

**NASSAU COUNTY - SAISSA  
Task Order Memorandum  
Contract CM1852**

**To:** Olsen Associates, Inc.  
2618 Herschel St.  
Jacksonville, FL 32204

**Date:** 01 May 2017  
**Contract:** Coastal Engineering  
**Request Made By:** Bill Moore, SAISSA Rep.  
**Request Received By:** Albert E. Browder, Ph.D., P.E.  
**Task Order No:** CM1852 TO #23

**Task Order:** Nassau Sound – Borrow Area Seabed Benthic Study and  
Project Biological and Essential Fish Habitat Assessments  
Beach Renourishment: South Amelia Island Shore Stabilization Project

Consultant and subconsultant team shall a) conduct a field study to assess the sediments and the benthic organism composition in and adjacent to the proposed borrow area and buffer zone along the northeast edge of Nassau Sound, and b) prepare a project Biological Assessment (BA) and Essential Fish Habitat (EFH) Assessment of the proposed renourishment project and its associated borrow area and buffer zone (Exhibit A). Deliverables for each sub-task shall include a report of findings, prepared by a qualified marine biologist subconsultant and supported by the Engineer, and any relevant correspondence from the regulatory agencies. All products shall be provided to SAISSA in electronic \*.PDF format and hardcopy (2 copies). All work shall be performed on a Lump Sum basis.

Sub-task a) Field survey	\$ 24,000.00 (L.S.)
Sub-task b) Preparation of Biological and Essential Fish Habitat Assessments	\$ 33,400.00 (L.S.)

**Fee: \$ 57,400.00 (Lump Sum)**

**Requested Completion Date:** A) FY 17, Two (2) months from completion of field work (summer/fall 2017).  
B) FY 18, Six (6) months from completion of field work (summer/fall 2017).

**Olsen Associates, Inc.**

**SAISSA**

  
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Albert E. Browder, Ph.D., P.E.

  
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Andrew L. Wallace, SAISSA President

Date: 01 May 2017  
\_\_\_\_\_

Date: 5-10-2017  
\_\_\_\_\_

**Nassau County, Board of County  
Commissioners**

Attest to Chair  
Signature

\_\_\_\_\_  
Daniel B. Leeper  
Its: Chair

\_\_\_\_\_  
John A. Crawford  
Its: Ex-Officio Clerk

\_\_\_\_\_  
Date:  
  
Approved As To Form and Legal Sufficiency:

Date: \_\_\_\_\_

\_\_\_\_\_  
Michael S. Mullin

Date: \_\_\_\_\_

**SCOPE OF WORK**

Nassau Sound – Borrow Area Seabed Benthic Study and  
Project Biological and Essential Fish Habitat Assessments  
Beach Renourishment: South Amelia Island Shore Stabilization Project

**May 2017**

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**TASK DESCRIPTION**

The purpose of the task is to a) conduct a field survey to assess seabed conditions and benthic organism status in and adjacent to the proposed borrow area and buffer zone along the northeast edge of Nassau Sound (**Figure 1**), and b) prepare a project Biological Assessment (BA) and Essential Fish Habitat (EFH) Assessment of the proposed project and use of the borrow area. The field work component of the work is expected to be performed in the late spring or summer of 2017. The study results and assessment documents produced in this Task Order shall likewise be incorporated into the submittal for the upcoming permitting process for beach renourishment. The documents are required to satisfy conditions of the Endangered Species Act and the Magnuson-Stevens Fishery and Conservation Act, respectively.

Deliverables Deliverables shall include a report of findings, prepared by a qualified marine biologist subconsultant<sup>1</sup> and supported by the Engineer, and any relevant correspondence from the regulatory agencies. All products shall be provided to SAISSA in electronic \*.PDF format. Two hardcopies of the report shall be provided to SAISSA.

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<sup>1</sup> Ms. Cheryl L. Miller, of Coastal Eco-Group, Inc., of Deerfield Beach, FL, will lead both phases of the study.

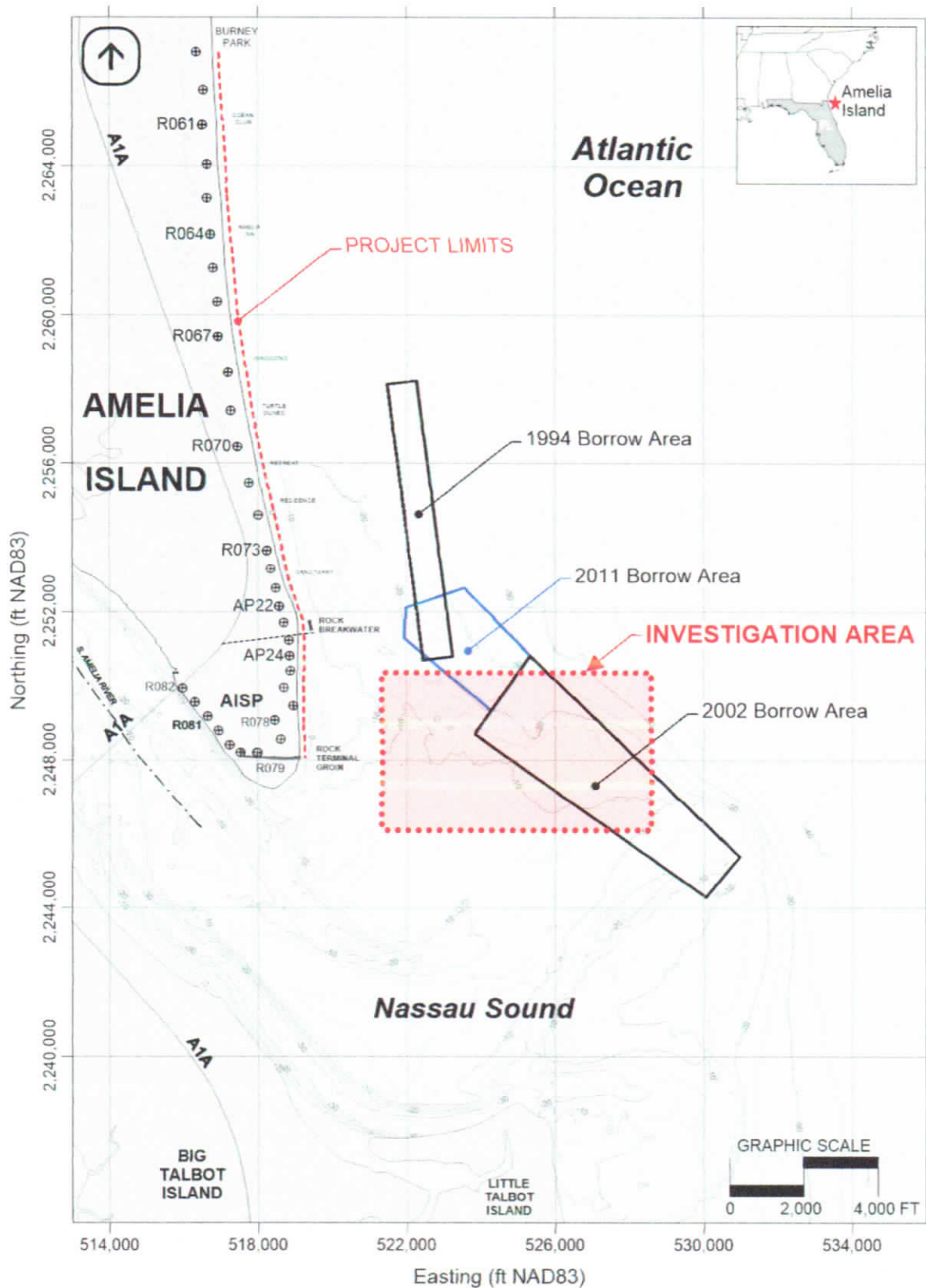


Figure 1 Location Map – South Amelia Island and proposed investigation area at Nassau Sound. Contours in feet (2016).

**Potential FDEP Cost-shared Tasks\***

Nassau Sound – Borrow Area Seabed Benthic Study and  
Project Biological and Essential Fish Habitat Assessments  
Beach Renourishment: South Amelia Island Shore Stabilization Project

**May 2017**

<b>Task</b>	<b>Total Fee</b>	<b>Potential State Cost-Share* (39.21%)</b>	<b>Local Cost-Share (60.79%)</b>
a) Field survey	\$24,000.00	\$ 9,410.40	\$14,589.60
b) BA and EFH Document Preparation	\$33,400.00	\$13,096.14	\$20,303.86
totals	\$57,400.00	\$22,506.54	\$34,893.46

\*Portion of 2016-2017 Beach Management Funding Assistance appropriation of \$313,680.00