



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: January 31, 2005

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-P182-RA-2003
HYDROGRAPHIC SHEET: H11229

LOCALITY: Upper Kuiu Bay & Portage Bay, AK
TIME PERIOD: July 11 - August 10, 2003

TIDE STATION USED: 945-8964 Hump Island, Alaska
Lat. 56° 06.8'N Lon. 158° 35.9'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.174 meters

REMARKS: RECOMMENDED ZONING
Use zone(s) identified as: SWA169B.

Refer to attachments for zoning 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).

Thomas V. Gero 2/1/05

CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION



Final tide zone node point locations for OPR-P182-RA-2003, Sheet H11229.

Format: Tide Station (in recommended order of use)
 Average Time Correction (in minutes)
 Range Correction
 Longitude in decimal degrees (negative value denotes
 Longitude West),
 Latitude in decimal degrees

	Tide Station Order	AVG Time Correction	Range Correction
Zone SWA169B	945-8964	0	1.00
-158.63846 56.15224			
-158.691185 56.214342			
-158.447246 56.247319			
-158.430272 56.19459			
-158.477124 56.130876			
-158.523965 56.114338			
-158.55134 56.104644			
-158.594428 56.10955			
-158.637321 56.114508			
-158.63846 56.15224			