



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL OCEAN SERVICE  
Office of Ocean and Earth Sciences  
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: January 16, 1997

HYDROGRAPHIC BRANCH: Pacific  
HYDROGRAPHIC PROJECT: OPR-P139-RA  
HYDROGRAPHIC SHEET: H-10717

LOCALITY: Whale Bay, Southwest Prince William Sound, Alaska

TIME PERIOD: September 18 - October 7, 1996

TIDE STATION USED: 945-4777 Chenega Island, Southwest End, AK  
Lat. 60° 17.2'N Lon. 148° 07.2'W  
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.300 meters

TIDE STATION USED: 945-4671 Point Helen, Knight Island, AK  
Lat. 60° 09.2'N Lon. 147° 46.0'W  
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.240 meters

TIDE STATION USED: 945-4691 Herring Point, Knight Island Passage,  
AK  
Lat. 60° 28.5'N Lon. 147° 47.5'W  
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.362 meters

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

REMARKS: RECOMMENDED ZONING

Use zones identified as: PWS26, PWS27, PWS28, PWS29, PWS31 & PWS32

Refer to attachment(s) for zoning information.

Note: Provided time series data are tabulated in metric units  
(meters) and on Greenwich Mean Time.

  
CHIEF, TIDAL ANALYSIS BRANCH



Final tide zone nodal point locations for OPR P139-RA-96.  
 Sheet H-10717

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 PWS26				
-148.461495	60.035973	9454671	-12	0.93
-148.359804	60.187762	9454777	-12	0.91
-148.288442	60.196303	9454240	-12	0.88
-148.237061	60.127977			
-148.219934	60.106626			
-148.16348	60.07794			
-148.16348	60.045206			
-148.175266	60.029258			
-148.245981	60.022543			
-148.309962	60.030937			
-148.461495	60.035973			
Zone PWS27				
-148.237061	60.127977	9454671	-6	0.95
-148.19547	60.140053	9454777	-6	0.93
-148.180317	60.121587	9454240	-6	0.90
-148.219934	60.106626			
-148.237061	60.127977			
Zone PWS28				
-148.19547	60.140053	9454671	Direct	0.97
-148.151694	60.160197	9454777	Direct	0.95
-148.128122	60.149286	9454240	Direct	0.92
-148.180317	60.121587			
-148.19547	60.140053			
Zone PWS29				
-148.151694	60.160197	9454671	Direct	0.99
-148.143275	60.182021	9454777	Direct	0.97
-148.075927	60.166073	9454240	Direct	0.94
-148.082662	60.138374			
-148.13654	60.100603			
-148.128122	60.149286			
-148.151694	60.160197			
Zone PWS31				
-148.213991	60.255044	9454777	Direct	0.98
-148.274604	60.242454	9454671	Direct	Direct
-148.320064	60.206362	9454240	Direct	0.95
-148.288442	60.196303			
-148.237061	60.127977			
-148.19547	60.140053			
-148.151694	60.160197			

-148.143275 60.182021  
-148.121387 60.20888  
-148.138224 60.236579  
-148.213991 60.255044

Zone PWS32

-148.192103	60.266795	9454777	Direct	0.97
-148.347003	60.308763	9454671	Direct	0.99
-148.474965	60.240775	9454240	Direct	0.94
-148.453077	60.168591			
-148.359804	60.187762			
-148.288442	60.196303			
-148.320064	60.206362			
-148.274604	60.242454			
-148.213991	60.255044			
-148.192103	60.266795			