



**UNITED STATES DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
National Ocean Service  
Silver Spring, Maryland 20910

**TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE :** December 29, 2010

**HYDROGRAPHIC BRANCH:** Atlantic  
**HYDROGRAPHIC PROJECT:** S-X905-NRT4-2010  
**HYDROGRAPHIC SHEET:** H12132

**LOCALITY:** Thunder Bay, Lake Huron, MI  
**TIME PERIOD:** June 15 - November 4, 2010

**WATER LEVEL STATION:** 907-5065 Alpena, MI  
Lat. 45° 03.8'N Long. 83° 25.7' W

**PLANE OF REFERENCE (IGLD 85):** 176.0 meters

**REMARKS: RECOMMENDED ZONING**  
Use zone(s) identified as: TB001

**Refer to attachments for zoning information.**

**Note 1:** Provided time series data are tabulated in metric units (meters), relative to International Great Lakes Datum of 1985 (IGLD 85) and on Greenwich Mean Time.

**Diana Perfect**

Digitally signed by Diana Perfect  
DN: cn=Diana Perfect, o=Deputy Chief,  
Oceanographic Division, ou=NOAA/NOS/CO-  
OPS, email=diana.perfect@noaa.gov, c=US  
Date: 2011.01.03 11:20:37 -05'00'

---

CHIEF, OCEANOGRAPHIC DIVISION

