



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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : January 13, 2006

HYDROGRAPHIC BRANCH: Pacific  
HYDROGRAPHIC PROJECT: OPR-P132-RA-2005  
HYDROGRAPHIC SHEET: H11493

LOCALITY: Columbia Bay-North of Heather Island, Prince William Sound, AK  
TIME PERIOD: September 1- October 3, 2005

TIDE STATION USED: Columbia Glacier, AK 945-4460  
Lat. 61 01.4' N Long. 147 05.1' W  
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.384 meters

TIDE STATION USED: Valdez, AK 945-4240  
Lat. 61 07.5' N Long. 146 21.8' W  
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.417 meters

REMARKS: RECOMMENDED ZONING  
Use zone(s) identified as: PWS72 & PWS72A

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).

Note 2: Use tide data from the appropriate station with applicable zoning correctors for each zone according to the order in which they are listed in the Tidezone corrector file (\*.ZDF). For example, tide station one (TS1) would be the first choice for an applicable zone followed by TS2, etc. when data are not available.

*Fm [Signature]*

CHIEF, PRODUCTS AND SERVICES DIVISION



**Final tide zone node point locations for OPR-P132-RA-2005, H11493**

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

Zone	Tide Station Order	AVG Time Correction	Range Correction
PWS72	945-4460	0	x0.99
	945-4240	0	x0.98
-147.373266 60.876709			
-147.320454 60.878014			
-147.248924 60.873126			
-147.226276 60.867232			
-147.1433 60.855198			
-147.025646 60.885186			
-146.948102 60.925559			
-146.928717 60.942475			
-146.95637 61.014771			
-146.985435 61.024049			
-147.019075 61.020785			
-147.064676 61.021148			
-147.08486 61.022599			
-147.104297 61.027314			
-147.29477 61.02981			
-147.373266 60.876709			
PWS72A	945-4460	0	x1.01
	945-4240	0	x0.99
-147.29477 61.02981			
-147.272639 61.10537			
-147.176302 61.151329			
-146.99144 61.148811			
-146.944574 61.098437			
-146.944575 61.044195			
-146.95637 61.014771			
-146.985435 61.024049			
-147.019075 61.020785			
-147.064676 61.021148			
-147.08486 61.022599			
-147.104297 61.027314			
-147.29477 61.02981			