

T58N R27W 43 P.M. 3

T58N

R 27 W

4th P.M.

MINING TRANSIT BOOK

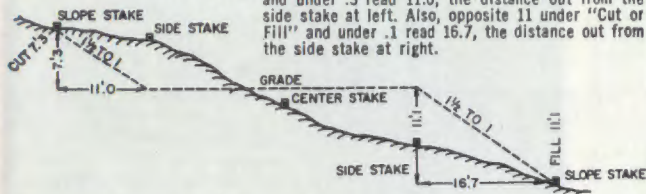
190028

Book #3

DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING

Roadway of any Width. Side Slopes 1½ to 1.

In the figure below: opposite 7 under "Cut or Fill" and under .3 read 11.0, the distance out from the side stake at left. Also, opposite 11 under "Cut or Fill" and under .1 read 16.7, the distance out from the side stake at right.



Cut or Fill	Distance out from Side or Shoulder Stake										Cut or Fill
	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0.0	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0
1	1.5	1.7	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	1
2	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1	4.2	4.4	2
3	4.5	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.7	5.9	3
4	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2	7.4	4
5	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	5
6	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.1	10.2	10.4	6
7	10.5	10.7	10.8	11.0	11.1	11.3	11.4	11.6	11.7	11.9	7
8	12.0	12.2	12.3	12.5	12.6	12.8	12.9	13.1	13.2	13.4	8
9	13.5	13.7	13.8	14.0	14.1	14.3	14.4	14.6	14.7	14.9	9
10	15.0	15.2	15.3	15.5	15.6	15.8	15.9	16.1	16.2	16.4	10
11	16.5	16.7	16.8	17.0	17.1	17.3	17.4	17.6	17.7	17.9	11
12	18.0	18.2	18.3	18.5	18.6	18.8	18.9	19.1	19.2	19.4	12
13	19.5	19.7	19.8	20.0	20.1	20.3	20.4	20.6	20.7	20.9	13
14	21.0	21.2	21.3	21.5	21.6	21.8	21.9	22.1	22.2	22.4	14
15	22.5	22.7	22.8	23.0	23.1	23.3	23.4	23.6	23.7	23.9	15
16	24.0	24.2	24.3	24.5	24.6	24.8	24.9	25.1	25.2	25.4	16
17	25.5	25.7	25.8	26.0	26.1	26.3	26.4	26.6	26.7	26.9	17
18	27.0	27.2	27.3	27.5	27.6	27.8	27.9	28.1	28.2	28.4	18
19	28.5	28.7	28.8	29.0	29.1	29.3	29.4	29.6	29.7	29.9	19
20	30.0	30.2	30.3	30.5	30.6	30.8	30.9	31.1	31.2	31.4	20
21	31.5	31.7	31.8	32.0	32.1	32.3	32.4	32.6	32.7	32.9	21
22	33.0	33.2	33.3	33.5	33.6	33.8	33.9	34.1	34.2	34.4	22
23	34.5	34.7	34.8	35.0	35.1	35.3	35.4	35.6	35.7	35.9	23
24	36.0	36.2	36.3	36.5	36.6	36.8	36.9	37.1	37.2	37.4	24
25	37.5	37.7	37.8	38.0	38.1	38.3	38.4	38.6	38.7	38.9	25
26	39.0	39.2	39.3	39.5	39.6	39.8	39.9	40.1	40.2	40.4	26
27	40.5	40.7	40.8	41.0	41.1	41.3	41.4	41.6	41.7	41.9	27
28	42.0	42.2	42.3	42.5	42.6	42.8	42.9	43.1	43.2	43.4	28
29	43.5	43.7	43.8	44.0	44.1	44.3	44.4	44.6	44.7	44.9	29
30	45.0	45.2	45.3	45.5	45.6	45.8	45.9	46.1	46.2	46.4	30
31	46.5	46.7	46.8	47.0	47.1	47.3	47.4	47.6	47.7	47.9	31
32	48.0	48.2	48.3	48.5	48.6	48.8	48.9	49.1	49.2	49.4	32
33	49.5	49.7	49.8	50.0	50.1	50.3	50.4	50.6	50.7	50.9	33
34	51.0	51.2	51.3	51.5	51.6	51.8	51.9	52.1	52.2	52.4	34
35	52.5	52.7	52.8	53.0	53.1	53.3	53.4	53.6	53.7	53.9	35
36	54.0	54.2	54.3	54.5	54.6	54.8	54.9	55.1	55.2	55.4	36
37	55.5	55.7	55.8	56.0	56.1	56.3	56.4	56.6	56.7	56.9	37
38	57.0	57.2	57.3	57.5	57.6	57.8	57.9	58.1	58.2	58.4	38
39	58.5	58.7	58.8	59.0	59.1	59.3	59.4	59.6	59.7	59.9	39
40	60.0	60.2	60.3	60.5	60.6	60.8	60.9	61.1	61.2	61.4	40

DISTRICT RANGER
 U. S. Forest Service
 P. O. Box 308
 Deer River, MN 56636

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T58N R27W 4th P.M.

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DISTRICT RANGER
U. S. Forest Service
P. O. Box 308
Deer River, MN 56636

R-21

Fendall G Winston

Notes on Original Surveyor

Single Blaze 3.5' Long for all
 scribing with heavy hack at
 base of blaze .15' deep. B in
 BT starts 22cm up from hack
 Scurlor #2 is complete circle
 with tail 2. Cedar 58cm dia

Set post from which:

W. Birch, 8 in, $S75^{\circ}E$, 34 lbs (22.44 ft)
 Tam, 8 in, $N47^{\circ}E$, 19 lbs (32.34 ft)
 Tam, 10 in, $N27^{\circ}SW$, 21 lbs (13.86 ft)
 Cedar, 10 in, $S42^{\circ}W$, 82 lbs (54.12 ft)

1924 Lloyd W. Johnson recovery

found:

Cedar, 16 in, $S42^{\circ}W$, 54.1 ft
 Tam, 16 in, $N47^{\circ}E$, 32.3 ft

established:

From monument

Spruce, 7 in, $N30^{\circ}W$, 11.7 ft
 B. Ash, 4 in, $S60^{\circ}E$, 19.6 ft

C-22 CENTRE WEST 1/16 SECTION 1

Subsequent Forest Service recovery

recovered: iron monument

poplar, 9 in, S 18° W, 9.3 ft

poplar, 1.0 in, N 51° E, 28.75 ft

3

T58N R27W Sec 1 C1/4

Subsequent Forest Service recovery

recovered: iron monument

W. Pine, stump, 20 in, S33°E, 26.30 ft

W. Pine, stump, 18 in, N50°E, 19.90 ft

(4)

T58N R27W Sec 1 SW 1/16

1935 Johnson survey
set iron monument

From which:

Spruce, 5 in, N56°W, 19.30 ft

1966 Okerman recovery

found: a 2 in diameter iron pipe

spruce, 13 in, N48°W, 19.3 ft, w/scribe overgrown

established: 6 in diameter, 5 ft. long,
cylindrical concrete monument capped
with a 3 in diam. bronze tablet stamped:

T58N R27W

SW 1/16 S1

1966

RLS No. 6807

From which:

Oak, 8 in, N06°E, 44.5 ft

Oak, 7 in, S50½°W, 45.55 ft

Spruce, 13 in, N48°W, 19.3 ft

Cedar post, 4x4x72 in, w/54-2, 54-4, east, 4.7 ft

1980 R. Olesen recovery

found: Monument in place and in good
condition

From which:

Oak, 10 in, N06°E, 44.5 ft

Oak stump, S50°W, 45.55 ft

Spruce, 15 in, N48°W, 19.3 ft

Cedar post, 4x4 in, east, 4.7 ft

established:

W. Oak, 5 in, N84°W, 13.83

T58N R27W Sec 1 CS 1/16 0-23

1935 Lloyd Johnson survey
set iron monument

From which:

Birch, 7 in, N72°W, 14.65 ft

Birch, 7 in, N23°E, 14.15 ft

1966 Okerman recovery

found a 1 in diam. iron pipe

From which:

Birch, 14 in stub, N66°W, 14.65 ft, scr: visible

Birch, 15 in, N32°E, 14.15, scr: visible

established:

2 in inside diameter, 5 ft long, galvanized
steel pipe filled with concrete and
capped with a 3 in diam bronze tablet

stamped:

T58N R27W

5/16 | 51

1966
RLS No. 6807

From which:

Ash, 4 in, S59°W, 23.65 ft

Cedar, 16 in, S42°E, 58.9 ft

Steel sign post W/542, 544, north, 3.9 ft

1980 R. Olesen recovery
Monument in place and in good
condition. BT's all in good
condition.

Established:

Steel post, 8 in, west, 6.4 ft, W/54-2

T58N R27W Sec 13

Original survey

1923 Lloyd W. Johnson recovery
set iron monument

From which:

Balsam, 4 in, $S70^{\circ}W$, 26.1 ft
Basswood, 8 in, $N71^{\circ}E$, 31.8 ft

1966 Okerman recovery

Found: 1 in diam. iron pipe

From which:

balsam stump, $S80^{\circ}W$, 26.8 ft, scr visible
basswood, 12 in, $N80^{\circ}E$, 31.8 ft, scr overgrown
established:

6 in diam., 5 ft long, cylindrical concrete
monument capped with a 3 in diam. bronze
tablet stamped:

T58N R27W

$$\frac{1}{4} \begin{array}{r} S13 \\ S24 \end{array}$$

1966
RIS No. 6307

From which:

Cedar, 7 in, $N43^{\circ}W$, 35.4 ftMaple, 7 in, $N29^{\circ}E$, 62.9 ftOak, 11 in, $S22^{\circ}E$, 44.7 ft

Steel sign post w/54-2,549, east 2.0 ft.

G. Kosenko and K. Matson Recovery, August 30, 1962

Recovered a 6 in diam concrete monument with
a 3 in diam. brass cap stamped
up 2.0 feet of ground

also recovered a 1 1/2 OD iron pipe
adj to FS man up 6 inches

From FS monument:

Basswood, 15.8 in, $N80^{\circ}E$, 32.10 ft, ^{scribing} ^{overgrown}

Oak, 12.3 in, $S20^{\circ}E$, 44.7 ft, ^{blazes} ^{overgrown}

Balsam, ^{rotted} stump, $S79^{\circ}W$, 26.66 ft, ^{reverse} ^{scribing visible}

Cedar, 8.0 in, $N46^{\circ}W$, 34.98 ft, ^{1/4 S13 E1} visible

Maple, 8.5 in, $N26^{\circ}E$, 62.89 ft, ^{blazes} ^{overgrown}

Metal sign post $N89^{\circ}E$, 1.90 ft, w/54-2759, 4

Measurements taken to 16d nail in side of trees
placed 60d spike in base blaze of trees

Fence line running south and east from
corner

See T58N R27W BK 1 pg 67

✓ N-24

T58N R27W Sec 13 E 1/4 13-24

1923 Lloyd Johnson survey
set iron monument

From which:

Ash, 7 in, N41°E, 13.8 ft

1966 Okerman recovery

found: 1 in diam. iron pipe

Ash, 13 in, N45°E, 13.8 ft, scr overgrown
established:

6 in diameter, 5 ft long, cylindrical concrete
monument capped with a 3 in diam

bronze tablet stamped: T58N R27W

E 1/4 S 13
S 24

1966
RLS No. 6807

From which:

Cedar, 11 in, N58°W, 30.3 ft

Ash, 9 in, S46°W, 26.5 ft

County Ash, 13 in, N45°E, 13

Steel sign post w/542, 544, west, 4.9 ft

1965 G. R. Jahnke recovery

found: Iron pipe and scribed cedar,
post located at fence corner. Placed

new location tag on SW side of
Ash tree, bearing Apr. S42°W, .2 chs.
to corner

G. Kosenko and R. Fallon Recovery August 27, 1962

Recovered: A 6 in. diam concrete monument with
a 3 in diam brass cap mtd:

up 1.9 ft out of ground

Also recovered a 1 1/2 in O.D.

iron pipe 6 in out of ground, adj.

Also recovered a 4x4 post squared with
scribing faintly visible, adj.

From U.S.F.S monument:

Ash, 15 in, N48°E, 13.80 ft, from 1/2 in nail in
side of tree, blazes overgrown, 60d spike

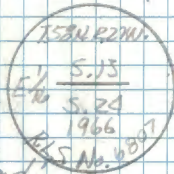
Ash, 11 in, S42°W, 26.5 ft from nail in side
of tree where I approximate face blaze to be. ^{blazes over} 60d spike ^{grown}

Cedar, 12 in, N58°W, 30.29 ft from 1/2 in nail
in side of tree, scr: "E 1/4 S 13 24", 60d spike

Metal fence post, west, 7.95 ft w/542

Metal fence post, S88°E, 10.14 ft w/542

See T58N R27W BK 1 pg 68



N-25
T58N R27W NE Sec Cor 24

1873 Original survey

Set post from which:

spruce, 8 in, N25°W, 35 lbs
E Cedar, 5 in, N63°E, 8 lbs
Cedar, 4 in, S67°E, 20 lbs
Cedar, 5 in, S54°W, 6 lbs

1925 L.W. Johnson recovery

Set iron monument

From which:

poplar, 6 in, S72°E, 43.9 ft
poplar, 5 in, N41°E, 47.3 ft
birch, 5 in, S38°W, 40.2 ft

1966 Okerman recovery

found: 1 in. diam. iron pipe

poplar, decayed stump, S66°E, 43.9 ft
poplar, decayed stump, N45°E, 47.3 ft
birch, 8 in, S47°W, 40.2 ft, scr visible

Established:

6 in diam, 5 ft., cylindrical concrete
monument capped with a 3 in diam.
bronze tablet stamped

T58N
R27W R26W

518 | 518

529 | 519

1966

BLS No 6807

T58N R27W E416 23-26

1924 Floyd Johnson survey

Forest Service recovery (date unknown)
found: iron monument

Pine stp, 36in, 535°E, 39.2 ft

poplar, 6in, 553°W, 39.4 ft

See T58N R27W E416 pg 6

T 58N R 27W Sec 26 N¹/₄ 26-25

1923 L.W. Johnson survey
Set iron monument

T58N R27W Sec 26 E 1/4

T-21

original survey

Set 1/4 sec cor from which:

N. Pine, 10 in, N45°30'W, 32 lks, (21.12 ft)

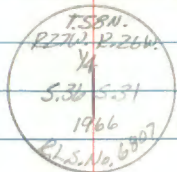
Cedar, 8 in, N52°E, 12 lks, (7.92 ft)

12

See: T58N R27W BK1 pg 33

T58NR27W E 1/4 sec. 36

G. Kasenko Recovery Sept 7, 1982
 Recovered a 2 1/2 in O.D. concrete filled
 galvanized iron pipe with a 3 in diam
 brass cap stamped:



up 1.8 feet from which:

W. Pine, stump, N31°E, 34.40, badly rotted,
 no scribing visible

W. Birch, 7.0 in N50°E, 28.92 ft from 14d spike
 in side of tree, ser "4531 BT" visible w/60d spike

W. Pine, stump, N72°E, 35.60 ft, badly rotted
 no scribing visible

R. Maple, 8.9 in, S24°W, 20.88 from 14d nail
 inside of tree, blaze overgrown, w/60d spike

W. Birch, 6.8 in N59°W, 12.98 ft, from 14d nail
 in side of tree, ser "4536 BT" partly vis w/60d spike

Metal fence post, S06°W, 3.23 ft, w/54-2, 54-4

See T58NR27W BK 2 pg 11

T 58N R27W E 1/4 sec 36

From which:

Birch, 6 in, S65°W, 22.7 ft (5/1/16 S36 BT)

Oak, 3 in, N18°E, 84.9 ft (X BT)

Birch, 6 in, N06°W, 25.8 ft (5/1/16 S36 BT)

Steel sign post 54-2, 54-4, South, 4.1 ft

See T58N R27W Bk 2 pg 12

T58-58 R27-26

Z-25 TOWNSHIP CORNER 1-6-31-36

5/9/91 R. MAIN.

Fd MONUMENT IN good CONDITION. ESTABLISHED TWO
NEW BEARING TREES.

BIRCH 4" N42E 20.75 Mkd "X BT"

BALAM 6" S50W 11.27 Mkd S6 BT

BTS ARE double blazed w/ BT TAGS. DIST TO 60d SPIKE.
NEW STEEL SIGN POST WEST 4.0 FT

W. Birch 7.5 in N14°W 56.07 ft from 1 1/2" nail
in side of tree scr: "S36 BT" partly visible w/ 60d spike
W. Pine stump N04°W 72.98 ft, badly rotted
w/ 60d spike

15

SEE T58N R27W BLZ pg 1

T58N R27W

R-17

NW Corner of Sec 26

Cont'd from BK 1 pg 4

May 3, 1985 Recovery by G. Kosenko

B. Ausk

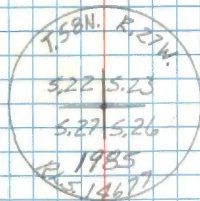
G. Robertson

We recovered 2 Itasca County
Bearing Trees from 1924. Pulled
record bearing and distances from
both to a common point. Searched
with a metal locator for an iron
but could not find one. We set
a 13 foot long by 5/8 inch diameter
aluminum rod with a 3/4 inch diameter
aluminum cap stamped as shown,
1.5 ft above swamp, on west edge
of ditch from which:

1924 Spruce stump, 555°E 63.00 ft to face
of stump, no scribing visible, small blaze on fallen
stub visible (3" diameter), w/60 d spike

1924 Spruce stump, $\text{N}82^{\circ}\text{W}$ 46.00 ft to face
of base blaze scr "BT" visible, w/60 d spike

Card filed 16

Decl: 5° East

New Bearing Trees:

B. Spruce, 5.6 in, $\text{N}89^{\circ}\text{E}$, 51.34 ft to 16d nail in
S face, double blaze scr: "323BT" w/60 d spike

B. Spruce, 6.1 in, 546°E , 66.70 ft to 16d nail
in SW face, double blaze, scr: "526BT" w/60 d spike

B. Spruce, 3.9 in, 543°W , 1.90 ft to 16d nail in
NW face, double blaze scr: "527BT" w/60 d spike

B. Spruce, 4.8 in, $\text{N}02^{\circ}\text{W}$, 9.65 ft to 16d nail in
East face, double blaze, scr: "322BT" w/60 d spike

Set 2 Carsonite Boundary Markers

3.0 ft West

3.0 ft South

both have LSM 130 signs attached

END OF
BOOK