



**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-10838

**LOCALITY:** Prince William Sound, AK  
Disk Island to Point Eleanor

**TIME PERIOD:** Aug 23 - Sep 06, 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:** 945-4691 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

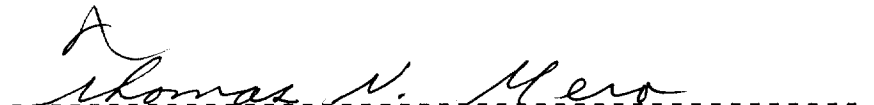
Use zone(s) identified as: PWS37A, PWS38, PWS38A & PWS52.

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-10838.

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
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			
Zone PWS38			
-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			
-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			

Zone PWS52

-147.93198 60.657934	9454691	0	1.00
-147.957558 60.686216	9454240	0	0.98
-147.848006 60.693887	9454050	0	0.94
-147.48158 60.72734			
-147.456957 60.723688			
-147.422995 60.72893			
-147.385582 60.690765			
-147.4175 60.67054			
-147.435879 60.634506			
-147.564875 60.574827			
-147.567302 60.56881			
-148.101183 60.592465			
-147.93198 60.657934			