

LAND CORNER RECORDATION CERTIFICATE

Authority: 1970 PA 74, MCL 54.205

Surveyor's Name: Stephan J. Szyszkoski Field Survey Date: May 3, 2017

For corner(s) in: Houghton County

Original Public Land Survey Corner		Corner Code
S _____	T <u>53N</u> R <u>35W</u>	<u>110 (GCDB 500240)</u>
S _____	T _____ R _____	_____
S _____	T _____ R _____	_____
S _____	T _____ R _____	_____
Property Corner		1/16 Corner Code
S _____	T _____ R _____	_____
S _____	T _____ R _____	_____
S _____	T _____ R _____	_____
S _____	T _____ R _____	_____

1	A	B	C	D	E	F	G	H	I	J	K	L	M	1
2		6		5		4		3		2		1		2
3														3
4		7		8		9		10		11		12		4
5														5
6		18		17		16		15		14		13		6
7														7
8		19		20		21		22		23		24		8
9														9
10		30		29		28		27 ●		26		25		10
11														11
12		31		32		33		34		35		36		12
13	A	B	C	D	E	F	G	H	I	J	K	L	M	13

Part A. Corner History

I10) Quarter corner common to Sections 26-27. 1846 - Established by S.W.Higgins, Deputy, midway and on the Section line between Section corners 40.00 chains north and south. The 1846 record: North btwn 26 & 27: 1) 3.81 Sugar 10"; 2) 25.05 Sugar 14" Trap Boulders; 3) 38.50 dry bed of stream E&W; 4) 40.00 Set 1/4 sec. post. Y.Birch 10" N50°E 33 links, Maple 6" S29°W 30 links; 5) 40.25 stream 12 ESE in ravine; 6) 51.17 Sugar 12"; 7) 61.00 stream 2 SE; 8) 65.47 Lynn 14"; 9) 80.00 Set post cor. Sec. 22,23,26,27.

Part B: Surveyor's Report on Perpetuation, Restoration, Reestablishment, or Monumentation of Corner

I10) The original post and accessories were not recovered. Found no evidence of subsequent perpetuation or reestablishment. This mile measures 88.122 chains between Section corners. A retracement of the 2 miles between I09 and I13 suggests that Quarter corners I10 and I12 were "stubbed out" north and south, respectively, from I11, with large errors occurring between I13 and I12 and between I10 and I09. The 1/2 miles immediately north and south of I11 are relatively regular. The balance of the Section lines suffer from extreme excess (47.60 ch. I10 to I09) and deficiency (37.07 ch. I13 to I12). I10 was reestablished at record distance from call 3), above, a flowing stream in May 2017; and call 5) a 12 link stream in ravine; both calls match the record in size and bearing. I believe there is an error in the original notes of this line: Call 5) is shown in the transcribed GLO record at 40.25 chains. A copy of Higgins' original field book was obtained and the call is indeed described as being at 40.25 chains. However, on the official plat it's location scales at about 50 chains, and on Higgin's original field plat it scales at about 51.5 chains. On the ground, this stream was found at about 50.5 chains north of I11. If the original call had been mis-written as 40.25 chains instead of what I believe should have been 50.25 chains, the record between calls 3) and 5) checks almost exactly with the location of the streams as recovered on the ground. I hold the call for 5) to have rightly been 50.25 chains and, using that distance, reestablish the position for the corner by proportion between calls 3) and 5), essentially at record distance from both. I position the easting of the corner so as to best fit the record courses of the two calls. The position for the corner is thus 2674.57' north of I11 and 22.3' west of a straight line between I09 and I11. As one runs from I12 to I11 to I10, there is a deflection of only about 28 minutes right, further evidence that I10 and I12 were stubbed out on a common bearing. The stream call at 7) is found 63 chains north of I11 and 22.6 chains north of I10. It's course is roughly S26°E so it is not a geometrically sound check.

Part C: Field Evidence of Perpetuation or Monumentation of Corner

I10) Set 1"IDx28" I.pipe with 2" alum. MDNR cap.
 Set measuring nail with MDNR tag in the side of:
 12" Maple N51°E 7.2' mrkd "1/4S NBT"
 3" Sugar S21°E 5.65' do
 8" Maple N78°W 6.0' do
 4" Sugar in clump N23°W 13.65' do
 Set sq'd cedar post adjacent.
 E= 7869018.327 N= 243352.118



Bearings are magnetic. Coordinates are MCS83 in meters, NAD83(2011) Epoch 2010.00 datum.
 Coord. Ref.=NGS PID DO8499: N= 221257.624 m. E= 7884435.169m.

Stephan J. Szyszkoski 05/30/2017