



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-10719

LOCALITY: Squire Island and Vicinity, Southwest Prince William
Sound, Alaska

TIME PERIOD: September 21 - October 10, 1996

TIDE STATION USED: 945-4777 Chenega Island, Southwest End, AK
Lat. $60^{\circ} 17.2' N$ Lon. $148^{\circ} 07.2' W$
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. $60^{\circ} 09.2' N$ Lon. $147^{\circ} 46.0' W$
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. $60^{\circ} 28.5' N$ Lon. $147^{\circ} 47.5' W$
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. $61^{\circ} 07.5' N$ 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

REMARKS: RECOMMENDED ZONING

Use zones identified as: PWS20, PWS34 & PWS35
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-10719

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 PWS20				
-148.121387	60.20888	9454777	Direct	Direct
-148.138224	60.236579	9454671	Direct	1.03
-148.213991	60.255044	9454240	Direct	0.97
-148.192103	60.266795			
-148.135913	60.305498			
-147.921026	60.250008			
-147.781279	60.245812			
-147.752622	60.226545			
-147.77381	60.206587			
-147.766071	60.169257			
-147.897377	60.108049			
-147.983011	60.100932			
-147.971537	60.150964			
-148.067509	60.184539			
-148.121387	60.20888			
Zone PWS34				
-148.237563	60.386823	9454777	Direct	Direct
-148.185368	60.423755	9454691	Direct	0.98
-148.054039	60.428791	9454240	Direct	0.97
-148.006895	60.382627			
-148.00016	60.375912			
-148.023732	60.350731			
-148.094448	60.330586			
-148.237563	60.386823			
Zone PWS35				
-148.094448	60.330586	9454777	Direct	1.01
-148.023732	60.350731	9454691	Direct	0.99
-148.00016	60.375912	9454240	Direct	0.98
-147.78401	60.368002			
-147.804609	60.330991			
-147.858271	60.320562			
-147.862937	60.284639			
-147.781279	60.245812			
-147.921026	60.250008			
-148.135913	60.305498			
-148.094448	60.330586			