



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

**TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE:** February 13, 1998

**HYDROGRAPHIC BRANCH:** Pacific

**HYDROGRAPHIC PROJECT:** OPR-N368-PHP

**HYDROGRAPHIC SHEET:** H-10755

**LOCALITY:** Northern Puget Sound

**TIME PERIOD:** June 5 - Oct 6, 1997

**TIDE STATION USED:** 944-9880 Friday Harbor, WA  
Lat. 48° 32.8'N Lon. 123° 00.6'W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters

**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 2.150 meters

**TIDE STATION USED:** 944-9982 Richardson Point, Lopez Island, WA  
Lat. 48° 26.8'N Lon. 122° 54.0'W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters

**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 2.012 meters

**REMARKS: RECOMMENDED ZONING**

**Use zone(s) identified as:** NPS11, NPS12, NPS13 & NPS20

**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.

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*D. G. Gill*  
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**CHIEF, OPERATIONAL ANALYSIS BRANCH**



Final tide zone node point locations for OPR N368-PHP-97,  
Sheet H-10755.

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 NPS11				
-122.95547	48.279048	944-9982	-6	0.97
-123.228354	48.354467	944-9880	-66	0.91
-123.240326	48.420619			
-122.885328	48.3214			
-122.95547	48.279048			
Zone NPS12				
-123.240326	48.420619	944-9982	-6	0.97
-123.239336	48.42482	944-9880	-66	0.91
-123.231735	48.426997			
-122.850128	48.382088			
-122.885328	48.3214			
-123.240326	48.420619			
Zone NPS13				
-123.231735	48.426997	944-9982	0	1.00
-123.025485	48.46259	944-9880	-66	0.93
-122.972249	48.458193			
-122.938978	48.466432			
-122.911313	48.487364			
-122.859374	48.442349			
-122.830255	48.445753			
-122.822393	48.426843			
-122.828524	48.425006			
-122.850128	48.382088			
-123.231735	48.426997			
Zone NPS20				
-123.025177	48.462575	944-9982	+18	1.02
-123.095732	48.513065	944-9880	-48	0.95
-123.315463	48.476315			
-123.231735	48.426997			
-123.025177	48.462575			