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-10726

LOCALITY: Northern Approach to Dangerous Passage, Southwest Prince William Sound, Alaska

TIME PERIOD: October 8 - 23, 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: PWS34, PWS35, PWS38 & PWS38A

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-10726

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 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			
Zone PWS38			
-147.78401 60.368002	9454691	Direct	Direct
-147.766126 60.390181	9454777	Direct	1.02
-147.638164 60.475795	9454240	Direct	0.99
-147.643214 60.497618			
-147.595271 60.527063			
-147.560712 60.570642			
-148.101183 60.592465			
-148.114598 60.574838			
-148.128786 60.481602			
-148.012385 60.476742			
-148.011446 60.457767			
-148.054039 60.428791			
-148.006895 60.382627			
-148.00016 60.375912			
-147.78401 60.368002			
Zone PWS38A			
-148.054039 60.428791	9454757	Direct	Direct
-148.011446 60.457767	9454691	Direct	0.95

-148.012385	60.476742	9454777	Direct	0.97
-148.128786	60.481602			
-148.133173	60.449775			
-148.054039	60.428791			