

Baptism River near Beaver Bay

STATION ID: H 01-092-001

USGS ID: 04014500

NWS ID: BAPM5

LOCATION:

Lat:	47° 20' 15.9"	UTMX:	635974.8	Township:	Illgen City				
Long:	91° 12' 0.2"	UTMY:	5244268.2	PLS:	TWP	RNG	SEC	Q	QQ
					56	7W	15	NE	SE

County: Lake

USGS Quad: I25c Illgen City

Drainage area: 88,525 acres

Delorme MN Atlas & Gazetteer (pg): 77

Driving directions: Travel north on MN-61 to Silver Bay. From the intersection of MN-61 and CH-5 in Silver Bay, travel northeast on MN-61 4.3 miles to Tettegouche State Park entrance. Enter park and travel approximately 0.3 miles southwest to Baptism River where it crosses below Highway 61.

PLEASE STOP AT PARK OFFICE TO NOTIFY THEM THAT YOU ARE THERE.

History: New equipment installed in 8/18/2008 by MN DNR for this site. Site is old USGS gaging station 04014500.

DNR Fisheries Water Temperature site also: Fisheries Area: F215; Kittle No: S-038

Cooperation: Minnesota Department of Natural Resources, Pollution Control Agency

GAGE: Design Analysis H-350XL Pressure Transducer and H-355 Gas Purge System are housed in a 2' x 1.5' x 6' Hoffman look-in type shelter. Instruments are powered by a 1.2 ampere solar panel run to a deep cycle marine battery through a SunSaver power regulator. Solar panel and a rain gage are attached to side of shelter on a 10' mast. Data collected at 15-minute intervals and transmitted via Goes satellite at 1-hour intervals.

Goes ID:	D55076A0	Random Channel:	119
Primary Channel:	95	Azimuth:	158
Transmit Time (GMT):	5825	Elevation:	33

CHANNEL AND CONTROL: Channel is pure bedrock at logger location and control. Control is a solid rock riffle. PZF = 9.7 feet, assumed datum.

DISCHARGE MEASUREMENTS:

Low flow: Up to a stage of 12.1 feet wading between gravel bars near lake, take stairs on left (north) side.

High flow:

REFERENCE MARKS:

B.M. 1 (BASE): Bronze disk in large boulder approx. 10 feet riverward of gage house.

Elevation 22.87 ft assumed datum (USGS elevation = 12.87 ft)

B.M. 2: USGS Disc in D. S. end concrete retaining wall at gage

Elevation 17.78 ft assumed datum (USGS elevation = 7.74 ft)

STAFF: Staff gage installed 8/15/2008 by DNR. ~~Zero on the DNR staff gage is equal to 8.96 ft when tied in to B.M. 1 using the 22.87 ft reference elevation.~~ New staff gage installed & datum reset by +8.96 feet on 7/30/09. Staff gage now reads correct assumed datum elevation [USGS datum + 10.00 feet].

Primary Reference: Staff gage

Elevation: Direct staff gage reading