

NGDC 30 SEC Terrain Database  
U.S. Census 2010 PL Database

**EXHIBIT 19.0**  
**Hancock, MI - WGLI**  
**Licensed Service**  
**Contour Study**  
**Coverage of Hancock,**  
**MI**

**WGLI.C**

BPH20160527ABD

Latitude: 47-06-03 N

Longitude: 088-33-55 W

ERP: 53.00 kW

Channel: 254

Frequency: 98.7 MHz

AMSL Height: 438.0 m

Elevation: 305.0 m

Horiz. Pattern: Omni

Vert. Pattern: No

Prop Model: None

Contour: FCC F(50-50) 70.00 dBu (FCC HAAT)

Total Population: 41,648

Coverage Area: 3,925.1 sq. km

N. Lat. = 470603.0 W. Lng. = 883355.0  
HAAT and Distance to Contour,  
FCC, FM 2-10 Mi, 51 pts Method - NGDC 30 SEC

WGLI.C, Keweenaw Bay Indian Community, BPH20160527ABD

Azi. AV EL HAAT dBk 60-F5

000	287.3	150.7	20.00	58.56
045	279.5	158.5	20.00	59.55
090	203.7	234.3	20.00	66.94
135	192.9	245.1	20.00	67.83
180	262.8	175.2	20.00	61.43
225	344.2	93.8	20.00	49.66
270	287.0	151.0	20.00	58.59
315	219.3	218.7	20.00	65.55

Ave El= 259.60 M HAAT= 178.40 M AMSL= 438 M

FCC F(50-50) 70.00 dBu (FCC HAAT)

Hancock

Houghton  
WGLI.C

Scale 1:500,000

0 7 14 21 km

Baraga