



**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-10837

**LOCALITY:** Prince William Sound, AK  
Eleanor Island to Knight Island

**TIME PERIOD:** Aug 21 - Oct 14, 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

**TIDE STATION USED:** 945-4691 Herring Point, Knight Island, AK  
Lat.  $60^{\circ} 28.4'N$  Lon.  $147^{\circ} 47.6'W$   
**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 3.326 meters

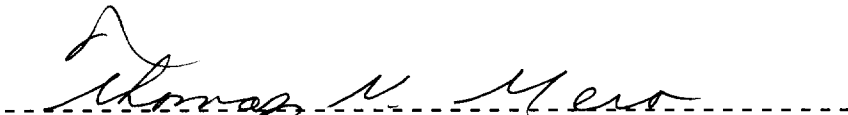
**REMARKS:** RECOMMENDED ZONING  
Use zone(s) identified as: PWS37, PWS38 & PWS38A.

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.

  
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CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION

Final tide zone node point locations for OPR P139-RA-98,  
Sheet H-10837.

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 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			
<b>Zone PWS38</b>			
-147.785618 60.363112	9454691	0	1.00
-147.667831 60.449911	9454240	0	0.98
-147.696614 60.466536	9454050	0	0.94
-147.695431 60.508907			
-147.656563 60.531857			
-147.626594 60.514644			
-147.578232 60.539507			
-147.567302 60.56881			
-148.101183 60.592465			
-148.114598 60.574838			
-148.128786 60.481602			
-148.012385 60.476742			

*1998-2456 decs*

*1200  
1207  
8-20-98  
10-15-98*

-148.011446 60.457767  
-148.054039 60.428791  
-148.008357 60.372318  
-147.785618 60.363112

Zone PWS38A

-147.618284 60.490075	9454564	0	1.02
-147.634898 60.474627	9454691	0	1.01
-147.667831 60.449911	9454240	0	0.99
-147.696614 60.466536	9454050	0	0.95
-147.695431 60.508907			
-147.656563 60.531857			
-147.626594 60.514644			
-147.618284 60.490075			