



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Service
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : December 20, 2005

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-N161-RA-2005
HYDROGRAPHIC SHEET: H11419

LOCALITY: Bellingham Bay Vendovi Island to Post Point, WA
TIME PERIOD: October 15 - November 8, 2005

TIDE STATION USED: 944-9880 Friday Harbor, WA
Lat. 48° 32.7'N Long. 123° 00.7' W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.167 meters

REMARKS: RECOMMENDED ZONING

Preliminary zoning is accepted as the final zoning for project OPR-N161-RA-2005, H11419, during the time period between October 15 to November 8, 2005.

Please use the zoning file "N161RA2005CORP" submitted with the project instructions for Bellingham Bay, WA. Zones PS243, PS244, PS245, PS246, PS247, PS248, & PS254 are the applicable zones for H11419.

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 1983-2001 National Tidal Datum Epoch (NTDE).

Fa. B. G. Hall

CHIEF, PRODUCTS AND SERVICES DIVISION



Final tide zone node point locations for OPR-N161-RA-2005, H11419

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
PS243	944-9880	+6	x1.06
-122.696467 48.595664			
-122.722385 48.602606			
-122.702652 48.613914			
-122.677626 48.628255			
-122.607529 48.641504			
-122.58199 48.637064			
-122.553165 48.628482			
-122.525522 48.614831			
-122.502884 48.595524			
-122.495707 48.576101			
-122.503656 48.569645			
-122.556259 48.578596			
-122.554886 48.587542			
-122.645035 48.586641			
-122.696467 48.595664			
PS244	944-9880	+12	x1.06
-122.553165 48.628482			
-122.489376 48.653514			
-122.407262 48.602322			
-122.42701 48.559609			
-122.485565 48.549867			
-122.503656 48.569645			
-122.495707 48.576101			
-122.502884 48.595524			
-122.525522 48.614831			
-122.553165 48.628482			
PS245	944-9880	+12	x1.08
-122.489376 48.653514			
-122.486617 48.695651			
-122.518053 48.716593			
-122.609231 48.700738			
-122.632858 48.671748			
-122.607529 48.641504			
-122.58199 48.637064			

-122.553165 48.628482			
-122.489376 48.653514			
PS246	944-9880	+18	x1.10
-122.518053 48.716593			
-122.491299 48.724836			
-122.481112 48.750386			
-122.514203 48.776164			
-122.570979 48.782785			
-122.615489 48.765001			
-122.630736 48.743966			
-122.613594 48.714308			
-122.609231 48.700738			
-122.518053 48.716593			
PS247	944-9880	+18	x1.10
-122.609231 48.700738			
-122.613594 48.714308			
-122.630736 48.743966			
-122.653521 48.727603			
-122.651934 48.716457			
-122.647411 48.710129			
-122.63994 48.7072			
-122.609231 48.700738			
PS248	944-9880	+18	x1.10
-122.609231 48.700738			
-122.63994 48.7072			
-122.665008 48.694922			
-122.632858 48.671748			
-122.609231 48.700738			
PS254	944-9880	+18	x1.08
-122.607529 48.641504			
-122.632858 48.671748			
-122.650739 48.66724			
-122.670676 48.666329			
-122.697259 48.666153			
-122.724951 48.663778			
-122.748495 48.659948			
-122.790731 48.644557			
-122.677626 48.628255			
-122.607529 48.641504			