



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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: January 2, 2003

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-N326-RA-2002
HYDROGRAPHIC SHEET: H11039

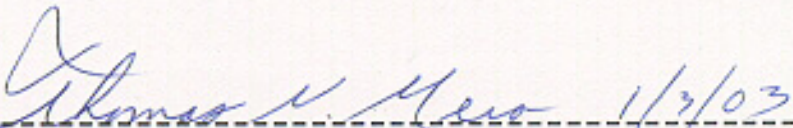
LOCALITY: Northern Approaches to Admiralty Inlet, WA
TIME PERIOD: November 14, 2001 and October 18, 2002

TIDE STATION USED: 944-4900 Port Townsend, Admiralty Inlet, WA
Lat. 48° 06.1'N Lon. 122° 45.5'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.387 meters

REMARKS: RECOMMENDED ZONING
Use zone(s) identified as: PS99, PS100, PS101, PS102, PS103,
PS104, PS105, PS106, PS114 & PS115.

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.



CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION

Final tide zone node point locations for OPR-N326-RA-2002, Sheet H11039.

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 PS99 | 944-4900 | -24 | 0.83 |
| -122.906045 48.237829 | | | |
| -122.899968 48.261473 | | | |
| -122.854848 48.291333 | | | |
| -122.82567 48.314919 | | | |
| -122.804821 48.348601 | | | |
| -122.797653 48.385336 | | | |
| -122.779262 48.372319 | | | |
| -122.753679 48.335555 | | | |
| -122.75432 48.302865 | | | |
| -122.791509 48.266338 | | | |
| -122.840126 48.228362 | | | |
| -122.905945 48.195859 | | | |
| -122.92476 48.189261 | | | |
| -122.906045 48.237829 | | | |
| 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 | | | |
| Zone PS101 | 944-4900 | -24 | 0.88 |
| -122.869315 48.110117 | | | |
| -122.900792 48.149681 | | | |

-122.883403 48.156423
-122.833308 48.180006
-122.797437 48.202752
-122.763423 48.223421
-122.74336 48.211323
-122.767704 48.18887
-122.837953 48.134136
-122.869315 48.110117

Zone PS102 944-4900 -18 0.90

-122.74336 48.211323
-122.767704 48.18887
-122.837953 48.134136
-122.827149 48.130167
-122.792442 48.13985
-122.74513 48.177912
-122.724062 48.198146
-122.74336 48.211323

Zone PS103 944-4900 -12 0.93

-122.724062 48.198146
-122.710593 48.198036
-122.699364 48.189078
-122.716371 48.170675
-122.749768 48.151231
-122.767394 48.14192
-122.792442 48.13985
-122.74513 48.177912
-122.724062 48.198146

Zone PS104 944-4900 -6 0.95

-122.699364 48.189078
-122.681974 48.179077
-122.679366 48.167028
-122.699673 48.153743
-122.73307 48.14192
-122.760282 48.13923
-122.767394 48.14192
-122.749768 48.151231
-122.716371 48.170675
-122.699364 48.189078

Zone PS105 944-4900 0 0.98

-122.655725 48.16348
-122.66842 48.160434

-122.676768 48.1603
-122.679366 48.167028
-122.699673 48.153743
-122.73307 48.14192
-122.760282 48.13923
-122.768072 48.132229
-122.75734 48.121538
-122.718276 48.122612
-122.689648 48.128702
-122.66997 48.14086
-122.655725 48.16348

Zone PS106

944-4900

0

1.00

-122.703664 48.100587
-122.722556 48.095097
-122.750272 48.099214
-122.777472 48.104515
-122.779814 48.107002
-122.75734 48.121538
-122.718276 48.122612
-122.689648 48.128702
-122.703664 48.100587

Zone PS114

944-4900

+6

1.00

-122.689648 48.128702
-122.703664 48.100587
-122.696012 48.102
-122.661018 48.111322
-122.631588 48.125835
-122.606632 48.150352
-122.617811 48.165875
-122.655725 48.16348
-122.66997 48.14086
-122.689648 48.128702

Zone PS115

944-4900

+12

1.02

-122.606632 48.150352
-122.597119 48.130752
-122.599493 48.098069
-122.622756 48.09304
-122.657271 48.089276
-122.695799 48.088381
-122.696012 48.102
-122.661018 48.111322
-122.631588 48.125835

-122.606632 48.150352