



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

**TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE :** September 30, 2005

**HYDROGRAPHIC BRANCH:** Pacific Hydrographic Branch  
**HYDROGRAPHIC PROJECT:** S-P909-FA-2005  
**HYDROGRAPHIC SHEET:** H11484

**LOCALITY:** Vicinity of Semidi and Chirikof Islands, AK  
**TIME PERIOD:** June 11 to August 16, 2005

**TIDE STATION USED:** Sand Point, AK 945-9450  
Lat. 55 20.2' N Long. 160 30.1' W  
**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 1.988 meters

**TIDE STATION USED:** Kodiak, AK 945-7292  
Lat. 57 43.8' N Long. 152 30.8' W  
**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 2.400 meters

**REMARKS: RECOMMENDED ZONING**

Use zone(s) identified as: SWA147, SWA148, SWA149, SWA150, SWA151,  
SWA152, SWA153, SWA154, SWA155, SWA156,  
SWA159, SWA169, SWA170, SWA179, SWA180,  
SS89, SS90, SS91, SS94, SS95, SS96, SS99,  
SS100, SS101, SS104, SS105

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.

  
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CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION



## Final tide zone node point locations for OPR-P909-FA-2005

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
SWA147	945-9450	-30	x1.21
-154.100108 55.528657			
-154.071048 55.660815			
-154.06022 55.834853			
-154.699237 55.79456			
-155.089371 55.790272			
-155.362993 55.560701			
-154.41287 55.53065			
-154.100108 55.528657			
SWA148	945-9450	-18	x1.21
-155.089371 55.790272			
-155.65796 55.784023			
-156.425537 55.827042			
-156.981997 55.897305			
-157.142303 55.760791			
-156.292961 55.629358			
-155.671598 55.573477			
-155.362993 55.560701			
-155.089371 55.790272			
SWA149	945-9450	-18	x1.25
-154.954487 55.937279			
-155.081499 55.931725			
-155.744446 55.919675			
-156.814151 55.990896			
-156.981997 55.897305			
-156.425537 55.827042			
-155.65796 55.784023			
-155.089371 55.790272			
-154.991989 55.885426			
-154.954487 55.937279			
SWA150	945-7292	+18	x0.99
-154.864755 56.102156			
-155.133653 56.089296			
-155.798963 56.053871			

-156.640832 56.102324			
-156.814151 55.990896			
-155.744446 55.919675			
-155.081499 55.931725			
-154.954487 55.937279			
-154.873558 56.048921			
-154.864755 56.102156			
SWA151	945-7292	+18	x1.02
-154.842056 56.230755			
-154.864755 56.102156			
-155.133653 56.089296			
-155.798963 56.053871			
-156.640832 56.102324			
-156.451752 56.212443			
-155.871846 56.188861			
-155.33695 56.20937			
-154.956803 56.22315			
-154.842056 56.230755			
SWA152	945-7292	+18	x1.05
-154.82337 56.317191			
-155.395724 56.297146			
-155.892917 56.30017			
-156.307887 56.317676			
-156.451752 56.212443			
-155.871846 56.188861			
-155.33695 56.20937			
-154.956803 56.22315			
-154.842056 56.230755			
-154.82337 56.317191			
SWA153	945-7292	+18	x1.08
-154.757139 56.401913			
-154.898488 56.394421			
-155.159781 56.385702			
-155.341686 56.384597			
-155.59396 56.384607			
-155.800583 56.384674			
-156.199466 56.398178			
-156.307887 56.317676			
-155.892917 56.30017			
-155.395724 56.297146			
-154.82337 56.317191			
-154.757139 56.401913			
SWA154	945-7292	+30	x1.08
-156.199466 56.398178			
-156.64511 56.424375			
-156.927793 56.478454			

-157.004841 56.503826			
-157.107648 56.445969			
-156.937857 56.395634			
-156.704922 56.352554			
-156.307887 56.317676			
-156.199466 56.398178			
SWA155	945-7292	+30	x1.05
-157.107648 56.445969			
-157.241858 56.370111			
-157.032765 56.306289			
-156.730153 56.246814			
-156.451752 56.212443			
-156.307887 56.317676			
-156.704922 56.352554			
-156.937857 56.395634			
-157.107648 56.445969			
SWA156	945-7292	+30	x1.02
-157.241858 56.370111			
-157.271849 56.353122			
-157.463905 56.279948			
-157.095579 56.174362			
-156.640832 56.102324			
-156.451752 56.212443			
-156.730153 56.246814			
-157.032765 56.306289			
-157.241858 56.370111			
SWA159	945-9450	-6	x1.21
-158.152343 56.052012			
-158.050094 56.010801			
-157.661601 55.871655			
-157.142303 55.760791			
-156.981997 55.897305			
-157.495912 56.001867			
-157.761014 56.076076			
-157.912071 56.122374			
-158.152343 56.052012			
SWA169	945-9450	-6	x1.18
-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			
SWA170	945-9450	-18	x1.18
-155.362993 55.560701			
-155.671598 55.573477			
-156.292961 55.629358			
-157.142303 55.760791			
-157.229433 55.659196			
-157.310831 55.570259			
-155.726846 55.307255			
-155.362993 55.560701			
SWA179	945-9450	-18	x1.14
-155.726846 55.307255			
-157.310831 55.570259			
-157.434421 55.337217			
-156.78161 55.162081			
-156.062649 55.005929			
-155.726846 55.307255			
SWA180	945-9450	-6	x1.14
-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			
SS89	945-7292	+12	x1.18
-154.945752 56.62678			

-155.141404 56.630762  
-155.239336 56.557087  
-155.156254 56.555169  
-154.924361 56.555593  
-154.755501 56.553944  
-154.613534 56.551484  
-154.533445 56.597479  
-154.50304 56.63441  
-154.50304 56.63441  
-154.759977 56.629798  
-154.945752 56.62678

SS90

945-7292

+24

x1.18

-155.141404 56.630762  
-155.310924 56.634428  
-155.656319 56.649221  
-155.896845 56.665606  
-155.958501 56.588565  
-155.769734 56.57469  
-155.398084 56.560751  
-155.239336 56.557087  
-155.141404 56.630762

SS91

945-7292

+30

x1.18

-155.896845 56.665606  
-156.053759 56.678119  
-156.349558 56.713681  
-156.625831 56.770567  
-156.688491 56.795451  
-156.724502 56.745546  
-156.768919 56.698906  
-156.693706 56.676334  
-156.411185 56.62761  
-156.024281 56.592796  
-155.958501 56.588565  
-155.896845 56.665606

SS94

945-7292

+30

x1.16

-156.768919 56.698906  
-156.805961 56.659028  
-156.71866 56.63386  
-156.439676 56.585981  
-155.996183 56.55001  
-155.958501 56.588565  
-156.024281 56.592796  
-156.411185 56.62761  
-156.693706 56.676334  
-156.768919 56.698906

SS95	945-7292	+24	x1.16
-155.769734 56.57469			
-155.958501 56.588565			
-155.996183 56.55001			
-155.719782 56.534137			
-155.258835 56.523493			
-155.239336 56.557087			
-155.398084 56.560751			
-155.769734 56.57469			
SS96	945-7292	+18	x1.16
-155.156254 56.555169			
-155.239336 56.557087			
-155.258835 56.523493			
-155.088735 56.521758			
-154.996108 56.521187			
-154.821248 56.520109			
-154.695724 56.517632			
-154.613534 56.551484			
-154.755501 56.553944			
-154.924361 56.555593			
-155.156254 56.555169			
SS99	945-7292	+18	x1.14
-155.258835 56.523493			
-155.298961 56.456224			
-155.025931 56.458655			
-154.927348 56.459764			
-154.76596 56.461421			
-154.715151 56.489537			
-154.695724 56.517632			
-154.821248 56.520109			
-154.996108 56.521187			
-155.088735 56.521758			
-155.258835 56.523493			
SS100	945-7292	+24	x1.14
-155.258835 56.523493			
-155.719782 56.534137			
-155.996183 56.55001			
-156.080347 56.475447			
-155.606241 56.455911			
-155.298961 56.456224			
-155.258835 56.523493			
SS101	945-7292	+30	x1.14
-155.996183 56.55001			
-156.439676 56.585981			
-156.71866 56.63386			
-156.805961 56.659028			

-156.895859 56.565337  
-156.72051 56.52476  
-156.478477 56.494118  
-156.080347 56.475447  
-155.996183 56.55001

SS104

945-7292

+30

x1.11

-156.080347 56.475447  
-156.478477 56.494118  
-156.72051 56.52476  
-156.895859 56.565337  
-157.004841 56.503826  
-156.927793 56.478454  
-156.64511 56.424375  
-156.199466 56.398178  
-156.080347 56.475447

SS105

945-7292

+24

x1.11

-155.59396 56.384607  
-155.800583 56.384674  
-156.199466 56.398178  
-156.080347 56.475447  
-155.606241 56.455911  
-155.298961 56.456224  
-155.341686 56.384597  
-155.59396 56.384607