



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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: February 13, 2001

HYDROGRAPHIC BRANCH: Pacific  
HYDROGRAPHIC PROJECT: OPR-P139-RA-2000  
HYDROGRAPHIC SHEET: H-11002

LOCALITY: Vicinity of the Needle, Prince William Sound, AK  
TIME PERIOD: September 13 - October 19, 2000

TIDE STATION USED: 945-4561 Perch Point, AK  
Lat.  $60^{\circ} 7.6'N$  Lon.  $147^{\circ} 23.7'W$   
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.254 meters

REMARKS: RECOMMENDED ZONING  
Use zone(s) identified as: PWS23 & PWS39.  
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.

*Thomas V. Mero* 2/13/01  
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CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION



Final tide zone node point locations for OPR-P139-RA-2000,  
Sheet H-11002.

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 PWS23			
-147.430708 60.080034	945-4561	0	0.98
-147.614981 59.99982			
-147.833691 60.063871			
-147.909718 60.046036			
-147.976527 60.06845			
-147.996234 60.084179			
-147.915026 60.129755			
-147.767908 60.155922			
-147.602299 60.130868			
-147.430708 60.080034			
Zone PWS39			
-147.703642 60.244653	945-4561	0	1.00
-147.738627 60.227865			
-147.804771 60.1946			
-147.781996 60.187238			
-147.767908 60.155922			
-147.602299 60.130868			
-147.430708 60.080034			
-147.312699 60.178864			
-147.459741 60.240591			
-147.450789 60.248219			
-147.669435 60.31933			
-147.73888 60.284518			
-147.726093 60.266771			
-147.703642 60.244653			