



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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: August 21, 2000

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-N411-NRT3-2000
HYDROGRAPHIC SHEET: F00459

LOCALITY: Puget Sound, WA
TIME PERIOD: April 13 - June 21, 2000

TIDE STATION USED: 944-9424 Cherry Point, WA
Lat. 48° 51.8'N Lon. 122° 45.5'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.515 meters

TIDE STATION USED: 944-9880 Friday Harbor, WA
Lat. 48° 32.7'N Lon. 123° 0.8'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: 944-9932 Armitage Island, WA
Lat. 48° 32.1'N Lon. 122° 47.8'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.189 meters

REMARKS: RECOMMENDED ZONING
Use zone(s) identified as: PS252, PS253, PS274, PS275, PS276,
PS277, PS284, PS286, PS287, PS288, PS289 & PS304.

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.

For *D. Shultz*

CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION



Final tide zone node point locations for OPR-N411-NRT3-2000,
Sheet F00459.

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 PS252			
-122.775261 48.557684	944-9932	+12	1.03
-122.810575 48.586315			
-122.810389 48.593792			
-122.804675 48.597911			
-122.799838 48.601796			
-122.767118 48.604224			
-122.722385 48.602606			
-122.714173 48.563109			
-122.775261 48.557684			
Zone PS253			
-122.722385 48.602606	944-9932	+24	1.04
-122.677626 48.628255			
-122.790731 48.644557			
-122.82723 48.625139			
-122.818602 48.608322			
-122.801097 48.603921			
-122.799838 48.601796			
-122.767118 48.604224			
-122.722385 48.602606			
Zone PS274			
-122.884474 48.57267	944-9932	+12	0.99
-122.866912 48.57662			
-122.847864 48.579188			
-122.82703 48.580175			
-122.82335 48.582646			
-122.822371 48.588361			
-122.816538 48.593675			
-122.824439 48.600622			

-122.818602 48.608322
-122.82723 48.625139
-122.841395 48.62062
-122.865701 48.609546
-122.88805 48.597787
-122.884474 48.57267

Zone PS275

-122.799838 48.601796	944-9932	+18	1.01
-122.801097 48.603921			
-122.818602 48.608322			
-122.824439 48.600622			
-122.816538 48.593675			
-122.813222 48.597697			
-122.804675 48.597911			
-122.799838 48.601796			

Zone PS276

-122.810389 48.593792	944-9932	+12	1.01
-122.815851 48.59079			
-122.822371 48.588361			
-122.82335 48.582646			
-122.815161 48.581832			
-122.810575 48.586315			
-122.810389 48.593792			

Zone PS277

-122.816018 48.549951	944-9932	+6	0.98
-122.814552 48.552119			
-122.822915 48.566762			
-122.82703 48.580175			
-122.847864 48.579188			
-122.866912 48.57662			
-122.884474 48.57267			
-122.889426 48.553276			
-122.876884 48.537626			
-122.86133 48.540325			
-122.845427 48.542252			
-122.816018 48.549951			

Zone PS284

-122.91361 48.593	944-9880	+6	0.99
-122.942351 48.604027			
-122.979204 48.600428			
-122.975154 48.590005			

-122.944337 48.584028
-122.942496 48.58586
-122.929719 48.583633
-122.920623 48.583058
-122.91361 48.593

Zone PS286

-122.942351 48.604027	944-9880	+12	0.99
-122.951828 48.634099			
-122.984226 48.645264			
-122.998643 48.643224			
-122.997833 48.628838			
-122.979204 48.600428			
-122.942351 48.604027			

Zone PS287

-122.962942 48.553049	944-9880	0	1.00
-122.99206 48.584349			
-123.010848 48.582026			
-123.049269 48.567168			
-123.025971 48.536842			
-123.008822 48.525463			
-122.98251 48.515418			
-122.984356 48.534048			
-122.962942 48.553049			

Zone PS288

-123.010848 48.582026	944-9880	+6	1.02
-123.011755 48.584836			
-123.007518 48.596678			
-123.011448 48.615139			
-123.026431 48.621901			
-123.050214 48.617995			
-123.078578 48.617272			
-123.10661 48.619602			
-123.108795 48.596829			
-123.049269 48.567168			
-123.010848 48.582026			

Zone PS289

-122.997833 48.628838	944-9880	+6	1.00
-123.00739 48.632918			
-123.011448 48.615139			
-123.007518 48.596678			
-123.011755 48.584836			

-123.010848 48.582026
-122.99206 48.584349
-122.975154 48.590005
-122.979204 48.600428
-122.997833 48.628838

Zone PS304

-122.772005 48.892171	944-9424	0	1.00
-122.707285 48.857827			
-122.706849 48.817893			
-122.709609 48.803643			
-122.717992 48.811214			
-122.722296 48.8151			
-122.74534 48.832708			
-122.774937 48.845945			
-122.789698 48.849346			
-122.783919 48.858168			
-122.772005 48.892171			