u>	
7.93	6.09	
<u>3.41</u>	<u>11.51</u>	
11.34	17.60	

Longest stretch of clearly defined shoreline is

On Easter Sunday, 1924
the the undersigned witnessed
down tamarack trees, one S.E. 17th
located the old tamarack stumps
corner to Secs 28-29-32-33

This corner is 164 feet
going north to the corners,
sections 20-21-28-29 also to
New B.T.s set as follows

- 10" Spruce N. 10° W. 238
- 8" " N. 4° E. 231.8
- 6" Tam S. 16° W. 57.6

Large rock set for corner
 Alex Mc Kenzie
 J. J. Neesh
 James Falgout
 W. J. Mowell
 W. P. Hayden

April 30, 1924
 O.K'd by J. M. Greene
 Frank Cajone
 Ed. Rowley
 Horace Duraway
 Wm. Jude
 Mr. Mascip

the scribes in the two old
 feet and the other S.W. 2/1' also
 to the N.W. + N.E. locating the
 east of a line running on 8°
 original corners to
 corner to sections 8-9-16-17

Elw. Pothey C.E.
 Minneapolis
 J. E. Mullen C.E.
 Willmar

April 30, 1924

Bearing of Dunraway's line
N. 82° E. 0° Var. N. 81° E

& between Gatchell's Line

and Dunraway's line = 87° N.E.

861' True Cor. to point on line

Checked & between E. & W.

Line and N. & S. Line from

1797 to Gatchell's line

164

1633 to Cor. True

2898 Nail in stump.

2928.9 A.K.A.

3525 valley - draw

X R 39769 to offset stake

89941 5.9° 19' E along offset line

X L 83939' N. 87° 02' E along Gatchell
line to lake 5.9° 19'

at sta 2640 Kibbey's

1/4 Cor. sets south 54'

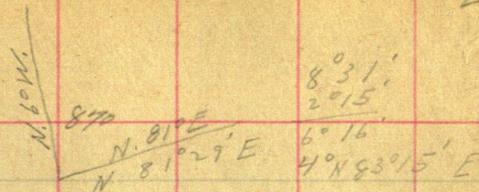
54+7 = distance south from

true cor. of Kibbey's Cor.

Bearing of Kibbey's line

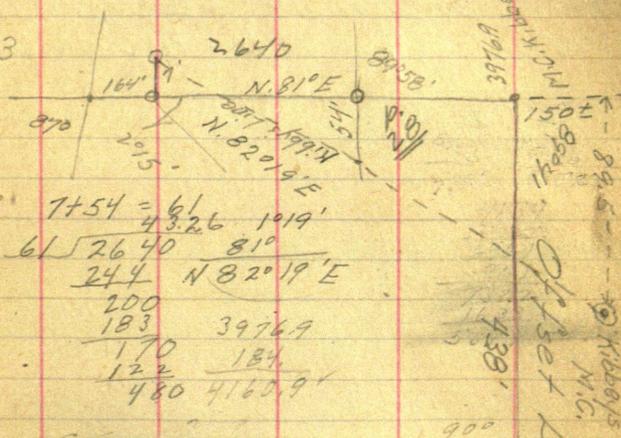
N. 82° 19' E. 0° Var.

27



X Gatchell's line = N. 6° W
between N.W. Cor. 28 and S.W. Cor. 33

S.W. 33



7+54 = 61	1019'
43.26	
61	2640
244	N 82° 19' E
200	
183	39769
170	
122	184
480	41609'

4116' to Kibby M.C. 89.5'S.

Gatchell Line

John M. Lynch.

April 30, 1924

Wm Jude - chain
John M. Greene - Transit
Frank Cajins - chain

East 153'

44°25' L 310.6 N.45°35' E

21°21' R 548.0 N.66°56' E

19°35' L 346.7 N.47°21' E

20°37' R 622.0 N.67°58' E

10°24' L 223.5 N.57°34' E

26°43' L 549 N.30°51' E

19°11' R 459 N.50°02' E

House
372'

25°25' L 721.4 N.24°37' E

30°19' R 1167.3 N.54°56' E

11°30' L 304.4 N.43°26' E

11°23' R ~~607.0~~ ^{507.8} N.54°49' E

9°58' L 352.4 N.44°51' E

17°35' L 500.0 N.27°16' E

18°34' R 138.9 N.45°55' E

32°37' L 151.7 N.13°18' E

288 to 0 32°41' R 2673.2 N.84°0' W

33°39' R 438 N.0°15' W

89°4' L 2343.0 West

30° L 527.5 South

649

Checked by J. M. Greene
H. A. Zaiser
May 19, 1924

Weather - Fine

29

	N.	E
S.W. Cor	0.0	0.0
North	0.0	153.0
South	217.4	374.9
East	432.1	879.1
West	667.0	1134.1
	900.4	1710.7
	1080.3	1899.4
	1492.6	2180.9
	1787.4	2532.7
	2443.2	2833.3
	3113.8	3788.6
	3334.8	3997.9
	3626.6	4412.8
	3876.4	4661.3
	4320.9	4890.4
	4417.3	4990.2
	4564.9	5085.1
	2659	4843.6
	2.4	5281.6
	2343.0	
	5275.0	5085.1
	5281.6	5275.0
		5004.4

John M. Greene

Proportional
Line between

$$\frac{7465}{110} = \text{Total distance}$$

121.1806

$$\begin{array}{r} 62.51 \overline{) 7575} \\ \underline{6251} \\ 13240 \\ \underline{12502} \\ 7380 \\ \underline{6251} \\ 11290 \\ \underline{6251} \\ 50390 \\ \underline{50008} \\ 38200 \end{array}$$

7575
4126
3449

2423.6" 2898 - 474.4

4847.2" 4700 + 147.2

7575.0 M.C.

110' E. of 2" pipe on
seawall.

Measurement 73.44'

33-28 1.836'

$$\begin{array}{r} 1320 \overline{) 2423.6} \\ \underline{1320} \\ 1103.60 \\ \underline{10560} \\ 4780 \\ \underline{3960} \\ 8000 \\ \underline{7920} \\ 0800 \end{array}$$

121.1806 - 1

22.51 - 1

121.1806

6059030

2423612

2423612

2727775306

4847.224

7574.999

dead 0' var.
Cedar 7 N.15W. 29'
7465 I.M. Ced. stp 6 N.50W. 27.7'
note - a 9" cedar tree
back of stp.

May 1 1924

at 2423.6 (Chaining E. from True Cor ²⁹²⁸ 32133
set 2" pipe 6ft North of my
former North line of Sec 33
for $\frac{1}{8}$ ^{Sec.} Corner

7" Birch bears N 35° E 4.7 ft

8" Birch " S 35° W 18.1 ft

} Var. zero

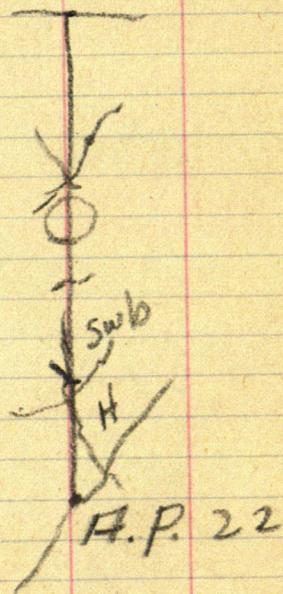
at 4847.2 set 2" pipe 5ft. North of my
former North line of Sec. 33
for $\frac{1}{4}$ Sec Corner

5" Balsam bears N 30° W 35.5 ft

9" Birch " S 20° E 24.3 ft

} zero var.

Horace Danaway



North - 17p 22
0-290 Hard way
2+90 Swamp
5+33 old down
Tarn

6+50 higher
ground

Still in cedar
wind fall - badly
burned. Island

7+22 - Swamp

7+69 - ridge

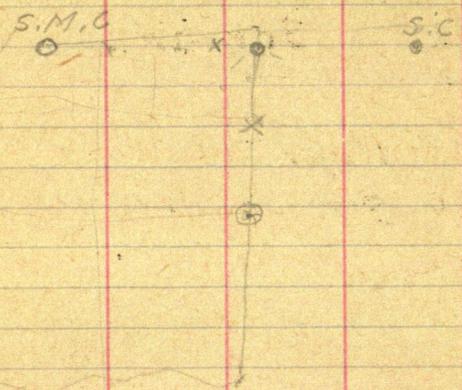
on L. Swp. on Right.

8 - Swp 60 R

430

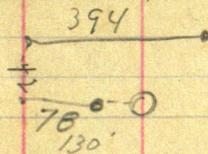
6 | 2T. $\frac{4}{16}$
0-----
Scribed.

- 2-58 slight sea wall
- 4-60 sea wall-ridge of trees
- 8-00 " " " " brush
- weeds



17°12'

	3,226
1634	5281
	4902
	3790
	3268
	4220
	3260
	9520
	5528 ✓
95519	528100
	477595
	505050
	477595
	274560
	191038
	835120



15.00
5.00

60
13
73

23.28
60
80
47.30
32.70
80
58.06
21.94
80
<u>483.28</u>

40.1
91.72
80.00
3.70
<u>215.52</u>

32.70
80
58.06
<u>170.76</u>
215.52
<u>44.76</u>

83.25
69.14
14.11

29	17
40	
80	
39.90	
40.10	
91.72	
80	
<u>76.30</u>	
477.19	
101.94	
171.72	

39.90
<u>32.70</u>
7.20
47.30
<u>39.90</u>
7.40

101.94
<u>76.30</u>
24.58

The government has from time to time issued so-called supplemental plats showing resurveys and also showing the cutting up of fractions for the purpose of cutting into smaller tracts for indian allotments. At the State Sanatorium Sec. 2-141-31, a resurvey has been made but in no case has the acreage been changed, except on petition of property holders.

Oct 30 - X 1923

April 30 - 1924

May 1 - 1924

May 19 - 1924

90

17

73

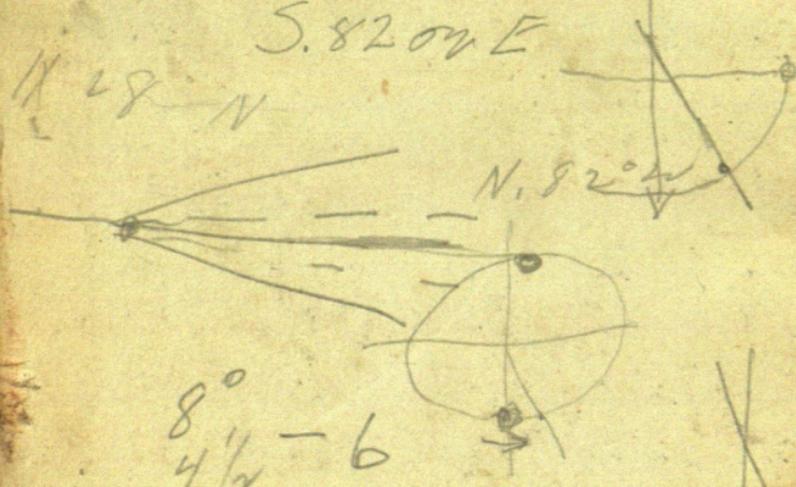
N 88° E

N 73° E. N 82° E

S 89° E. S 85 1/2° E

S. 82 1/2° E

N 28 N



~~N~~

May Full