



U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: February 5, 1998

HYDROGRAPHIC BRANCH: Pacific

HYDROGRAPHIC PROJECT: OPR-P125-RA-97
HYDROGRAPHIC SHEET: H-10775

LOCALITY: Northwest Prince William Sound, AK

TIME PERIOD: Sep 11 - Oct 19, 1997

TIDE STATION USED: 945-4691 Herring Point, Knight Island Passage
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: 3.326 meters

TIDE STATION USED: 945-4729 Pt. Perry, Perry Island
Lat. 60° 45.1'N Lon. 147° 57.8'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.386 meters

TIDE STATION USED: 945-4794 Applegate Island
Lat. 60° 37.4'N Lon. 148° 09.9'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.385 meters

TIDE STATION USED: 945-4818 Blue Fjord
Lat. 60° 29.5'N Lon. 148° 14.7'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.407 meters

TIDE STATION USED: 945-4951 Kings Bay Inside
Lat. 60° 27.4'N Lon. 148° 39.9'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.418 meters

REMARKS: RECOMMENDED ZONING

Use zone(s) identified as: PWS38, PWS39, PWS40, PWS41, PWS41A,
PWS 42, PWS43 & 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. 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.

CHIEF, OPERATIONAL ANALYSIS BRANCH



Final tide zone node point locations for OPR P125-RA-97,
Sheet H-10775.

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 PWS38				
-147.78401	60.368002	945-4691	0	1.00
-147.766126	60.390181	945-4794	0	0.98
-147.638164	60.475795	945-4729	0	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 PWS39				
-148.114598	60.574838	945-4818	0	1.00
-148.135079	60.580714	945-4794	0	1.01
-148.237563	60.621003	945-4951	0	1.00
-148.288683	60.597501			
-148.274604	60.483349			
-148.296492	60.428791			
-148.133173	60.449775			
-148.114598	60.574838			
Zone PWS40				
-148.288683	60.597501	945-4818	0	1.00
-148.380845	60.567284	945-4951	0	1.00
-148.466181	60.516083	945-4794	0	1.01
-148.296492	60.428791			
-148.274604	60.483349			
-148.288683	60.597501			
Zone PWS41				
-148.380845	60.567284	945-4951	0	1.00
-148.394499	60.600858	945-4818	0	1.00
-148.534449	60.567284	945-4794	0	1.01

-148.466181 60.516083
-148.380845 60.567284

Zone PWS41A

-148.534449 60.567284	945-4951	0	1.00
-148.789986 60.446154	945-4818	0	1.00
-148.68369 60.398869	945-4794	0	1.01
-148.466181 60.516083			
-148.534449 60.567284			

Zone PWS42

-148.101183 60.592465	945-4794	0	0.99
-147.93198 60.657934	945-4729	0	1.00
-147.957558 60.686216	945-4691	0	1.01
-148.000248 60.724243			
-148.149283 60.748856			
-148.18628 60.710814			
-148.164093 60.631914			
-148.158371 60.62628			
-148.140411 60.624813			
-148.135079 60.580714			
-148.114598 60.574838			
-148.101183 60.592465			

Zone PWS43

-148.135079 60.580714	945-4794	0	1.00
-148.140411 60.624813	945-4818	0	0.99
-148.158371 60.62628	945-4729	0	1.00
-148.164093 60.631914			
-148.18628 60.710814			
-148.149283 60.748856			
-148.234314 60.759316			
-148.241973 60.755184			
-148.259058 60.743334			
-148.264789 60.700742			
-148.247722 60.68983			
-148.237563 60.621003			
-148.135079 60.580714			

Zone PWS52

-147.93198 60.657934	945-4794	0	0.98
-147.957558 60.686216	945-4729	0	0.99
-147.848006 60.693887	945-4691	0	1.00
-147.48158 60.72734			
-147.456957 60.723688			
-147.422995 60.72893			
-147.385582 60.690765			
-147.416199 60.672546			
-147.441099 60.63539			
-147.474131 60.622033			
-147.560712 60.570642			
-148.101183 60.592465			
-147.93198 60.657934			