



TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE : November 29, 2011

HYDROGRAPHIC BRANCH: Pacific  
HYDROGRAPHIC PROJECT: S-G904-NRT2-2010  
HYDROGRAPHIC SHEET: H12274

LOCALITY: Cumberland Sound, Fernandina, FL  
TIME PERIOD: September 12, 2011 to November 7, 2011

TIDE STATION USED: 8720030 Fernandina, FL  
Lat. 30° 40.3'N Long. 81° 27.9' W

PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters  
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 1.892 meters

REMARKS: RECOMMENDED GRID

Please use the TCARI grid "G904NRT22011.tc" as the final grid for project S-G904-NRT2-2010, H12274, during the time period between Sep. 12 and Nov. 7, 2011.

Refer to attachments for grid 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:** In FY11, OCS/NSD only provided the NRT2 with CO-OPS Project Instructions (PIs) and TCARI grid for S-G904-NRT2-2011 and did not provide updated OCS/NSD FY11 PIs. Therefore, the NRT2 conducted the FY11 survey under NSD's FY10 PIs and CO-OPS FY11 PIs and submitted the final tide request with project number S-G904-NRT2-2010.

**Note 3:** Due to inaccurate shoreline around Fernandina, FL, survey tracklines fall outside of the TCARI grid boundaries in some areas. TCARI will extrapolate the tide corrector to cover these soundings.

**Note 4:** The survey area was extended into shallow-water regions in Cumberland sound where due to a lack of observed water level data, CO-OPS cannot QC the TCARI grid. As tides may be changed by shallow water, during the survey there may be times when the error exceeds tolerance in these regions.

Gerald Hovis

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