

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

THIRD-ORDER LEVELS

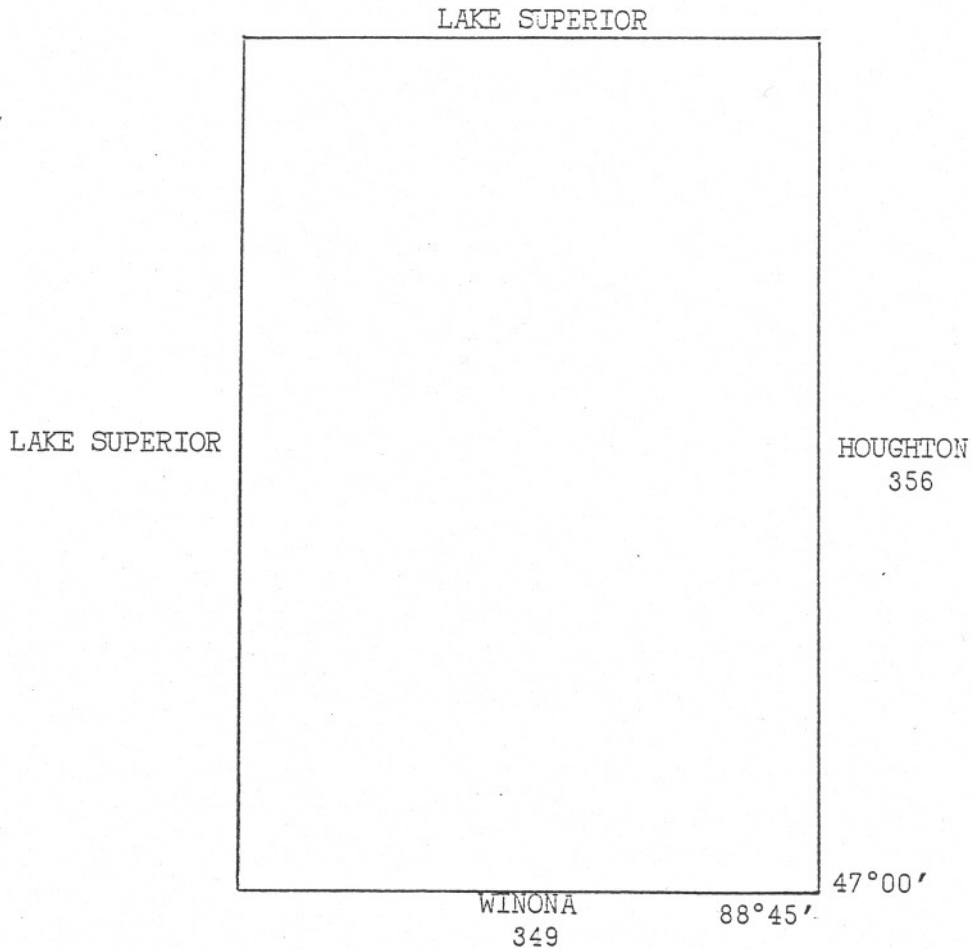
NATIONAL GEODETIC VERTICAL DATUM 1929

Houghton County

Edition of: 3-2-81

PR:DDB/cb/mf

47-088-33
BEACON HILL QUADRANGLE
357 - MICHIGAN
N4700-W8845/15
DIAGRAM NL 16-1
HANCOCK



NGS (USC&GS) VERTICAL CONTROL DATA

A Quadrangle No. 470883

ISOLATED LIST

FEET/METERS

Redridge, at R.R. trestle over reservoir spillway in SW. corner of W. concrete abutement; aluminum tablet stamped "PRIM TRAV STA NO 6 692"	691.747 210.844m
Toivola, 112 ft N. of R.R. station, 40 ft S. of section house, 19 ft E. of track, NGS PRIM TRAV STA NO 7 (NGS elevation)	1275.119 388.656m
Toivola, 0.8 mi N. and 1.8 mi W. from 0.5 mi W. of rd. forks, W. and NW., 0.4 mi E. of T-rd. N., about 800 ft W. of cor. secs. 1, 6, 7, and 12, T. 53 N., Rs. 35 and 36 W., 34 ft S., 48 ft E. and 3.1 ft higher than T-rd. S., and dim trail N., 6 ft S. and 18 ft E. from power line pole, in concrete post; standard tablet stamped "TT 39 C 1937"	1185.173 361.241m
Toivola, 0.8 mi N. and 5.0 mi W. from, 26 ft S. and 18 ft E. from T-rd. N., near cor. secs. 3, 4, 9, and 10, T. 53 N., R. 36 W., 2 ft N. and 8 ft W. from guy wire pole, in concrete post; standard tablet stamped "TT 38 C 1937"	979.873 298.665m
Toivola, 7.0 mi W. of, 0.5 mi W. from 33 ft N. and 42 ft E. from private drive N. near cor. secs. 7, 8, 17, and 18, T. 53 N., R. 36 W., 1 ft S. and 33 ft E. from fence corner, 33 ft N. and flush with center of rd., in concrete post; standard tablet stamped "TT 40 C 1937"	964.562 293.998m
UE 38 C-F, T. 53 N., R. 36 W., near cor. secs. 3, 4, 35, and 34, 18 ft N. and 0.8 ft lower than center of rd. at T-rd. S., on boulder; chiseled square	952.90 290.444m
UE 38 C-G, T. 53 N., R. 36 W., near quarter corner between secs. 3 and 34, at NW. corner of bridge over Elm River, on SW. corner of concrete curb, 13 ft N. and 0.7 ft higher than center of rd.; chiseled square	923.13 281.370m
Toivola, 2.8 mi N. and 4.0 mi W. from, approx. 500 ft N. and 300 ft W. from cor. secs. 26, 27, 34, and 35, T. 54 N. R. 36 W., 25 ft N. and 50 ft E. from SW. point of triangle formed by rd. forks, in concrete post; standard tablet stamped "TT 37 C 1937"	907.316 276.550m
Reference mark, about 115 ft SE. of tablet, 15 ft SW. of center of rd., on SW. end of concrete pipe culvert; chiseled square	905.56 276.015m
Toivola, about 4.5 mi N. and 4.0 mi W. from, 25 ft S. and 115 ft E. from rd. leading NE. to Beacon Hill, NW $\frac{1}{4}$ sec. 23, T. 54 N., R. 36 W., 25 ft S. of center of rd., in boulder; standard tablet stamped "22 RC 1950"	855.508 260.759m

ISOLATED LIST (Cont'd)FEET/METERS

Toivola, 5.0 mi. N. and about 2.0 mi W. from, about 5.3 mi S. and W. along rd. from Beacon Hill, to traveled rd. W., SE $\frac{1}{4}$ sec. 13, T. 54 N., R. 36 W., 25 ft N. and 88 ft W., and 1.3 ft lower than T-rd. W., 9 ft SE., of 12 in. hemlock tree; in concrete post; standard tablet stamped "23 RC 1950"	893.094 272.215m
Beacon Hill, about 3.1 mi S. of near cor. secs. 1, 6, 7, and 12, T. 54 N., Rs. 35 and 36 W., 200 ft N. and 19 ft W. from T-rd. E., 6 ft NE. of 18 in. maple tree, in concrete post; standard tablet stamped "24 RC 1950"	842.790 256.882m
Beacon Hill, 1 mi S. of, sec. 31 T. 55 N., R. 35 W., 53 ft S. of center of T-rd E., 11 ft N. and 5 ft W. from 14-in hemlock tree with blazed triangle, 19 ft E. of center of rd., in concrete post; standard tablet stamped "TT 35 C 1937"	988.807 301.388m
Beacon Hill, 0.8 mi NE. of along county hwy. to Redridge, 1.6 mi W. along hwy. from Redridge, SE $\frac{1}{4}$ sec. 19, T. 55 N., R. 35 W., 135 ft NE. of R.R. crossing, 33 ft E. of center of hwy. at SW. point of triangle formed by R.R. and hwy. right-of-ways, in concrete post; standard tablet stamped "25 RC 1950"	737.010 224.641m
Toivola, 0.8 mi N. and 7.0 mi W. from, about 375 ft E. of T-rd. N., near cor. secs. 5, 6, 7, and 8, T. 53 N., R. 36 W., about 32 ft N. and 210 ft W. from NW. end of bridge over Little Elm River, 32 ft N. of center of rd., in concrete post; standard tablet stamped "31 RC 1950"	875.920 266.980m
Reference mark, about 206 ft E. of tablet, at NW. end of bridge over Little Elm River, on W. end of N. concrete head wall; chiseled square	866.93 264.240m
Toivola, 2.8 mi N. and 7.0 mi W. from, 21 ft N. and 125 ft E. from T-rd. S., near cor. secs. 29, 30, 31, and 32, T. 54 N., R. 36 W., 31 ft E. of SE. corner of woodshed, in concrete post; standard tablet stamped "32 RC 1950"	729.811 222.446m
Toivola, about 2.6 mi N. and 5.5 mi W. from, NE $\frac{1}{4}$ sec. 33, T. 54 N., R. 36 W., 330 ft S. of rd. corner at private rd. NE., 26 ft E. and 1.6 ft higher than center of rd., in concrete post; standard tablet stamped "33 RC 1950"	923.936 281.616m