



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

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : January 13, 2006

HYDROGRAPHIC BRANCH: Pacific
HYDROGRAPHIC PROJECT: OPR-P132-RA-2005
HYDROGRAPHIC SHEET: H11494

LOCALITY: North Portion of Columbia Bay, Eastern Prince William Sound, AK
TIME PERIOD: September 3 - 22, 2005

TIDE STATION USED: Columbia Glacier, AK 945-4460
Lat. 61 01.4' N Long. 147 05.1' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.384 meters

TIDE STATION USED: Valdez, AK 945-4240
Lat. 61 07.5' N Long. 146 21.8' W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 3.417 meters

REMARKS: RECOMMENDED ZONING
Use zone(s) identified as: PWS72A

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).
- Note 2: Use tide data from the appropriate station with applicable zoning correctors for each zone according to the order in which they are listed in the Tidezone corrector file (*.ZDF). For example, tide station one (TS1) would be the first choice for an applicable zone followed by TS2, etc. when data are not available.



FCH CHIEF, PRODUCTS AND SERVICES DIVISION



Final tide zone node point locations for OPR-PI32-RA-2005, H11494

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

| Zone | Tide Station Order | AVG Time Correction | Range Correction |
|-----------------------|-----------------------|------------------------|---------------------|
| PWS72A | 945-4460 | 0 | x1.01 |
| | 945-4240 | 0 | x0.99 |
| -147.29477 61.02981 | | | |
| -147.272639 61.10537 | | | |
| -147.176302 61.151329 | | | |
| -146.99144 61.148811 | | | |
| -146.944574 61.098437 | | | |
| -146.944575 61.044195 | | | |
| -146.95637 61.014771 | | | |
| -146.985435 61.024049 | | | |
| -147.019075 61.020785 | | | |
| -147.064676 61.021148 | | | |
| -147.08486 61.022599 | | | |
| -147.104297 61.027314 | | | |
| -147.29477 61.02981 | | | |