



TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : February 07, 2011

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-N338-NRT3-2010
HYDROGRAPHIC SHEET: H12276

LOCALITY: Harrington Pt. to Three Tree Pt., Columbia River, OR
TIME PERIOD: October 7, 2010 - January 18, 2011

TIDE STATION USED: 943-9040 Astoria, OR
Lat. 46° 12.4'N Long. 123° 46.1' W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 2.418 meters

REMARKS: RECOMMENDED ZONING

Preliminary zoning is accepted as the final zoning for project OPR-N338-NRT3-2010, H12276 during the time period between October 7, 2010 and January 18, 2011.

Please use the zoning file "N338NRT32010CORP" submitted with the project instructions for OPR-N338-NRT3-2010. Zones CR18, CR19, CR20, CR21 and CR22 are the applicable zones for H12276.

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).

Peter J. Stone

Digitally signed by Peter J. Stone
DN: cn=Peter J. Stone, o=NOAA/NOS/CO-OPS,
ou=Oceanographic Division,
email=peter.stone@noaa.gov, c=US
Date: 2011.02.07 11:14:18 -05'00'

CHIEF, OCEANOGRAPHIC DIVISION

