

PUBLICATION COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OBSOLETE HORIZONTAL CONTROL
APPROXIMATE NORTH AMERICAN
DATUM OF 1927

Houghton and Ontonagon Counties

Edition of 7/26/73
PR: JNF/PS

Approx. Magnetic Declination
(1970) 0°
Annual Change 0.4'W.

47-088-32
BEACON HILL QUADRANGLE
357 - MICHIGAN
N4700-W8845/15
DIAGRAM NL 16-1-2
HANCOCK

Azimuth to reference points are
Geographic Azimuths reckoned
clockwise from true South ex-
cept where otherwise noted.

Plane Coordinates are based on
Transverse Mercator Projection,
Michigan, West Zone.

LAKE SUPERIOR

LAKE SUPERIOR

HOUGHTON
356

88°45'

47°00'

WINONA

47-088-32
 BEACON HILL QUADRANGLE
 357 - MICHIGAN
 LONGITUDE
 ° ' "

STATION	DESCRIPTION	PLANE COORDINATES	LATITUDE	
<u>OBSOLETE CONTROL</u>		X Y	° ' "	° ' "
Due to methods employed and the improbability of recovery, this work is considered obsolete and does not warrant additional ties.				
1158.	T. 54 N., R. 36 W., about 600 ft W. of E. $\frac{1}{4}$ cor. sec. 14, at bath house on E. bank of Graveraet River, 25 ft N. and 30 ft E. of E. end of foot bridge over river, 2 ft S. and 3 ft W. of SW. corner of bath house, in large granite boulder; standard tablet stamped "TT 36 C 1937"	479,972 2,032,681	47 04 34.51	88 49 49.36
1076.	Beacon Hill, 1 mi S. of, in NW. $\frac{1}{4}$ sec. 31, T. 55 N., R. 35 W.; 53 ft S. and 19 ft E. of and 2.7 ft higher than T-rd. E., 11 ft N. and 5 ft W. of triangular-blazed 14-in. hemlock tree, in concrete post; standard tablet stamped "TT 35 C 1937" (not found 7-52 RLB)	487,410 2,049,270	47 07 18.31	88 48 02.07
1209.	Toivola, 2.75 mi N. and 4.0 mi W. of, 274 ft N. and 657 ft W. of cor. secs. 26, 27, 34 and 35, T. 54 N., R. 36 W., 25 ft N. and 50 ft E. of SW. point of triangle formed by rd. forks, in concrete post; standard tablet stamped "TT 37 C 1937"	474,598 2,020,180	47 02 31.04	88 51 06.76
1230.=1500.	Toivola, 0.75 mi N. and 5.0 mi W. of, near cor. secs. 3, 4, 9 and 10, T. 54 N., R. 36 W., 26 ft S. and 18 ft E. of T-rd. N., 2 ft N. and 8 ft W. of guy wire pole, in concrete post; standard tablet stamped "TT 38 C 1937"	470,188 2,009,029	47 00 40.92	88 52 10.22
1240.	Toivola, 0.75 mi N. and 1.75 mi W. of, 0.5 mi W. of rd. forks W. and NW., 0.35 mi E. of T-rd. N., about 800 ft W. of cor. secs. 1, 6, 7 and 12, T. 53 N., R. 35 and 36 W., 34 ft S. and 48 ft E. of and 3.1 ft higher than T-rd. S. and dim trail N., 18 ft E. of power pole, in concrete post; standard tablet stamped "TT 39 C 1937" (disturbed 10-50 REC)	485,154 2,008,921	47 00 40.01	88 48 34.24
2026.	Freda, about 1.5 mi SW. of along Lake Superior shore rd., in SE. $\frac{1}{4}$ sec. 35, T. 55 N., R. 36 W., 18 ft N. of rd. forks NE., SW., and W., 16 ft N. and 24 ft E. of T-drive N. to cabin on lake shore, 20 ft S. and 24 ft E. of NE. corner of cabin, in concrete post; standard tablet stamped "TT 103 T 1950"	476,131 2,046,491	47 06 50.79	88 50 45.12
2093.	Beacon Hill, 0.75 mi NE. of along county hwy. to Hedridge, 1.6 mi W. of Redridge, in SE. $\frac{1}{4}$ sec. 19, T. 55 N., R. 35 W., 135 ft NE. of RR. crossing, 33 ft E. of hwy., at SW. point of triangle formed by hwy. and RR. right-of-way, in concrete post; standard tablet stamped "25 RC 1950"	488,772 2,057,485	47 08 39.42	88 47 42.43
2223.	Toivola, 0.8 mi N. and 7.0 mi W. of, near cor. secs. 5, 6, 7 and 8, T. 53 N., R. 36 W., 375 ft E. of T-rd. N., 210 ft W. of NW. end of bridge over Little Elm River, 32 ft N. of rd., 1 ft S. of fence, in concrete post; standard tablet stamped "31 RC 1950" Azimuth to apex of silo 600 ft distant: 191°28'30" Azimuth to S. gable of house 0.25 mi distant: 268°44'30"	459,961 2,009,089	47 00 41.33	88 54 37.81
2237.	Toivola, 2.8 mi N. and 7.0 mi W. of, near cor. secs. 29, 30, 31 and 32, T. 54 N., R. 36 W., about 125 ft E. of T-rd. S., 21 ft N. of rd., 31 ft E. of SE. corner of wooden shed, 1 ft S. of fence, in concrete post; standard tablet stamped "32 RC 1950"	459,770 2,019,654	47 02 25.61	88 54 40.88