



**U.S. DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
NATIONAL OCEAN SERVICE

**TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE:** March 25, 1999

**HYDROGRAPHIC BRANCH:** Pacific

**HYDROGRAPHIC PROJECT:** OPR-P139-RA-98

**HYDROGRAPHIC SHEET:** H-10846

**LOCALITY:** Prince William Sound, AK  
Smith Island

**TIME PERIOD:** Sep 02 - Oct 26, 1998

**TIDE STATION USED:** 945-4050 Cordova, AK  
Lat.  $60^{\circ} 33.5'N$  Lon.  $145^{\circ} 45.2'W$   
**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 3.529 meters

**TIDE STATION USED:** 945-4240 Valdez, AK  
Lat.  $61^{\circ} 07.5'N$  Lon.  $146^{\circ} 21.7'W$   
**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 3.389 meters

**TIDE STATION USED:** 945-4564 Seal Island, AK  
Lat.  $60^{\circ} 25.8'N$  Lon.  $147^{\circ} 25.3'W$   
**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 3.310 meters

**TIDE STATION USED:** 945-4652 South Arm, Knight Island, AK  
Lat.  $60^{\circ} 21.9'N$  Lon.  $147^{\circ} 41.7'W$   
**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 3.320 meters

**REMARKS:** RECOMMENDED ZONING  
Use zone(s) identified as: PWS8, PWS37 & PWS37A.

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.



**Note 2:** Use tide data from the appropriate station for each zone according to the order in which they are listed in the Tidezone corrector files (note: this may not be the same order as presented on the Tide Note). For example, tide station one (TS1) would be the first choice for an applicable zone followed by TS2, etc. when data are not available. All zones within a survey sheet may not have the same order of applicable tide stations.

*Thomas N. New* 3/25/99  
-----  
CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION

Final tide zone node point locations for OPR P139-RA-98,  
Sheet H-10846.

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

	Tide Station Order	AVG Time Correction	Range Correction
<b>Zone PWS8</b>			
-147.166932 60.206678	9454564	-6	1.02
-147.164575 60.330933	9454240	-6	0.99
-147.093352 60.369491	9454050	-6	0.95
-146.701487 60.401			
-146.630054 60.423082			
-146.602861 60.476793			
-146.64982 60.699661			
-147.360641 60.632173			
-147.344431 60.522683			
-147.391163 60.437636			
-147.373205 60.367377			
-147.348 60.293559			
-147.37047 60.281064			
-147.239884 60.224039			
-147.166932 60.206678			
<b>Zone PWS37</b>			
-147.348 60.293559	9454564	0	1.00
-147.373205 60.367377	9454652	0	1.00
-147.391163 60.437636	9454240	0	0.97
-147.344431 60.522683	9454050	0	0.93
-147.381578 60.52174			
-147.401054 60.514056			
-147.428357 60.514658			
-147.567302 60.56881			
-147.578232 60.539507			
-147.626594 60.514644			
-147.618284 60.490075			
-147.634898 60.474627			

-147.667831 60.449911  
-147.785618 60.363112  
-147.348 60.293559

Zone PWS37A

-147.4175 60.67054	9454564	0	1.02
-147.435879 60.634506	9454240	0	0.99
-147.564875 60.574827	9454050	0	0.94
-147.567302 60.56881			
-147.428357 60.514658			
-147.401054 60.514056			
-147.381578 60.52174			
-147.344431 60.522683			
-147.360641 60.632173			
-147.4175 60.67054			