

T. W. H. C. 311
BOOK 2

CORNER
STATION
46 N R 31 W



MINING
TRANSIT BOOK
No. 384

BOOK 2

Book #2

USFS

T146N R31W 57A P.M.
BELTRAMI COUNTY MINN.

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COLORED NUMBERS REFER TO
PAGE ON WHICH NOTES FOR
THAT CORNER MAY BE FOUND.

1.

West $\frac{1}{16}$ Cor. Sec. 22 - 27

Notes of G.L.O. Resurvey of 1952.
by prop. distance set on Iron
post. 3' long 1" ϕ w/ brass Cap
M.H.D.

W $\frac{1}{16}$ S 22
S 27
1952

N. Pine 12" S1°W 53 145' 34.98'

J. Pine 12" S75 $\frac{1}{2}$ °W 195 145' 128.70'

Center Quarter Cor. Sec 22-27
 Notes of G.L.O. Resurvey of 1932.
 From Remains of Orig B.T.s set
 an iron post 3' long 1" ϕ
 w/brass cap M.H.D.

$\frac{1}{4}$ $\frac{S 22}{S 27}$
 1932

"Orig B.T.s"

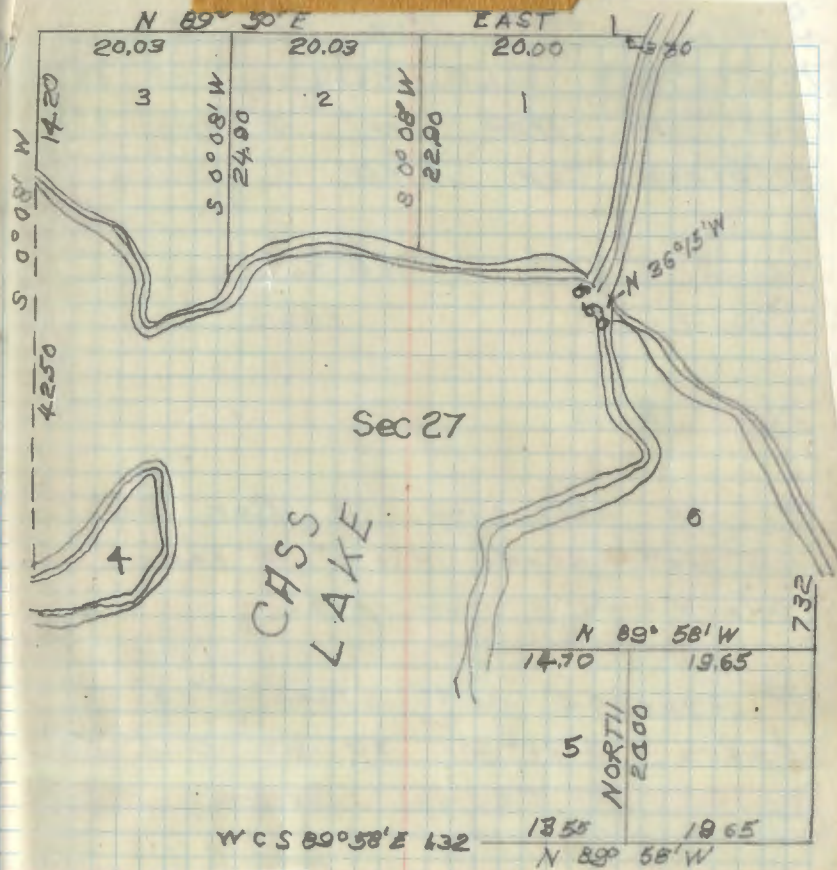
J. Pine stp 14" N 67° E 75 1/2 - 49.50'

J. Pine stp 6' ht. 14" S 78° E 38 1/2 - 25.08'

"New B.T.s"

J. Pine 8" N 87 1/2° E 71 1/2 - 46.86'

J. Pine 9" S 9 1/4° W 20 1/2 - 13.20'



3 21-16

South East $\frac{1}{6}$ Cor. Sec. 27.

Notes of G.L.O. Resurvey of 1932.

Set an iron post 3' long 1" ϕ
w/brass cap MKD

Found in good SE $\frac{1}{6}$ S 27
Condition 1932

No. B.T.s

As an accessory to Cor. Set
an oak stake 4" x 4" 9' long
along side iron post.

A squared oak stake 3" x 3"
bears S 15° W 38 1/4 S Dist. 25.08'
Found at record bearing & dist.

To perpetuate this Corner I
set a steel sign post 72" long
Set 24" in. ground w/signs
54-4 E 1525 due south 10.0'

10-15-65
James E. Brown

Affidavit

1-18-67

Site

4 21-15, 16

Meander Cor. Sec. 27
ON The East West Center Line
of The SE 1/4 of Sec. 27

Notes of G.L.O. Resurvey of
1932. by prop distance set
an iron 3' long 1" ϕ w/brass
Cap M&D.

0	S	S
2	27	S

1932

No. B.T.s Not Found

As an accessory to Cor. set a
4" x 4" Ash stake along side Cor.

Corner Falls out in Lake
75'

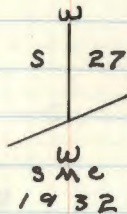
10-15-66

James Eketun

5

Meander Cor. Sec. 27 North Shore
Cass Lake
"Allens Bay"

Notes of G.L.O. Resurvey of 1932.
Set on Iron post 3' long
1" ϕ w/ brass cap MND.



No. B.T.s

As an accessory to Cor. Set a
4" x 4" Cedar post along side of
Iron post.

6 Q-13

South $\frac{1}{16}$ Cor. Sec. 21-22.

Notes of G.L.O. Resurvey of 1932.
by prop distance set an
Iron post 3' long 1" ϕ w/
brass cap MKD.

Found in place top
1" under ground
6 feet west of
ditch of N-S road.

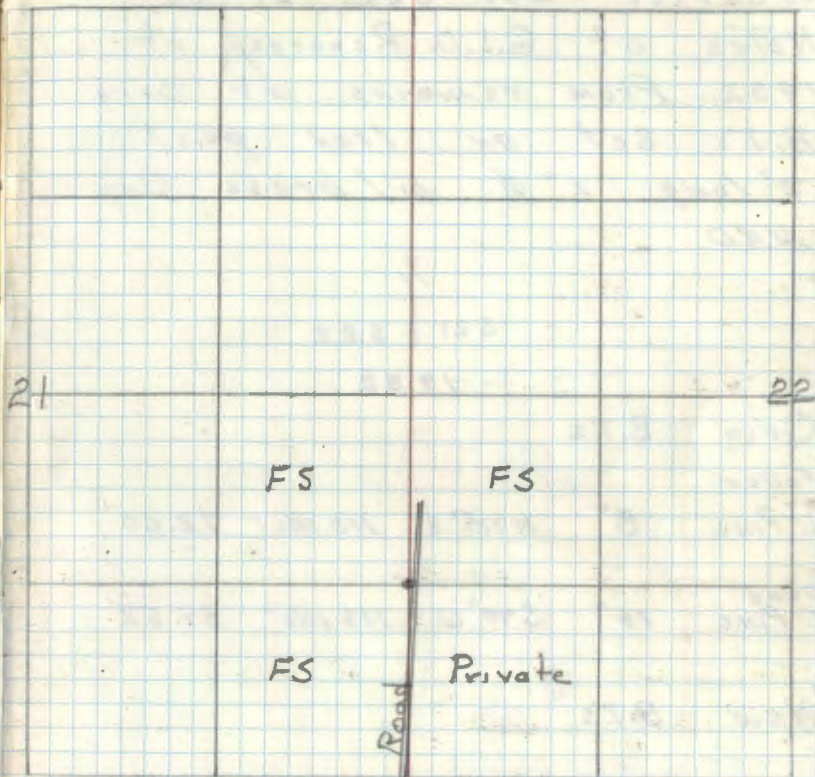
3 $\frac{1}{16}$	
S 21	S 22
1931 = ?	
1932	

N. Pine 10" N 022'W 584.14s - 385.44'
scribe overgrown
 Now a 19" Red pine at record bearing & distance.)
 J. Pine 12" S 76 $\frac{3}{4}$ 'E 385.14s - 254.10'
 (Now an 18" Jack pine S 76 $\frac{3}{4}$ 'E 254.1 feet
 w/ scribing visible.)

To perpetuate this corner I marked
 Jack pine B "N 29'W 20.3' MKD S $\frac{1}{16}$ S 21 BT
 Steel sign post 72 inches long set 24 inches
 in ground with signs 54-2 & 54-4 attached
 due South 5.8 feet.

4-12-63 R.H. McDonald

Affidavit



2 P-13

Quarter Cor. Sec. 21-22.

Notes of G.L.O. Resurvey of
1932. From remains of Orig
B.T.s set on iron post
3' long 1" ϕ w/ brass cap
MHD

X

S21 | S22

1932

" Orig B.T.s "

Fallen

J. Pine 8" N77 $\frac{1}{2}$ ° E 110 1/4s - 72.60'

Dead
J. Pine 16" S40° W 113 1/4s - 84.58'

" New B.T.s "

N. Pine 12" S41 $\frac{1}{4}$ ° E 133 1/4s - 87.78'

Now a 20" Red pine

J. Pine 10" S56 $\frac{1}{2}$ ° W 32 1/4s 21.12'

North $\frac{1}{16}$ Cor. Sec. 21-22.

Notes of G.L.O. Reurvey of 1932.
by prop. distance set an
Iron post 3' long 1" ϕ w/brass
Cap MHD.

N $\frac{1}{16}$
S 21 | S 22
19 32

J. Pine 14" N $13\frac{3}{4}^{\circ}$ E 152 1/2 - 100 3/2'

W. Pine 8" N $80\frac{1}{2}^{\circ}$ W 9 1/2 - 5.94'

NOTES OF W.E. CURD AND K. METCALF
OF 12-23-82 FOUND 1" PIPE IN GOOD
CONDITION. 8" W. PINE IS NOW A 20" R. PINE.
NO TRACE OF 14" J. PINE MARKED NEW B.T.'S
DOCUMENT NO. 285159

WELL PT. 1 1/4" DUE WEST 20.60'

J. PINE 9" N 35° E 13.86'

R. PINE 7" S 55° E 26.00'

R. PINE 6" S 2° E 28.48'

Section Cor. Sec. 15-16-21-22
 Notes of G.L.O. Resurvey of 1932.
 From remains of Orig B.T.s Set
 a Cylindrical Concrete Monument
 w/ brass Cap M.H.D.

Iron pipe was also Found at Cor.

T146N	R31W
516	515
521	522

1932

Orig B.T.s

J. Pine stp. 10" N57°E 65 1/4s - 42.90'
 stp. hole at bearing and dist

J. Pine stp. 12" S73 1/4°E 50 1/4s - 33.00'
 rolled stump " "

J. Pine stp. 10" S56°W 39 1/4s - 25.74'
 stp. hole " "

J. Pine stp 14" N53°W 38 1/4s - 25.08'
 stp. hole " "

New B.T.s

J. Pine 12" N24 1/4°E 140 1/4s - 92.40'

J. Pine 15" N24°E 92.4' scale width

N. Pine 12" S34°E 223 1/4s 147.18'
 stp buried former blaze and chop marks

NOTES OF W.E. CURRO AND KEN METCALF
 OF 12-21-82. FOUND CONCRETE MONUMENT
 IN GOOD CONDITION WITH 2" PIPE ALONGSIDE
 OF IT. NO TRACE OF B.T.S MARKED NEW B.T.S

DOCUMENT NO. 285147

B.T.S

J. PINE 8" S70°W 5.00'

R. OAK 6" N40°W 55.00'

J. PINE 8" N66°E 46.38'

N. PINE 8" S45°E -48.55'

N. Pine 8" S87 1/4°W 179 1/4s - 118.14'
 stp. 7 on top 587 W 118.14'

N. Pine 13" S1 1/4°W 292 1/4s - 192.72'

N. Pine 21" S82 W 192.72 scale original

5/21/85 - Rd. Brass capped concrete monument
 flush with well point 1 1/2 W 6" on north side of B.C.
 looked for B.T.S listed above

West $\frac{1}{6}$ Cor. Sec 15-22.

Notes of G.L.O. Recovery of 1932
by prop. distance set an
Iron post 3' long 1" ϕ w/brass
Cap M.H.D.

W $\frac{1}{6}$ 315
322
1932

N. Pine 14" N51 $\frac{3}{4}$ °E 65 145 42.90'
NOW 25" (2010)

N. Pine 15" S31 $\frac{1}{2}$ °W 47 145 31.02'
NO EVIDENCE

6-07-2010 RMAEN

Fd IRON IN PLACE AND GPS. CORNER IS
305 FT WEST FR 3637.

12-23-1982 WALT CURD

Fd GLO IRON MARK NEW BTS. REFER TO CORNER LEFT
R. OAK 7" N50W 34.84 GONE

BERCH 8" S60°W 42.86 NOW 12" (2010)

R PINE 5" S45°E 47.63 NOW 11" (2010)

HEAVY STEEL SIGN POSTS 3.8 WEST 4.75 NORTH
DIST TO NEAREST EDGE OF POST.

11 N-15

Quarter Cor. Sec. 15-22.
Notes of G.L.O. Resurvey of 1932.
From remains of Orig B.T.s
Set an Iron post 3' long
1" ϕ w/ brass Cap M.H.D.

(Found in place marking

corner.)

$\frac{1}{4}$ S 15
S 22
1932

Orig B.T.s

N. Pine ^{sp} 16" N2°E 101 INs 66.66'

Found at record bearing & dist

N. Pine sp 28" S72 $\frac{1}{2}$ °E 181 INs 119.96'

New B.T.s

J. Pine 12" S52 $\frac{1}{2}$ °W 209 INs 137.94'

(New T. pine stump scribed "1/4 S 22 BT" S52 $\frac{1}{2}$ °W 137.94')

N. Pine 12" N8°W 112 INs 73.92'

Now a 18" Red pine N8°W 73.92 ft. scribe "1/4 S
15" visible

To perpetuate this corner I marked new B.T.s

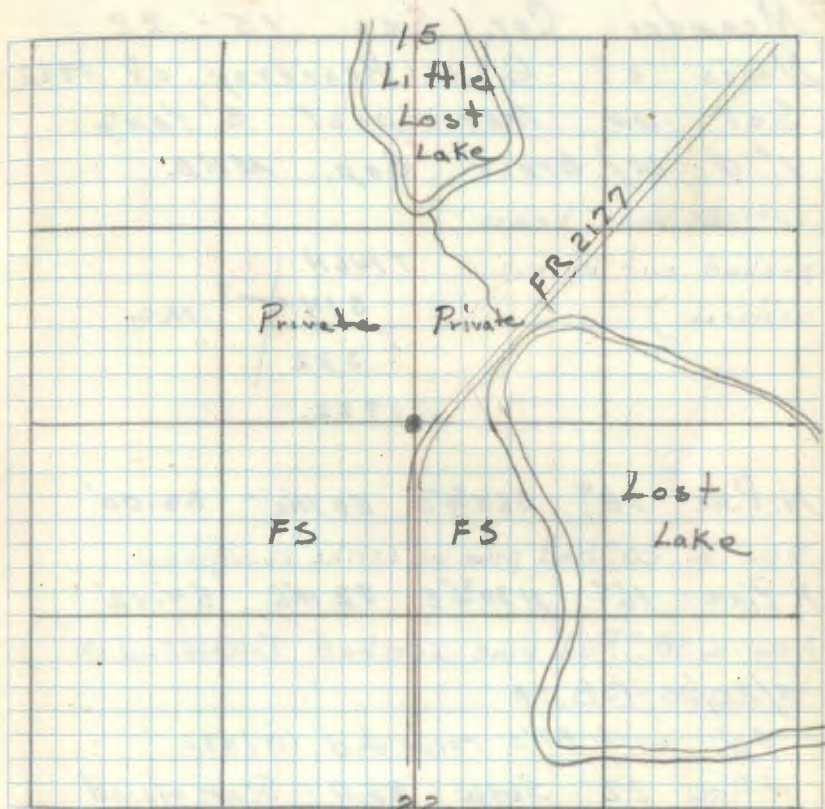
Red pine 17" N62°E 84.5 feet MKD $\frac{1}{4}$ S 15 BT ^{Now} 25"

Jack pine 10" S 2 $\frac{1}{2}$ °E 66.3 feet MKD $\frac{1}{4}$ S 22 BT

Govt. Red pine 18" N8°W 73.92 feet MKD BT ^{Now} 26"

3-12-63 A.M. Donald

Affidavit RHM



Steel sign post 72" long, set 29" in
ground w/ signs 54-2 & 54-4 attached
due West 4.6 feet.

6-07-2010 R MAIN

Fd IRON IN PLACE AND GPS.

12 N-15, 16

West Shore
Loos Lake.

Meander Cor. Sec. 15-22

Notes of G.L.O. Resurvey of 1932

Set on Iron post 3' long

1" ϕ w/ brass Cap. MKD.

(corner has been

pushed out by ice

action)

T146N

S15

S14

? M.C.

S22

1932.

N. Pine 18" S68 $\frac{3}{4}$ W 50 1/2 - 33.00'

Now a 20" Red pine w/ scribe overgrown

N. Pine 16" N30 $\frac{3}{4}$ E 82 1/2 54.12'

Now a 18" Red pine scribed "T146NR31W M"

3/20/86 - G.B.J.A

Fd. both BT's recorded in 1932.

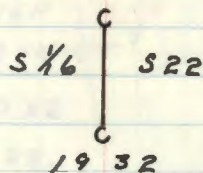
N. Pine 22" S69W 33.0' Scar closed

N. Pine N31W 54.12 " "

13 A-15

Center South $\frac{1}{16}$ Cor. Sec. 22.
Notes of G.L.O. Resurvey of 1932.
by prop. distance set an
iron post 3' long 1" ϕ
w/brass cap MKD

(Found in place
marking corner.)



J. Pine 14" N84°6' 26 1/4 - 17.16'
Scribe $\frac{1}{16}$ S22 BT visible
 (Now a 15" J. pine windfall at record bearing & dist.)
 N. Pine 14" N68°3/4'W 64 1/4 - 42.24'
 (Now pine stump "CS $\frac{1}{16}$ S22 BT" scribe visible at
 record bearing & distance.)

To perpetuate this corner I marked new
bearing trees.

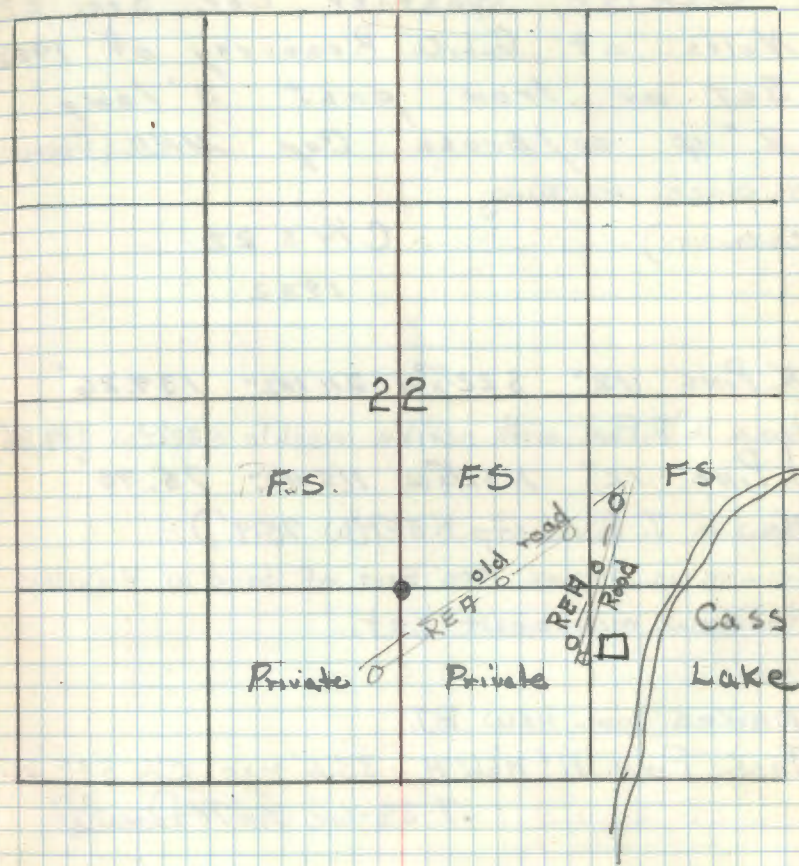
Jack pine 7" N41°W 218 feet MKD BT BT

Jack pine 7" N96°E 56.2 feet MKD CS $\frac{1}{16}$ S22 BT
3-12-63 R.H. McDonald

Set a steel sign post 72" long w/signs
54-2 & 54-4 attached Due West 3.B.

4-22-63 James H. Ekstrom

H.H. Davitt
RHM



14 p-15

Center Quarter Cor. Sec. 22.
Notes of G.L.D. Resurvey of 1932.
Set on Iron post 3' long
2" ϕ w/brass Cap MKD. (Found.
in place marking
corner)

C 1/4 S 22

1932

N. Pine 12" S 22 1/2° W 211 MKS - 139.26'

(Now a 16" R. Pine with scribe visible S 22 1/2° W 139.26')

J. Pine 12" N 52 1/2° W 115 MKS - 75.90'

(Now a J. Pine stp N 52 1/2° W 75.9')

Corner is approx 300' East of bend in Highway.

No new monument set.

Marked one new B.T.

Jack Pine 11" N 66° W 33.6' MKD C 1/4 S 22 BT
.7-24-62 ~~ATK~~ Donald

Set a steel sign post 72" long 2 1/2"
in ground w/ sign 54-2 3 54-4 attached
due east 3.9'

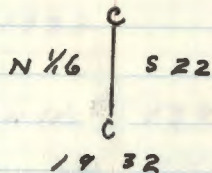
4-22-63

James E. Burton

Affidavit RHM

15.

Center North $\frac{1}{6}$ Cor. Sec. 22.
 Notes of G.L.O. Resurvey of 1932.
 by prop distance set on
 Iron post 3' long 1" ϕ w/brass
 Cap MHD



N. Pine 14" S $1\frac{1}{2}^{\circ}$ W 72 146' 47.52'

J. Pine 12" N $3\frac{1}{2}^{\circ}$ W 47 145' 31.02'

16 P-16

Center East $\frac{1}{6}$ Cor Sec. 22.

Notes of G.L.O. Resurvey of 1932.
by prop. distance set an
Iron post 3' long 1" ϕ w/brass
Cap M.H.D.

FD. IRON FLUSH WITH GROUND

CAP ON IRON $\frac{E \frac{1}{6} C$

IRON IS 24" SW OF FENCE 522

CORNER POST 11-22-77 1932

CRK OF

J. Pine 14" N22 $\frac{1}{2}$ °E 202 Hs - 133.32'

NOW 16" DEAD J. PINE N22E 133.3' SCRIBE VISIBLE

R. Oak 5" S79 $\frac{1}{2}$ °E 26 Hs 16.50'

TAKEN OUT BY POWER LINE

FD. 1" OD IRON PIPE 6" HIGH - 33' West of IRON - OPEN LINE
BRS. WEST - POWER POLE AND OPEN LINE SOUTH - NORTH OF CORNER

17 Q-16

South East $\frac{1}{16}$ Cor. Sec. 22.

Notes of G.L.O. Resurvey of 1932.

Set on Iron post 3' long

1" ϕ w/ brass Cap M.H.D.

Fd. IRON $\frac{1}{2}$ CAP 8" ABOVE GROUND

NOT IN PLACE

SE $\frac{1}{16}$ S 22

1932

J. Pine 14" N24 $\frac{1}{2}$ °E 138.145 - 91.08'

Fd. FALLEN J. PINE 14"-16" WITH OVERTGROWTH ϕ FACE

J. Pine 12" S57 $\frac{3}{4}$ °E 197.145 - 130.02'

SE $\frac{1}{16}$ S 22 BT

Fd. 18" J. PINE S58E 130.0' WITH SCRIBE VISIBLE

5/2/78

STEFAN, RAMSEY & KRANSE

By PULLING FROM BOTH BT's WE LOCATED
A $\frac{1}{2}$ " x 4" STEEL PIPE AT SE $\frac{1}{16}$. WE

PLACED GAO BRASS CAP IN POSITION FROM

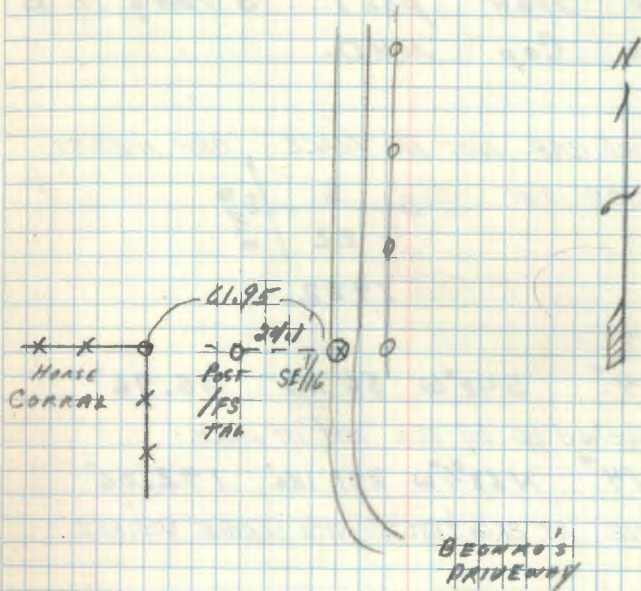
BT's & MADE THE FOLLOWING NEW BT's

J. PINE J. PINE R. PINE $\frac{4"}{4"} \times \frac{4"}{4"} \text{ CEDAR POST}$

12" 14" 20"

N38°E N75°W N22°W

111.82' 107.34' 166.00'



18 Q-16, 17

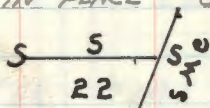
Meander Con. Sec. 22. North West
Shore Cass Lake

Notes of G.L.A. Resurvey of 1932.

Set an Iron post 3' long 1" ϕ
w/brass Cap MHD.

Fd. IRON w/out CAP NOT IN PLACE CRK 1123-77

8" POST BESIDE IRON



1932

Ash. 4" S42°W 56 1/2' 36.96'

Fd. down pushed up by ice not in place

N. Pine 14" N63 3/4°W 291 1/2' 192.06'

Fd. 20" N. PINE AT BRG 1/2 DIST. WITH SCRIBE VISIBLE

19 0-16

North East $\frac{1}{6}$ Cor. Sec. 22.
 Notes of G.L.O. Resurvey
 of 1932. Set an Iron post
 3' long 1" ϕ w/ brass Cap
 MHP. (Found iron post best over; base of
 post is at point
 for corner; brass NE $\frac{1}{6}$ S 22
 cap MKD as per call 1932

N. Pine 18" S $49\frac{1}{2}^{\circ}$ E 244 INs - 161.04'
 Now 23" Red pine S $49\frac{1}{2}^{\circ}$ E 161.04 ft. scribe over ground
 N. Pine 10" S $3^{\circ}05'$ W 270 INs - 178.20'
 Now 16" Red pine S 3° W 178.2 Feet scribe over ground

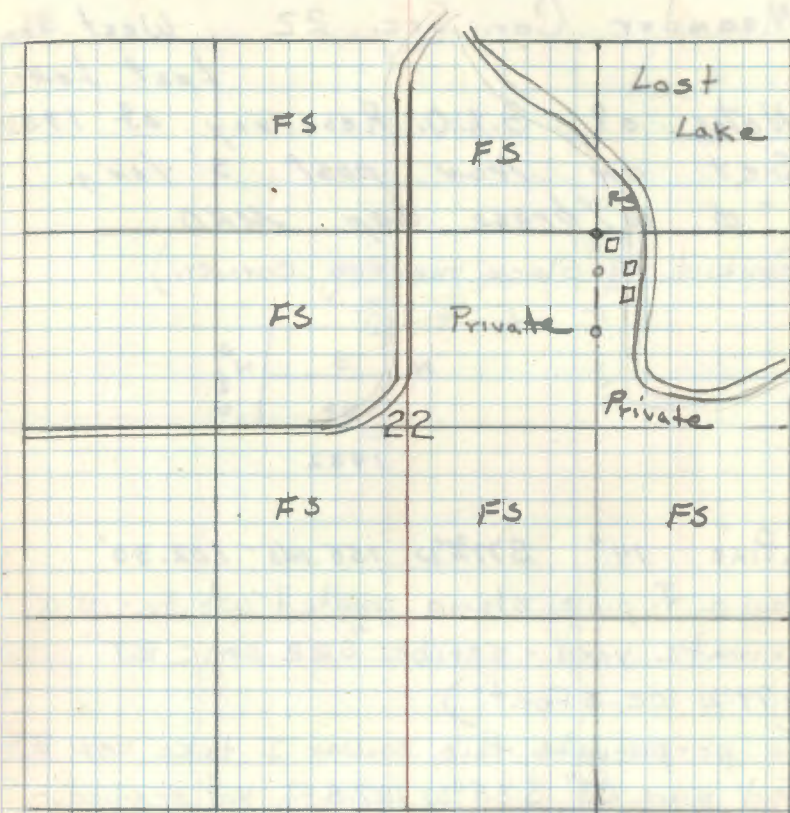
To perpetuate this corner I marked one new
 bearing tree

Oak 6" N $38\frac{1}{2}^{\circ}$ W 15.85 feet MKD NE $\frac{1}{16}$ BT
 The North West corner of a frame garage
 bears S $72\frac{1}{2}^{\circ}$ E 12.95 feet.)

REA pole 10" bears due south 43.25 feet
 3-12-63 RHM Donald

Steel sign post 72" long, set 29" in the ground
 w/ standard signs 54-2 & 54-4 attached
 due East 2.8 feet. RHM

Affidavit RHM



20 0-16, 17

Meander Cor. Sec. 22 West Shore
Lost Lake.

Notes of G.L.O. Resurvey of 1932.

Set an Iron post 3' long

1" ϕ w/brass cap MKD

(Found in place marking corner.)

N	S	N
	22	22
	1932	S

J. Pine 14" S77 $\frac{3}{4}$ °W 155 1/4 - 102.30'

(Now a J. pine stump painted white - in a private yard - scribe "S22 SMC BT" S79°W 102.3 Feet.)

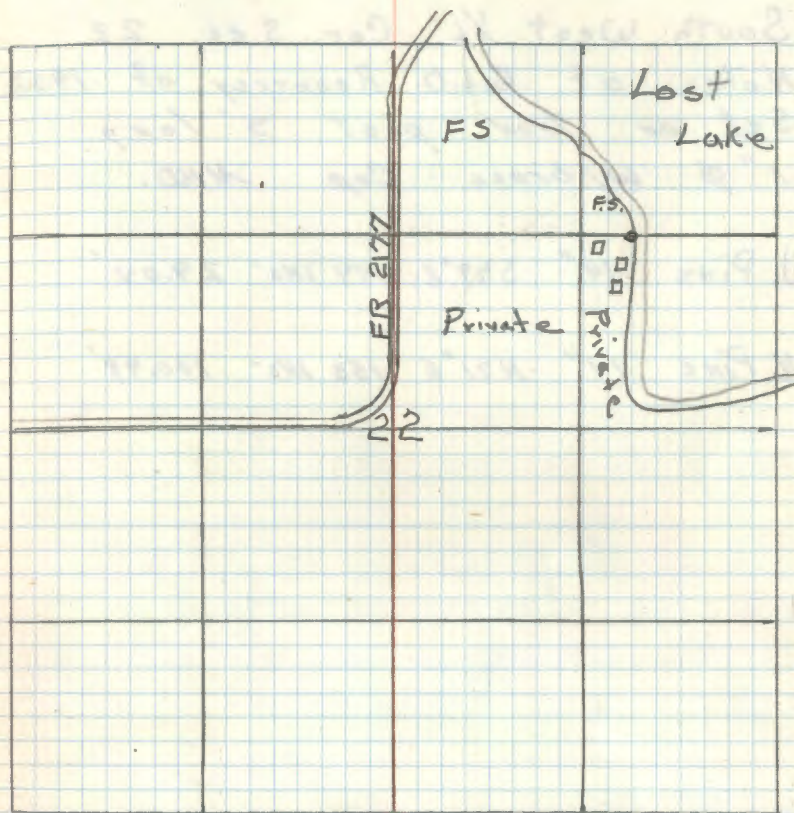
To perpetuate this corner I take new BTs
Red pine 23" S35°W 127.8 Ft. Not scribed

Aspen 8" N30°W 36.8 Ft. MKD SMC S22 BT

3-12-63 RHM Donald

Steel sign post 72" long set 24" in ground w/
standard signs 54-2 & 54-4 attached due
West 3.5 Feet RHM

Affidavit RHM



21

South West $\frac{1}{6}$ Cor. Sec. 22.

Notes of G.L.O. Resurvey of 1932.

Set an Iron post 3' long

1" ϕ w/brass Cap M.H.D.

J. Pine 14" S49°E 44 1/2' 29.04'

N. Pine 14" N71°E 153 1/2' 100.98'

22 Q-14
No

North West $\frac{1}{16}$ Cor. Sec. 22.
Notes of G.L.O. Resurvey of 1932.
Set an iron post 3' long 1" ϕ
w/brass cap M14D. (Found iron post
w/brass cap - post is bent over & covered with
dirt - corner is on NW $\frac{1}{16}$ S 22
south edge of road intersect. 1932

J. Pine 14" S $61\frac{1}{4}^{\circ}$ E 33 1/4s - 21.78' (Now
a 16" J. Pine scribed NW $\frac{1}{16}$ S 22 BT S $61\frac{1}{4}^{\circ}$ E
21.78')

J. Pine 12" S $22\frac{1}{2}^{\circ}$ W 73 1/4s 48.18' (Now
a J. Pine stump S $22\frac{1}{2}^{\circ}$ W 48.18' with
flat blaze facing corner.)

Base of iron post is in correct position
for corner

Marked New BT

Jack pine 11" S 13° W 30.5' MKO NW $\frac{1}{16}$ BT
Cedar post 4" x 4" x 72" set 30" in ground West
1.3' w/signs 54-24 54-4
7-24-62 RHM (Donald)

Affidavit RHM

South $\frac{1}{16}$ Cor. Sec. 16-15
 Notes of G.L.O. Resurvey of 1932.
 by prop. distance set an
 iron post 3' long 1" ϕ
 w/brass Cap MHD

S	$\frac{1}{16}$
S 16	S 15

1932

J. Pine 14" N75°E 573 Ms - 378.18'

N. Pine 8" S63°40'W 405 Ms - 267.30'

NOTES OF W.E. CURD ON 12-21-82

FOUND 1" PIPE W/B.C. STANDING IN

GOOD CONDITION - DIST. 50. TO THE SW COR.

OF SEC. 15 GOOD, DIST EAST TO THE SW $\frac{1}{16}$

COR. IS GOOD. DIDN'T FIND ORIG. B.T.'S

MARKED NEW B.T.'S. DOCUMENT NO. 285148

B.T.'S

POPLAR	7"	S85°W	50.58'
POPLAR	5"	N12°W	49.08'
POPLAR	6"	N80°E	18.29'

24 L-13

Quarter Cor. Sec. 16-15

Notes of G.L.O. Resurvey of 1932.

From remains of Orig B.T.s

Set an Iron post 3' long 1" Ø
w/brass cap MWD.

Ed. corner set 5" $\frac{1}{4}$
above ground. 5/4/84 S16 S15

" Orig B.T.s

1932

N. Pine stp 30" N53°E 20 lks - 13.20'

N. Pine stp 30" S87°W 60 lks - 39.60'

New B.T.s

Poplar 4" S45 $\frac{3}{4}$ °E 22 lks - 14.52'

J. Pine 4" N48 $\frac{1}{2}$ °W 19 lks - 12.54'

Line to standard goes north & west from corner (1936)

1875 - Original Gov't Survey

1919 - C.C. Spencer, Dep Co. Surveyor found the original post and the remains of two original B.T.s: Norway Pine stump N53E 13.2 and N. Pine stump S87W 39.6'

1932 - H. Craig, G.L.O., found remains of the original bearing trees: 30" N. Pine stump N53E 20 links, and 30" N. Pine stump S87W 60 links.

1984, May 4 - G. Cowlombe, D. Graber of Belt Co. Survey crew found remains of one original B.T.: Pine Stump N52E 13.12'. Ed. iron pipe with B.C. marking corner and remains of both B.T.s recorded by Craig in 1932: Stump S45°E 14.52' and J. Pine snag N48 West 12.64'.

1935 - C.C.C.'s found the B.C. on an iron pipe marking corner and two bearing trees recorded by Craig in 1932: a 4" J. Pine N57W 19 links, and a 5" Poplar S53E 22 links.

May 4 1984 - Co. Survey Crew remonumented corner. W. Oak 5" N76°W 43.57' Spike in base of scribed

W. Oak 6" N17°E 19.78' " " " "

W. Oak 6" S22°W 24.70' " " "

N. Pine 12" S40°E 36.41' " " "

25 J-13

Section Cor. Sec. 9-10-16-15
 Notes of G.L.O. Resurvey of 1932
 From remains of Orig B.T.s Set
 a Cylindrical Concrete Monument
 4" Below Surface of Road w/
 brass Cap MND

Fd. CONCRETE MONUMENT 4" BELOW ROAD WITH
 BRASS CAP IN PLACE T146N R31W
 7-16-80 CK-25

S 9	S 10
S 16	S 15

Orig B.T.s 1932
 J. Pine stp 14" S67°E 120 Hs - 79.20'
 Falls under power line 7/29/80

J. Pine stp 6" S77½°W 224 Hs - 147.84'
 Falls under power line 7/29/80

N. Pine stp 18" N41°W 35 Hs - 23.10'
 Fd no evidence 7/29/80

New B.T.s 7/29/80

J. Pine 5" N43°E 81 Hs - 53.46'

Now 10" J. Pine with scribe visible. Dead snag ^{Cut off} now to 5' high

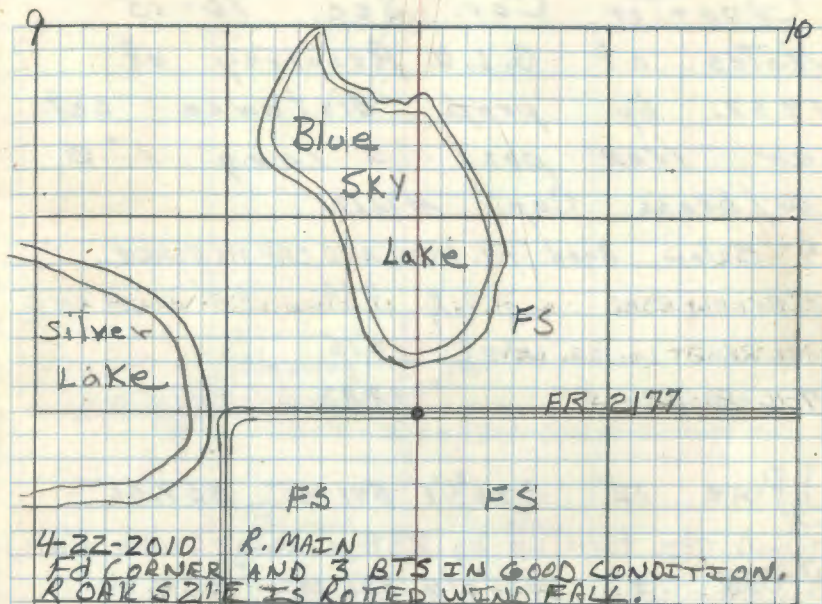
R. Oak 4" S26°E 180 Hs - 118.80' " "

~~Now a 9" R Oak S26E 109.6 ^{Correction} ~~and 2' scribe~~ scribe visible~~

J. Pine 5" N22¾°W 100 Hs - 66.00'

Now 8" J. Pine with scribe visible. Dead snag.

Fd. a stump hole at bearing & distance.



- (1980) R PINE 14 S37W 66.01'
- (1980) R PINE 16" N12W 59.55'
- 16 (1980) ROAK 15" N64E 51.38'

- 7/29/80 - BRAMA, MAIA
 New Witness Trees:
1. R. Pine, 7" S37W at 66.01 MKd. T146N R31W S16BT.
 2. R. OAK, " N69E at 51.38 T146N R31W S10BT
 3. R. Pine, 10" N12W at 59.55' T146N R31W S9 BT
 4. R. OAK 9" S21E at 109.06' S15 BT

8/3/83 - Brama, Allison
 Placed at 4x4x8" penta treated wood post south
 44.37' from corner with both signs & F.S.L.R attached.
 Line to the north is mkd. to F.S. Standard.

Sept 15, 1919 - Road Survey by Bell Co.
 Found 3 gov't B.T.s:

1. N. Pine N39E 11.8'
2. N. Pine N41W 23.1'
3. N. Pine S67E 79.2'

Set a gas pipe 1½" x 30". Mk'd Pine stp. 12 N4W 33.6'
 Mk'd. Pine stp. N34E 63.7'

26 J-15

Quarter Cor. Sec. 10-15
Notes of G.L.O. Resurvey of
1932. by prop distance set
an Iron post 3' long 1" ϕ
w/brass Cap MKD.

4" Below Road Fl. IRON AND CAP IN PLACE

2" BELOW ROAD $\frac{1}{4}$ S10 3.5' NORTH OF $\frac{1}{4}$

WILL RESET LOWER LATER S15

7-16-80 CK-JS 1932

J. Pine 12" S86 $\frac{3}{4}$ °E 541.145' 357.06'

* Found stp. torn up by REA clearing - scribe visible)

R. Oak 4" N86°07'W 356.145' 234.96'

Falls in county graveled road.

Found the G.L.O. brass cap in good condition
buried 4" under road.

Marked New BTs

Oak 6" N31 $\frac{1}{2}$ °E 44.9' MKD $\frac{1}{4}$ S10 BT Galv.
Spike SE sideOak 6" S12 $\frac{1}{2}$ °W 64.1' MKD $\frac{1}{4}$ S15 BT Galv.
Spike East side

7-24-62 RHM Donald

* stump not in place

7/30/80 - BRAMA, MAIN

Reset monument 1.0' deep.

Found both U.S.F.S. BT's

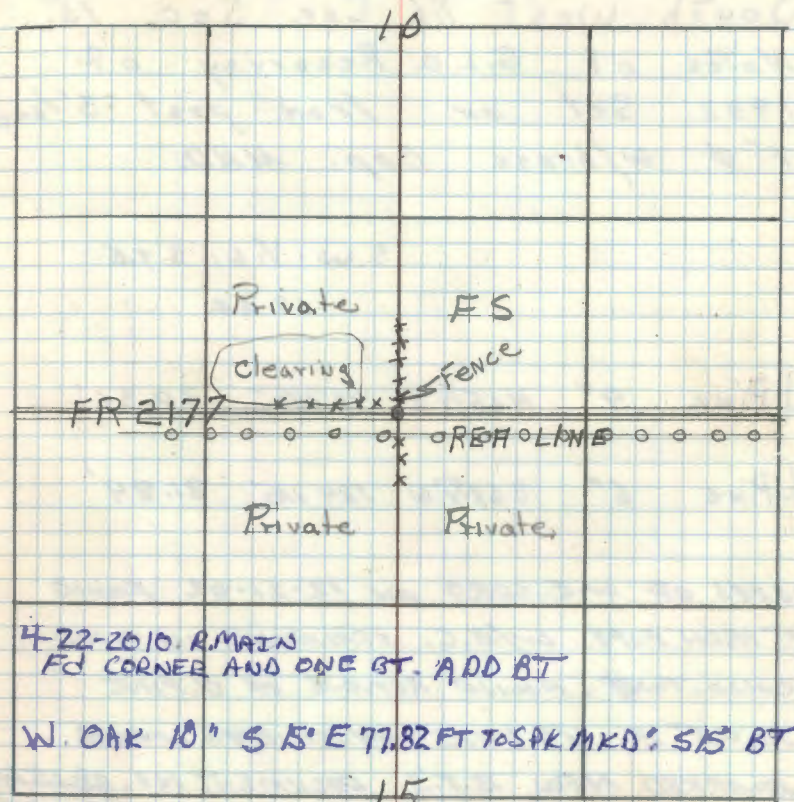
R. OAK 9" S13W at 64.1 Placed galv. spike S.E. side.

FALLS IN POWER LINE GRUBBED OUT

R. OAK 8" N32E at 44.4 Placed galv. spike East side

NOW CUT OFF ROTTED STP 4-22-2010

Affidavit RHM



Marked New BT

W. OAK 6" N15°E at 67.97' MKD. $\frac{1}{4}$ S10 BT
NOW 8"

8/4/83 - BRAMA, ALISON

Set a 4x4x8" pentar-treated wood post north
21.70 from corner with both s. g. and F.S.L.P. attached.
Line to the north is MKD. to F.S. Standard.1919 - Belt Co. Surveyor, C.C. Spenser - Nothing mention about original
Set $\frac{1}{4}$ x 20 iron
MKD. 24" Pine stp. N50E 32.3'
18" Pine stp. S15W 41.5'

South West $\frac{1}{16}$ Cor. Sec. 15.

Notes of G.L.O. Resurvey of
1932. Set an Iron post 3' long
1" ϕ w/brass cap M.H.D.

SW $\frac{1}{16}$ S 15

1932

J. Pine 9" N65 $\frac{1}{4}$ °E 46 links - 30.36'

J. Pine 6" S68 $\frac{1}{4}$ °W 124 links - 81.84'

NOTES OF W.E. CURD ON 12-21-82 FOUND
1" IRON PIPE W/B.C. STANDING IN GOOD
CONDITION. FOUND REMAINS OF J. PINE
N 65° E 46 LINKS W/SCRIBING. MARKED
MARKED NEW B.T.'S DOCUMENT NO. 285146
285146

B.T.'S

J. PINE 9" S30°W 14.53'

R. OAK 5" N40°W 34.53'

R. OAK 6" N68°E 15.60'

28 A-11

Quarter Cor. Sec. 21-28

Notes of G.L.O. Resurvey of 1932.

From remains of Orig. B.T.s

Set on iron post 3' long
1" ϕ w/ brass Cap MKD.

Found in place

marking corner

$\frac{1}{4}$	S 21
	S 28
	1932

Orig B.T.s

ELM 16" S 22 $\frac{1}{4}$ ° E 78 1/4s - 51.48'ELM 18" N 86 $\frac{1}{4}$ ° W 26 1/4s - 17.16'

(Now a 20" Elm w/ center decayed at record bearing and distance.)

New B.T.s

Burr Oak 6" N 75 $\frac{3}{4}$ ° E 41 1/4s - 27.06'

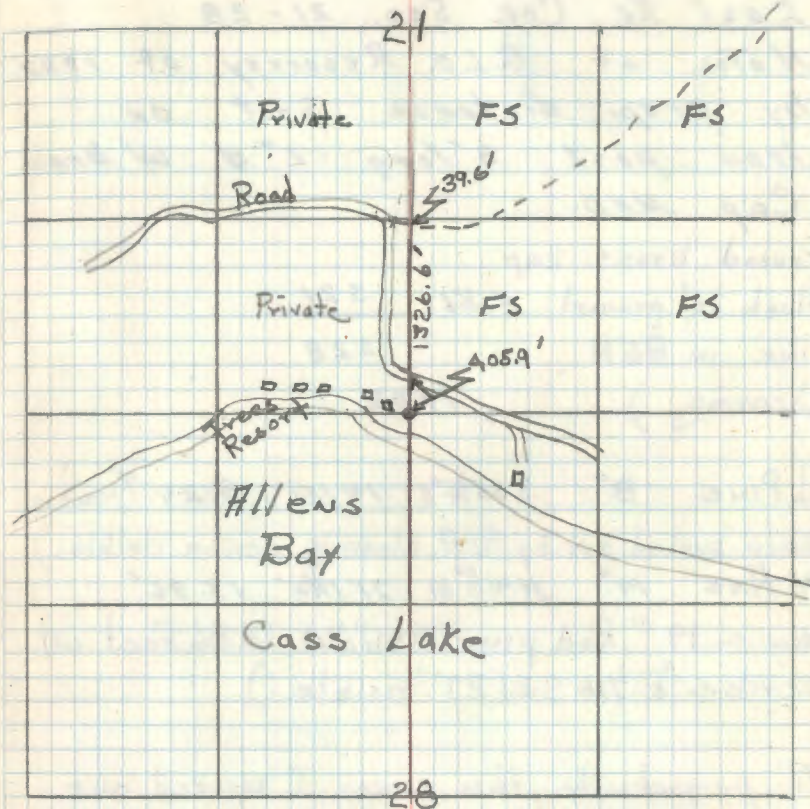
(Now a 9" oak w/ scribe overgrown at record bearing and distance.)

Burr Oak 8" S 77 $\frac{1}{4}$ ° W 21 1/4s - 13.86'

(Now a 9" oak blazes facing corner scribe overgrown at record bearing and distance.)

I rescribed both Oaks with a "BT" they are in good condition.

Affidavit



Steel sign post 72 inches long set 24 inches in ground w/ signs 54-2 & 54-4 attached due east 4.4 feet. 4-12-63 *RAJ*

NOTES OF W.E. CORD ON 10-13-82 W/ STEVE JOHNSON
FOUND 1" I.P. W/ B.C. - OK. ELM STILL STANDING
8" BURR OAK S 77 $\frac{1}{4}$ ° W 21 LINKS 12-23-82
CORD AND METCAL MARKED NEW B.T.S FOUND
W. OAK BLAZED AND SCRIBED. TO THE SO. DEAD ELM
BLAZE AND SCRIBED TO THE WEST NO B.T. TAGS
DOCUMENT NO. 285158

W. OAK 10"	S 78° W	25.78'
N. OAK 8"	N 32° W	53.75'
N. OAK 9"	S 82° E	35.06'

29 R-12

East $\frac{1}{16}$ Cor. Sec. 21-28

Notes of G.L.O. Resurvey of 1932.
by prop. distance set on
Iron post 3' long 1" d w/ brass
Cap MND.

(Found brass cap

Flush w/ ground E $\frac{1}{16}$ S21

line in REA S28

clearing) 1932

J. Pine 8" S35 $\frac{3}{4}$ °E 14 1/4s - 9.24 (Now a
stump pushed out by REA clearing scribe visible.)

N. Pine 14" N41 $\frac{1}{2}$ °W 21 1/4s - 13.86'

Now a 19" Red pine N41 $\frac{1}{2}$ °W 13.86 Feet w/
scribe "E $\frac{1}{16}$ S21 BT" visible.)

To perpetuate this corner I marked one
new BT and set a steel sign post.

Red pine 9° N59° E 42.0 Feet MKD E $\frac{1}{16}$ S21 BT

Steel sign post 72 inches long set 24 inches
in ground with signs 54-2 and 54-4 attached
due west 5.3 feet

4-12-63 *W. Donald*

Affidavit

30 P-9

Quarter Cor. Sec. 20-21
 Notes of G.L.D. Resurvey of 1932.
 From remains of Orig B.T.s
 Set an Iron post 3' long
 1" ϕ w/brass cap MHD

$\frac{1}{4}$
 S 20 | S 21
 1932

Orig B.T.s

N. Pine. stp 28" N44°E 114 1/4s - 75.24'

tam stp - S86 $\frac{1}{2}$ °W 256 1/4s - 168.96'

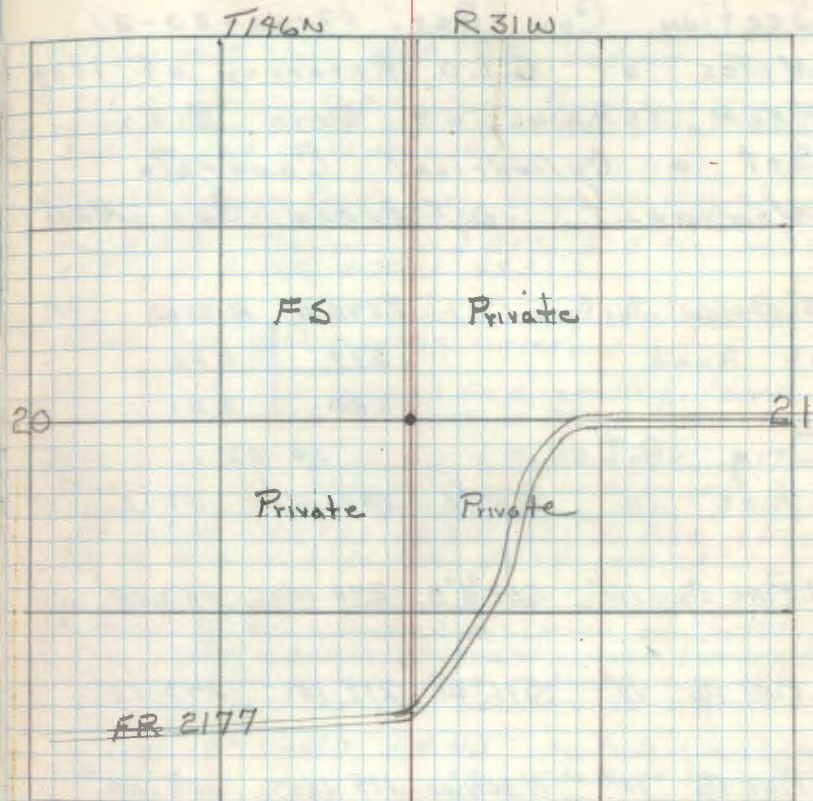
New B.T.s

N. Pine 14" S37°E 84 1/4s - 55.44'

N. Pine 12" N88 $\frac{1}{2}$ °W 92 1/4s - 60.72' (New &
 18" N. Pine scribed " $\frac{1}{4}$ S 20 BT")

NOTES OF W.E. CURD + KEN METCALF

12-23-82 FOUND MONUMENT W/B.C. 8"
 BELOW SURFACE OF ROAD. SET R.R. SPIKE
 ON TOP. THE 12" N. PINE N88- $\frac{1}{2}$ °W IS NOW
 A 22" TREE. NO TRACE OF OTHER TREE.
 MARKED NEW BT'S



WHITE OAK 8" N 38°W 57.98'
 TRIPLE W. OAK 12" N 45°E 105.10'
 WHITE OAK 7" S 80°E 54.70'
 DOCUMENT NO. 285153

31 N-9

Section Cor. Sec. 17-16-20-21
 Notes of G.L.O. Resurvey of 1932.
 From remains of Orig B.T.s
 Set a Cylindrical Concrete
 Monument w/ brass Cap MKD

3" Below Surface	T146N	R31W
of Road.	S17	S16
	S20	S21

Orig B.T.s		1932	
J. Pine 10"	N44°E	132 1/4s	87.12'
N. Pine. stp 16"	S52 3/4°E	248 1/4s	163.68'
J. Pine stp 10"	S16°W	217 1/4s	143.22'
J. Pine stp 10"	N36 1/4°W	175 1/4s	115.50'
New B.T.s			
N. Pine 6"	N75 1/2°E	214 1/4s	141.24'
Now 14" N. Pine scribbles visible			
N. Pine 10"	S66 1/2°E	144 1/4s	95.04'
Now 17" N. pine			
J. Pine 12"	S71°W	474 1/4s	312.84'
N. Pine 6"	N67°W	73 1/4s	48.18
Now 17" N. pine			

Original Gov't Survey 1875 - B.C. Baldwin

1918 - C.C. Spencer, Dep. Co. Surv. found two original
 BT's: N. Pine S52 E 165'; Black Pine S17 W 143.2
 Jack Pine post marks the corner.

1928 - W.H. Johnson County Surv. found one original
 BT; N. Pine S52 E 163.7. Also found J. Pine
 N45 E 87.7. Mkd. two New BT's; 8" J. Pine N60 E
 51.8', 4" N. Pine N70 W 48.5'.

1932 - H. Craig, G.L.O. found remains of all four BT's.
 Found iron post marking corner.

1934 - C.C. Spencer surveyed for a cemetery. Found
 iron pipe recorded by Craig in 1932.

1980, May 16 - A. Larson and F. Bydton, Co. Survey crew
 found concrete monument with an iron post
 alongside and three BT's recorded by Craig in 1932:
 19" N. Pine N67 W 48.20', 21" N. Pine S67 E
 94.95' and an 18" N. Pine N77 E 141.20'.

Placed this history into book on 4/14/86.
 Buttrami Co. Remonumented this corner on 5/16/80.
 They found a broken 6" round cement monument
 8" below road surface. They replaced it with a
 20" cast iron mon. 2" below road surface.
 Mkd. New BT's:
 J. Pine 14" S49 W 54.42' - Nail + Disk and spike
 N. Pine 7" N68 E 77.29' in base of scribed tree.

(GLO) N. Pine 21" S67 E 94.95 " " "

(GLO) N. Pine 19" N67 W 48.76 " " "

line to standard goes west (1986)

32 N-11

Quarter Cor. Sec. 16-21
Notes of G.L.O. Resurvey of 1932.
From Remains of Orig B.T.s Set
on Iron post 3' long 1" ϕ
w/brass Cap MHD.

$\frac{1}{4}$ S 16
S 21
1932

" Orig B.T.s "

J. Pine ~~st~~ stub 10' Hi 16" S 2° E 86 Ihs - 56.10'

J. Pine. stp. 12" N 68° E 104 Ihs - 68.64'

" New B.T.s "

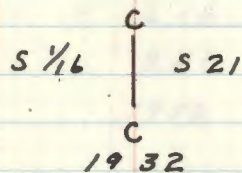
J. pine 5" N 60° E 21 Ihs - 13.86'

J. Pine 14" S 46½° W 147 Ihs 97.02'

5680-11 By SEWARD, 1964

33 Q-11

Center South $\frac{1}{16}$ Cor. Sec. 21.
Notes of G.L.O. Resurvey of 1932.
by prop. distance set on
Iron post 3' long 1" ϕ w/
Brass Cap M.H.D.



N. Pine 8" N27°E 841Ns - 55.44'
(Now a 16" R. Pine scribe visible N30°E 55.44 Feet.)
N. Pine 15" S.28°E 1501Ns - 99.00'
(Now a 18" Red pine scribe overgrown S28°E 99.0 Ft.)

Rescribed "BT")

Set a 6 inch dia, 5 Foot long cylindrical
concrete monument capped with a 3 inch
dia. bronze tablet stamped T146N R31W

S $\frac{1}{16}$ | S 21

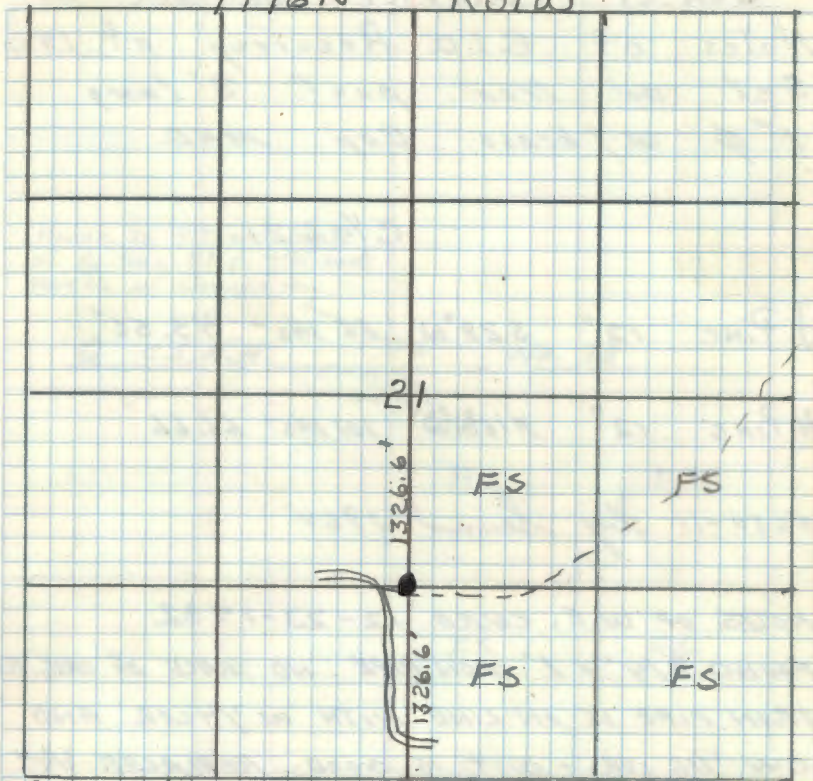
1963
RLS NO 3628

Jack Pine 8" N70°W 55.0 Feet
Steel sign post 72 inches long set 24" in
ground w/signs 54-2 & 54-4 attached
due North 4.6 Feet.

Affidavit

T146N

R31W



Corner is 39.6 Feet North of road.
G.L.O. running notes N 0° 3' W

19.50 chains - Used road

20.10 proportionate dist set C.S. $\frac{1}{16}$ Cor. Sec 21

4-12-63 *W.M.H. Donald*

34 P-11

Center Quarter Cor. Sec. 21
 Notes of G.L.O. Resurvey of 1932.
 Set on iron post 3' long
 1" ϕ w/brass Cap M.H.D.

C $\frac{1}{4}$ S 21

J. Pine 12" S 28° W 66 lks - 43.56'

N. Pine 12" N 16° W 101 lks - 66.66'

5680-11 by Seward 1964

NOTES ON W.E. CURD 12-23-1982

FOUND $\frac{3}{4}$ " x 1" IRON PIPE. NO TRACE OF ORIG. B.T.'S
 IRON PIPE IS ON LINE WITH W $\frac{1}{4}$ COR. AND
 CW $\frac{1}{16}$ COR. - DIST. IS GOOD. REPLACED $\frac{3}{4}$ "
 PIPE WITH 2" x 24" IRON PIPE W/B.C. 1" BELOW
 BLACK TOP SURFACE, MARKED NEW B.T.'S

B.T.'S

DOCUMENT NO. 285155

R. OAK 8" S 28° W 74.93'

R. OAK 6" N 20° W 57.75'

R. OAK 10" N 45° E 96.93'

House is 99 feet East
 of $\frac{1}{4}$ Sec. 21 & 99.5 feet
 North of corner

C.S.A.M.

NO. 33

2' 3.5'

F.S.

F.S.

F.S.

F.S.

GLO running notes: NO° 3' W

40.20 chains set C $\frac{1}{4}$ Sec. 21

47.70 " Log house 24' x 36' owned by H. M.
 Schofield, bears East, 150 lks. dist.

35 p-12

Center East $\frac{1}{6}$ Cor. Sec. 21
Notes of G.L.O. Resurvey of 1932.
by prop. distance set on
Iron post 3' long 1" ϕ w/brass
Cap MKD.

$\frac{E \frac{1}{6}}{C}$
S 21
1932

N. Pine 12" $S70\frac{3}{4}^{\circ}W$ 187 1/4s - 123.42'

N. Pine 14" $N32\frac{3}{4}^{\circ}W$ 91 1/4s - 60.06'

5680-11 by Seward, 1964

NOTES OF W.E. CURO OF 12-23-82
FOUND 1" X 36" B.C. 2' BELOW THE SURFACE
OF CO. RD. - BENT OVER SET 2" X 24"
IRON PIPE W/B.C. 1" BELOW SURFACE OF
BLACK TOP. NO TRACE OF ORIG. B.T.'S

B.T.'S DOCUMENT NO. 285156

R. OAK 8" $N50^{\circ}W$ 76.49'

R. OAK 5" $N40^{\circ}E$ 61.30'

R. PINE 11" $S2^{\circ}W$ 66.00'

North East $\frac{1}{16}$ Cor. Sec. 21.

Notes of G.L.O. Resurvey of 1932.

Set an Iron post 3' long 1"
 ϕ w/brass Cap MHD.

NE $\frac{1}{16}$ S 21

1932

R. Oak 4" S $15\frac{1}{2}^{\circ}$ E 98 1/16 - 64.68'

J. Pine 3" S $82\frac{1}{4}^{\circ}$ W 16 1/16 - 10.56'

East $\frac{1}{6}$ Cor. Sec. 17-20

Notes of G.L.O. Resurvey of 1932.

by prop distance set an
iron post 3' long 1" ϕ w/brass
cap MKD.

2/7/86 CK-6B

Fd. IRON + CAP E $\frac{1}{6}$ S 17

IN PLACE - 6" ABOVE GRD S 20

COR. IN PINE ASPEN TOW 1932

J. Pine 5" N 62° E 38 1/8 - 25.08'

NOW 10" J. PINE STUB 15' HIGH N 62° E 25.1' ^{ROTTED OUT} SCRIBE

N. Pine 9" S 26° E 90 1/8 - 59.40'

NOW 20" N. PINE AT S 26° E 59.40' SCRIBE OVERGROWN

BT's. BY COUNTY

20" N. PINE S 26° E 59.4' BLAZE MKD BT

11" J. PINE N 23° E 29.8' BLAZE MKD BT

18" N. PINE N 33° W 58.3' BLAZED MKD BT ALUM TAG

E.L. Dore 1986

4/1/93 Set a 8' steel sign post west 4.45 west
of corner with both signs attached.

L.T.S. goes west. Done in 1993

CHAINED S 88° W 1321' FELL AT COR. LINE WAS
7' N OF MONU.

WOODS TRAIL E-W IS 48' N OF COR. ^{Destroyed in 1993}
Line to standard goes east from corner.
8' carsonite sign posts 4.1' east and 5.5' south
with proper signs attached.

~~Center~~ Quarter Cor. Sec 17-20
 Notes of G.L.O. Resurvey of 1932.
 From remains of orig B.T.s.
 Set an Iron post 3' long
 1" ϕ w/brass Cap MHD.

$\frac{1}{4}$ S 17
 S 20
 1932

"
 Orig B.T.s

N. Pine. stp 16" ^{36" high} S 9° W 58 1/2s - 38.28'

Found pine stump at bearing + dist. Scribe vis.

N. Pine. stp. 18" N 25° 4' W 85 1/2s - 56.10'

" Found pine stump at bearing and distance
 New B.T.s

J. Pine 14" S 54° 4' E 138 1/2s - 91.08'

Fd. well rotted pine stp. at bearing + dist.

J. Pine 14" N 15° W 17 1/2s - 11.22'

Fd stump hole at bearing and distance.

LOCAL CORNER 3" DIA. IRON PIPE - 6" ABOVE GROUND

N 45° ^E W 7 LKS. = 4.62' - Found N 45° E 4.62' 4" above grd.
 Driven flush + today

10/14/89 Ck, GB, MEH

Fd. GLO iron with brass cap set 4" above grd.

Fd. 2 BT's marked by Belt. Co. recently.

N. Pine 17" S 70° W 30.3' fd. scribed BT

R. OAK 10" N 37° W 34.65 " " "

C.C. Dora 11/15/89

10/14/89 Ck, GB, MEH
 MKD. NEW BT'S:

N. Pine 7" N 17° W 53.65 $\frac{1}{4}$ S 17° BT

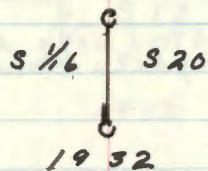
N. Pine 17" N 41° E 123.33 $\frac{1}{4}$ S 17° BT

Old local J. Pine BT is 11.58 N 17° E Now a
 4" high stub.

E-W woods trail is north 20' from corner.
 Trail fees south 75' west of corner.

3/21/93 Set a B' steel sign post east 3.4'
 with both signs attached. line to S. done 93.

Center South $\frac{1}{6}$ Cor. Sec. 20
 Notes of G.L.O. Resurvey of
 1932. by prop. distance set
 an iron post 3' long 1" ϕ
 w/brass Cap M160.



J. Pine 12" $S 65\frac{1}{2}^{\circ} E$ 80 1/2s - 52.80'

N. Pine 10" $N 30^{\circ} W$ 39 1/2s - 258.06'

Center Quarter Cor. Sec. 20.
 Notes of G.L.O. Resurvey of 1932.
 Set on Iron post 3' long
 1" ϕ w/brass Cap MKD.

C $\frac{1}{4}$ S 20

1932

R. Oak 5" S19°E 191145 - 12.54'

N. Pine 12" S35 $\frac{1}{2}$ W 1001145 - 66.00'

Angle Point No. 4-1 Sec. 20.

Notes of G.L.O. Resurvey of
1932. by prop distance set
an iron post 3' long 1" ϕ
w/ brass cap MKD

7/19/89 - Found iron pipe

with brass cap in good TR 65

condition. Brass cap AP4 | S 20

set 9" above ground. API

TR 947

663.96' North of ^{CENTER} Quarter Cor.
Section 20.

Na B.I.s

7/19/89 CK, GB

Mkd. New BT's:

N. Pine 12" N28W 37.05' AP4S20BT

N. Pine 15" N64W 17.9 AP4S20BT

N. Pine 15" N87W 47.94 AP4S20BT

2/26/94 BRAMA + Husk

Set 8' steel sign posts west 3.22'

and 2.8' north with both signs. L.T. Smith

CL DONE

Corner falls on the west side of a old N-S trail.
Approx 33' south of corner is a E-SW trail,
30-50 year old N. Pine around corner.

Center North $\frac{1}{6}$ Cor. Sec. 20.

Notes of G.L.O. Resurvey of 1932.
by prop. distance set an
Iron post. 3' long 1" ϕ w/brass
Cap MHD

7/19/89 GB

Ed. IRON + CAP - IN PLACE - IN N $\frac{1}{6}$ S 20

NEST ROT OF WOODS TRAIL NTS - Flush

~~FROM ORN. LYING OVER MONUMENT~~ - RIBBON TIED ABOVE

Local B.T.s

J. Pine 8" N22 $\frac{1}{2}$ °E 63 11 $\frac{1}{2}$ ' - 41.58'

1993 - Dead snag

J. Pine 10" N38 $\frac{1}{2}$ °W 42 14 $\frac{1}{2}$ ' - 27.72'

1993 - Dead snag

"New B.T.s"

N. Pine 4" S40°W 53 11 $\frac{1}{2}$ ' - 34.98'

1993 - Ed. rotten stump

Cor. Falls on West Edge of Road

2/26/93 BRAMA & AWK

Set 8' steel sign posts west 4.2' + 3.83'

south with both signs attached.

L.T.S. south + west.

MARKED NEW BT

12" R. PINE S18W 38.5 CN $\frac{1}{6}$ S20 BT 600

1980 - Beltrami County Survey Crew

Ed. GLO iron pipe bent and laying above ground.
They straightened iron pipe and reset it in the true
position.

Ed. 13" J. Pine N36W 30.8 - Remark with BT

They marked new BT's:

18" R. Pine S50E 22.11

1993 19" R. Pine

12" R. Pine S45W 40.11

93 14" R. Pine

11" J. Pine N57E 24.72

93 Dead snag

They also found a 1 $\frac{3}{4}$ " iron pipe at N34E 17.38

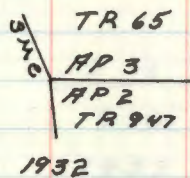
East Center $\frac{1}{6}$ Cor. Sec. 20.
 Notes of G.H.O. Resurvey of 1932.
 by prop. distance set an Iron
 post 3' long 1" ϕ w/ brass
 Cap M.H.D.

E $\frac{1}{6}$
 S 20
 1932

Poplar 10" S $69\frac{1}{2}^{\circ}$ E 122 1/4s - 80.62'

J. Pine 12" S $82\frac{1}{4}^{\circ}$ W 161 1/4s - 106.26'

Angle point No. ~~2-2~~²⁻³ Sec. 20.
 Notes of G.L.O. Resurvey of 1932
 by prop. distance set an Iron
 post 3' long 1" ϕ w/ brass
 Cap, MKD.



No B.T.s

7/19/89 GB-CK

Fd. G.L.O. IRON + CAP - IN PLACE - IN GOOD CONDITION

14" HIGH IN SOLID ROCK SHORE LINE - 3L" ABOVE WATER

AND 6' EAST OF WATER'S EDGE THIS DAY

NO B.T.s. - CHAINED FROM ANGLE POINT 1414' TO EAST

LINE AT S88W FELL 50' SOUTH OF COR.

PUT FSLP ON 2" W. OAK S62E 5.3' FROM IRON

3/15/93 - BRANN

MKD NEW BT'S:

6" N. Pine, NORTH 45.2 Scribed S20 BT

5" W. OAK S40E 24.15 Scribed S20 BT

PINE STP S69E 15.7 BT 200 nail
 at base of scribed

North West $\frac{1}{16}$ Cor. Sec. 20.

Notes of G.L.O. Resurvey of 1932.
by prop. distance set an iron
post 3' long 1" ϕ w/brass cap
MHD

7/19/89 GB+CK

FD. IRON + CAP - IN PLACE NW $\frac{1}{16}$ S 20

IN GOOD CONDITION - 6" ABOVE 1932

GROUND - IN HARDWOOD STAND

N. Pine 12" N46°E 55 1/4s - 36.30'

NOW LARGE N. PINE STUMP AT N46E - 36.3' ^{ON STUMP} SCRIBE BT

W. Oak 8" S13 $\frac{1}{2}$ °E 71 1/4s - 46.86'

NOW ROTTED STUMP AT S13E 46.9'

Local B.T.s

R. Oak 12" N9 $\frac{3}{4}$ °W 50 1/4s - 33.00'

NO TRACE AT N10W 330'

BELT. CO. B.T.s.

W. OAK 18 S68W 43.95' CO. SCRIBE BT & SPK

W. OAK 5 S26E 48.4' CO " " "

BIRCH 8 N59E 18.45 " " " "

2/26/92 BRAUN + ARSK

Set 8' steel sign posts west 2.75' & east

3.5' with both signs attached. I.T.S. east+west

Special Meander Cor Sec. 20
Notes of G.L.O. Resurvey of 1932.
Set an Iron post 3' long 1" ϕ
w/ brass cap MKD.

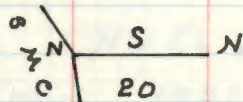
3/15/93 BRAMA

Fd. GLO Brass

Cap on iron pipe.

Brass cap is 8"

above ground.



1932.

Borr oak 6" N31 $\frac{1}{4}$ °W 63 14s - 41.58'

Fd. a 8" B. OAK N31W.

Borr oak 6" S72 $\frac{1}{2}$ °E 88 14s - 58.08'

Fd 9" B. OAK S72E on top of hill.

Mkd New BT

W. OAK 5" N12W 23.8' S20 BT 600

8' steel sign post east 4.2 w/ both signs.

8' " " " S37E 8.5 w/ survey sign

L.T.S. goes east (1993)

Corner is \pm 6' from Lake Andrusia. Very
rocky shoreline.

47 M-9

South $\frac{1}{6}$ Cor. Sec. 16-17
Notes of G.L.O. Resurvey of 1932
by prop. distance set an
Iron post 3' long 1" ϕ w/brass
Cap M.H.D.

10-16-95 RM+CK

Fd. IRON+CAP-IN PLACE S $\frac{1}{6}$
15" BELOW ROAD S 17 S 16
SURFACE - SET SPK. AT
COR. - 2" BELOW ROAD 19 32

Local B.T.s

J. Pine 5" S 74 $\frac{1}{2}$ ° W 63 lbs - 41.58'

Now a 8" blowdown J. pine scribing visible

J. Pine 8" N 66° W 68 lbs - 44.88'

.. IN PINE PLANTATION 10 yrs. old

New B.T.s

J. Pine 10" S 83 $\frac{1}{2}$ ° E 56 lbs - 36.96'

IN POWERLINE CLEARING

R. PINE 7" N 63° E 102.53 FT To SPK MKD: 3/16 S 1/6 BT

R. PINE 15" S 08° W 180.20' FT To SPK MKD: 3/16 S 1/6 BT

R. PINE 8" S 80° W 52.65' FT To SPK MKD: 5/16 S 1/6 BT

8 FT STEEL SIGN POST 25.75 FT WEST

Fd. WINDFALL ROTTED J. PINE AT S 75° W - 41.6'

SCRIBE VISIBLE

48 L-9

Quarter Cor. Sec. 16-17.

Notes of G.L.O. Resurvey of 1932.
This Corner was determined by
The Co. Engineer of Beltrami Co.
and is accepted as correct
point for the corner. A 2" ϕ
Metal post w/ brass cap MKD.
is below surface of road
at intersection.

Fd. 1 1/2" x 16" IRON PIPE 1/4

WITH PIPE CAP MKD S17 S16

NO ANCHOR IN IRON - SO WE

REPLACE WITH FS. MONUMENT 1932

J. Pine 6" N54 $\frac{1}{2}$ °E 129 1/4 - 85.14'

Now a 11" Jack pine with scribe visible

J. Pine 11" S59°W 113 1/4 - 74.58'

DISTANCE NOW FALLS UNDER POWERLINE IN CLEARING
TO PERPETUATE THIS CORNER POSITION - SET
2" DIA. X 24" LONG GALVANIZED IRON PIPE WITH
3" DIA BRASS TABLET MARKED

T146NR31W

FS. MONUMENT IS SET 18" 1/4

BELOW ROAD SURFACE WITH S17 S16

CO. IRON AT NORTH SIDE

1979

RLS NO. 12261

C. KRAUSE
W. MENKE
J. REIMERCLOUDY-HUMID
+70°
8-28-79 SHRS.

WITNESSED BY

J. PINE 8 S43W 100.04' MKD 1/4 S17 BT

J. PINE 9 N47W 59.87' MKD 1/4 S17 BT

W. PINE 6 N20E 78.93' MKD 1/4 S16 BT

RESCRIBED 1932 J. PINE 11 N54E 85.1'

WITH MARKS BT OLD SCRIBE VISIBLE

AT BT BLAZE INSIDE J. PINE

CORNER IN CENTER OF E-W ROAD AND CENTERLINE
OF ROAD SOUTH - WOODS TRAIL NORTHof 1/4
11" MKD8-28-79
Curtis R. Kramer

6/24/96 RMYCK

J. PINE S43W 100.04 CUT OFF 8" X 36" HIGH
ALL SCRIBE VISIBLEJ. PINE WINDFALL N47W 59.87' ALL SCRIBE
VISIBLE

NOW W. PINE 12 N20E 78.93' SCRIBE VISIBLE

Fd. FS MONUMENT 14" BELOW ROAD

MKD NEW BT

W. PINE 28.5 N74W - 74.20' SPK + TAG

POWER POLE 10 S48E - 50.55' SPK + TAG

GLO J. PINE 13 N54E - 85.14

5-25-2010 R. MAIN
GPS IRON

49 K-9

North $\frac{1}{16}$ Cor. Sec 16-17.

Notes on G.L.O. Resurvey of 1932.

by prop. distance set an

Iron post 3' long $\frac{1}{2}$ " ϕ

w/brass Cap MKD Below

Sur Face of Road 2"

N $\frac{1}{16}$	
S 17	S 16

1932.

R. Oak 5" N 89° E 47 1/4' 31.02'
STANDING DEAD

R. Oak 6" N 71 3/4° W 54 1/4' 35.64'
STANDING DEAD

6/13/85 CK JA 6B

Fd. Bent Brass Capped Iron Pipe flush
with Forest Service Trail North & South
in East wheel track

Two 1932 BTS at bearing and dist. - tags

SET: straightened Brass Capped Iron Pipe - marked
OK - reset down 8" in East wheel track

BTS:

Norway	13"	S 35 E	51.10'	} Aligned & scribed sigs, tags red ring
J. Pine	8"	N 78 W	22.80'	
TWIN w. oak	8"	S 62 E	55.15'	

C.C. Dine
1984

50 J-9

Section Cor. Sec. 8-9-16-17

Notes of G.L.O. Resurvey of 1932.

From Remains of Orig B.T.s.

Set a Cylindrical Concrete Monument 24" Below Surface in Collar of stone w/ brass

Cap MKD. Corner Found on East side of road. 4-24-73 ^{James} ~~Station~~ T146N R31W

Cor. is 4 ins S of E	S 8	S 9
wheel track.	S 17	S 16

1932

Orig B.T.s

Stp. Hole. N 8° E 84 Iks - 55.44'

N. Pine stp. 28" S 32° E 170 Iks - 112.20'

Rotted ^{Fd.} LARGE PINE STP. S 32° E 112.20' NO SCRIBE VISIBLE

J. Pine. stp. S 58° W 169 Iks - 111.54'

NOW FALLS IN ASPEN REPRODUCTION AREA

J. Pine. stp. 18" N 15° W 90 Iks - 59.40'

"New B.T.s" Fd. J. PINE STP. N 15° W - 59.4' ROTTEN

Birch 5" N 53 3/4° E 76 Iks - 50.16'

NO EVIDENCE AT BRG. DIST.

Poplar 6" S 34° E 148 Iks - 97.68'

NO EVIDENCE AT BRG. DIST.

Poplar 8" S 54° W 99 Iks - 65.34'

NOW IN ASPEN GOTOVER AREA

N. Pine 8" N 12° W 309 Iks - 203.94'

NOW PINE STP. LEVEL WITH GROUND N 12° W 204'

C. KRAUSE

CLOUDY-HUMID

W. MENKE

+70°

J. REIMER

3 HRS.

FOUND CONCRETE MONUMENT-IN PLACE - 8" ABOVE GROUND 2' EAST OF EAST WHEEL TRACK OF WOODS RD. MONUMENT IS IN DANGER OF BEING KNOCKED OUT IF ROAD WERE SNOW PLOWED IN WINTER - SO WE LOWERED MONUMENT 6" BELOW GROUND AND MAKE ROCK RING AROUND CORNER.

TO PERPETUATE THIS CORNER POSITION WE MARKED 4 NEW BEARING TREES

W. OAK 9 S 84° W - 78.71' MKD T146N R31W S17 BT

W. OAK 10 N 17° W - 101.20' MKD T146N R31W S8 BT

W. OAK 8 S 34° E - 72.08' MKD T146N R21W S16 BT

W. OAK 7 S 79° E - 24.96' MKD T146N R31W S16 BT

SET 4" X 4" X 8' CEDAR POST DUE WEST 12.62' BOTH SIGNS

SET 8' STEEL POST DUE EAST 3.15' BOTH SIGNS

or 4" x 18" MKD

8-28-79

Curtis R. Krause

12-18-81 R. Whitehorn, G. Brumma, S. Pollex.
Cloudy calm 50° F

Find N. Pine Stump S 32° E 112.20 Feet. found all of BT scribed behind overgrowth. Also large axe mark at base of blaze. drove 60d spike vert. into base of blaze & painted stump red. Put BT tag on stump at base of blaze.

51 J-8

East $\frac{1}{16}$ Cor. Sec. 8-17.
Notes of G.L.O. Resurvey of 1932.
by prop distance set on
Iron post 3' long 1" ϕ w/brass
Cap MKD.

Found in good E $\frac{1}{16}$ S 8
Condition S 17
4-24-73 1932

James Ekstrom

No. B.T.s. Available:

3/19/86 - JA, GB

Fd. GLO iron pipe with brass cap set
above ground.

Mkd BT's:

Elm 7" N 6 E 108.70 ^{scribed} BT

R. Oak 7" S 48 E 33.9 E $\frac{1}{16}$ S 17 BT

Poplar 10" S 59 W 18.4 E $\frac{1}{16}$ S 17 BT

8' carsonite sign posts south 3.7 and
east 4.35 with signs

Line to standard south & east
Aspen regeneration to the NW & SE quadrants.

Quarter Cor. Sec. 8-17.

Notes of G.L.O. Resurvey of 1932.

From remains of Orig. B.T.s

Set an Iron post 3' long
1" ϕ w/ brass Cap MKD.

$\frac{1}{4}$ 58

517

1932

"Orig B.T.s"

Orig B.T.s

N. Pine stp 18" N5°E 37 1/2' 24.42'

N. Pine. stp 18" S28°W 48 1/2' 31.68'

"New B.T.s"

J. Pine 6" N66 1/2°E 22 1/2' 14.52'

J. Pine 8" S53°E 46 1/2' 30.36'

53 M-27

Center South $\frac{1}{16}$ Con. Sec 17
Notes of G.L.O. Resurvey of 1932.
by prop. distance set an
Iron post 3' long 1" ϕ
w/brass Cap M.H.D.

Found in good Condition
S $\frac{1}{16}$ S 17
4-24-73 James Ekstrom
1932

N. Pine 3" N2°E 13 $\frac{1}{2}$ Hs - 8.91'
(Now a 14" P. Pine at record bearing ^{scribe} dist overgrown)
N. Pine 4" S45 $\frac{1}{4}$ W 147 Hs - 97.02'
(Now a 16" P. Pine at record bearing ^{scribe} dist overgrown)

3/12/86 - GB, JA

Found iron pipe with brass cap set 6" above
ground.

Found both GLO BT's:

N. Pine 16" N2°E 8.91 Scar closed

N. Pine 18" S45W 97.02 Scar closed

Mkd New BT

W. Pine 10" S52E 14.25 CS $\frac{1}{16}$ S17 BT

Placed 8" carsonite sign posts north 3.5'
and east 3.6 with signs attached

C.E. Dome 1986

Line to standard east and north.

Center Quarter Cor. Sec. 17

Notes of G.L.O. Resurvey of 1932.

Set an Iron post 3' long
2" ϕ w/brass Cap MKD.

1/23/86 CK, JA, GB

Fd 2" iron pipe
with BC set 4" C $\frac{1}{4}$ S 17
above grd. in 1932

good condition

R. Oak 6" S68 $\frac{1}{2}$ E 67 $\frac{1}{2}$ INs - 44.55'Fd. ^{R. Oak} 6" S69E 44.55, Tree in poor cond.R. Oak 5" NR2 $\frac{1}{2}$ W 24 INs - 15.84'Fd. R. Oak 5" N22W 15.84 Tree in poor cond.
MKd. New BT'S: Scribe rotted outW. Oak 9" N25E 22.75 50D+Tags
Scribed C $\frac{1}{4}$ S17BTN. Pine 17' S36E 74.4 50D+Tags
C $\frac{1}{4}$ S17BTN. Pine 17" S31W 73.95 " - "
C $\frac{1}{4}$ S17BT

3/20/86 JA, GB

Scribed BT'S

Placed 8" carsonite sign posts

south 3.05' and east 3.15' with signs
WEST 3.04

G.L. Done 1986

Corner falls 40' south of E-W Power line.
Chained from CE $\frac{1}{16}$ 1317 S99W. Corner checks
good for dist.

Line to standard south from corner.

5-25-2010 R. MAIN

Fd IRON IN PLACE AND GPS. PVT ROAD NORTH
 $\frac{1}{2}$ 60 FT FROM CORNER. THERE IS NO
CARSONITE POST SOUTH. THERE IS ONE
304 FT WEST HOWEVER. DRINKING AGAIN

Center East 1/6 Cor. Sec. 17.

Notes of G.L.O. Resurvey of 1932
by prop. distance set an
iron post 3' long 1" φ
w/brass cap MKD

Cor. falls 25 1/4s E 1/6 C
N. of Road Fence 317
Bears North. 1982

- J. Pine 10" S 5 1/2° E 113 1/4s - 74.68'
- New 1 1/2" blowdown J. pine scribed 1/16 BT" S 5 1/2° E 74.58'
- J. Pine 10" S 54° W 127 1/4s - 83.82'

Found iron post with brass cap as described
marking corner. Corner is 8' north of road
bearing E-W.

to perpetuate this corner I marked three
new bearing trees:-

- ① Jack pine 8" S 3° W 66.8' MKD CE 1/16 BT
- ② Jack pine 10" N 77 1/2° W 22.1' MKD CE 1/16 BT
- ③ Jack pine 5" N 18° W 18.7' MKD X BT

2/19/62 R.H. McDonald

Set a steel sign post 72" long 2 1/2"
1 1/2" ground w/ signs 54.2 3 54.4
attached due North 8.95'

4-22-63 James H. Ehlstrom

6-24-96 RM + CK
Ed. GLO IRON + CAP - IN PLACE - ON NORTH SIDE
OF FR 2195 B - 10' IN WOODS
Ed. SOME SCRIBE ON DOWN ROTTED LOG - J. PINE SSE
74.58' - GLO BT
NO TRACE OF OTHER GLO BT AT 554W - 83.82'
FALLS IN POWER LINE CLEARING

- ① 1962 BT NOW ROTTED J. PINE STUMP S 3 W - 66.8'
IN POWER LINE CLEARING
- ② 1962 BT NOW 10" X 8" HIGH J. PINE STUB N 77 W
22.1' TAG + SCRIBE VISIBLE
- ③ 1962 BT NOW WINDFALL J. PINE IN PIECES
WITH TAG N 18 W 18.7'

CARSONITE SIGN POST NORTH OF GLO IRON
VERY THICK BRUSH AROUND CORNER

7/7/98 Found monument in place for N 77 W GLO snag.
Because of pending road construction
took temp ties: (1) oak S 24° W 21.675m (71.10')
0.09m (3") Red Pine S 30° E 24.075m (79.0')
0.21m (7") Birch, N 7° W 14.765m (48.45')
Also set in place a Carsonite post north 0.9m
Note: these temp ties were made by some one early
this summer.

Michel Hays

86 M-8

South East $\frac{1}{6}$ Cor. Sec. 17
Notes of G.L.O. Resurvey of 1932.
Set an Iron post 3' long 1" ϕ
w/brass Cap MKD.

Found in good Condition.

SE $\frac{1}{6}$ S 17

4-24-73 James Estium 1982

J. Pine 12" N59 $\frac{1}{2}$ °E 44 1/4s - 29.04'

(Now a fallen J. Pine snag at record bearing & dist scribe overgrown) ^{fd rotted stump in 1986}

J. Pine 6" N70 $\frac{1}{4}$ °W 48 $\frac{1}{2}$ 1/4s - 32.01'

(Now a rotted J Pine stump at record bearing & dist scribe visible). ^{fd. stump in 1986}

3/20/86 - JA, GB

Mkd New BT'S:

R. Oak 5" N76W 45.10 SE $\frac{1}{6}$ S17BT

M. Pine 17" N27E 101.20' SE $\frac{1}{6}$ S17BT

J. Pine 10" S43W 44.10' SE $\frac{1}{6}$ S17BT

8' carsonite sign posts north 3.2 & west 3.2

C.C. Done 1986

2/7/86 CK-GB

FD IRON CAP IN PLACE 8" ABOVE GND.
IN HEAVY BRUSH AT SE COR. OF ASPEN REGENERATION
MAY BE PLANTATION TO MUCH SNOW TO TELL FOR SURE

Line to standard north & west from corner.
GLO angles check within 1.0"

67 K-8

North East $\frac{1}{16}$ Cor. Sec. 17.

Notes of G.L.O. Resurvey of 1932.

Set an iron post 3' long 1" ϕ
w/brass cap MKD.

1/28/86

Fd. IRON + CAP IN PLACE NE $\frac{1}{16}$ S17

5' ABOVE GFD. - IN JACK PINE 1932

STAND

J. Pine 14" S 83 $\frac{1}{4}$ ° W 411 IN 271.26'

NO TRACE AT BRG. + DIST.

3/19/86 - GB, IA

Mkd. BT'S.

J. Pine 11" S 25° E 12.68 NE $\frac{1}{16}$ S17 BT
SNAG RM

J. Pine 11" S 76° W 10.15 Scribed BT
SAME TREE AS FSLP TREE ON NEXT PAGE, RM

W. Birch 12" N 12° E 36.80 NE $\frac{1}{16}$ S17 BT
4 FT STUB. RM

8" Carsonite posts east 6, west 3.3,
north 3.85, and south 3.0' with signs attached
C.C. Dome 1986

NOW WINDFALL, SNAPPED OFF @ 8 FT, RM

PUT FSLP ON N 1 PINE S 77° W 10.4' FROM IRON
CHAINED NORTH FROM CE $\frac{1}{16}$ 1332' LINE AND DISTANCE.
FELL AT BRASS CAP - THEN RAN LINE S 89° E TO N $\frac{1}{16}$
WHICH FELL AT CORNER IN ROAD

Line To Standard south, east and north.

5-25-2010 @ MAIN

GAS IRON

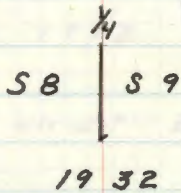
58 G-9

Quarter Cor. Sec. 8-9

Notes of G.L.O. Resurvey of 1932.

From remains of Orig B.T.s

Set an Iron post 3' long

1" ϕ w/brass Cap MKD.

Orig B.T.s

Tam. stp. 12" S 40 $\frac{1}{2}$ ° E 173 Ihs - 114.18'N. Pine. stp 18" S 77 $\frac{1}{2}$ ° W 130 Ihs - 85.80'

"New B.T.s"

J. Pine 15" S 27 $\frac{1}{2}$ ° W 241 Ihs - 159.06'

Burr. Oak. 6" S 59° W 146 Ihs - 96.36'

Fd. 14" OAK, S 59° W at 96.4' No scar visible ^{11/17/81}

Belt. Co. Rd. Survey - June 1918

Found both Gov't B.T.s:

1. TAM S 42° E 114.1'

2. N. Pine S 79° W 85.8'

Set a dead tam. post 4x4x4

MKD. Aspen 4" S 52° W 78.6'

11/17/81 - CK-GB-JS

Fd. GLO iron cap in place in mossy bog approx. 100' north of edge of aspen.

Fd. old post beside iron.

Fd. one GLO BT

11/18/81 - J.S.

Rescribed G.L.O. W. Oak 14" S 59° W at 96.4' BT

Mkd. New B.T.s:

1. J. Pine 9" S 56° E 134.00' Scribed 1/4 S 9 BT

2. W. Oak 8" S 06° E 124.00' " 1/4 S 9 BT

6/5/84 Harry B. Bama

59 E-9

Section Cor. Sec. 4, 5, 8, 9.

Notes of G.L.O. Resurvey of 1932.

From remains of Orig B.T.s.

Set a Cylindrical Concrete Monument w/ brass Cap MKD.

Orig B.T.s

N. Pine. stp.	NB ^o E	22 Iks-	14.52'
N. Pine. stp	S 20 ^o S	58 Iks-	38.28'
J. Pine. stp	S 40 ^o W	123 Iks-	81.18'
N. Pine. stp	N 35 ^o W	102 Iks-	67.32'
" New B.T.s "			
J. Pine	4" N 51 ^o S	75 Iks-	49.50'
N. Pine	13" S 3 ¹ / ₄ ^o E	39 Iks-	25.74'
J. Pine	9" S 43 ¹ / ₂ ^o W	120 Iks-	79.20'
J. Pine	13" N 15 ¹ / ₄ ^o E	44 Iks-	29.04'

10-28-81 Ck-JS

Fd. concrete monument and Brass cap in place in center of blacktop highway - cap is exposed and at surface of road.

8/11/83 CK-JA+GB

Mkd. new BT'S:

1. J. Pine 8" N 36^o E 128.40'

Mkd.

BT

2. N. Pine 10" S 19^o E 74.70'

T146N R31W S9 BT

3. N. Pine 18" S 15^o W 103.90'

BT

4. N. Pine 8" N 49^o W 113.38'

T146N R31W S5 BT

8" Steel sign post south 68.20' with with signs attached. Line south is mkd. to F.S. Standard.

7/30/84 CK-JA-GB

All orig. & GLO trees fall in the road or ditches.

Belt Co. Road Survey - June 1918 - Found 2 gov't BT'S

N. Pine N18E 14.5'

N. Pine S20E 38.2'

Set a J. Pine post 4" x 4" x 3. MKD. BT'S:

Birch 4" S 50¹/₂^o W 27.8'Birch 4" N 75^o W 39.8'

Belt Co. Road Survey - Nov. 1921

Fd. post and both BT'S mkd. by C.L. Spencer

Belt Co. Highway Ties: June 1970 - fd conc. mon. with B.C.

J. Pine 6" NE 73.64' Nail & Disc Falls in ditch clear of

J. Pine 12" SW 79.0' N&D Falls in ditch

J. Pine 12" SE 95.63' N&D Fd. J.P. 14" S 21^o E 95.63'J. Pine 6" SE 94.64' N&D Fd. J.P. 10" S 42^o E 94.64'N. Pine 20" S 12^o W 103.13' N&D Fd. N.P. 18" MKD. BT leans South

Belt Co. Survey - June 25, 1975

Fd. Gov't mon. laying by 20" N. RAT. Reset Gov't mon.

flush in surface of road.

July 14, 1975 - MKD. new BT'S:

J. Pine 7" N 30^o E 128.40' Scribed BT, N&D SpikeJ. Pine 7" S 22^o E 90.58' " " "N. Pine 18" S 12^o W 103.02' " " "J. Pine 6" N 46^o W 130.65' " " "

5/24/84 - CK - GB - JA

Looked for county ties. (See above)

Quarter Cor. Sec. 5-8.
 Notes of G.L.O. Resurvey of 1932.
 Set a 3' long 1" ϕ iron post
 w/brass cap MKD

$\frac{1}{4}$ 55
 38
 1932

"Orig B.T.
 N. Pine 18" S40°E 29 1/4s - 19.14'

"New B.T.s"
 N. Pine 5" S13 $\frac{3}{4}$ °E 29 1/4s - 19.14'

W. Pine 5" N75 $\frac{1}{2}$ °W 26 1/4s - 17.16'

Nov. 30,

Belt. Co. Road Survey - 1921 - Set a new Oak Post
 4x4x3

Fd. both original B.T.'s:

1. N.P. Stp. S40°E 19.1'

2. N.P. Stp. N7°E 19.8'

Mkd. New B.T.'s:

Birch 5' S49°E 43.2'

Birch 5' S66°E 41.5'

Belt. Co. Highway Ties: 1970, fd. iron pipe w. th brass cap in place.
 W. Pine 10" NW 42.45' N4D
 W. Pine 12" NNW 29.38' N4D

3-19-2001

Fd BELTRAMI CO IRON DATED 1975 ON WEST SIDE
 OF APPROACH OFF COUNTY ROAD #12. CORNER IS 80
 FT NORTH OF #12.

COW PINE 18 N18°W 42.45

COW PINE 18 N38°W 29.38

NEW RAINE N70°W 50.55 FT TO SPK MKD #55 BT

8 FT STEEL SIGN POST 4.75 FT WEST

West $\frac{1}{6}$ Cor. Sec 5-8
 Notes of G.L.O. Resurvey of 1932
 by prop. distance set an
 iron post 3' long 1" ϕ w/brass
 Cap MKD.

W $\frac{1}{6}$ 55
 58
 1932

Burr Oak 6" S 68° W 106 lbs - 69.96'

NO EVIDENCE

F/M 12" N 77 $\frac{1}{2}$ ° W 66 lbs - 43.56'

NO EVIDENCE

3-15-2001 R. MAIN

Fd IRON UNDER ICE IN SWAMP. IRON IS BROKEN
 IN TWO PIECES BUT IN PLACE. IRON IS 75 FT
 EAST OF SMALL POINT OF W OAK AND CUT OVER AS FEAR
 CORNER IS 300 FT NORTH OF CORNER 412. DRIVE 8 FT
 STEEL SIGN POST ALONG ~~MONUMENT~~ MONUMENT AND WIRE
 MONUMENT TO POST. CAP NOW UP 3" ABOVE SWAMP.

W: OAK 12" S 84° W 87.7 TO SPR MKD: 58 FT
 W OAK 15" N 80° W 84.1 TO SPR MKD: 55 FT
 8 FT STEEL SIGN POST 3.65 FT EAST 3.85 FT NORTH

62 E-5

Section Cor. Sec. 5, 6, 7, 8.
Notes of G.L.O. Resurvey of 1932.
by prop. distance set a
Cylindrical Concrete Monument
w/ brass Cap MHD

T146N	R31W
56	55
57	58
19	32

Elm 6" N42 $\frac{3}{4}$ °E 32 1/4s - 21.12'

Burr Oak 5" S69°E 29 1/4s - 19.14'
Nail 0 $\frac{1}{2}$ " W OAK 3/24/2001

Ash 6" S59 $\frac{1}{2}$ °W 34 1/4s - 22.44'

Poplar 7" N86 $\frac{1}{2}$ °W 15 1/4s - 9.90'

~~660-11~~ by JANKA, 1965

Belt. Co. Hwy. in 1970 - found Brass cap in concrete
monument in place.

1-3-1934 874-9 P.N. LUND

3-26-2001 R MAIN

Fd GLO IRON IN PLACE AND BELTRAMI BT'S
AS FOLLOWS

BASSWOOD 8" S25°W 20.23 NAIL & WASHER

W OAK 6" N47°W 28.78

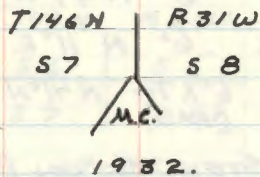
W OAK 6" N11°E 33.68 SPK & WASHER

W OAK 6" X 7 FT N41°W 35.05 NAIL & WASHER
(SNAG)

8 FT STEEL SIGN POST 3.2 FT EAST

Meander Cor. Sec. 7.8 North Shore
Lake Andrusia

Notes of G.L.O. Resurvey of 1932.
Record distance set an Iron
post 3' long 1" ϕ w/ brass Cap
M.H.D.



Elm 11" S40°W 138 Iks - 91.08'

Poplar 10" N29°W 39 Iks - 25.74'

64 G-7

Center Quarter Cor. Sec. 8.
Notes of G.L.O. Resurvey of 1932.

Set an iron post 3' long
1" ϕ w/ brass cap MHD.

Found as described

C¹/₄ 5 8

1932

J. Pine 6" N76³/₄E 26 1/4 - 16.50'

Now 12" at record by scribe with
NOW A HUNG UP SNAG 30' TALL.

J. Pine 8" S63°W 23 1/4 - 15.18'

Now 12" at record by scribe with
NOW A CUT OFF STUMP @ BRG & DIST

Set a 72" steel post due west 3.9 feet
with FS signs 54-2 & 54-4

4/1/70
W. O. O'Brien

6-01-2010 R MAIN

FD IRON IN GOOD CONDITION AND GAS.
CORNER IS 40 FT SOUTH OF WDS TRAIL AND
100 FT EAST OF WDS TRAIL WITNESS WITH:

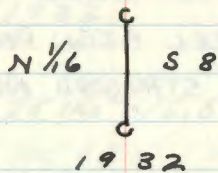
R PINE 13" S 67° E 39.07 FT TO SAK MKD: SB BT

R PINE 10" S 26° E 72.90 FT TO SAK MKD: SB BT

8 FT STEEL SIGN POST 4.15 FT NORTH

LINE TO STANDARD NORTH AND WEST.

Center North $\frac{1}{6}$ Cor. Sec. 8.
 Notes of G.L.O. Resurvey of 1932.
 by prop. distance set an
 iron post 3' long 1" ϕ
 w/brass cap MHD.



N. Pine 14" S 13° E 153 $\frac{1}{4}$ s - 100.98'
 IN LOGGED AREA

R. Oak 6" N 89° W 35 $\frac{1}{4}$ s - 22.44
 IN LOGGED AREA

B-2-2010 R MAIN

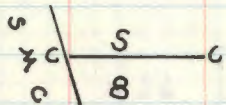
Fd IRON IN PLACE BENT 6" BELOW CAP.
 CORNER IN 6" ASPEN WITH A FEW MIXED
 HARD WOODS. GPS ED IRON. WITNESS WITH:
 WOAK 5" N 69° E 31.5 FT TO SPK MKD. S8 BT

WOAK 8" N 82° W 92.8 FT TO SPK MKD. S8 BT

8 FT STEEL SIGN POSTS 3.3 WEST 4.15 SOUTH
 LINE TO STANDARD SOUTH AND WEST

66 G-5,6

Special Meander Cor. Sec. 8.
Notes of G.L.O. Resurvey of 1932.
Set on Iron post 3' long
1" ϕ w/ brass Cap MHD
Found in good condition



Borr. Oak. 6" N19°E 54 Ms - 35.64'
Found 8" record by \neq dist scribe overground

Borr. Oak. 4" S30°E 23 Ms - 15.18'
Found 6" record by \neq dist scribe overground

Now B.T.

Oak 1" N54°E 13.9 feet scribed SMC 5857

Steel sign post 72" long due east 11.2 feet
with F.S. signs 54-2 & 54-4 attached

6/1/70
WJH
Kenna

Witness Cor. to North West $\frac{1}{16}$ Sec. 8.
 Notes of G.L.B. Resurvey of 1932.
 Set an Iron post 3' long
 1" ϕ w/ brass Cap M.H.D.

WG

NW $\frac{1}{16}$ S 8

1932

As accessory to Cor. Set an
 ash post 7' long 4x4" alongside
 of Iron post.

No. B.T.s

68 E-11

Quarter Cor. Sec. 4-9.

Notes of G.L.O. Resurvey of 1932.
by prop distance Set an Iron
Post 3' long 1" ϕ w/ brass
Cap MKD. 6" Below Rd.

Fd. GLO monument

set 6" under old $\frac{1}{4}$ 54
hwy. 59

N. Pine 10" N80 $\frac{1}{2}$ °E 164 Mk - 108.24'

Fd. N. Pine 17" at bring & dist. Scribe visible.

5/24/84

J. Pine 8" S28 $\frac{1}{2}$ °E 158 Mk - 104.28'

Fd. a well rotted J.P. stp. at bring & dist. ^{5/24/84}

5680-11. By SCHAUTER, 1964

CK-JS 10/28/81

Fd. iron & cap in place 6" below road.

Fd. GLO R. Pine and County Hwy. Eng. tie.

County tie R. Oak 8" N12W 34.55.

Fd. 4x4x6" cedar post due north 34.0' with F.S.L.P.
& 54-9 attached

Mkd. New BT:

N. J. Pine 10" S20°E 38.75' MKD $\frac{1}{4}$ 59 BT

Belt Co. Survey - 1921

Didn't find any evidence of corner. Set a gas pipe
12" x 48" at proportionate distance.
Nothing to mark for BT's.

Belt Co. Highway Ties 1968 Nov. 2

Fd. iron pipe with brass cap in place set .8'
under road. Squared post north 34.0'

Belt Co. Highway Ties 1964

B.C. Iron pipe down .8" MKD. Ties:
Paper 12" SW 91.60' Nail & Disc
Birch 5" North 87.70' N & D
Birch 3" NE 80.62' N & D
Balsam 3" NE 95.89' N & D

Beltrami Co. Survey - 1975, Dave Claypool, George Coulombe, Mr. Olson

Fd. GLO iron monument. Fd. J. Pine stp. S28E 104.28'

with scribe. Fd. N. Pine 18" at bring and distance.

Mkd. R. Oak 8" N12W 34.54 Nail & Disc, Spike

R. Oak 6" SW 64.32 N & D & Spike

N. Pine 6" S54E 67.50' N & D & Spike

6/6/84 - GB-JA

Fd. Belt Co. Tie Trees

R. Oak 9" N12W 34.59

N. Pine 7" S54E 67.50

R. Oak snag 6" SW 64.32

Section Cor. Sec. 3-4-9-10.

Notes of G.L.O. Resurvey of 1932.
From County Surveyor's records, set
a Cylindrical Concrete Monument
6" Below Surface of Road.

T146N R31W

S4 S3

S9 S10

1932

Stp's. MKD. and Recorded by Beltrami Co. Survey

Pine S36°E 102 INs 67.32'

Oak N19½°E 63 INs 41.58'

Cor. was set from orig. B.T.s from
Co. Engineers. (trees were destroyed
by road construction.)

"New B.T.s"

J. Pine 14" N45½°E 341 INs 225.06'

Fd. J.P. 20" N46°E 225.06'

Birch 4" S57¼°E 95 INs 62.70'

Falls in ditch

N. Pine 20" S75°W 309 INs 203.94'

Fd N.P. 24" S75°W 203.94'

N. Pine 15" N82°W 440 INs 290.40'

Fd N.P. 22" N82°W 290.40'

3680-11 by JAHNKE, 1963

7/19/83 - J. Allison, G. BRAMA 1968
Fd. a 6" x 24" conc. cylinder with B.C. mkd. R.L.S. NO
under blacktop approx. 3' down. Bearings and
distances check from 3 G.L.O. bearing trees.

Fd. a 1½" x 15" iron pipe along side the conc.
cylinder.

To perpetuate this corner we reset the conc. cyl.
to two inches below surface of the blacktop and
placed iron pipe on north side.

Mkd. new B.T.S.
1. W. Oak, 8", S18°E at 91.95' Mkd. T146N R31W S10 BT

2. W. Oak, 8", S17°W at 81.73' Not scribe at this time.

Placed a 4" x 4" x 8" pres-treated wood post with
F.S.L.P. on back at 7 S2W and 54.33' from corner.
Attached property bound. and attention signs to
post.

Line south is mkd. to F.S. standard.

7/19/83 Gary Brama

Beltrami Co. Survey - 1921

Spencer fd. two original B.T.s:

N.P. Stp S70E 46.2'

N.P. Stp N80E 97.0'

Set a gas pipe 1" x 20" and mkd. B.T.s:

1. Oak stp 6" N19½°E 41.0' } Both fall in ditch.
2. Pine stp 24" S36°E 67.4 }

Beltrami Co. Highway Ties: 1970 Fd. Concrete monument with brass
Oak 5" SW 82.37" Nail & Disc Fd. W. Oak 8" S19W Cap
Oak 8" SE 84.49" N&D Fd. Oak stb. 6", 8" S32E

Beltrami Co. Highway Ties: 1964 Fd. Iron pipe .3' down.

1. Birch 12" NW 99.12" Nail & Disc Fd. Birch 15" NW W

2. Oak 6" SE 81.06" N&D Not fd.

3. Poplar 12" SW 80.58" N&D Not fd.

5/24/84 - CK-GB-JA

Looked for Beltrami County ties. See above.

Note: No U.S.F.S. notes could be found concerning the placement of the
6" x 24" conc. cylinder w/ brass tablet in 1968. We found G.L.O.
tree however confirm its location. M.C. Hayes 7-2-84

70 C-9

Quarter Cor. Sec 4-5.

Notes of G.L.O. Resurvey of 1932.

Set on Iron post 5' long 1" ϕ
w/brass Cap MND.

1/4

Found in good
Condition

55 | 54

19 32

N. Pine 18" S62°E 76 1/4s - 50.16'

found in good condition

N. Pine 15" N58 3/4°W 100 1/4s - 66.00'

found in good condition

Set a 4x4x72" cedar post with
F.S. sign 54-2 attached

Set post Due East 3.4'

10/10/68
Curt Krause
Lyle Elliott

A.F. Elliott

RAN LINE NORTH OF SEC. COR. TO SOUTH OF THIS 1/4 COR.
TRUE LINE CUT OPEN AND POSTED TO STANDARD
9-25-26-83 CK-GB-JA

FD. 6.0 IRON AND CAP IN PLACE IN GOOD CONDITION
6" ABOVE GROUND - IN ASPEN - BALSAM - BIRCH & PINE

FD. 6.0 N. PINE 23" S62°E 50.2' SCRIBE OVERGROUND
50" SPIKE ON SIDE RESCRIBED BT

FD. 6.0 N. PINE 22" N59°W 66.0' SCRIBE OVERGROUND
50" SPIKE ON SIDE RESCRIBED BT

NEW BT
N. PINE 14 S75°W - 35.70 MKD 1/4 55 BT

8' STEEL SIGN POST SOUTH 4.0'
8' STEEL SIGN POST EAST 4.0'

REMOVED CEDAR POST AND PLACED IT DUE NORTH OF
1/4 COR. 253' ON SOUTH SIDE OF WOODS TRAIL NE-SW

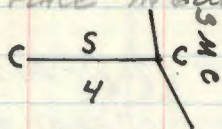
9-26-83
Curt Krause
GB-JA

71 C-10, 11

Special Meander Cor. Sec. 4
S.W. shore of Big Lake.

Notes of G.L.O. Resurvey of 1932.
Set an iron post 3' long 1" ϕ
w/brass cap MKD.

Fd. GLO IRON AND CAP IN PLACE - IN GOOD CONDITION
BUT BANK IS ERODING
INTO LAKE AND MONUMENT.
WOULD FALL VERY SOON INTO LAKE 1932



Balsam 6" S 33 $\frac{1}{4}$ °W 9 1/4s - 5.94'

NO EVIDENCE REMAINS

Balsam 6" N 44°W 8 1/4s - 5.28'

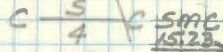
NO EVIDENCE REMAINS

REMOVED GLO IRON FROM POSITION AND SET WITNESS
CORNER ON LINE ON SAFE GROUND 15.23' WEST

SET 2" X 5' IRON PIPE WITH BRASS CAP MKD.

T/46 N 83° W

WC



1983

RLS NO 14677

W. PAK 10 N 55°W 51.55 MKD WC SMC 54 BT

W. PAK 12 N 19°W 33.25 MKD WC SMC 54 BT

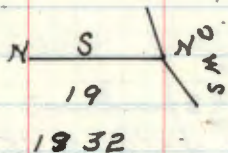
8' STEEL SIGN POST ONE WEST 4.0'

LAKE SHORE AT THIS DATE IS 17' EAST OF W.C.
GLO IRON WAS ON TOP OF 8' HIGH SAND RIDGE WHICH
WAS ERODING INTO LAKE - CORNER WAS SET ON
LINE BETWEEN 1/4 COR AND SMC IN ORIGINAL POSITION
DISTANCE BETWEEN CORNER S BY GLO 31.42 CHS. OR
2073.7' OUR DISTANCE WAS 2072.92'

THIS LINE BETWEEN 1/4 COR. AND WC SMC IS POSTED
TO STANDARD 9-26-83

9-26-83 CR-60-JA

Special Meander Cor. Sec. 19.
 Notes of G.L.O. Resurvey of 1932.
 Set an Iron post 3' long
 1" ϕ w/ brass Cap MKD.



Poplar 4" S 29 $\frac{1}{2}$ $^{\circ}$ W 40 1/2 - 26.40'

Poplar 4" N 14 $^{\circ}$ W 35 1/2 - 23.10'

73 J-3

Quarter Cor. Sec. 7-18
Notes of G.L.O. Resurvey of 1932.
From Remains of Orig B.T.s. Set
an Iron post 3' long 1" ϕ
w/brass Cap MKD.

$\frac{1}{4}$ $\frac{57}{518}$

Orig B.T.s

W. Pine. St. 28" S 37 $\frac{1}{2}$ ° E 56 1/4s - 36.96'

W. Pine. St. 30" S 43° W 86 1/4s - 56.76'

"New B.T.s"

Burr. Oak. 6" N 27 $\frac{1}{2}$ ° E 67 1/4s - 44.22'
STUMP HOLE

Burr. Oak. 6" S 34° E 68 1/4s - 44.88'
DEPRESSION @ GROUND NOT CONCLUSIVE.

5680-11 By ROHIS & SARK, 1967

DIFF CORRECTED GPS
47° 28' 03.00436
94° 39' 37.18029

9-26-01 R MAIN

FD CORNER IN PLACE IN MIXED HARDWOODS.
CORNER ON GENTLE SOUTH WEST FACING SLOPE +
75 FT NORTH AND EAST OF DRAINAGE FROM LAKE
ANDRUSIA

W OAK 14" N 28° E 54.00 FT TO SPK NOT MKD

W OAK 11" S 40° W 9.03 FT TO SPK OLD BLAZE
ON THIS OAK. ALSO NAIL UNDER BARK. PLACE SPK BELOW
OLD NAIL. ORIGIN UNKNOWN.

BASSWOOD 11" S 83° E 27.85 FT TO NAIL; OLD BLAZE
ORIGIN UNKNOWN

8 FT STEEL SEGN POST S. 0 NORTH 3. 0 WEST.
LINE TO STANDARD NORTH AND WEST OF CORNER

East $\frac{1}{16}$ Cor. Sec. 6. 7. (WITNESS CORNER)
 Notes of G.L.O. Resurvey of 1932
 Set on Iron post 3' long 1" ϕ
 w/brass Cap MND.

w.c.

E $\frac{1}{16}$ 56

57

1932

Elm. 6" S 39 $\frac{1}{2}$ ° W 308 1/2' 203.28'

W. Pine. 12" N 27 $\frac{1}{2}$ ° W 174 1/2' 114.84'

Now 31" W PINE @ BRG AND DESTO

94-01 R MAEN

Fd GLO IRON IN PLACE 1 FT UNDER A FLOATING
 BOG AND 5 FT WEST OF WATERS EDGE.

CORNER NOW UP 6" ABOVE AND WIRED TO 8 FT
 STEEL SIGN POST. CAP IS ON TOP OF
 THE TOP OF SIGN POST, SO ALL OF THE 8 FT
 POST EASILY SHOULD INTO THE BOG. POND EAST
 OF WC IS ABOUT 3 ACRES IN SIZE

DIFF CORRECTED GPS

47° 28' 58.39909 N

94° 39' 20.16038 W

75
Center Quarter Sec. 7.

Notes of G.L.O. Resurvey of 1932.
Set an iron post 3' long 1" ϕ
w/brass Cap MHD.

C $\frac{1}{4}$ S 7

1932

Poplar 8" N68 $\frac{3}{4}$ °E 15 1/2 - 9.90'
NO EVIDENCE

N. Pine 4" S 80°W 74 1/2 - 48.84'
Now 2 1/2" @ BRG AND DIST SCRIBE OVERGROWN
BUT NEW BLAZES NOT MARKED. DIST TO NAIL SOUTH
SIDE OF TREE.

9-12-01 R. MAIN

Fd 2" IRON WITH CAP UP 5" CORNER IN
MIXED HARDWOODS 100 FT EAST OF FR 3634A
Fd FSLP ON 8" BASWOOD BY MS AND RR 11-2-67
NORTH 4 FT OF CORNER. ALSO FIND NEWER
BT ORIGIN UNKNOWN WILL NOTE BELOW

NEW R. PINE 17" N 15°E 52.40 FT TO NAIL BLAZED
NOT MKD

8 FT STEEL SIGN POSTS 39 SOUTH 41 EAST
LINE TO STANDARD SOUTH AND EAST OF CORNER

DIFF CORRECTED GPS
47° 28' 31.18935
94° 39' 37.54777

Center East $\frac{1}{6}$ Cor. Sec. 7
 Notes of G.L.O. Resurvey of 1932.
 by prop. distance set an
 iron post 3' long 1" ϕ w/brass
 cap MHD.

(E $\frac{1}{6}$)
 S 7
 1932

ELM 9" S 80° W 83 1/6 - 54.78'

NOW 12" WINDFALL @ BRG E DIST 10" X 4" UPPER
 BLAZE VISIBLE BT ROTTED OUT

ELM 12" N 44 $\frac{1}{2}$ ° W 90 1/6 - 59.40'

NO EVIDENCE

9-24-01 R MAIN

Fd IRON IN PLACE IN GRASS & WILLOW FLOATING
 BOG. CORNER IS \pm 50 FT EAST OF WOODS.

WERED MONUMENT TO 8 FT STEEL SIGN POST
 OF WHICH 3 FT IS ABOVE GROUND. CAP 4" ABOVE

BOG. Fd SOME OF THE TREES ORIGIN UNKNOWN, BUT
 BELIEVE TO BE OKERMAN

W OAK 9" N 45° W 95.50 FT TO SPK OLD BLAZED
 NAIL ON TREE

ASH 9" N 73° W 50.90 FT TO BRK MHD: 57 BT

DIFF CORRECTED GPS

47° 28' 31.01907

94° 39' 18.022757

8 FT STEEL SIGN POST 4.75 FT WEST
 LINE TO STANDARD WEST OF CORNER.

FIND $\frac{3}{4}$ " IRON PIPE UP 6" WITH PLASTIC CAP
 RLS 6807 (BILL OKERMAN) ON LINE 25 FT EAST OF
 FR 3634 PLACE SIGN POST 0.6' WEST OF PIPE.
 DISTANCE TO CLOSEST EDGE OF POST.

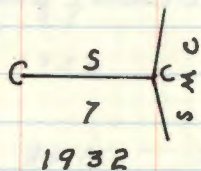
77
Special Meander Cor. Sec. 7

West Shore

Lake Andrusia.

Notes of G.L.O. Resurvey of 1932.

Set on Iron post 3' long
1" ϕ w/brass Cap MKD.



B. Gil. 5" S49°W 22 1/4s - 14.52'

Poplar 12" N73°W 21 1/4s - 13.86'

North East $\frac{1}{6}$ Cor. Sec. 7.
 Notes of G.L.O. Resurvey of 1932.
 Set an Iron post 3' long
 1" ϕ w/ brass Cap MKD.
 8-1-94 CK

Fd. IRON CAP - IN PLACE NE $\frac{1}{6}$ S7

6" ABOVE GROUND - IN HARDWOODS

WITH SCATTERED PINE

J. Pine 6" N44°E 41 INs - 27.06'
 AT N44E - 27.1'
 NOW WELL ROTTED J. PINE STUMP LEVEL w/ GROUND

J. Pine 8" N58 $\frac{3}{4}$ °W 67 INs - 44.22'
 AT N59°W - 44.2'
 NOW 8" WELL ROTTED J. PINE STUMP 5" HIGH

MARKED NEW BT's,

N. PINE 18" N12 E - 61.97' MKD NE $\frac{1}{16}$ S7 BT

N. PINE 17" N45 W - 79.11' MKD NE $\frac{1}{16}$ S7 BT

N. PINE 18.5" N80 W - 105.50' MKD NE $\frac{1}{16}$ S7 BT

8' STEEL SIGN POSTS NORTH 4.0' & EAST 4.4'

DIFF CORRECTED GPS
 47° 28' 44.75828
 94° 39' 18.32818

220' WEST OF IRON OLD WOODS TRAIL NE-SW
 420' WEST OF IRON FR #3634 N45
 PLACED FSLP ON 8" J. PINE ON EAST SIDE
 OF FR 3634 CORNER IS 390' EAST OF TAG
 TAG IS 25' EAST OF ROAD

79.
 Special Meander Cor. Sec. 7
 Notes of G.L.O. Resurvey of 1952.
 Set an Iron post 3' long
 1" ϕ w/brass Cap MHD.
 N89°26'E OF NE 1/16 507CHS, OR 334.62'
 8-3-94 CK

CHAINED EAST TO LAKE N S NE
 IRON^{WOULD}FALLS IN LAKE 10' 7'

NO TRACE OF IRON OR B.T.S. 1952

MEASURED 334'-LAKESHORE AT 324'

Poplar 12" 562 1/4' W 23 1/2° - 15.18'

Poplar 10" N83 1/4° W 23 1/2° - 16.18'

IMPROVED TABLES AND INFORMATION

HORIZONTAL STADIA CORRECTIONS

2°-00' — 0.1	21°-00' — 12.8	33°-00' — 29.7
3°-00' — 0.3	21°-30' — 13.4	33°-15' — 30.1
4°-00' — 0.5	22°-00' — 14.0	33°-30' — 30.5
5°-00' — 0.8	22°-30' — 14.7	33°-45' — 30.9
6°-00' — 1.1	23°-00' — 15.3	34°-00' — 31.3
7°-00' — 1.5	23°-30' — 15.9	34°-15' — 31.7
8°-00' — 1.9	24°-00' — 16.5	34°-30' — 32.1
9°-00' — 2.5	24°-30' — 17.2	34°-45' — 32.5
10°-00' — 3.0	25°-00' — 17.9	35°-00' — 32.9
10°-30' — 3.3	25°-30' — 18.6	35°-15' — 33.3
11°-00' — 3.6	26°-00' — 19.2	35°-30' — 33.7
11°-30' — 4.0	26°-30' — 19.9	35°-45' — 34.1
12°-00' — 4.3	27°-00' — 20.6	36°-00' — 34.6
12°-30' — 4.7	27°-30' — 21.3	36°-15' — 35.0
13°-00' — 5.1	28°-00' — 22.0	36°-30' — 35.4
13°-30' — 5.5	28°-30' — 22.8	36°-45' — 35.8
14°-00' — 5.9	29°-00' — 23.5	37°-00' — 36.2
14°-30' — 6.3	29°-30' — 24.3	37°-15' — 36.6
15°-00' — 6.7	30°-00' — 25.0	37°-30' — 37.1
15°-30' — 7.2	30°-15' — 25.4	37°-45' — 37.5
16°-00' — 7.6	30°-30' — 25.8	38°-00' — 37.9
16°-30' — 8.1	30°-45' — 26.2	38°-15' — 38.3
17°-00' — 8.5	31°-00' — 26.5	38°-30' — 38.7
17°-30' — 9.0	31°-15' — 26.9	38°-45' — 39.1
18°-00' — 9.5	31°-30' — 27.3	39°-00' — 39.6
18°-30' — 10.1	31°-45' — 27.7	39°-15' — 40.0
19°-00' — 10.6	32°-00' — 28.1	39°-30' — 40.5
19°-30' — 11.2	32°-15' — 28.5	
20°-00' — 11.7	32°-30' — 28.9	
20°-30' — 12.3	32°-45' — 29.3	

Chains to Feet

1	66
2	132
3	198
4	264
5	330
6	396
7	462
8	528
9	594
10	660

Feet to Chains

100	1.515
200	3.030
300	4.545
400	6.060
500	7.575
600	9.090
700	10.606
800	12.121
900	13.636
1,000	15.151