



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL OCEAN SERVICE  
Office of Ocean and Earth Sciences  
Silver Spring, Maryland 20910

**TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE:** April 10, 1998

**HYDROGRAPHIC BRANCH:** Atlantic

**HYDROGRAPHIC PROJECT:** OPR-G311-WH  
**HYDROGRAPHIC SHEET:** H-10780

**LOCALITY:** Georgia, Atlantic Ocean, Approaches to Brunswick

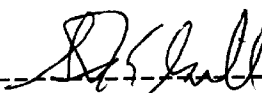
**TIME PERIOD:** September 19 - November 20, 1997

**TIDE STATION USED:** 872-0030 Fernandina, FL  
Lat. 30° 40.5'N Lon. 81° 27.9'W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 1.908 meters

**REMARKS:** RECOMMENDED ZONING  
Use zone(s) identified as: SEC166, SEC167, SEC168, SEC173,  
SEC174, SEC175, SEC176, SEC177 & SEC178.  
Refer to attachments for zoning information.

**Note:** Provided time series data are tabulated in metric units  
(Meters), relative to MLLW and on Greenwich Mean Time.

  
-----  
CHIEF, OPERATIONAL ANALYSIS BRANCH



Final tide zone node point locations for OPR G311-WH-97,  
Sheet H-10780.

Format: Longitude in decimal degrees (negative value denotes  
Longitude West),  
Latitude in decimal degrees  
Tide Station (in recommended order of use)  
Average Time Correction (in minutes)  
Range Correction

		Tide Station Order	AVG Time Correction	Range Correction
Zone SEC166				
-81.157444	31.200404	872-0030	-42	1.04
-81.133015	31.335326			
-81.118252	31.350776			
-80.850666	31.69094			
-80.798213	31.767812			
-80.750337	31.844183			
-80.775953	31.672421			
-80.797318	31.642872			
-81.074483	31.281295			
-81.157444	31.200404			
Zone SEC167				
-81.185329	31.076448	872-0030	-42	1.01
-81.157444	31.200404			
-81.074483	31.281295			
-80.775953	31.672421			
-80.796988	31.52676			
-81.033162	31.215085			
-81.185329	31.076448			
Zone SEC168				
-81.218542	30.940138	872-0030	-42	0.97
-81.185329	31.076448			
-81.033162	31.215085			
-80.796988	31.52676			
-80.8199	31.365616			
-80.995859	31.155667			
-81.218542	30.940138			
Zone SEC173				
-81.285383	31.288205	872-0030	-18	1.07
-81.284863	31.324399			
-81.284863	31.352996			
-81.253709	31.316351			
-81.249548	31.282773			
-81.246554	31.253857			
-81.254946	31.207039			
-81.271967	31.258765			

-81.285892 31.278109  
-81.285383 31.288205

Zone SEC174

-81.254946 31.207039	872-0030	-24	1.07
-81.246554 31.253857			
-81.253709 31.316351			
-81.268785 31.333651			
-81.077918 31.54466			
-81.133015 31.335326			
-81.254946 31.207039			

Zone SEC175

-81.419769 31.022441	872-0030	-18	1.07
-81.410253 31.051653			
-81.406036 31.082661			
-81.387183 31.136878			
-81.379277 31.155115			
-81.313677 31.214704			
-81.295139 31.218599			
-81.283384 31.252874			
-81.271967 31.258765			
-81.254946 31.207039			
-81.419769 31.022441			

Zone SEC176

-81.28994 31.069948	872-0030	-24	1.04
-81.254946 31.207039			
-81.133015 31.335326			
-81.157444 31.200404			
-81.28994 31.069948			

Zone SEC177

-81.410716 30.974973	872-0030	-12	1.04
-81.426838 31.017422			
-81.419769 31.022441			
-81.254946 31.207039			
-81.28994 31.069948			
-81.405775 30.957178			
-81.410716 30.974973			

Zone SEC178

-81.28994 31.069948	872-0030	-24	1.01
-81.157444 31.200404			
-81.185329 31.076448			
-81.331984 30.945514			
-81.28994 31.069948			