



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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: April 28, 2005

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-N372-RA-2004
HYDROGRAPHIC SHEET: H11317

LOCALITY: Protection Island
Approaches to Puget Sound, WA

TIME PERIOD: November 2 - 11, 2004

TIDE STATION USED: 944-4900 Port Townsend, WA
Lat. 48° 06.7'N Lon. 122° 45.5'W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.389 meters

REMARKS: RECOMMENDED ZONING
Use zone(s) identified as: PS89, PS91 & PS100

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 on the new 1983-2001 National Tidal Datum Epoch (NTDE).

Thomas V. Moore 6/6/05
CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION



Final tide zone node point locations for OPR-N372-RA-2004, H11317

Format: Tide Station (in recommended order of use)
 Average Time Correction (in minutes)
 Range Correction
 Longitude in decimal degrees (negative value denotes Longitude West),
 Latitude in decimal degrees

	Tide Station Order	AVG Time Correction	Range Correction
Zone PS89	944-4900	-36	0.83
-122.899968 48.261473			
-122.906045 48.237829			
-122.92476 48.189261			
-122.997194 48.163835			
-123.101906 48.134294			
-123.10655 48.154426			
-123.107408 48.168372			
-123.10541 48.182505			
-123.108734 48.182947			
-123.015893 48.209859			
-122.899968 48.261473			
Zone PS91	944-4900	-36	0.86
-123.058428 48.100526			
-123.101906 48.134294			
-122.997194 48.163835			
-122.92476 48.189261			
-122.906998 48.157486			
-122.900792 48.149681			
-122.937827 48.135313			
-122.996581 48.115851			
-123.058428 48.100526			
Zone PS100	944-4900	-24	0.86
-122.883403 48.156423			
-122.900792 48.149681			
-122.906998 48.157486			
-122.92476 48.189261			
-122.905945 48.195859			
-122.840126 48.228362			
-122.791509 48.266338			
-122.75432 48.302865			
-122.760073 48.243261			
-122.763423 48.223421			
-122.797437 48.202752			

-122.833308 48.180006

-122.883403 48.156423