



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: December 23, 2002

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-N326-RA-2002
HYDROGRAPHIC SHEET: H11190

LOCALITY: Port Madison, WA
TIME PERIOD: November 5-22, 2002

TIDE STATION USED: 944-7130 Seattle, WA
Lat. 47° 36.1'N Lon. 122° 20.4'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.198 meters

REMARKS: RECOMMENDED ZONING
Use zone(s) identified as: PS139, PS160 & PS161.

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.

Thomas V. Mero 1/2/03

CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION

Final tide zone node point locations for OPR-N326-RA-2002, Sheet H11190.

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 PS139	944-7130	0	0.96
-122.362642 47.938777			
-122.413491 47.914355			
-122.517175 47.862733			
-122.530739 47.794358			
-122.490915 47.780536			
-122.387874 47.781985			
-122.313065 47.837249			
-122.302 47.913522			
-122.362642 47.938777			
Zone PS160	944-7130	0	0.98
-122.490915 47.780536			
-122.4775 47.748685			
-122.468913 47.736374			
-122.44047 47.716091			
-122.401293 47.697613			
-122.364762 47.705511			
-122.355744 47.749621			
-122.387874 47.781985			
-122.490915 47.780536			
Zone PS161	944-7130	0	1.00
-122.4775 47.748685			
-122.539751 47.749408			
-122.522043 47.705945			
-122.531028 47.648028			
-122.493204 47.634317			
-122.43138 47.661495			
-122.400999 47.665697			
-122.399705 47.667448			
-122.394633 47.680395			
-122.401293 47.697613			
-122.44047 47.716091			

-122.468913 47.736374
-122.4775 47.748685