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GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
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Mr. Joel Murphy
U.S. Department of the Navy, Southern Division
Naval Facilities Engineering Command
Post Office Box 10068
Charleston, S.C. 29411-0068

Dear Mr. Murphy:

This letter is to update you on the work that has been accomplished for OU#2 on JAXNAS during November. On November 4, I pulled water-level punch tapes from the recorders at the Marina, NARF-12, and NARF-15. These tapes were entered into our ADAPS system, from which their data were plotted. Diurnal tidal fluctuations were obvious from the tide gage at the Marina, but were not apparent in NARF-12 and -15 wells. On November 17, Mike Planert, Hal Davis, and I installed a pressure transducer in monitoring well NARF-12, for more sensitive measurement of small amplitude tidal fluctuations in the surficial aquifer at that well. On November 18-19, we conducted station-wide stream gaging, coincident with station-wide water-level measurements conducted by ABB. At the end of the month we received and evaluated water-level measurements sent from ABB.

I have ordered copies of recently-taken air photos to update our GIS coverages of the base. As soon as the water levels sent by ABB have been entered into our GIS coverage of the station, we will redesign the modeling grid and recalibrate a new flow model.

Sincerely,
For the District Chief

William J. Andrews
Hydrologist

cc: Fred Bragdon, ABB - Orange Park, Florida
Willard Murray, ABB - Wakefield, Massachusetts
Philip Georgariou, ABB - Orange Park, Florida