

6th. Stand. Par. South through Range 6 East, as surveyed by  
 Samuel C. Flint, Deputy Surveyor,  
 Under Contract No. 473, dated June 5, 1883.

CHAINS

Trigonometrical calculations across Diamond Lake.

I sent flagman to East shore of lake and stationed flag at B directly East from meander post on west shore. Thence I measured from meander post, a base line directly South 600 lks. distant, making D C B a right angle and measuring AD = 27 lks. Then as per diagram below ABC and ACD are each right angle triangles and similar, consequently AD:AC :: AC:AB.  
 or 27:600 :: 600:13333 1/3 which is equal to 1 mile, 53 chs., 33-1/3 lks. distance across lake.

East, from M.P. on East shore of lake and South Boundary of sec. 32.

Var. 19\*30'E.

Set meander post on East shore of lake 48x5 ins., firmly in the ground for Stan. Meander post, marked T 27 S R 6 E on N, S 32 M P on E and S 32 M P on W faces, from which

A fir, 30 ins. diam., bears S.77\*E., 24 lks. dist.

Marked M P T 27 S R 6 E S 32 B T.

A fir, 10 ins. diam., bears N.24\*E., 26 lks. dist.

Marked M P T 27 S R 6 E S 32 B T.

East, from Meander post, ascend ridge.

26.67

Set post, 50x4 ins. firmly in the ground for stan. cor. to secs. 32 and 33, marked S C T 27 S R 6 E on N, S 33 on E and S 32 on W faces, with 4 notches on E and 2 on W faces, from which

A pine, 16 ins. diam., bears N.25\*E., 62 lks. dist.

Marked T 27 S R 6 E S 33 B T.

A pine, 10 ins. diam., bears N.50\*W., 38 lks. dist.

Marked T 27 S R 6 E S 32 B T.

A pine, 12 ins. diam., bears S.75\*W., 17 lks. dist.

Marked S B T.

The land around the lake is usually good and affords abundance of good grass.