



**TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE :** December 15, 2011

**HYDROGRAPHIC BRANCH:** Pacific  
**HYDROGRAPHIC PROJECT:** OPR-S327-FA-2011  
**HYDROGRAPHIC SHEET:** H12349

**LOCALITY:** Approaches to Kotzebue Harbor, Kotzebue Harbor, AK  
**TIME PERIOD:** July 15 - August 27, 2011

**TIDE STATION USED:** 949-1094 Red Dog Dock, AK  
Lat. 67° 34.6' N Long. 164° 03.9' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 0.240 meters

**TIDE STATION USED:** 949-0571 Cape Krusenstern, AK  
Lat. 67° 03.3' N Long. 163° 19.3' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 0.184 meters

**Tide STATION USED:** 949-0424 Kotzebue, AK  
Lat. 66° 54.1' N Long. 162° 34.9' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 0.174 meters

**Tide STATION USED:** 946-9751 Deering, AK  
Lat. 66° 05.8' N LONG. 162° 44.4' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 0.497 meters

**REMARKS: RECOMMENDED GRID**

Please use the TCARI grid "S327FA2011-TCARI-Revised.tc" as the final grid for project OPR-S327-FA-2011, H12349, during the time period between July 15 and August 27, 2011.

**Refer to attachments for grid information.**

**Note 1:** Provided time series data are tabulated in metric units (meters), relative to MLLW and on Greenwich Mean Time on the 1983-2001 National Tidal Datum Epoch (NTDE).

**Gerald Hovis**

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CHIEF, PRODUCTS AND SERVICES BRANCH

