

<b>SOLICITATION, OFFER AND AWARD</b>		1. This Contract is a Rated Order Under DPAS (15 CFR 350)	Rating	Page 1 of pages 5
2. Contract No.	3. Solicitation No. EA133C-03-RI-0003	4. Solicitation Type <input type="checkbox"/> Sealed Bid (IFB) <input checked="" type="checkbox"/> Negotiated (RFP)	5. Date Issued 03/05/2003	6. Requisition/Purchase No. NCPNP0000-3-10001
7. Issued By Department of Commerce, NOAA, EASC Norfolk Federal Building 200 Granby Street Norfolk, Virginia 23510		Code EA1330	8. Address Offer To (If other than item 7)  Code	

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

### SOLICITATION

9. Sealed offers in original and 1 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in \_\_\_\_\_ until 04:00 PM (hour) local time Mar 21, 2003 (date).

CAUTION – LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. For Information Call:	A. Name Lynne B. Phipps lbp	B. Telephone No. (include area code) (NO COLLECT CALLS) 757-441-6881
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### OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within \_\_\_\_\_ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s) within the time specified in the schedule.

13. Discount for Prompt Payment (See Section I, Clause No. 52.232-8)	10 Calendar Days	20 Calendar Days	30 Calendar Days	_____ Calendar Days
	%	%	%	%

14. Acknowledgment of Amendments <i>The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated.</i>	Amendment No.	Date	Amendment No.	Date

15A. Name and Address of Offeror	Code	Facility	16. Name and Title of Person Authorized to Sign Offer (Type or print)
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15B. Telephone No. (Include area code)	15C. Check if Remittance Address is difference from above. Enter such address in Schedule.	17. Signature	18. Offer Date
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### AWARD (To be completed by Government)

19. Accepted as to Items Numbered	20. Amount	21. Accounting and Appropriation
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22. Authority for Using Other Than Full and Open Competition: <input type="checkbox"/> 10 U.S.C. 2304 (c)( ) <input type="checkbox"/> 41 U.S.C. 253 (c)( )	23. Submit Invoices to Address Shown in (4 copies unless otherwise specified)	Item
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24. Administered By (If other than Item 7)	Code	Payment Will be Made By	Code
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26. Name of Contracting Officer (Type or print)	27. United States of America (Signature of Contracting Officer)	28. Award Date
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IMPORTANT – Award will be made on this form, or on Standard Form 26, or by other authorized official written notice.

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**Supplies or Services and Prices/Costs**

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Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
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N/A

## REQUEST FOR INFORMATION

Request for Information (RFI) from remote sensing technology companies and organizations who are using remote sensing technologies to measure water quality in the coastal zone. The information gathered from this RFI may be used to explore pilot projects that test this capability.

## DESCRIPTION/BACKGROUND

National Oceanic and Atmospheric Administration (NOAA) Coastal Services Center is issuing this RFI to determine the present state of the art and availability of remote sensing imaging technologies that can be used in an operational capacity to measure water quality. This RFI is not a Request for Proposal (RFP) but rather is an exploratory request to determine the availability of approaches to quickly accomplish the goal of collecting water quality data at an appropriate scale for state and local resource managers to use the data in support of management decisions.

State coastal management programs monitor water quality to comply with state and federal regulations. Currently, most of this monitoring is performed by sampling from small boats. The Center believes there potentially is a market for remote sensing of water quality and is interested in evaluating the current operational technology. The information gathered from this RFI may be used to contract out pilot projects that examine the capability of these technologies to help coastal managers measure water quality operationally.

The RFI seeks the following information:

1. Feasible procedures (e.g., instruments, sensors, data processing, flight parameters) to collect water quality data via remote sensing in the coastal zone
  - Water quality parameters of interest include chlorophyll concentration, turbidity, temperature, and salinity. We would like information on your ability to provide any or all of these. Absolute accuracy of retrieval is negotiable, especially to meet the needed delivery time.
  - Any remote sensing technique may be used, but must be usable operationally. Any type of algorithm may be used to retrieve water quality products from the raw instrument measurements, but must be documented and validated.
  - Horizontal resolution (pixel-size) should be no greater than 3 meters, with a horizontal location accuracy of 10 meters or less.
  - Geographic Scope: For comparison purposes, consider collecting data over an area the size of Barnegat Bay, New Jersey, approximately 250 km<sup>2</sup> (Figure 1).
  - Licensing: The Government must be free to redistribute the data in any form.
  - Data format: Negotiable, but a geographically registered image format such as a geoTIFF would be a good model to follow. At a minimum, we must be able to retrieve latitude, longitude, and water quality parameters for a specific point from the imagery.
  - The data deliverable will include raw imagery, derived products, and FGDC-compliant metadata.
2. Approximate cost information
  - Costs can be estimated on a per area basis or on a per scenario basis.
3. Approximate data turn-around time
  - Water quality data products are desired within 24 hours of collection.
4. Operational considerations
  - The feasibility of implementing an operational water quality monitoring program from these technologies will be explored.

## CONCEPT PAPER FORMAT

Following is a suggested outline for a response to this RFI. This outline is intended to minimize the effort of the respondent and structure the responses for ease of analysis. The concept paper should be no more than 10 pages in length, not counting Section 7, Supporting Documentation.

### Section 1: Summary of Project/Company Expertise

Briefly describe your company, your products and services, history, etc.

In particular, please describe any projects you have been involved in that are similar in concept to what is described in this RFI.

### Section 2: Sensor Specifications

Describe the instrument that will be used to collect the data. Provide specifications such as wavelength, field of view, spatial and spectral resolution.

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### Section 3: Data Algorithms

Describe the methodology for estimating parameters (such as chlorophyll) from the raw data and the accuracy with which they can be estimated.

### Section 4: Data Products

Describe the format and approximate delivery time of data.

### Section 5: Cost and Schedule Estimates

Provide cost estimates for data collection of this type of imagery and the breakdown of cost savings for areas of a certain size. Provide estimate of time it requires to collect the data, process the data, and put the data in the clients' hands. Also, discuss any cost drivers, cost tradeoffs, and schedule considerations that would need to be considered for operational data collection.

### Section 6: Contact Information

### Section 7: Supporting Documentation

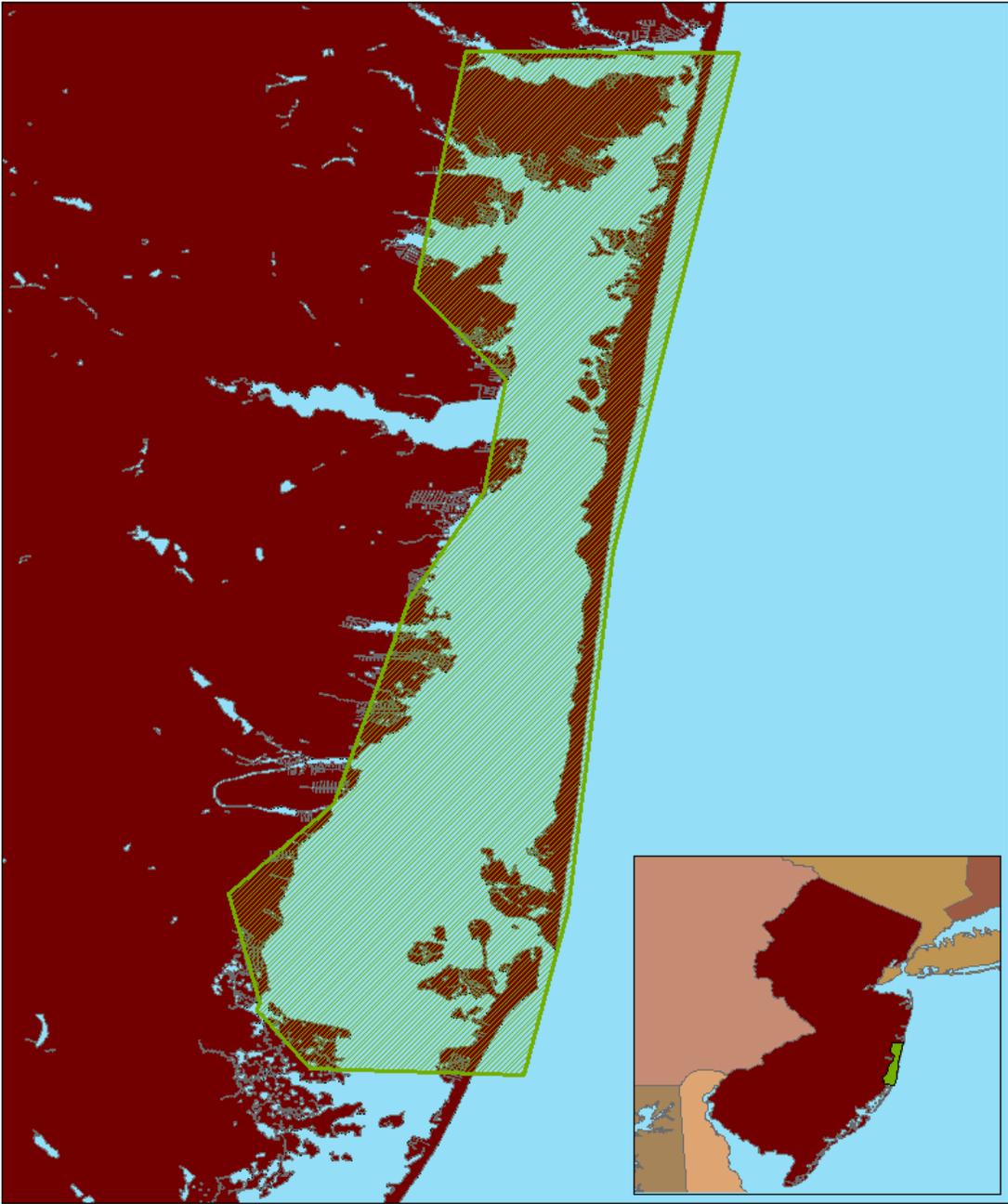
Please provide any additional materials, such as SF-254's, sample imagery/data, cooperative research agreements, you may deem appropriate.

## **CONTACT INFORMATION**

Respondents are requested to provide information by March 21, 2003 using WordPerfect or Microsoft Word. Documents can be forwarded via email to [Dave.Eslinger@noaa.gov](mailto:Dave.Eslinger@noaa.gov) or via mail to

NOAA Coastal Services Center  
Attn: Dr. Dave Eslinger  
2234 South Hobson Ave  
Charleston, SC 29405

Administrative questions concerning this announcement may be directed to one of the following: Lynne Phipps, e-mail, [Lynn.B.Phipps@noaa.gov](mailto:Lynn.B.Phipps@noaa.gov) or Melvyn DesJarlais, [Melvyn.DesJarlais@noaa.gov](mailto:Melvyn.DesJarlais@noaa.gov). Technical questions should be directed to Dave Eslinger, (843) 740-1323, or e-mail, [Dave.Eslinger@noaa.gov](mailto:Dave.Eslinger@noaa.gov).



**Figure 1. Sample area of interest, Barnegat Bay, NJ.**