



# MEMORANDUM

**DATE:** March 2, 2007

**TO:** Sanibel City Councilmembers

**FROM:** Judie Zimomra, City Manager

\*Signed electronically to not delay distribution.

**SUBJECT:** Supplemental Material for March 6, 2007 City Council Meeting

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Please find attached the following supplemental material for the March 6, 2007 Council Meeting:

- Agenda Item 10(g) – Explanation was added to agenda item
- Agenda Item 11 (b)
  - Draft RFQ – Beach and Nearshore Algae Monitoring Proposal
  - Draft RFQ – Offshore Algal Monitoring Proposal
  - Draft RFQ – Algae Cleanup Proposal
  - Draft RFQ – Algae Nutrient Cycling Proposal
  - Draft RFQ – Algal Nutrient Source Proposal
- Agenda Item 13 (a) 1 – Revised letter to Commissioner Janes regarding the County's proposed Sanibel Fishing Pier

JAZ/cm

Xc: Ken Cuyler, City Attorney  
Pamela Smith, City Clerk

**SANIBEL CITY COUNCIL REGULAR MEETING  
COUNCIL CHAMBERS (MacKenzie Hall)  
800 DUNLOP ROAD  
MARCH 6, 2007**

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**PLEASE NOTE THAT THE CITY COUNCIL AGENDA IS SUBJECT TO  
CHANGE**

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**A COPY OF THE AGENDA PACKET IS ON THE CITY'S WEBSITE  
[www.mysanibel.com](http://www.mysanibel.com); ON FILE AT SANIBEL LIBRARY; AND AVAILABLE FOR  
REVIEW AT THE CITY HALL FRONT DESK**

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- 9:00 a. m.**
1. Call to Order.
  2. Invocation and Pledge of Allegiance. (Councilman Brown)
  3. Swearing in of Councilmember Kevin Ruane (appointed to serve until a qualified candidate is elected at the May 01, 2007 Special Election and sworn to office)

**COUNCIL PHOTO**

4. Public Comments for non-Agenda items (Maximum time allotted, 20 minutes, with a limitation of 3 minutes per speaker.)
5. Council Comments
6. Planning Commission Report (Patty Sprankle)
7. First Reading of an ordinance and scheduling of public hearing. (Note: The First Reading is not a public hearing and no discussion or testimony will be taken unless the ordinance changes permitted conditional or prohibited uses as required by State Statute.)
  - a. **ORDINANCE 07-004 AMENDING THE PENSION PLAN FOR THE CITY'S POLICE OFFICERS, PROVIDING FOR THE CREATION OF A COST OF LIVING ADJUSTMENT FOR CERTAIN RETIREES, BENEFICIARIES AND SURVIVOR ANNUITANTS WHO ARE RETIRED AND RECEIVING BENEFITS AS OF OCTOBER 16, 2006 AND FOR FUTURE DISABILITY BENEFIT RECIPIENTS; PROVIDING FOR CODIFICATION; PROVIDING FOR REPEALER; PROVIDING FOR CONFLICT AND**

**SEVERANCE; AND PROVIDING FOR AN EFFECTIVE DATE.**

- 9:30 a. m.**      **8.**      **This Transmittal Hearing and first reading/Public Hearing** of the proposed ordinance amending the *Sanibel Plan*. (this hearing being the 5<sup>th</sup> Public Hearing on the EAR-based Comprehensive Plan Amendment. **There will be a second reading and Adoption Public Hearing** of the proposed ordinance amending the *Sanibel Plan*, following receipt of the Objections, Recommendations and Comments Report from the State Land Planning Agency
- a.**      **ORDINANCE 07-005 EXTENSIVELY AMENDING AND RESTATING THE *SANIBEL PLAN* TO IMPLEMENT THE RECOMMENDATIONS OF THE 2004/2005 EVALUATION AND APPRAISAL REPORT OF THE *SANIBEL PLAN*, TO ADDRESS CONSISTENCY WITH CHANGES IN STATE STATUTES AND ADMINISTRATIVE CODE, TO ADDRESS CONSISTENCY WITH CHANGES IN THE STATE COMPREHENSIVE PLAN, THE SOUTHWEST FLORIDA REGIONAL STRATEGIC POLICY PLAN AND THE PLANS OF STATE AND REGIONAL AGENCIES; PROVIDING FOR CODIFICATION; PROVIDING FOR CONFLICT AND SEVERANCE; AND PROVIDING AN EFFECTIVE DATE**
- 9:30 a. m.**      **9.**      **SECOND READING AND PUBLIC HEARING**
- a.**      **ORDINANCE 07-002 CALLING AN ELECTION TO SUBMIT TO THE SANIBEL ELECTORATE AN AMENDMENT TO THE SANIBEL CHARTER; PROPOSING AN AMENDMENT TO ARTICLE III, “LEGISLATIVE”, SECTION 3.07(c) ENTITLED “FILLING OF VACANCIES” FOR CITY COUNCIL MEMBERS; PROVIDING THAT A SPECIAL ELECTION SHALL BE SCHEDULED WITHIN 120 TO 150 DAYS AFTER A VACANCY, RATHER THAN WITHIN THE CURRENTLY REQUIRED 60 TO 90 DAYS, IN ORDER TO PROVIDE SUFFICIENT NOTICE TO THE SUPERVISOR OF ELECTIONS TO ALLOW THE SUPERVISOR TO SCHEDULE, PREPARE FOR AND HOLD SUCH SPECIAL ELECTION; PRESCRIBING THE FORM OF THE BALLOT AND GENERALLY SETTING FORTH THE PROCEDURES FOR SAID ELECTION; PROVIDING AN EFFECTIVE DATE FOR THE ORDINANCE; PROVIDING FOR CONFLICT AND SEVERANCE; AND PROVIDING FOR AN**

**EFFECTIVE DATE OF THE PROPOSED  
AMENDMENT UPON VOTER APPROVAL**

9:45 a. m.

- b. **ORDINANCE 07-003 REGULATING THE USE OF FERTILIZERS CONTAINING NITROGEN AND/OR PHOSPHORUS WITHIN THE CITY OF SANIBEL; PROVIDING FINDINGS; PROVIDING FOR PURPOSE AND INTENT; PROVIDING DEFINITIONS; PROVIDING FOR TIMING OF FERTILIZER APPLICATION, CONTENT AND APPLICATION RATE, IMPERVIOUS SURFACES AND BUFFER ZONES; PROVIDING FOR EXEMPTIONS; PROVIDING FOR SOIL TESTS INFORMATION; PROVIDING FOR LICENSING OF COMMERCIAL AND INSTITUTIONAL FERTILIZER APPLICATORS; PROVIDING CERTAIN NOTICES RELATING TO SALE OF FERTILIZER; PROVIDING A PROCESS FOR ADMINISTRATIVE RELIEF; PROVIDING FOR ENFORCEMENT AND PENALTY; PROVIDING FOR CODIFICATION; PROVIDING FOR SEVERABILITY; PROVIDING FOR AN EFFECTIVE DATE, INCLUDING A 180 DAY IMPLEMENTATION PERIOD.**
  
10. **CONSENT AGENDA (ANY PERSON MAY REQUEST THAT COUNCIL REMOVE AN ITEM FROM THE CONSENT AGENDA FOR DISCUSSION BY NOTIFYING THE CITY MANAGER/CITY CLERK, OR A COUNCIL MEMBER, PRIOR TO THE MEETING)**
  - a. Approval of Minutes – January 22, 2007 Special Meeting, and February 06, 2007 Regular Meeting
  
  - b. **RESOLUTION 07-025 AMENDING SANIBEL RESOLUTION 06-117 WHICH SETS FORTH THE CITY'S CURRENT SEWER SYSTEM RATES, FEES AND CHARGES; AMENDING THE SEWER SYSTEM FEE STRUCTURE TO ALLOW FOR COMMERCIAL CREDITS UNDER CERTAIN SPECIFIED CIRCUMSTANCES; AND PROVIDING AN EFFECTIVE DATE**
  
  - c. **RESOLUTION 07-029 APPROVING BUDGET/AMENDMENT/TRANSFER NO. 2007-052 AND PROVIDING AN EFFECTIVE DATE** (to establish the Community Park Improvement Capital Project Fund in the amount \$449,751. Sources of funds are from the appropriation of \$102,751 of City collected Community Park Impact fees, the \$200,000 FRDAP Grant

and \$147,000 transfer from the funds already budgeted in the Capital Acquisition Capital Project fund. The new funds budgeted by this amendment are the \$102,751 impact fee funds collected in previous fiscal years, but which are not budgeted until an authorized project is identified for their use. The use of the \$449,751 is for the improvements to the Community Park on Periwinkle Way)

- d. **RESOLUTION 07-030 APPROVING BUDGET AMENDMENT/TRANSFER NO. 2007-050 AND PROVIDING AN EFFECTIVE DATE** (the annual workers' compensation audit of the City's Insurance claims to premium for FY 2006, resulted in an additional premium of \$220,715. The City's adopted budget planned for this annual adjustment in workers' compensation premium; however the amount budgeted is \$108,215 less than the additional premium charged. The additional premium is a result of overtime costs associated with responding to Hurricane Wilma in October 2005. This budget amendment appropriates \$108,215 from the affected funds' beginning fund balance or other available revenues to meet this obligation. There are no new funds appropriated by this budget amendment)
- e. **RESOLUTION 07-031 APPROVING BUDGET AMENDMENT/TRANSFER NO. 2007-051 AND PROVIDING AN EFFECTIVE DATE** (to roll-forward \$353 fund balance in the SW Florida Community Foundation Grant Fund and appropriate \$1,000 of estimated royalties and \$8,000 actual contributions received during FY 2007 for expenditure of \$9,353 for grants and aids. This fund was not included in the originally adopted budget due to the uncertainty of donation receipts; therefore, this budget amendment increases the City budget by \$9,353)
- f. **RESOLUTION 07-032 AUTHORIZING THE CITY MANAGER TO WRITE-OFF CERTAIN CHECKS RETURNED FOR NON-SUFFICIENT FUNDS FROM JANUARY 1995 TO JANUARY, 2006 TOTALING \$1,733.65, DETERMINED TO BE UNCOLLECTIBLE; AND PROVIDING AN EFFECTIVE DATE**
- g. **RESOLUTION 07-033 APPROVING BUDGET AMENDMENT/TRANSFER NO. 2007-053 AND PROVIDING AN EFFECTIVE DATE** (to allocate funds from the following funds' Reserves for Compensation Adjustment to the respective departmental salary and FICA line items pursuant to union negotiations and performance evaluations of current personnel. General Fund (\$257,416), Weigh Station Fund (\$899), Ball Park Maintenance Fund (\$3,173), Sewer Fund (\$29,497) and Beach Parking Fund (\$3,764). There is no affect on the overall City budget by this amendment)
- h. Acceptance of an Amendment to the Frequency Reconfiguration Agreement between Nextel and the City of Sanibel and authorize the City Manager to execute same

- i. Approval of a draft RFP for professional services to update the City of Sanibel's 1985 Economic Analysis

11. **OLD BUSINESS**

a. Recreation Issues

- 1. Status Report on Recreation Center Construction Project (3840 Sanibel-Captiva Road)
  - a. Staff Status Report
  - b. Presentation by Construction Manager Peter Brown and Architect Henry Woodroffe
  - c. Draft program for the "Topping Out Ceremony" March 08, 2007 at 9:00 a. m

b. Water Quality Issues

- 1. Beach Status
  - a. Current Beach conditions and follow-up
  - b. Report from Natural Resources Department
- 2. Staff Reports
- 3. Meeting Reports
  - a. Attendance at the Everglades Oversight Committee meeting Friday, February 23<sup>rd</sup> at Florida Gulf Coast University (FGCU) (Councilman Jennings)

**LUNCH 12:00 to 1:30 P. M. THE LUNCH BREAK MAY BE RE-SCHEDULED  
ITEMS SHOWN AFTER LUNCH MAY BE  
DISCUSSED PRIOR TO THE LUNCH BREAK  
UNLESS LISTED TO BE HEARD AT A SPECIFIC  
LISTED TIME**

2:00 p.m. 12. **PRESENTATION(S)**

- a. Presentation by Dr. Brian LaPointe regarding water quality and algae

13. **CITY MANAGER**

- a. Informational Items
  - 1. Request by Lee County to Tourist Development Council to develop a fishing pier from the remaining Causeway structure contiguous to Sanibel
  - 2. Temporary City Council Liaison for Vegetation Committee Meeting, Thursday, March 08, at 1:30 p.m., and CHR Meeting Monday, March 12, 2007 at 7:00 p.m.
  - 3. Legislative Alert from the Florida League of Cities regarding Action Plan on Property Tax Reform

4. Flat Screen Theft Press Release
5. Recommendation to adopt a resolution expressing Appreciation and Support to J. N. "Ding Darling" Wildlife Refuge for siting a temporary concrete batch processing facility

14. **CITY ATTORNEY'S REPORT**

15. **COUNCILMEMBERS' REPORT**

16. **PUBLIC COMMENT**

17. **ADJOURNMENT**

IF A PERSON DECIDES TO APPEAL A DECISION MADE BY THE COUNCIL ON ANY MATTER CONSIDERED AT THIS MEETING/HEARING, SUCH PERSON MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, TO INCLUDE THE TESTIMONY AND EVIDENCE UPON WHICH ANY SUCH APPEAL IS TO BE BASED.

IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT, PERSONS NEEDING A SPECIAL ACCOMMODATION TO PARTICIPATE IN THIS PROCEEDING SHOULD CONTACT JIM ISOM, DIRECTOR OF ADMINISTRATIVE SERVICES NO LATER THAN ONE DAY PRIOR TO THE PROCEEDINGS AT (239) 472-3700. FOR ASSISTANCE IF HEARING IMPAIRED, TELEPHONE THE FLORIDA RELAY SERVICE AT 711.

Citizens may request to receive Sanibel City Council and Planning Commission meeting agenda directly via e-mail. Citizens wishing to receive a copy of the agenda via e-mail may do so by visiting the City's website at [www.mysanibel.com](http://www.mysanibel.com) Additionally, citizens may register to receive City announcements such as press releases.

Prior to requesting the agendas, the website reminds citizens that all e-mail addresses and requests submitted to the City are public information and governed by the applicable Florida Statute.

## **HORIZON – UPCOMING IMPORTANT DATES**

Thursday	March 08, 2007	Tree Topping Ceremony	Recreation Center	9:00 a. m.
Tuesday	March 20, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Thursday	March 22, 2007	Volunteer Luncheon	SCA	11:30 a. m. to 1:00 p.m.
Tuesday	April 03, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	April 17, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	May 01, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	May 01, 2007	Special City Council Election		7:00 a. m. to 7:00 p. m.
Wednesday	May 02, 2007	New Councilmember Orientation	MacKenzie Hall	1:00 to 3:30 p.m.
Tuesday	May 15, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Monday	May 28, 2007	City Hall Closed in Observance of Memorial Day		
Tuesday	June 05, 2007	City Council Meeting	MacKenzie Hall	9:00 a.m.
Tuesday	June 19, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	July 03, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Wednesday	July 04, 2007	Independence Day – City Hall Closed		
Wednesday	July 04, 2007	Independence Day Fireworks Celebration		DUSK
Tuesday	July 17, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
		Proposed Millage Rate set		
Tuesday	August 07, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	August 21, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Monday	September 03, 2007	City Hall Closed in Observance of Labor Day		
Tuesday	September 04, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Saturday	September 08, 2007	First Budget Hearing	MacKenzie Hall	9:00 a. m.
Tuesday	September 18, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	September 18, 2007	Final Budget Hearing	MacKenzie Hall	5:01 p. m.
Tuesday	October 02, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.

## **HORIZON – UPCOMING IMPORTANT DATES**

Tuesday	October 16, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	November 06, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Sunday	November 11, 2007	Veterans Day		
Monday	November 12, 2007	City Hall Closed in Observance of Veterans Day		
Tuesday	November 20, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	December 04, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Thursday	December 06, 2007	Employee Appreciation Luncheon Casa Ybel		11:30 a. m.
Tuesday	December 18, 2007	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	December 25, 2007	City Hall Closed in Observance of Christmas Day		
Tuesday	January 01, 2008	City Hall Closed in Observance of New Year's Day		
Monday	January 14, 2008	City Hall Closed in Observance of Martin Luther King Birthday		
Tuesday	January 15, 2008	City Council Meeting	MacKenzie Hall	9:00 p. m.
Tuesday	February 05, 2008	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	February 19, 2008	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	March 04, 2008	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	March 18, 2008	City Council Meeting	MacKenzie Hall	9:00 a. m.
Thursday	March 20, 2008	Volunteer Luncheon	SCA	11:00 a. m. to 1:30 p. m.
Tuesday	April 01, 2008	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	April 15, 2008	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	May 06, 2008	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday Monday	May 20, 2008 May 26, 2008	City Council Meeting City Hall Closed in Observance of Memorial Day	MacKenzie Hall	9:00 a. m.
Tuesday,	June 03, 2008	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	June 17, 2008	City Council Meeting	MacKenzie Hall	9:00 a. m.
Tuesday	July 01, 2008	City Council Meeting	MacKenzie Hall	9:00 a. m.
Friday	July 04, 2008	City Hall Closed in Observance of Independence Day		

## Sanibel City Council

### “RULES OF CIVILITY FOR PUBLIC PARTICIPATION”

In recognition that public discourse is essential to the democratic system of government on April 16, 2002, Sanibel City Council adopted a Proclamation embracing civility in public deliberations.

Therefore, Sanibel City Council sanctioned these rules for public participation while conducting meetings and workshops:

1. Speakers are permitted to deliver his or her comments without interruption.
2. Speakers and debates should focus on issues, not on persons or personalities.
3. Persons are encouraged to participate in the governmental process.
4. To allow time to hear all points of view, speakers are allotted 5 minutes each time they are recognized.
5. Sidebar discussions while others are speaking are not permitted in Council Chambers. These discussions are to be removed from the chamber so as not to be disruptive to those conducting and following Council business.
6. Only the speaker recognized by the Chairperson has the floor. Speakers should raise their hand to be recognized. Speakers should identify themselves for the record. Speakers should utilize the microphone so that their comments can be recorded.
7. Everyone wishing to speak on an issue is given an opportunity to speak before speakers are recognized for an opportunity to speak a second time on an issue.
8. We seek to understand one another's points of view.
9. Anger, rudeness, ridicule, impatience and lack of respect for others are not acceptable behavior. Demonstrations in support or opposition to a speaker or idea such as clapping, cheering, booing or hissing or intimidating body language are not permitted in Council Chambers or workshop facilities.
10. We should all take initiative to make things better. Our goal is to foster an environment, which encourages a fair discussion and exchange of ideas without fear of personal attacks.

# **Beach and Nearshore Algae Monitoring Proposals**

## **City of Sanibel**

### **DRAFT REQUEST FOR PROPOSALS AND QUALIFICATIONS** **FISCAL YEAR 2007**

#### **PROPOSALS MUST BE RECEIVED BY** **XXXXX XX, 2007**

The City of Sanibel is a municipality in the County of Lee, located in southwest Florida. Additional information is available on the City's website at: [www.mysanibel.com](http://www.mysanibel.com)

#### **WE ARE SEEKING PROPOSALS ON THE FOLLOWING:**

Biological Research that provides:

- On beach and nearshore monitoring of drift algae species on Sanibel Island beaches:
- Data to be collected and analyzed includes on-beach algae volume, distribution by volume and location on Sanibel, and condition (live, dead, decaying, skeletal, etc.) on the beach and in the visible off-shore Gulf of Mexico; species composition and the effect of tides, lunar phase, wind direction, season, etc. on those variables. Biological transects and sampling of algae including laboratory analyses are anticipated as part of the proposals.
- Information on the potential health threat to humans on the beach from human pathogens present in the decaying algae in the beach and in the nearshore waters where bathers might come in direct contact with decaying algae while swimming.
- Wildlife and intertidal organism interaction with algae wrack on beach including that with shorebirds and sea turtles and potential affects of large masses of the algae including habitat degradation and oxygen levels in sub-surface sediments for sand dwelling invertebrates including mole crabs, ghost crabs and coquinas.

Project Description:

Background:

Over the past few years Sanibel Island has experienced an unprecedented explosion in drift algal biomass in the inshore, nearshore, and offshore waters surrounding the island. Recent studies attribute the increase in algal abundance on escalating coastal eutrophication in local waters (Lapointe and Bedford, 2007). Sanibel has a history of not clearing or raking beach flotsam, either by hand or mechanically, to conserve the

beaches in their natural condition. This leaves the world famous shells in place, allows for undisturbed nesting by shorebirds and sea turtles and conserves all other natural beach systems including the dunes. The red drift algae and its affects on Sanibel beaches threaten this conservation policy. In an effort to learn more about the abundance and distribution of drift algae, the City of Sanibel is seeking proposals and research qualifications to conduct algal research in the nearshore and offshore waters of Sanibel Island.

Note: The proposing principal investigator is encouraged to use their experience and expertise in proposing the best methodology to achieve the stated research objectives.

#### The Project:

The City seeks detailed on and offshore information on the causes, impacts and distribution of this macroalgae bloom. This request for proposals and qualifications requires that data on the volume and distribution of algae present on Sanibel beaches be tracked over time to determine correlations, if any, with season, tide, wind direction, lunar phase and potentially other variables as proposed by the lead investigators. Volume, condition, and distribution both on the beach (in nearshore waters, intertidal areas, above Mean High Water line, on open sandy beach, etc.), and on all different beaches on Sanibel (east, middle, west end), will be the major dependent variables for this portion of the study.

Little is known about the potential for adverse affects of this algae bloom on human health. Algae deposits and nearshore accumulations of algae will be tested on at least a monthly basis for the presence of indicator species and human pathogens. In addition, research on human respiratory side effects from inhalation of the gaseous fumes emitted by the decaying algae is sought.

Information is required to determine the effects, both positive and negative, of the presence of red drift algae on the beach and in nearshore waters on the habitat and behaviors of shorebirds, sea turtles and beach invertebrates. Use of the drift algae as foraging areas by shorebirds will be recorded as will the impact of large masses of decaying algae on their normal resting and reproductive behaviors. Impacts, if any, of the algae on nesting sea turtles including individual behaviors and overall seasonal success of nesting females is sought. Nesting adults and hatchlings will be studied as permitted by the State and Federal regulatory agencies in terms of the reptiles' ability to travel over masses of algae both onto the beach (nesting females) and into the Gulf from the nest (nesting females and hatchlings). The successful research entity will be expected to coordinate with the regulatory agencies and with the Sanibel-Captiva Conservation Foundation in order to minimize to insignificant as possible the negative impacts of the study on the research subjects. The effects of large masses of the algae on the habitats of sand-dwelling invertebrates including ghost crabs, mole crabs and coquinas will be investigated including any effects on sub-surface oxygen availability.

#### References Cited

Lapointe, B.E. and B.J. Bedford. In Press. Drift Rhodophyte Blooms Emerge in Lee County, Florida, USA: Evidence of Escalating Coastal Eutrophication.

### **MANDATORY QUALIFICATION REQUIREMENTS:**

- Proposals must be submitted digitally, preferably via email in Word for Windows format.
- Proposals, excluding attachments, must not exceed five pages in length.
- Attach a summary of the qualifications (including c.v.) of each principal investigator including education, work and research experience, and a list of similar projects completed.
- Proposals that require federal, state, or local, authorization, such as permits, or permission to access or conduct activities on public and submerged lands, must demonstrate that they do or will have the authorizations necessary to complete the project.

### **PROPOSAL FORMAT:**

#### **Project Title:**

**Principal Investigator(s):** Name/Affiliation, mailing address, phone, fax, and email address.

**Project Location:** Provide a detailed description, a map of the project area, referencing regulatory authorization, as necessary. Maps must show where the proposed project will occur in relation to Sanibel Island and the rest of the southwest Florida coastline

#### **Objectives:**

**Study Design:** Provide as much detail as possible, including how the project objectives will be completed, methodology, type of raw data to be collected, how it will be analyzed, summarized and reported.

**Deliverables:** Clearly specify all deliverables to be provided.

#### **Cooperators/Partners:**

**Timeline with Milestones:** Project timeline will be one year from project initiation.

**Project Cost/Budget Breakdown:** Provide an itemized budget, including all indirect or overhead costs; identify funding from other sources and matching funds if applicable including in-kind matching funds and clearly indicate the amount of funding being requested from the City of Sanibel and/or its partners per year.

#### **Literature Cited:**

### **EVALUATION AND AWARD PROCESS:**

Proposals will be evaluated and ranked by the City of Sanibel. Projects will be evaluated on their scientific merit, anticipated efficacy in providing successful project completion, required deliverables, and cost. We recommend minimizing overhead, indirect costs, and other expenses that will not contribute directly to accomplishing project objectives. We will contact the principal investigators to obtain additional details regarding their proposal if needed.

We do not have an approved budget for this project but anticipate full funding from a combination of local, state and federal sources.

### **DELIVERABLES:**

Upon accepting a particular proposal, we will require:

1. Interim (at least quarterly) and final reports on project progress in accord with defined timelines. Interim reports should include a summary of progress, methodology, results to date and interim discussion on findings. Final reports shall be in the standard form of scientific reporting including an abstract, project description, methodology, results, discussion, conclusions and literature cited.
2. Provision of all raw and summary data, including spatial data, digital data, maps, and photographs. We request that all manuscripts for publication that result from funded projects be submitted for review to our office prior to submission to a peer-reviewed journal or release to the press. Additionally, we request that City of Sanibel funding or participation is acknowledged in any publication or presentation of project results.
3. An executive summary in plain English and not scientific jargon for release to the public at the completion of the project.
4. Quarterly presentations to City Council and a final report at a regularly scheduled City Council meeting including the executive summary in writing and a detailed power-point presentation understandable by the lay person.

### **PROPOSAL SUBMISSION:**

Submit proposals in digital form (on a cd in Word for Windows format) to: The City of Sanibel Department of Natural Resources, 800 Dunlop Rd., Sanibel, Florida 33957; or preferably by e-mail to: [James.Evans@mysanibel.com](mailto:James.Evans@mysanibel.com)

Questions concerning proposals can be directed to: Rob Loflin, James Evans or Holly Downing of the Natural Resources Department at #(239) 472-3700.

# **Offshore Algal Monitoring Proposals**

## **City of Sanibel**

### **DRAFT REQUEST FOR PROPOSALS AND QUALIFICATIONS FISCAL YEAR 2007**

#### **PROPOSALS MUST BE RECEIVED BY XXXXX XX, 2007**

The City of Sanibel is a municipality in the County of Lee, located in southwest Florida. Additional information is available on the City's website at: [www.mysanibel.com](http://www.mysanibel.com)

#### **WE ARE SEEKING PROPOSALS ON THE FOLLOWING:**

Biological Research that provides:

- Data on the spatial and temporal distribution of drift algae biomass in the nearshore and offshore waters of Sanibel Island and Fort Myers Beach
- Information on drift algal species composition and their relative distribution
- Detail on the growth cycles of the various drift algal species present in the nearshore and offshore environments and the variables that limit their growth and distribution
- Insight into the relationships that may exist between parchment worms (*Polychaete sp.*) and algal biomass
- Information on the fate of algae when it breaks free of the sea floor and whether or not it continues to grow and reproduce following detachment

Project Description:

Background:

Over the past few years Sanibel Island has experienced an unprecedented explosion in drift algal biomass in the inshore, nearshore, and offshore waters surrounding the island. Recent studies attribute the increase in algal abundance on escalating coastal eutrophication in local waters (Lapointe and Bedford, In Press). Sanibel has a history of not clearing or raking beach flotsam, either by hand or mechanically, to conserve the beaches in their natural condition. This leaves the world famous shells in place, allows for undisturbed nesting by shorebirds and sea turtles and conserves all other natural beach systems including the dunes. The red drift algae and its affects on Sanibel beaches threaten this conservation policy. In an effort to learn more about the abundance and

distribution of drift algae, the City of Sanibel is seeking proposals and research qualifications to conduct algal research in the nearshore and offshore waters of Sanibel Island.

Note: The proposing principal investigator is encouraged to use their experience and expertise in proposing the best methodology to achieve the stated research objectives.

#### The Project:

The City seeks detailed information on the spatial and temporal distribution of drift algae biomass including species composition and relative abundance by species. The project should also include detail on where the majority of the algae are occurring, the growth cycles of various drift algal species and information on variables limiting their growth rates including such things as light, macro and micro nutrients, trophic relationships, and whether or not parchment worms (*Polychaete sp.*) play a roll in algae abundance and nutrient cycling. In addition, we would also like to determine what is happening to the drift algae following detachment from the sea floor and if it continues to grow and reproduce in the water column prior to washing up on local beaches.

Data may be obtained by various survey techniques including, but not limited, aerial surveys, transects using towable underwater cameras or scuba divers and acoustic seafloor classification. There should be some method of ground-truthing to validate aerial or acoustic monitoring.

The area of concern is the nearshore and offshore waters of the island extending from Captiva Island to Fort Myers Beach and extending well offshore. The extent of the study area will be determined by the investigator during their initial survey.

Information is needed to gain insight to the extent and distribution of the algae and to help policy makers come up with solutions to address the problem. Data will also provide insight into what measures can be taken to minimize impacts to the island's tourism based economy.

#### References Cited

Lapointe, B.E. and B.J. Bedford. In Press. Drift Rhodophyte Blooms Emerge in Lee County, Florida, USA: Evidence of Escalating Coastal Eutrophication.

#### **MANDATORY QUALIFICATION REQUIREMENTS:**

- Proposals must be submitted digitally, preferably via email in Word for Windows format.
- Proposals, excluding attachments, must not exceed five pages in length.
- Attach a summary of the qualifications (including c.v.) of each principal investigator including education, work and research experience, and a list of similar projects completed.
- Proposals that require federal, state, or local, authorization, such as permits, or

permission to access or conduct activities on public and submerged lands, must demonstrate that they do or will have the authorizations necessary to complete the project.

### **PROPOSAL FORMAT:**

**Project Title:**

**Principal Investigator(s):** Name/Affiliation, mailing address, phone, fax, and email address.

**Project Location:** Provide a detailed description, a map of the project area, referencing regulatory authorization, as necessary. Maps must show where the proposed project will occur in relation to Sanibel Island and the rest of the southwest Florida coastline

**Objectives:**

**Study Design:** Provide as much detail as possible, including how the project objectives will be completed, methodology, type of raw data to be collected, how it will be analyzed, summarized and reported.

**Deliverables:** Clearly specify all deliverables to be provided.

**Cooperators/Partners:**

**Timeline with Milestones:** Project timeline will be one year from project initiation.

**Project Cost/Budget Breakdown:** Provide an itemized budget, including all indirect or overhead costs; identify funding from other sources and matching funds if applicable including in-kind matching funds and clearly indicate the amount of funding being requested from the City of Sanibel and/or its partners per year.

**Literature Cited:**

### **EVALUATION AND AWARD PROCESS:**

Proposals will be evaluated and ranked by the City of Sanibel. Projects will be evaluated on their scientific merit, anticipated efficacy in providing successful project completion, required deliverables, and cost. We recommend minimizing overhead, indirect costs, and other expenses that will not contribute directly to accomplishing project objectives. We will contact the principal investigators to obtain additional details regarding their proposal if needed.

We do not have an approved budget for this project but anticipate full funding from a combination of local, state and federal sources.

### **DELIVERABLES:**

Upon accepting a particular proposal, we will require:

1. Interim (at least quarterly) and final reports on project progress in accord with defined timelines. Interim reports should include a summary of progress, methodology, results to date and interim discussion on findings. Final reports shall be in the standard form of scientific reporting including an abstract, project description, methodology, results, discussion, conclusions and literature cited.
2. Provision of all raw and summary data, including spatial data, digital data, maps,

and photographs. We request that all manuscripts for publication that result from funded projects be submitted for review to our office prior to submission to a peer-reviewed journal or release to the press. Additionally, we request that City of Sanibel funding or participation is acknowledged in any publication or presentation of project results.

3. An executive summary in plain English and not scientific jargon for release to the public at the completion of the project.
4. Quarterly presentations to City Council and a final report at a regularly scheduled City Council meeting including the executive summary in writing and a detailed power-point presentation understandable by the lay person.

**PROPOSAL SUBMISSION:**

Submit proposals in digital form (on a cd in Word for Windows format) to: The City of Sanibel Department of Natural Resources, 800 Dunlop Rd., Sanibel, Florida 33957; or preferably by e-mail to: [James.Evans@mysanibel.com](mailto:James.Evans@mysanibel.com)

Questions concerning proposals can be directed to: Rob Loflin, James Evans or Holly Downing of the Natural Resources Department at #(239) 472-3700.

## **Algae Clean-up Proposals**

### **City of Sanibel**

#### **DRAFT REQUEST FOR PROPOSALS AND QUALIFICATIONS** **FISCAL YEAR 2007**

#### **PROPOSALS MUST BE RECEIVED BY** **XXXXX XX, 2007**

The City of Sanibel is a municipality in the County of Lee, located in southwest Florida. Additional information is available on the City's website at: [www.mysanibel.com](http://www.mysanibel.com)

#### **WE ARE SEEKING PROPOSALS ON THE FOLLOWING:**

##### **Mechanical Algae Removal Equipment and Techniques:**

- Details and specifications of mechanical algae removal equipment and/or techniques capable of collecting wet drift algae from Sanibel beaches, or the Gulf of Mexico prior to it reaching the beaches.
- Proposals that specify a beneficial use for the collected algae such as for residential or agricultural compost.

##### **Project Description:**

##### **Background:**

Over the past few years Sanibel Island has experienced an unprecedented explosion in drift algal biomass in the inshore, nearshore, and offshore waters surrounding the island. Recent studies attribute the increase in algal abundance on escalating coastal nutrient pollution in local waters. Sanibel has a history of not clearing or raking beach flotsam, either by hand or mechanically, to conserve the beaches in their natural condition. This leaves the world famous shells in place, allows for undisturbed nesting by shorebirds and sea turtles and conserves all other natural beach systems including the dunes. The red drift algae and its effects on Sanibel beaches threaten this conservation policy. In an effort to learn more about the available environmentally sensitive methods for algae collection and disposal, project proposals are sought for evaluation.

**Note:** The proposing contractor is encouraged to use their experience and expertise in proposing the best methodology to achieve the objectives of algae removal and disposal from the beach or the open Gulf of Mexico in an environmentally sensitive manner.

##### **The Project:**

Sanibel seeks information and specifications regarding any and all mechanical equipment, including heavy equipment, that is designed to clear beaches or open ocean of drift algae in an environmentally sensitive manner. Examples of such equipment might include: specially designed loaders, rakes, sifters, or, for offshore use, boats, barges, wheel loaders, hydraulic dredging equipment, trawl nets, filter screens, etc. For use on soft sandy beaches, low ground weight equipment that can operate with a minimum of disturbance of the beach surface is essential. For offshore algae removal, equipment must minimize impact to marine biological resources including fish, birds and sea turtles. Equipment and boats should not leak hydraulic fluid, fuel or other contaminants. Proposals should include complete methods and techniques for collection, drying, loading, truck and equipment travel down the beach as required, hauling and disposal of algae.

Beneficial uses for the dried or composted algae as an alternative to disposal in an incinerator or on a landfill are sought. This may include use as a compost for residential or agricultural use or other productive use.

**MANDATORY QUALIFICATION REQUIREMENTS:**

- Proposals, excluding attachments, must not exceed five pages in length. Design specifications of the equipment or photographs of operations in progress are requested if available.
- Attach a summary of the qualifications (including c.v. if available) of all primary and secondary contractors involved in the proposal including work experience, a list of similar projects completed, and references.
- Proposals that require federal, state, or local, authorization, such as permits, or permission to access or conduct activities on public and submerged lands, must demonstrate that they do or will have the authorizations necessary to complete the project.

**PROPOSAL FORMAT:**

All proposers must completely fill out and submit a Red Drift Algae Management Proposal Form:

**CITY OF SANIBEL**

**RED DRIFT ALGAE MANAGEMENT PROPOSAL**

**COMPANY NAME:** \_\_\_\_\_

**COMPANY ADDRESS:** \_\_\_\_\_

**CONTACT NAME/TITLE:** \_\_\_\_\_

**WORK PHONE #:** ( \_\_\_\_\_ ) \_\_\_\_\_



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Sand penetration for each piece of equipment. Attach additional sheets, if necessary.

EQUIPMENT

SAND PENETRATION

<hr/>	<hr/>

Name of Insurance Carrier(s): \_\_\_\_\_

Value of Insurance Policies: \_\_\_\_\_

Worker's Compensation Certificate Number: \_\_\_\_\_

Where will equipment be stored when not in use on beach? \_\_\_\_\_

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Describe in detail, the provisions to protect against hydraulic fuel leaks and spills on the beaches and at beach accesses: \_\_\_\_\_

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Describe in detail, plans for equipment refueling, including locations, protection, containment and permits \_\_\_\_\_

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Describe in detail, plans and timeline to remove algae from the City limits, including means of transportation and final disposal \_\_\_\_\_

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List a location where this operation can currently be observed: \_\_\_\_\_

Lead-time for demonstration? \_\_\_\_\_

What is the Timeline from Notice to Proceed to Commencement of Red Algae Removal? \_

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Mobilization Cost (Flat Rate) If applicable: \_\_\_\_\_

Hourly standby cost, if applicable: \_\_\_\_\_  
(If mobilized and algae has dissipated)

Total proposal cost (Including algae removal, insurance coverage, beach & environmental protection, all transportation and off-island disposal, equipment and labor:

\$ \_\_\_\_\_

Please attach cut sheets, photos and videos of equipment and or proposal.

**EVALUATION AND AWARD PROCESS:**

Proposals will be evaluated and ranked by the City of Sanibel. Projects will be reviewed based on their potential to provide a successful outcome in an environmentally sensitive manner; and cost. We recommend minimizing overhead, indirect costs, and other expenses that will not contribute directly to accomplishing project objectives. We will contact the principal contractors to obtain additional details regarding their proposal if needed.

We do not have an approved budget for this project but anticipate full funding from a

combination of local, state and federal sources.

**PROPOSAL SUBMISSION:**

Submit proposals in digital form by e-mail to: [James.Evans@mysanibel.com](mailto:James.Evans@mysanibel.com)

Questions concerning proposals can be directed to: Rob Loflin, James Evans or Holly Downing of the Natural Resources Department at #(239) 472-3700.

The City of Sanibel, Department of Natural Resources, 800 Dunlop Rd., Sanibel, Florida 33957

# **Algae Nutrient Cycling Proposals**

## **City of Sanibel**

### **DRAFT REQUEST FOR PROPOSALS AND QUALIFICATIONS** **FISCAL YEAR 2007**

#### **PROPOSALS MUST BE RECEIVED BY** **XXXXX XX, 2007**

The City of Sanibel is a municipality in the County of Lee, located in southwest Florida. Additional information is available on the City's website at: [www.mysanibel.com](http://www.mysanibel.com)

#### **WE ARE SEEKING PROPOSALS ON THE FOLLOWING:**

Biological Research that provides:

- On beach and nearshore monitoring of drift algae species and nutrient cycling on Sanibel Island beaches:
- Information on the environmental fate of nutrients in the algae on the beaches including nitrogen and phosphorus. These nutrients may be dispersed gaseously via decomposition related ammonia releases, adsorbed by sediments in the form of particulates, potentially returned directly to Gulf waters by being washed back off the beaches, or cycled by some unknown mechanism.

Project Description:

Background:

Over the past few years Sanibel Island has experienced an unprecedented explosion in drift algal biomass in the inshore, nearshore, and offshore waters surrounding the island. Recent studies attribute the increase in algal abundance on escalating coastal eutrophication in local waters (Lapointe and Bedford, 2007). Sanibel has a history of not clearing or raking beach flotsam, either by hand or mechanically, to conserve the beaches in their natural condition. This leaves the world famous shells in place, allows for undisturbed nesting by shorebirds and sea turtles and conserves all other natural beach systems including the dunes. The red drift algae and its affects on Sanibel beaches threaten this conservation policy. In an effort to learn more about the abundance and distribution of drift algae, the City of Sanibel is seeking proposals and research qualifications to conduct algal research in the nearshore and offshore waters of Sanibel Island.

Note: The proposing principal investigator is encouraged to use their experience and expertise in proposing the best methodology to achieve the stated research objectives.

#### The Project:

Details of how nutrients are cycled in the algae on the beaches is important in determining what role the beach itself has in the overall nitrogen and phosphorus budget of nearshore waters. This in turn provides guidance on whether removal of this algae biomass from the beach is important in removing nutrients from the system. The algae is deposited in sequences over time by the vagaries of tide, wind direction and currents, which generally results in algae being present on the beach in a range of conditions (wet and alive, wet and decaying, dry and decaying and dry and skeletal). By comparing the nutrient content of these different algae components on the beach, data on the environmental fate of the algae nutrients, both on the beach and in nearshore waters can be obtained. Proposals should include research on the gaseous component of algae decomposition, sediment particulates and details of the decomposition cycle both on the beach and in the intertidal and nearshore waters. Data should be collected both from combined algal wrack including all species, and subsets including the individual species separately.

#### References Cited

Lapointe, B.E. and B.J. Bedford. In Press. Drift Rhodophyte Blooms Emerge in Lee County, Florida, USA: Evidence of Escalating Coastal Eutrophication.

#### **MANDATORY QUALIFICATION REQUIREMENTS:**

- Proposals must be submitted digitally, preferably via email in Word for Windows format.
- Proposals, excluding attachments, must not exceed five pages in length.
- Attach a summary of the qualifications (including c.v.) of each principal investigator including education, work and research experience, and a list of similar projects completed.
- Proposals that require federal, state, or local, authorization, such as permits, or permission to access or conduct activities on public and submerged lands, must demonstrate that they do or will have the authorizations necessary to complete the project.

#### **PROPOSAL FORMAT:**

**Project Title:**

**Principal Investigator(s):** Name/Affiliation, mailing address, phone, fax, and email address.

**Project Location:** Provide a detailed description, a map of the project area, referencing regulatory authorization, as necessary. Maps must show where the proposed project will occur in relation to Sanibel Island and the rest of the southwest Florida coastline

**Objectives:**

**Study Design:** Provide as much detail as possible, including how the project objectives will be completed, methodology, type of raw data to be collected, how it will be analyzed, summarized and reported.

**Deliverables:** Clearly specify all deliverables to be provided.

**Cooperators/Partners:**

**Timeline with Milestones:** Project timeline will be one year from project initiation.

**Project Cost/Budget Breakdown:** Provide an itemized budget, including all indirect or overhead costs; identify funding from other sources and matching funds if applicable including in-kind matching funds and clearly indicate the amount of funding being requested from the City of Sanibel and/or its partners per year.

**Literature Cited:**

#### **EVALUATION AND AWARD PROCESS:**

Proposals will be evaluated and ranked by the City of Sanibel. Projects will be evaluated on their scientific merit, anticipated efficacy in providing successful project completion, required deliverables, and cost. We recommend minimizing overhead, indirect costs, and other expenses that will not contribute directly to accomplishing project objectives. We will contact the principal investigators to obtain additional details regarding their proposal if needed.

We do not have an approved budget for this project but anticipate full funding from a combination of local, state and federal sources.

#### **DELIVERABLES:**

Upon accepting a particular proposal, we will require:

1. Interim (at least quarterly) and final reports on project progress in accord with defined timelines. Interim reports should include a summary of progress, methodology, results to date and interim discussion on findings. Final reports shall be in the standard form of scientific reporting including an abstract, project description, methodology, results, discussion, conclusions and literature cited.
2. Provision of all raw and summary data, including spatial data, digital data, maps, and photographs. We request that all manuscripts for publication that result from funded projects be submitted for review to our office prior to submission to a peer-reviewed journal or release to the press. Additionally, we request that City of Sanibel funding or participation is acknowledged in any publication or presentation of project results.
3. An executive summary in plain English and not scientific jargon for release to the public at the completion of the project.

4. Quarterly presentations to City Council and a final report at a regularly scheduled City Council meeting including the executive summary in writing and a detailed power-point presentation understandable by the lay person.

**PROPOSAL SUBMISSION:**

Submit proposals in digital form (on a cd in Word for Windows format) to: The City of Sanibel Department of Natural Resources, 800 Dunlop Rd., Sanibel, Florida 33957; or preferably by e-mail to: [James.Evans@mysanibel.com](mailto:James.Evans@mysanibel.com)

Questions concerning proposals can be directed to: Rob Loflin, James Evans or Holly Downing of the Natural Resources Department at #(239) 472-3700.

# **Algal Nutrient Source Proposals**

## **City of Sanibel**

### **DRAFT REQUEST FOR PROPOSALS AND QUALIFICATIONS** **FISCAL YEAR 2007**

#### **PROPOSALS MUST BE RECEIVED BY** **XXXXX XX, 2007**

The City of Sanibel is a municipality in the County of Lee, located in southwest Florida. Additional information is available on the City's website at: [www.mysanibel.com](http://www.mysanibel.com)

#### **WE ARE SEEKING PROPOSALS ON THE FOLLOWING:**

Biological Research that provides:

- The spatial and temporal distribution of nutrients in the water column and bottom sediments of the Caloosahatchee River and estuary, and the nearshore and offshore waters of Sanibel.
  
- Data on the sources of nutrients, including macro and micro nutrients, in the water column and sediments that contribute to the growth of algae in the waters surrounding the island.
  
- Insight into what the impacts of high volume Lake Okeechobee releases may have on sediment nutrient concentrations and the extent of sediment deposition throughout the estuary from high level lake discharges.
  
- Information on the timing and release of nutrients available to algal growth and how different species of algae utilize these nutrients.
  
- Data on how hydrodynamic processes such as currents, wind, tidal cycles, and river flow affect the distribution and fate of nutrients in the estuary and nearshore waters of Sanibel.

Project Description:

Background:

Over the past few years Sanibel Island has experienced an unprecedented explosion in drift algal biomass in the inshore, nearshore, and offshore waters surrounding the island. Recent studies attribute the increase in algal abundance on escalating coastal eutrophication in local waters (Lapointe and Bedford, In Press). Sanibel has a history of

not clearing or raking beach flotsam, either by hand or mechanically, to conserve the beaches in their natural condition. This leaves the world famous shells in place, allows for undisturbed nesting by shorebirds and sea turtles and conserves all other natural beach systems including the dunes. The red drift algae and its affects on Sanibel beaches threaten this conservation policy. In an effort to learn more about the abundance and distribution of drift algae, the City of Sanibel is seeking proposals and research qualifications to conduct algal research in the nearshore and offshore waters of Sanibel Island.

Note: The proposing principal investigator is encouraged to use their experience and expertise in proposing the best methodology to achieve the stated research objectives.

#### The Project:

The City seeks detailed information on the spatial and temporal distribution and sources of water column and sediment nutrients and how hydrodynamic processes may affect their distribution and utilization by macroalgae.

Investigators should identify the spatial and temporal distribution of nutrients in the water column and bottom sediments of the Caloosahatchee River and estuary, and the nearshore and offshore waters of Sanibel. Data should be collected to look for any temporal and spatial trends in nutrient distribution that may exist. Research should address the effects of timing and release of nutrients within the system that may be available for algal growth and how different species of algae utilize these nutrients.

Projects should identify the origin of nutrients, including macro and micro nutrients, in the water column and sediments that contribute to the growth of algae in the waters surrounding Sanibel. Sources may include, but are not limited to, natural occurring sources, runoff from the Kissimmee watershed, Lake Okeechobee, sewer plant effluent, urban runoff, and agricultural runoff.

Data should also be collected to investigate the impacts of high volume releases from Lake Okeechobee and their effects on sediment nutrient concentrations and the extent of sediment deposition throughout the estuary and the nearshore waters of Sanibel.

Finally, research should also be conducted to evaluate how hydrodynamic processes such as currents, wind, tidal cycles, and river flow affect the distribution and fate of nutrients in the estuary and nearshore waters of Sanibel.

All research should be conducted using the best available techniques and where possible using water quality and sediment sampling techniques that are approved by the U.S. Environmental Protection Agency (EPA) and the Florida Department of Environmental Protection's (DEP) standard operating procedures for quality assurance.

The study area includes the Caloosahatchee River and estuary, and the nearshore and offshore waters of Sanibel Island (extending from Captiva Island to Fort Myers Beach).

The extent of the study area will be determined by the principle investigator during their initial survey.

Information is needed to gain insight into the distribution and sources of nutrients that are contributing to the prolific growth of algae in the waters surrounding Sanibel and to help policy makers come up with solutions to address the problem. Data will also provide insight into what measures can be taken to minimize impacts to the island's tourism based economy.

## **References Cited**

Lapointe, B.E. and B.J. Bedford. In Press. Drift Rhodophyte Blooms Emerge in Lee County, Florida, USA: Evidence of Escalating Coastal Eutrophication.

## **MANDATORY QUALIFICATION REQUIREMENTS:**

- Proposals must be submitted digitally, preferably via email in Word for Windows format.
- Proposals, excluding attachments, must not exceed five pages in length.
- Attach a summary of the qualifications (including C.V.) of each principal investigator including education, work and research experience, and a list of similar projects completed.
- Proposals that require federal, state, or local, authorization, such as permits, or permission to access or conduct activities on public and submerged lands, must demonstrate that they do or will have the authorizations necessary to complete the project.

## **PROPOSAL FORMAT:**

### **Project Title:**

**Principal Investigator(s):** Name/Affiliation, mailing address, phone, fax, and email address.

**Project Location:** Provide a detailed description, a map of the project area, referencing regulatory authorization, as necessary. Maps must show where the proposed project will occur in relation to Sanibel Island and the rest of the southwest Florida coastline

### **Objectives:**

**Study Design:** Provide as much detail as possible, including how the project objectives will be completed, methodology, type of raw data to be collected, how it will be analyzed, summarized and reported.

**Deliverables:** Clearly specify all deliverables to be provided.

### **Cooperators/Partners:**

**Timeline with Milestones:** Project timeline will be one year from project initiation.

**Project Cost/Budget Breakdown:** Provide an itemized budget, including all indirect or overhead costs; identify funding from other sources and matching funds if applicable including in-kind matching funds and clearly indicate the amount of funding being requested from the City of Sanibel and/or its partners per year.

## **Literature Cited:**

### **EVALUATION AND AWARD PROCESS:**

Proposals will be evaluated and ranked by the City of Sanibel. Projects will be evaluated on their scientific merit, anticipated efficacy in providing successful project completion, required deliverables, and cost. We recommend minimizing overhead, indirect costs, and other expenses that will not contribute directly to accomplishing project objectives. We will contact the principal investigators to obtain additional details regarding their proposal if needed.

We do not have an approved budget for this project but anticipate full funding from a combination of local, state and federal sources.

### **DELIVERABLES:**

Upon accepting a particular proposal, we will require:

1. Interim (at least quarterly) and final reports on project progress in accord with defined timelines. Interim reports should include a summary of progress, methodology, results to date and interim discussion on findings. Final reports shall be in the standard form of scientific reporting including an abstract, project description, methodology, results, discussion, conclusions and literature cited.
2. Provision of all raw and summary data, including spatial data, digital data, maps, and photographs. We request that all manuscripts for publication that result from funded projects be submitted for review to our office prior to submission to a peer-reviewed journal or release to the press. Additionally, we request that City of Sanibel funding or participation is acknowledged in any publication or presentation of project results.
3. An executive summary in plain English and not scientific jargon for release to the public at the completion of the project.
4. Quarterly presentations to City Council and a final report at a regularly scheduled City Council meeting including the executive summary in writing and a detailed power-point presentation understandable by the lay person.

### **PROPOSAL SUBMISSION:**

Submit proposals in digital form (on a cd in Word for Windows format) to: The City of Sanibel Department of Natural Resources, 800 Dunlop Rd., Sanibel, Florida 33957; or preferably by e-mail to: [James.Evans@mysanibel.com](mailto:James.Evans@mysanibel.com)

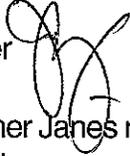
Questions concerning proposals can be directed to: Rob Loflin, James Evans or Holly Downing of the Natural Resources Department at #(239) 472-3700.



# MEMORANDUM

**DATE:** March 2, 2007

**TO:** Sanibel City Councilmembers

**FROM:** Judie Zimomra, City Manager 

**SUBJECT:** Revised letter to Commissioner Janes regarding the County's proposed Sanibel Causeway Fishing Pier

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Please find attached a revised letter with suggested changes to the Commissioner Janes letter Council will review at their March 6<sup>th</sup> Council meeting.

Thank you.

JAZ/ps

Xc: Kenneth Cuyler, City Attorney  
Pamela Smith, City Clerk

**DRAFT**

March 6, 2007

The Honorable Bob Janes  
District 1 Commissioner  
Lee Board of County Commissioners  
PO Box 398  
Fort Myers, FL 33902-0398

Dear Commissioner Janes:

Lee County and the City of Sanibel have successfully partnered over the past year on a number of premier projects, including the development of a first class recreation center and the Bowman's Beach facility. We continue to look for ways to strengthen relationships between the County and the City. It would appear to us that we have yet another opportunity, that being the county's proposal to develop a fishing pier out of a portion of the existing Sanibel Causeway, the City supports such a project. Attached is a copy of the County's pending \$1.2 million request for this project

Based on the proximity of the proposed pier to the City of Sanibel, it is likely to require certain facilities for it to be successful, such as parking, restrooms, power and possibly water. This presents another opportunity for the City of Sanibel and Lee County to again partner to develop a master plan that incorporates the new fishing pier as well as an aesthetically sensitive design for the City's existing weigh station.

Our staff will be contacting you this week to schedule a meeting with you to discuss how we can best pursue a master plan and project that best serves all the residents of Lee County. As always, we appreciate the opportunity to work together with you and your staff.

Sincerely,  
**SANIBEL CITY COUNCIL**

\_\_\_\_\_  
Carla Brooks Johnston, Mayor

\_\_\_\_\_  
Mick Denham, Vice-Mayor

\_\_\_\_\_  
Steve Brown, Councilman

\_\_\_\_\_  
Jim Jennings, Councilman

\_\_\_\_\_  
Kevin Ruane, Councilman

Xc: The Honorable Brian Bigelow, District 2 Commissioner  
The Honorable Ray Judah, District 3 Commissioner  
The Honorable Tammy Hall, District 4 Commissioner  
The Honorable Frank Mann, District 5 Commissioner  
Donald Stilwell, Lee County Manager  
Pete Winton, Lee County Deputy Manager  
John Yarborough, Lee County Parks & Recreation Director  
Paul Wingard, Deputy Director, Lee Co. Dept. of Transportation  
D.T. Minich, Director, Lee Co. Visitor & Convention Bureau  
Tamara Pigott, Dep. Director, Lee Co. Visitor & Convention Bureau  
Judith Zimomra, City Manager  
Kenneth Cuyler, City Attorney  
William Tomlinson, Chief of Police  
Gates Castle, Public Works Director/City Engineer  
Renee Lynch, Finance Director  
Robert Duffy, Planning Director  
Jim Isom, Administrative Services Director  
Helene Phillips, Recreation Director