



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

**TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE :** February 21, 2007

**HYDROGRAPHIC BRANCH:** Pacific  
**HYDROGRAPHIC PROJECT:** OPR-P182-FA-2006  
**HYDROGRAPHIC SHEET:** H11587

**LOCALITY:** 11 NM E-Southeast of Mitrofanina island, AK  
**TIME PERIOD:** May 28 - June 26, 2006

**TIDE STATION USED:** 945-9016 Mitrofanina, AK  
Lat. 55° 53.4'N Long. 158° 49.20' W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 2.121 meters

**REMARKS:** RECOMMENDED ZONING  
Use zone(s) identified as: SWA169, SWA180 & SWA181

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).

For   
CHIEF, PRODUCTS AND SERVICES DIVISION



**Final tide zone node point locations for OPR-P182-FA-2006, H11587**

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 SWA169	945-9016	0	1.09
-158.357095 56.192143			
-158.352707 56.167654			
-158.358384 56.13423			
-158.152343 56.052012			
-158.050094 56.010801			
-157.661601 55.871655			
-157.142303 55.760791			
-157.229433 55.659196			
-157.310831 55.570259			
-157.934326 55.778669			
-158.239463 55.914375			
-158.421429 56.007001			
-158.483459 56.039447			
-158.510936 56.038617			
-158.48576 56.070531			
-158.523965 56.114338			
-158.477124 56.130876			
-158.477124 56.130876			
-158.430272 56.19459			
-158.357095 56.192143			
Zone SWA180	945-9016	0	1.05
-157.310831 55.570259			
-157.934326 55.778669			
-158.239463 55.914375			
-158.421429 56.007001			
-158.483459 56.039447			
-158.510936 56.038617			
-158.556712 56.03303			
-158.646196 56.017708			
-158.671891 55.997061			
-158.695213 55.986881			
-158.694834 55.973475			
-158.681231 55.953931			
-158.504524 55.833366			

-158.207958 55.662824  
-157.434421 55.337217  
-157.310831 55.570259  
Zone SWA181  
-157.434421 55.337217  
-157.558799 55.078922  
-157.949705 55.2071  
-158.277619 55.351045  
-158.597535 55.503373  
-158.949337 55.71416  
-159.131658 55.837196  
-159.195855 55.925253  
-159.31513 56.008739  
-158.902585 56.094928  
-158.671891 55.997061  
-158.695213 55.986881  
-158.694834 55.973475  
-158.681231 55.953931  
-158.504524 55.833366  
-158.207958 55.662824  
-157.434421 55.337217

945-9016

0

1.00