

T 144 N R 28 W 5 P.M.

T 144 N  
R 28 W  
5<sup>th</sup> P.M.

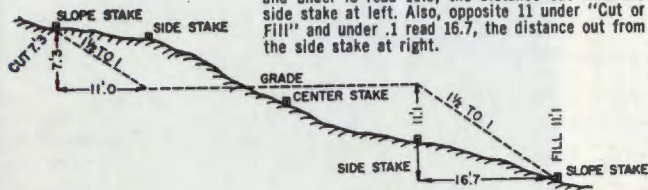
MINING TRANSIT BOOK  
20023

Book 2

### 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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## INDEX

T. 144N R. 28W 5<sup>th</sup> Principal Mer.

0	5	10	15	20	25	30	35	40	45	2
7	8	9	10	11	12	13	14	15	16	9
15	17	18	19	20	21	22	23	24	25	8
18	19	20	21	22	23	24	25	26	27	7
19	20	21	22	23	24	25	26	27	28	6
20	21	22	23	24	25	26	27	28	29	5
21	22	23	24	25	26	27	28	29	30	4
22	23	24	25	26	27	28	29	30	31	3
23	24	25	26	27	28	29	30	31	32	2
24	25	26	27	28	29	30	31	32	33	1
25	26	27	28	29	30	31	32	33	34	0

DRUM:  
BEAVER  
LAKE

DISTRICT RANGER  
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Deer River, MN 56636

A-25

NE Cor of Sec 1

See Page 3 of field Book #~~X~~3

T145N R27W

(2)

3

MEANDER CORNER ON SOUTH SHORE  
OF DRUM BEATER LAKE - BET. 25430  
ORIG. GOV'T. SURVEY 1873  
SET WOOD POST

TAM. 10 SOUTH 47 LKS. = 31.02'

TAM. 7 S31W 33 LKS. = 21.78'

874  
CCC NOTES BY C. B. STOTT - 3-5-28  
FD. TAM. LEANING - PROPERLY SCRIBED

G.L.O. RESURVEY 1937

SET POST IN SOFT BOG FOR TRUE POINT  
FOR M.C. FROM WHICH ORIG. BT'S ARE  
FALLEN TAM. 10 S4W 47 LKS.

TAM. 9 S31W 33 LKS. =

SET 1" x 3/16" IRON POST WITH BRASS CAP MKD

WC  
MC  
525 | 530  
R28W | R27W

T144N

TAM. 5 S57<sup>3</sup>4E 34 LKS. = 22.44'

CEDAR 10 S81W 12 LKS. = 7.92'

CORNER ON FIRM GROUND  
SE SHORE DRUM BEATER LAKE

3

GOV'T. CHAIN 31.20 CHS. = 2059.20'

G.L.O. HAS DISTANCE TO ORIG. COR. AT  
31.43 CHS. = 2074.38'  
AND THERE WITNESS COR. AT 31.13 CHS. = 2054.58'

4

MEANDER CORNER NORTH SHORE  
OF DRUMBEATER LAKE - BET 19 & 24  
ORIG. GOV'T. SURVEY 1873  
SET WOOD POST

TAM. 5 N25E 35 LKS. = 23.10'

TAM. 4 N42W 25 LKS. = 16.50'

~~874 C.C. NOTES - BY G.B. STOFF~~

~~3-5-28~~

~~FD. TAM. LEANING - PROPERLY MARKED~~

~~G.L.O. RESURVEY 1937~~

~~SET POST IN SOFT BOG AT TRUE POINT~~

~~FOR CORNER FROM WHICH ORIG. BT ARE~~

~~FALLEN TAM. 10 S4W 47 LKS.~~

~~TAM. 9 S31W 33 LKS. =~~

(4)

GOV'T. CHAIN 9.13 CHS. = 602.58'

G.L.O. RESURVEY 1937 - NORTH M.C.

SET 1" X 36" IRON POST WITH BRASS CAP MKD

THINK  
R28W | R27W  
524 | 519  
MC

FROM REMAINS OF ORIG. BT'S, 1937

TAM STUB N43W 25 LKS. SCRIBED

TAM. STP. ROTTED N25E 35 LKS.

MARKED NEW BT'S

TAM 6 N79E 37 LKS. = 24.42'

TAM. 4 N13 1/2 W 34 LKS. = 22.44'

G.L.O. BEARING OF LINE BET. 19 & 24 IS N0°22'W  
7.87 CHS. = 519.42'

5

QUARTER CORNER BET. SEC'S. 19424

ORIG. GOVT SURVEY 1873

SET WOOD POST

TAM. 2 S25E 20 LKS. = 13.20'

TAM. 4 N42W 25 LKS. = 16.50'

GLO RESURVEY 1937

PROPORTIONATE DISTANCE

SET 1" X 3/8" IRON POST WITH BRASS CAP MKD

$$\frac{1}{4}$$

$$S24 \mid S19$$

1937

TAM. 4 N49 $\frac{3}{4}$ E 101 LKS. = 66.66'TAM. 4 N82 $\frac{1}{2}$ W 77 LKS. = 50.82'

5

CORNER TO SECTIONS 13-18-19-24

GLO RESURVEY 1937

SET 2" X 3/8" IRON POST WITH BRASS CAP MKD.

T144N	
R28W R27W	
S13	S18
S24	S19

1937

TAM. 3 N12<sup>3</sup>/<sub>4</sub>E 82 LKS = 54.12'

TAM. 8 S34<sup>3</sup>/<sub>4</sub>E 88 LKS = 58.08'

TAM. 6 S57<sup>1</sup>/<sub>4</sub>W 123 LKS = 81.18'

NO OTHER AVAILABLE



7  
QUARTER CORNER BET SEC'S. 13+18

GLO RESURVEY 1937

PROPORTIONATE DISTANCE

SET 1" X 36" IRON POST WITH BRASS CAP MKD.

$\frac{1}{4}$

S13 | S18

1937

NO TREES AVAILABLE

SET 4" X 6' TAM. POST ALONG SIDE

CORNER IN OPEN MEADOW

8  
CORNER TO SECTIONS 7-12-13-18  
ORIG. GOV'T. SURVEY 1873  
SET WOOD POST

TAM. 3 S10W 14 LKS. = 9.24'

TAM. 3 S20E 17 LKS. = 11.22'

TAM. 4 N30W 12 LKS. = 7.92'

TAM. 4 N15E 20 LKS. = 13.20'

GLO RESURVEY 1937

PROPORTIONATE DISTANCE

SET 6" X 24" CONCRETE MONUMENT

WITH BRASS CAP MKD. T144N

R28W R27W

S12 | S7

S13 | S18

1937

POPLAR 9 S30°40'E 4.53 LKS. = 298.98'

NO OTHERS AVAILABLE

9  
QUARTER CORNER BET. SEC'S, 7+12  
ORIG. GOV'T. SURVEY 1873  
SET WOOD POST

TAM. 3 N20E 12 LKS. = 7.92'

TAM. 3 S7W 9 LKS. = 5.94'

GLO RESURVEY 1937

PROPORTIONATE DISTANCE

SET 1" X 3/8" IRON POST WITH BRASS CAP MKD.

1/4

S12|S7

1937

N. PINE 10 N14<sup>3</sup>/<sub>4</sub>E 217 LKS. = 143.22'

NO OTHER AVAILABLE

REMAINDER OF  
BOOK IS BLANK