



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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: October 24, 2003

HYDROGRAPHIC BRANCH: Pacific  
HYDROGRAPHIC PROJECT: OPR-P139-RA-2002  
HYDROGRAPHIC SHEET: H11172 (Revised)

LOCALITY: Southern Approach to Prince of Whales and Elrington  
Passage, Prince William Sound, AK  
TIME PERIOD: July 12-September 12, 2002

TIDE STATION USED: 945-4050 Cordova, AK  
Lat.  $60^{\circ} 33.4' N$  Lon.  $145^{\circ} 45.3' W$   
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.559 meters

TIDE STATION USED: 945-4713 LaTouche, AK  
Lat.  $60^{\circ} 03.3' N$  Lon.  $147^{\circ} 54.4' W$   
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.255 meters

TIDE STATION USED: 945-4751 Guguak, AK  
Lat.  $60^{\circ} 06.0' N$  Lon.  $148^{\circ} 02.3' W$   
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.242 meters

TIDE STATION USED: 945-4814 Point Elrington, AK  
Lat.  $59^{\circ} 56.4' N$  Lon.  $148^{\circ} 13.8' W$   
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.005 meters

REMARKS: RECOMMENDED ZONING  
Use zone(s) identified as: PWS1, PWS8 & PWS9.

Refer to attachments for zoning information.



TIDE NOTE FOR HYDROGRAPHIC SURVEY Sheet H11172 (Revised) cont.

Note 1: Provided time series data are tabulated in metric units (meters), relative to MLLW and on Greenwich Mean Time on the new 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 files. For example, tide station one (TS1) would be the first choice for an applicable zone followed by TS2, etc. when data are not available.

  
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CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION

**Final tide zone node point locations for OPR-P139-RA-2002, H11172 (Revised)**

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 PWS1	945-4814	0	1.00
	945-4713	0	0.90
	945-4050	-6	0.82
-148.463554 60.035154			
-148.402947 60.043849			
-148.271815 60.024853			
-148.27125 60.013442			
-148.211626 59.97828			
-148.183105 59.976066			
-148.179621 59.968014			
-148.162288 59.945242			
-148.202462 59.937466			
-148.23717 59.938853			
-148.249602 59.93478			
-148.445818 59.954138			
-148.463554 60.035154			
Zone PWS8	945-4814	0	1.01
	945-4713	0	0.92
	945-4050	-6	0.84
-148.101438 59.961313			
-148.094537 59.979726			
-148.1278 59.99291			
-148.112097 60.017595			
-148.151278 60.013188			
-148.193595 60.024143			
-148.271815 60.024853			
-148.27125 60.013442			
-148.211626 59.97828			
-148.183105 59.976066			
-148.179621 59.968014			
-148.162288 59.945242			

-148.101438 59.961313

Zone PWS9

945-4751

0

0.95

945-4050

-6

0.86

-148.193595 60.024143

-148.157324 60.05723

-148.106931 60.043031

-148.112097 60.017595

-148.151278 60.013188

-148.193595 60.024143