



## The GIS Integration and Development Program

### Overview

The National Oceanic and Atmospheric Administration (NOAA) Coastal Services Center's GIS Integration and Development (GIS I&D) program typically awards a few cooperative agreement grants each year. The Center announces an annual request for proposals under a NOAA Omnibus Federal Funding Opportunity, typically published in June. Individual awards range from about \$50,000 to \$100,000. Each year the intended issue focus may change. Refer to the Table of Awards for more information on the types of projects and award amounts in past years. Interested parties are invited to compete for a cooperative agreement grant that will support the GIS I&D program's goals.

GIS I&D solicits proposals for one- to two-year cooperative agreements under which cooperators and the Center will jointly develop technical projects related to the goal of the GIS I&D program, which is to provide relevant, easily accessible spatial data, tools, and support services to the coastal resource management community.

### Publication of the Omnibus

The *Federal Register* is the official place for the Omnibus publication. The Center also posts grant opportunities on the CSC Funding Opportunity website after official announcements have been made in the *Federal Register* (<http://www.csc.noaa.gov/funding>).

### Eligibility

Project solicitations usually limit the grant recipient to institutions of higher education, nonprofits, foreign governments, organizations under the jurisdiction of foreign governments, international organizations, and state, local, and Indian tribal governments. No restrictions, however, are placed on who can contract with the grant recipient.

### GIS I&D Program Support

The Center's technical role in past projects has generally included, but is not limited to, the development of spatial data tools, analyses, and data to address a variety of management issues; the design of GIS and Web-based architectures; and the compilation of final products into a training module, CD-ROM, Web site, or other distribution mechanism.

In cooperative grant agreement projects, the recipient leads the overall project, with GIS I&D and other partners contributing as needed. GIS I&D's effort is typically spent helping with project management, developing models or specialized GIS applications, providing quality control support, providing guidance with metadata strategies, and assisting with Web site or CD-ROM development. The grant recipient leads the project, develops most of the content, and guides GIS I&D's efforts to ensure they focus on the needs of the user community.

## Typical Projects

The GIS I&D program typically funds a few projects each year with awards ranging from about \$50,000 to \$100,000 with the average grant award being \$111,470. There are 51 total past and present grants and total grant funding for the program is \$5,684,947. A map showing current project locations with related links for active GIS I&D projects can be seen on the project summaries page. [http://www.csc.noaa.gov/id/project\\_sum.html](http://www.csc.noaa.gov/id/project_sum.html)

## Grant Proposal Suggestions

The key to developing a successful proposal is to outline a collaboration between the cooperator and the Center that makes effective use of each organization's strengths and capabilities. The proposal should explicitly state the roles and responsibilities of the NOAA Coastal Services Center and the cooperator.

If the cooperator does not fully understand the potential roles of the Center, then the proposal should include a plan for the Center and the cooperator to work together to fully develop more detailed tasks early in the project. The proposal should demonstrate that the proposing group understands general resources available through the Center and how the collective resources and expertise of the Center, the cooperator, and cooperator's partners might be applied to an effective examination of coastal management issues. See [GIS I&D's Web site](#) to gain an understanding of the type of support the program can provide.

## Information to Include in the Proposal

- Clearly stated roles and responsibilities of the cooperators and the NOAA Coastal Services Center in the proposed project.
- Detailed plan that makes effective use of the labor and expertise offered by the cooperator and the Center.
- Itemized budget of project costs, including labor, travel, supplies, and other costs.
- Details on how a broad range of coastal managers will use the products once the project is completed.
- Design and description of a clear quality-control strategy.
- Clearly state the resulting impact of your project and products in the coastal management community.

## Other Information

The following additional information is available on the CSC Finding website at: <http://www.csc.noaa.gov/id/grants.html>:

- FAQ
- GIS I&D grant project summaries
- GIS I&D past and present awards
- Grant Proposal Checklist Applicable to the GIS I&D section of the NOAA Omnibus

# **GIS Integration and Development FY 2006 Funding Opportunity**

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## **SUMMARY:**

The Geographic Information Systems Integration and Development (GIS I&D) program of NOAA's Coastal Services Center is soliciting proposals for one to two-year cooperative agreements in which cooperators propose geospatial solutions to coastal hazards related issues. The goal of the GIS I&D program is to provide relevant, easily accessible spatial data, tools, and support services to the coastal resource management community.

The GIS I&D program expects grantees will be in a position to understand the coastal hazards issue of interest from a national perspective, coordinate pilot projects, and disseminate the final products and outcomes to its state and/or local constituents and assist in the implementation of products or processes. Findings from this research will be used to improved understanding of storm impacts and help foster better planning and mitigation strategies.

## **DUE DATE FOR APPLICATIONS:**

Proposals must be time stamped by Grants.gov or received by the Coastal Services Center no later than 5:00 p.m. Eastern Standard Time, October 3, 2005. GIS I&D will fund projects for one to two-year duration that will be closely aligned with the original goals and objectives as articulated in the FY 2006 NOAA Omnibus < [http://www.csc.noaa.gov/funding/PDFs/Spat\\_Tech\\_Coast\\_Mgmt\\_I&D.pdf](http://www.csc.noaa.gov/funding/PDFs/Spat_Tech_Coast_Mgmt_I&D.pdf) >. Subject to the availability of funds, review of proposals will begin in October 2005. The anticipated project start date is April 1, 2006.

## **ELIGIBILITY:**

Eligible applicants are institutions of higher education, hospitals, other non-profits, commercial organizations, foreign governments, organizations under the jurisdiction of foreign governments, international organizations, and state, local and Indian tribal governments. Federal agencies or institutions are not eligible to receive Federal assistance under this announcement, but may be project partners. Federal agencies or institutions who are project partners must demonstrate that they have legal authority to receive funds from outside sources in excess of their appropriations.

## **TYPICAL AWARDS:**

Award amounts typically do not exceed \$150,000 per year with project duration from one to two years for GIS I&D projects. It is anticipated that two total projects will be funded.

**COST SHARING OR MATCH REQUIREMENTS:**

None

**FULL FUNDING ANNOUNCEMENT:**

Find the Full Funding Announcement at <http://www.Grants.gov>. Search for Funding Opportunity Number NOS-CSC-2006-2000071 or search under grants.gov using the Coastal Services Center Catalogue of Federal Domestic Assistance (CFDA) number: 11.473

**GIS I&D POINT OF CONTACT:**

Mr. Hamilton Smillie  
U.S. Department of Commerce  
NOAA Coastal Services Center  
2234 South Hobson Avenue  
Charleston, South Carolina 29205  
(843) 740-1192  
*Hamilton.Smillie@noaa.gov*

**ADDITIONAL INFORMATION:**

For additional information on the GIS I&D funding opportunity and application information, visit the GIS I&D Web site: <http://www.csc.noaa.gov/id/grants.html>

Information includes:

- Overview
- Grant Proposal Suggestions
- Information to Include in the Proposal
- Eligibility
- Frequently Asked Questions about GIS I&D Cooperative Agreement Grants
- Grant Project Summaries
- Grant Proposal Checklist

## /ANNOUNCEMENT OF FEDERAL FUNDING OPPORTUNITY

### EXECUTIVE SUMMARY

Federal Agency Name(s): National Ocean Service (NOS), National Oceanic and Atmospheric Administration (NOAA), Department of Commerce

Funding Opportunity Title: FY2006 Coastal Services Center Application of Spatial Technology for Coastal Management

Announcement Type: Initial Announcement for the NOAA Coastal Services Center (CSC) (will now be referred to as the Center throughout this document)

Catalog of Federal Domestic Assistance (CFDA) Number: 11.473, Coastal Services Center

Dates: Proposals must be received by the Center no later than 5:00 p.m. Eastern Daylight Time on October 3, 2005. For applications submitted through Grants.gov APPLY, a date and time receipt indication is included and will be the basis of determining timeliness. Hard copy proposals will be date and time stamped when they are received in the program office.

Funding Opportunity Description: Geographic Information Systems (GIS) Integration and Development (I&D) program, seeks proposals for a one to two-year cooperative agreements under which cooperators and the Center will jointly develop technical projects related to the goal of the GIS I&D program, which is to provide relevant, easily accessible spatial data, tools, and support services to the coastal resource management community. The GIS I&D program is especially interested in nationally networked organizations proposing geospatial solutions to issues related to coastal hazards.

### FULL ANNOUNCEMENT TEXT

#### I. Funding Opportunity Description

The Center's GIS I&D program seeks proposals for one to two-year cooperative agreements under which cooperators and the Center will jointly develop technical projects related to the goal of the GIS I&D program, which is to provide relevant, easily accessible spatial data, tools, and support services to the coastal resource management community. The GIS I&D program and its partners will work towards this goal by addressing issues as defined in the project proposal, working with the partner to design and develop pilot projects and products that address local needs and skill sets, and considers the outcome's broader applicability to other states or localities. The GIS I&D program is especially interested in nationally networked organizations proposing geospatial solutions to issues related to coastal hazards. It is expected that the primary partner will be in a position to understand the coastal hazards issue of interest from a national perspective, coordinate pilot projects, and disseminate the final products and outcomes to its state

and/or local constituents and assist in the implementation of products or processes.

Statutory authority for the Center's GIS I&D program is 33 U.S.C. 883a (surveys and other activities), 33 U.S.C. 883c (geomagnetic data; collection, correlation, and dissemination) and 16 U.S.C. 1456c (Technical Assistance).

## II. Award Information

Total anticipated funding for a cooperative agreement is \$250,000 and is subject to the availability of FY 2006 appropriations. Applicants are hereby given notice that funds have not yet been appropriated for this program. The GIS I&D program intends to fund one to two projects with awards ranging from about \$100,000 to \$125,000 each. The award level is contingent on methodology, level of detail, and both the technical and geographic scope of the project.

Publication of this notice does not oblige NOAA to award any specific project or to obligate any available funds. If one incurs any costs prior to receiving an award agreement signed by an authorized NOAA official, one would do so solely at one's own risk of these costs not being included under the award.

The Center's technical role in past projects has included, but is not limited to, the development of spatial data tools, analyses, and data to address a variety of management issues; the design of GIS and Web-based architectures.

## III. Eligibility Information

### 1. Eligible Applicants

Eligible applicants are institutions of higher education, hospitals, other non-profits, commercial organizations, foreign governments, organizations under the jurisdiction of foreign governments, international organizations, and state, local and Indian tribal governments. Federal agencies or institutions are not eligible to receive Federal assistance under this announcement, but may be project partners. Note: Federal agencies or institutions who are project partners must demonstrate that they have legal authority to receive funds from outside sources in excess of their appropriations.

### 2. Cost Sharing or Matching

There is no requirement for cost sharing in response to GIS I&D program announcement.

## IV. Application and Submission Information

### 1. Address to Request Application Package

Applications are available through [www.grants.gov](http://www.grants.gov) APPLY. For applicants without internet access, contact Violet Legette at 2234 South Hobson Avenue, Charleston, South Carolina 29405-2413 or phone her at 843-740-1222.

### 2. Content and Form of Application Submission

All applicants are strongly encouraged to submit application packages through

[www.Grants.gov](http://www.Grants.gov). All application materials can be found on this Web site in the FIND and APPLY sections.

All applicants are required to submit a NOAA grants application package, budget narrative, curriculum vitae for each principal investigator, and project proposal. The standard NOAA application package includes the SF-424 (Rev. 7-03), Application for Federal Assistance, SF-424A, Budget Information for Non-Construction Programs, SF-424B, Assurances, Non-Construction Programs, and CD-511, Certifications Regarding Debarment, Suspension, and other Responsibility Matters; Drug Free Workplace Requirements and Lobbying. SF-LLL, Disclosure of Lobbying Activities, should only be submitted to the government if applicant is actually reporting lobbying activities. The CD-512, Certifications Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Transactions, is a form that remains in the applicant's file. Applicants should not submit CD-512 to the government. The CD-346, Applicant for Funding Assistance should only be submitted to the government if the applicant is a non-profit entity.

If you are not submitting a proposal through [www.Grants.gov](http://www.Grants.gov), all of these forms can be obtained from < <http://www.ofa.noaa.gov/%7Egrants/appkit.html> > or from The Center's website < <http://www.csc.noaa.gov/funding/CSCgrant.html> >. If for some reason the applicant has difficulty downloading the required forms, he or she should contact Violet Legette at 2234 South Hobson Avenue, Charleston, South Carolina 29405-2413 or phone her at 843-740-1222 or email her at < [Violet.Legette@noaa.gov](mailto:Violet.Legette@noaa.gov) >.

If the Grants.gov Web site is not used, the applicant must submit one set of originals (signed) and two copies of the proposal(s) and related forms to the Coastal Services Center. No e-mail or fax copies will be accepted. All project proposals must total no more than 10 pages (double spaced, 10 or 12-point fonts, and exclusive of appendices). Appendices should be limited to materials that directly support the main body of the proposal (e.g., support letters, resumes, lists of data sources, maps). Letters of support may be mailed separately, but must be received by the October 3, 2005 deadline. All appendix material must be unbound.

This announcement is a call for proposals for work under the Center's GIS I&D Program. The Center's GIS I&D program's principal products seek to link the technical benefits of GIS with the needs of the coastal resource management community to enhance visualization and decision making capabilities focusing on the issues of coastal resource management. Final products typically are in a digital format and distributed via a training module, CD-ROM, or the Internet. Products often include a spatial database and distribution mechanism, a customized GIS interface, and a narrative that provides a detailed overview of the focal management issues, how the accompanying information was used to examine potential solutions, how the product can be applied to other coastal areas, and how the overall product can be used in future decision-making. An overview of the GIS I&D program, and past and current projects, is available through the Internet at < <http://www.csc.noaa.gov/id/> >.

#### Roles and Responsibilities

By establishing a cooperative partnership, the unique skills, capabilities, and experiences of the Center and the cooperator will be combined to offer an opportunity for

each organization to further its goals. In order to clearly define the nature of this relationship, the proposal shall explicitly state the respective roles and responsibilities of the Center and the cooperator. Also, the work plan that is outlined within the proposal should demonstrate that the cooperator and partners have sufficient local knowledge of the management problem to devise an effective and systematic approach toward the development of appropriate solutions. Once the award has been made, a primary task for the Center and the cooperator will be to collectively review and develop the final implementation plan to describe how the resources of all parties will be leveraged to produce the final products, the time line for the project, and the process for accomplishing project tasks.

The Center's technical role in past projects has included, but is not limited to, the development of spatial data tools, analyses, and data to address a variety of management issues; the design of GIS and Web-based architectures. More information regarding the degree of involvement or potential role of the Center in a given project may be found at < <http://www.csc.noaa.gov/id/> >. Any questions about appropriate roles for the Center can be directed to < [Hamilton.Smillie@noaa.gov](mailto:Hamilton.Smillie@noaa.gov) >.

General areas of responsibility that cooperators have had in the past have included the following: identifying the management issues that guide development of the information resource; identifying the information needed to address the issues; developing partnerships with other members of the coastal management community; developing, collecting, and synthesizing the information (e.g., spatial data, text, tables, graphics, charts, and maps) and tools needed to address the management issues; developing metadata; providing access to the data via clearinghouse nodes or other distribution networks, and determining how the products should be organized to maximize usefulness within the coastal management community. It is anticipated the cooperator will fully participate in the development of the final product design and implementation. All projects proposals must include sections on the following topics:

a. Project Background/Introduction. Briefly discuss the critical coastal management issue addressed within the proposal, as well as the data and/or analyses required to address this issue. Identify the basic project goals and any objectives. Discuss in the applicability of the issue and anticipated final product to a broader range of customers or areas.

b. Project Description/Methodology. Address the general work plan and deliverables. Methodology should specifically define methods to address the stated problem or issue, including a description of the types of technology or software that will be applied. Database format must be adequately described (if appropriate) and include FGDC-compliant metadata records for any data that are created or used within the project.

c. Project Partners and Subcontractors. Identify any project partners and describe their respective roles. When formal partnerships already exist, include letters from partners that demonstrate that they understand their role in the project and the authority of the lead agency in product development, and that they are willing to participate in that manner. When formal partnerships do not already exist, describe plans for developing them. Describe the resources available to cooperators and partners to conduct the project, including personnel qualifications (i.e., education, experience, and time available to work



on the project), facilities, equipment, and, to the extent practicable, the information and tools already available. Describe how widely the project is supported within the resource management community and offer evidence of that support.

d. Milestone Schedule. List target milestones and their respective time lines.

e. Project Budget. Proposals should provide a detailed budget breakdown that follows the categories and formats in the NOAA grants package and a brief narrative that justifies each item.

### 3. Submission Dates and Times

Applications must be received no later than 5:00 p.m. Eastern Standard Time on October 3, 2005. For applications submitted through Grants.gov APPLY, a date and time receipt indication is included and will be the basis of determining timeliness. Hard copy proposals will be date and time stamped when they are received in the program office. Applications received after that time will not be reviewed.

### 4. Intergovernmental Review

Applications under the Center's GIS I&D program are subject to Executive Order 12372, Intergovernmental Review of Federal Programs. It is the state agency's responsibility to contact their state's Single Point of Contact (SPOC) to find out about and comply with the State's process under EO 12372. To assist the applicant, the names and addresses of the SPOCs is listed in the Office of Management and Budget's home page at: < <http://www.whitehouse.gov/omb/grants/spoc.html> >.

### 5. Funding Restrictions

There are no funding restrictions under the Center's GIS I&D program. The Center's GIS I&D program is seeking applications for non-construction projects.

### 6. Other Submission Requirements

Applications should be submitted through [www.grants.gov](http://www.grants.gov) APPLY. For applicants without internet access, hard copy applications may be sent to the attention of Hamilton Smillie, room 237C, NOAA Coastal Services Center, 2234 South Hobson Avenue, Charleston, South Carolina, 29405-2413. No e-mail or fax copies will be accepted.

Any US Postal Service correspondence should be sent to the attention of Hamilton Smillie, room 237C, NOAA Coastal Services Center, 2234 South Hobson Avenue, Charleston, South Carolina, 29405-2413.

## V. Application Review Information

### 1. Evaluation Criteria (With Weights)

a. Importance/relevance and Applicability of proposal to the program goals (35 points). This criterion ascertains whether there is intrinsic value in the proposed work and/or relevance to NOAA, federal, regional, state or local activities. For the GIS I&D program this includes: How well the proposal demonstrates the local significance and regional importance of the issues(s) or management objective(s) that will guide development of the project. At a minimum, the proposal must identify coastal management goals that currently are not being achieved, describe how products from this project will significantly address that deficiency, and state the benefits that will result to the public and coastal management community. How well the applicant demonstrates that

the project outcomes will significantly address the coastal management issue(s) targeted by the project and that the collective resources of the applicant and partners will ensure projected outcomes are met. If the project is scientifically based, how well the project integrates and applies the results to solve coastal management issues.

b. Technical/scientific merit (30 points). This criterion assesses whether the approach is technically sound and/or innovative, if the methods are appropriate, and whether there are clear project goals and objectives. For the GIS I&D program this includes: How well the proposed work takes an innovative approach to the application and integration of technology, spatial data, and policy to address issues and accomplish project goals and objectives. This criterion includes such factors as the technical merit of the process that the cooperator has outlined for developing the information resource and the perceived role for the Center in its development.

c. Overall qualifications of applicants (15 points). This criterion ascertains whether the applicant possesses the necessary education, experience, training, facilities, and administrative resources to accomplish the project. For the GIS I&D program this includes: How well the applicant demonstrates their qualifications and expertise in the topic areas related to the proposed project. How well the proposal divides the project into discrete tasks that make effective use of the capabilities of the cooperator, partner(s), and the Center. How partnerships developed for the project will enhance capacity to address coastal management issues through data and information sharing and collaborations.

d. Project costs (10 points). This criterion evaluates the budget to determine if it is realistic and commensurate with the project needs and time-frame. For the GIS I&D program this includes: How well the applicant demonstrates that the budget is commensurate with project needs and that the partnerships employed will improve the overall cost effectiveness of the project. Additionally, how well the proposal demonstrates: that the project is broadly supported by the coastal management community; that a broad group of coastal managers and constituents will benefit from contributing to design and assembly of product(s); and that a broad group of coastal managers will use the product(s) making them cost effective.

e. Outreach and education (10 Points). This criterion assesses whether the project provides a focused and effective education and outreach strategy regarding NOAA's mission to protect the Nation's natural resources. For the GIS I&D program this includes: How well the nationally networked organization can ensure implementation of the project products and outcomes to a broad group of state and local coastal resource managers. How well the proposed project addresses the goals of the National Spatial Data Infrastructure by making spatial data and tools accessible through documentation and distribution mechanisms such as clearinghouses. More information on the NSDI can be found at < <http://www.csc.noaa.gov/themes/nsdi/> >.

## 2. Selection Process

An initial administrative review is conducted to determine compliance with requirements and completeness of the application. A review panel will be established to evaluate proposals on the basis of the evaluation criteria listed above. The panelists will provide individual evaluations on proposals, thus there will be no consensus recommendation. All proposals reviewed will be ranked according to the average score and the selecting official (the Center's Deputy Director) will award in rank order, unless the proposal is justified to be selected out of rank order as described below. Thus

proposals with the highest scores may not necessarily be selected for an award. The Selecting Official makes the final recommendations for award to the Grants Officer who is authorized to obligate the funds.

### 3. Selection Factors

The merit review ratings shall provide a rank order to the Selecting Official for final funding recommendations. The Selecting Official shall award in the rank order unless the proposal is justified to be selected out of rank order based upon one or more of the following factors:

- (1) Availability of funding
- (2) Balance/distribution of funds
  - a. Geographically
  - b. By type of institutions
  - c. By type of partners
  - d. By research areas
  - e. By project types
- (3) Duplication of other projects funded or considered for funding by NOAA/federal agencies
- (4) Program priorities and policy factors
- (5) Applicant's prior award performance
- (6) Partnerships with/Participation of targeted groups
- (7) Adequacy of information necessary for NOAA staff to make a NEPA determination and draft necessary documentation before recommendations for funding are made to the grants officer.

Information about the GIS I&D program, priorities, partnerships, and targeted groups are described on the GIS I&D Web site at < <http://www.csc.noaa.gov/id/> > and in section I of this announcement.

### 4. Start Dates

**April 1, 2006 or later** should be used as the proposed start date on proposals, unless otherwise directed by the GIS I&D Program Manager.

## VI. Award Administration Information

### 1. Award Notice

Applications recommended for funding by the selecting official will be forwarded to the GMD by the Program Office. The applicant will be notified by the program office, either by email or letter that their application was forwarded to GMD. The applicant must be aware that the notification by the program office is NOT the official award notice. Official notification happens only when the applicant receives an award notice either electronically or through the postal mail, signed by a Grants Officer.

Unsuccessful applications for all Center programs will be destroyed and not returned to the applicant.

**2. The Department of Commerce Pre-Award Notification Requirements for Grants and Cooperative Agreements. The Department of Commerce Pre-Award Notification of Requirements for Grants and Cooperative Agreements contained in the Federal Register notice of**

December 30, 2004 (69 FR 78389) is applicable to this solicitation.

**Geospatial data.** The recipients must comply with EO 12906 regarding any and all geospatial data collected or produced under grants or cooperative agreements. This includes documenting all geospatial data in accordance with the Federal Geographic Data Committee Content Standard for digital geospatial data.

**Limitation of Liability.** In no event will NOAA or the Department of Commerce be responsible for proposal preparation costs if these programs are cancelled because of other agency priorities. Publication of this announcement does not oblige NOAA to award any specific project.

**National Environmental Policy Act (NEPA):** NOAA must analyze the potential environmental impacts, as required by the National Environmental Policy Act (NEPA), for applicant projects or proposals which are seeking NOAA federal opportunities. Detailed information on NOAA compliance with NEPA can be found at the following NOAA NEPA website: <http://www.nepa.noaa.gov/>, including our NOAA Administrative Order 216-6 for NEPA, <http://www.nepa.noaa.gov/NAO216--6--TOC.pdf>, and the Council on Environmental Quality implementation regulations, [http://ceq.eh.doe.gov/nepa/regs/ceq/toc\\_ceq.htm](http://ceq.eh.doe.gov/nepa/regs/ceq/toc_ceq.htm). Consequently, as part of an applicant's package, and under their description of their program activities, applicants are required to provide detailed information on the activities to be conducted, locations, sites, species and habitat to be affected, possible construction activities, and any environmental concerns that may exist (e.g., the use and disposal of hazardous or toxic chemicals, introduction of non-indigenous species, impacts to endangered and threatened species, aquaculture projects, and impacts to coral reef systems). In addition to providing specific information that will serve as the basis for any required impact analyses, applicants may also be requested to assist NOAA in drafting of an environmental assessment, if NOAA determines an assessment is required. Applicants will also be required to cooperate with NOAA in identifying feasible measures to reduce or avoid any identified adverse environmental impacts of their proposal. The failure to do so shall be grounds for not selecting an application. In some cases if additional information is required after an application is selected, funds can be withheld by the Grants Officer under a special award condition requiring the recipient to submit additional environmental compliance information sufficient to enable NOAA to make an assessment on any impacts that a project may have on the environment.

### 3. Reporting

Upon official notification of an award, the applicant will be required to submit the following reports:

Financial Status Reports (SF-269 and SF-272) are required semi-annually. These reports should be mailed directly to Grants Management Division, 1325 East-West Highway, Silver Spring, Maryland, 20190 or faxed to 301-713-00947.

Performance or progress reports are required semi-annually. These reports are submitted directly to the program office, no later than 30 days following the end of each

6-month period from the start date of an award. The final report is due 90 days after the award expiration. These reports can be emailed to the program officer or they can be mailed to the attention of the program officer at 2234 South Hobson Avenue, Charleston, South Carolina, 29405-2413.

## VII. Agency Contact(s)

For administrative issues contact Violet Legette at 843-740-1222 (phone) or 843-740-1232 (fax) or email her at < [Violet.Legette@noaa.gov](mailto:Violet.Legette@noaa.gov) >.

For technical questions for the GIS I&D program, contact Hamilton Smillie at 843-740-1192 (phone) or 843-740-1315 (fax) or email him at < [Hamilton.Smillie@noaa.gov](mailto:Hamilton.Smillie@noaa.gov) >.

## VIII. Other Information

Applicants can refer to the Center's website for specific information about the history of the Coastal Services Center. Also, available on this website are specific instructions on filling out the NOAA standard forms for grants/cooperative agreement applications. The Center's website is < <http://www.csc.noaa.gov/funding/CSCgrant.html> >.

Applicants also need to remember that official notification of an award notice is provided by the Grants Management Division, not the program office. If one incurs any costs prior to receiving an award agreement signed by an authorized NOAA grant official, one would do so solely at one's own risk of these costs not being included under the award.

## GIS I&D Program Grant Awards

Revised: May 18, 2005

Ref. #	Cooperator	Project Location	Project Title	RFP Date	Grant Period	Funds Awarded	Final Product
1	University of Florida, Florida Sea Grant Program	Florida	<i>A Recreational Boater-Based Method for Redesigning the NOS Small-Craft Chart: Promoting Safe Navigation and Stewardship of Coastal Resources</i>	N/A	August 1997 – September 2000	\$ 150,000	A publication, <a href="http://www.flseagrant.org/faculty-students/quarterly%20reports/DecJanFeb01/djfsmppage.htm">http://www.flseagrant.org/faculty-students/quarterly%20reports/DecJanFeb01/djfsmppage.htm</a> and <a href="http://flseagrant.org/science/anchorage/">http://flseagrant.org/science/anchorage/</a>
2	North Carolina Division of Coastal Management	North Carolina	<i>North Carolina – NOAA Coastal Services Center Coastal Hazard Mitigation Cooperative Agreement</i>	N/A	April 1998 – June 2001	\$ 99,376	Maps and data shared w/collaborators
3	Ohio Department of Natural Resources	Ohio	<i>Digital Orthophotos for Lake Erie Shoreline</i>	N/A	October 1998 – December 1999	\$ 75,000	Ortho photos on file w/collaborators
4	Florida Marine Research Institute	Florida	<i>Development and Evaluation of a Monitoring and Emergency Response/Crisis Management System for Oil Spills and Hurricanes</i>	N/A	October 1998 – September 1999	\$ 79,625	A publication and <a href="http://www.cio.noaa.gov/hpcc/projects/980002.html">http://www.cio.noaa.gov/hpcc/projects/980002.html</a>
5	University of Hawaii at Manoa	Hawaii	<i>Hawaiian Shoreline Variability this Century: A Demonstration of Data Capacity Building</i>	October 1998	September 1999 – August 2001	\$ 200,000	A publication and <a href="http://www.soest.hawaii.edu/coasts/cgg_main.html">http://www.soest.hawaii.edu/coasts/cgg_main.html</a>
6	Oregon State University	Oregon	<i>Test Reducing Earthquake-Tsunami Hazards in Pacific Northwest Ports and Harbors</i>	N/A	October 1999 – September 2001	\$ 100,000	<a href="http://www.csc.noaa.gov/products/tsunamis/">http://www.csc.noaa.gov/products/tsunamis/</a>
7	West Coast Inland Navigation District	Florida	<i>Bathymetric Data for Coastal Resource Management in Southwest Florida Waterways: A Proposal to Enhance and Standardize Field Collection Methods</i>	October 1999	October 2000 – April 2002	\$ 58,770	A publication, CD-ROM, and <a href="http://edis.ifas.ufl.edu/SG064">http://edis.ifas.ufl.edu/SG064</a>
8	Palm Beach County Department of Environmental Resources Management	Florida	<i>Comprehensive Bathymetric Mapping for Lake Worth Lagoon</i>	October 2000	August 2001 – January 2003	\$ 57,623	A publication, maps, and a Web site. <a href="http://www.co.palm-beach.fl.us/erm/enhancement/wlagoon.asp#LWLCD">http://www.co.palm-beach.fl.us/erm/enhancement/wlagoon.asp#LWLCD</a>
9	The Foundation of California State University, Monterey Bay	California	<i>Integrated Spatial Data Model Tools Set for the Auto-Classification and Delineation of Species-Specific Habitat Maps from High-Resolution, Digital Hydrographic Data</i>	October 2001	August 2002 – July 2003	\$ 79,769	Spatial data modeling tools and publishable manuscript. <a href="http://seafloor.csUMB.edu/publications/Kvitek_NA17OC2586_Report.pdf">http://seafloor.csUMB.edu/publications/Kvitek_NA17OC2586_Report.pdf</a>
10	<b>(Grant Award)</b> Great Lakes Commission	Michigan	<i>Great Lakes Information Network Data Directory</i>	June 2002	August 2002 – July 2003	\$ 60,000	Spatial data sets and metadata posted on the Web. <a href="http://www.glc.org/glin/">http://www.glc.org/glin/</a>
11	New Jersey Meadowlands Commission	New Jersey	<i>Spatially Integrated Coastal Permitting System</i>	October 2001	September 2002 – August 2003	\$ 70,800	A graphical user interface accessible through the Web in which maps, images, and text can be retrieved by permit applicants. <a href="http://meri.njmeadowlands.gov:8080/sicop/">http://meri.njmeadowlands.gov:8080/sicop/</a>
12	(Massachusetts) Executive Office of Environmental Affairs	Massachusetts	<i>Coastal Structures Inventory of Cape Cod</i>	October 2001	August 2002 – December 2003	\$ 80,550	A georeferenced, pre-storm inventory of Ma. Structures packaged on a CD-ROM and a document that will provide guidelines and procedures to allow other regions to conduct similar projects.

Ref. #	Cooperator	Project Location	Project Title	RFP Date	Grant Period	Funds Awarded	Final Product
13	The Foundation of California State University, Monterey Bay	California	<i>Hydrographic Data Acquisition for the Design and Management of Two Proposed California State Marine Protected Areas</i>	October 2001	August 2002 – December 2003	\$ 79,352	A Web-based GIS site for sharing 3-D marine habitat maps and hydrographic products. <a href="http://www.dfg.ca.gov/mrd/channel_islands/index.html">http://www.dfg.ca.gov/mrd/channel_islands/index.html</a>
14	(Grant Award) Maryland Department of Natural Resources	Maryland	<i>Data Stewardship Project FGDC Compliant metadata Data accessibility Retention of value of data Writing metadata</i>	June 2002	April 2003 – March 2004	\$ 56,032	Metadata development on geospatial databases. <a href="http://dnrweb.dnr.state.md.us/irc/irc.asp">http://dnrweb.dnr.state.md.us/irc/irc.asp</a>
15	Maryland Department of Natural Resources	Maryland	<i>Bathymetric Survey of Maryland's Portion of Chincoteague Bay</i>	October 2001	August 2002 – April 2004	\$ 88,111	A CD-ROM incorporating raw bathymetry data, bathymetry maps, and a final report detailing survey methods used to develop the first detailed bathymetric data set for Chincoteague Bay.
16	Oregon Department of Fish and Wildlife	Oregon	<i>Nearshore Rocky Reef Habitat Survey using Multibeam Sonar – Marine Resource Program</i>	October 2001	August 2002 – May 2004	\$ 49,941	A CD-ROM incorporating multibeam survey data, bathymetric maps, a Web page with spatially referenced video clips from the Remotely Operated Vehicle (ROV) work, and survey field and descriptive reports and mapping products required under NOS hydrographic survey standards was produced. <a href="http://hmsc.oregonstate.edu/odf/w/nro/">http://hmsc.oregonstate.edu/odf/w/nro/</a>
17	(Grant Award) Mississippi Department of Environmental Quality	Mississippi	<i>Mississippi Coastal Information System</i>	June 2002	March 2003 – May 2004	\$ 62,915	A Web site to disseminate data on coastal resources and trends in coastal Mississippi. <a href="http://geology.deq.state.ms.us/coastal">http://geology.deq.state.ms.us/coastal</a>
18	Oregon Department of Land and Conservation Development	Oregon	<i>Oregon Coastal Atlas and Climate Module</i>	June 2002	July 2003 – June 2004	\$ 55,000	A special climate and coastal hazards module was created within the Oregon Coastal Atlas. <a href="http://www.lcd.state.or.us/coast/hazards.html">http://www.lcd.state.or.us/coast/hazards.html</a>
19	(Grant Award) University of South Carolina Research Foundation, Baruch Institute	South Carolina	<i>Long-Term Coastal Data and Metadata Rescue and Product Dissemination by Belle W. Baruch Institute for Marine Biology and Coastal Research</i>	October 2001	August 2002 – July 2004	\$ 106,840	Metadata development to certify, archive, and document nutrient and toxic algae databases from South Carolina. All data and metadata will be posted on Baruch's Web server. <a href="http://links.baruch.sc.edu/Data/index.html">http://links.baruch.sc.edu/Data/index.html</a>

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20	South Carolina Department of Health and Environmental Control, Office of Ocean and Coastal Resource Management	South Carolina	South Carolina Coastal Marsh Island Assessment and Management Strategy	June 2002	March 2003 – August 2004	\$ 54,863	Guidance for revising regulations governing bridge permits and island development through the design and construction of a stakeholder accepted, GIS-based decision support tool and related metadata. <a href="http://www.scdhec.net/ocrm/HTML/printed.html">http://www.scdhec.net/ocrm/HTML/printed.html</a>
21	(Grant Award) University of Florida	Florida	A Coastal Data Information Server System for the Gulf Intra-coastal Waterway and Adjoining Bay Waters of Southwest Florida	June 2002	September 2002 – August 2004	\$ 50,900	Metadata; and scanned, enhanced, georeferenced, and rectified aerial photographs. <a href="http://web.uflib.ufl.edu/digital/collections/FLAP/Special_FloridaCoastalWaters.htm">http://web.uflib.ufl.edu/digital/collections/FLAP/Special_FloridaCoastalWaters.htm</a>
22	National States Geographic Information Council	national	Random Access Metadata Tool for Online National Assessments-Phase 2	March 2004	July 2004 – December 2004	\$60,000	A national level, state-based inventory of geospatial data, policies, and technology posted on the Web will be incorporated into a phase I grant project by this same grantee.
23	(Grant Award) Louisiana Universities Marine Consortium	Louisiana	Restructuring & Automating LUMCON's Environmental Monitoring Systems (LEMS)	June 2003	March 2004 – February 2005	\$ 48,150	<b>EXPECTED</b> Improvements to data handling, display, and distribution protocols related to its automated environmental monitoring system.
24	(Grant Award) University of South Carolina	South Carolina	Coastal nutrient, water quality, toxic algal data, and metadata dissemination by Baruch Institute for Marine Biology and Coastal Research, University of South Carolina	June 2002	June 2003 – May 2005	\$ 84,502	<b>EXPECTED</b> Metadata development to certify, archive, and document nutrient and toxic algae databases from South Carolina. All data and metadata will be posted on Baruch's Web server < <a href="http://links.baruch.sc.edu/Data/index.html">http://links.baruch.sc.edu/Data/index.html</a> >.
25	Washington Department of Ecology	Oregon & Washington	A Tiered Approach for Analysis of Cumulative Impacts Resulting from Land Use Change and Shoreline Habitat Alteration	June 2003	July 2004 – May 2005	\$100,000	<b>EXPECTED</b> GIS tools to help coastal planners identify land use alterations at varying scales and recommend geospatially explicit protection and restoration measures.
26	Moss Marine Laboratory, San Jose State University Foundation	California	Bathymetric Mapping, Habitat Characterization, and Geohazards Assessment of the San Juan Archipelago: a U.S. – Canadian Cooperative Venture	October 2001	August 2002 – June 2005	\$ 99,850	<b>EXPECTED</b> Multiple products in the form of maps, digital data sets, and reports will be delivered. A Web site will be produced and a manuscript will be submitted to a peer-reviewed scientific journal.



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27	University of Wisconsin – Madison	Wisconsin	<i>Developing a Dynamic and Distributed GIS to Support Coastal Management Along the Lake Superior Coast of Wisconsin</i>	June 2002	June 2003 – June 2005	\$ 125,863	<b>EXPECTED</b> GIS Web sites serving spatial data relevant to coastal management long the Lake Superior coast of Wisconsin, two refereed journal articles, Web tutorials, and three project workshops.
28	Cornell University, New York Sea Grant Program	New York	<i>Development of a Website for Dissemination of NY Atlantic Coast Monitoring Program Erosion Hazards Data</i>	June 2003	March 2004 – August 2005	\$ 40,287	<b>EXPECTED</b> Data and tools summarized on a Web site for improving coastal hazards management and planning in New York as a demonstration project.
29	(Grant Award) Geological Survey of Alabama	Alabama	<i>Rescuing, Documenting Toxic Pollutant Data Sets for the Mobile Delta and Bay</i>	June 2003	March 2004 – August 2005	\$ 75,620	<b>EXPECTED</b> Documented and easily accessible toxic pollutant data to local, state, and federal agencies, and others interested in protecting and improving the environment.
30	National States Geographic Information Council	national	<i>Random Access Metadata Tool for Online National Assessments-Phase 1</i>	June 2003	March 2004 – September 2005	\$90,000	<b>EXPECTED</b> A national level, state-based inventory of geospatial data, policies, and technology posted on the Web.
31	Two Grant Awards University of Washington	Washington	<i>Assessing the Potential for a Regional Ocean Governance Pilot Project in the Pacific Northwest</i>	N/a Non-competitive	August 2004 – January 2006	\$ 141,366	<b>EXPECTED</b> A report and a "prospectus" for a pilot regional ocean governance process in the Pacific Northwest.
32	Pacific States Marine Fisheries Commission	Oregon	<i>GIS I&amp;D Curriculum for Marine Resource Managers</i>	June 2003	March 2004 – February 2006	\$ 99,975	<b>EXPECTED</b> Development, testing, and implementation of GIS education for Pacific-focused marine resource management, targeting the needs for marine protected areas.
33	Tufts University	Connecticut, Delaware, Maine, Massachusetts, New York, and Rhode Island	<i>Seabird Ecological Assessment Network Mapping Application (SEANET MAP): Distributed Internet Mapping for Marine Ecosystem Health</i>	June 2003	September 2004 – February 2006	\$82,226	<b>EXPECTED</b> A comprehensive and integrated source that will allow users to correlate multiple environmental variables and risk factors with population fluctuations and mortality events for the U.S. northeast coast.
34	California Department of Fish and Game	California	<i>GIS and analytical tool development support for Calfish; a Web-based data storage, management, and retrieval system for California</i>	June 2003	July 2004 – June 2006	\$77,308	<b>EXPECTED</b> A centralized California fisheries data storage, management, and retrieval system called CalFish.

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	<b>Two Grant Awards</b>		<i>Improving Methods for Identifying Priority Sites for Marine Conservation and Management: Integrating Across Environments in the Pacific Northwest</i>				<b>EXPECTED</b> Methods for identifying conservation targets, GIS layers, suitability factors, site selection model, and reports.
35	The Nature Conservancy	Oregon & Washington		June 2003	July 2004 – June 2006	\$175,000	
	<b>Three Grant Awards</b>		<i>A Proposal for the Establishment of the Louisiana/Mississippi Digital Coast Initiative</i>				<b>EXPECTED</b> A repository and Web site with on-line mapping applications serving digital geospatial data and information to support and manage the rapid growth along the Mississippi and Louisiana coastal zone.
36	University of Southern Mississippi	Louisiana		N/A	September 2003 – August 2006	\$ 715,500	
	<b>Three Grant Awards</b>		<i>Establishment of the Louisiana Digital Information System</i>				<b>EXPECTED</b> A repository and Web site with on-line mapping applications serving digital geospatial data and information to support and manage the rapid growth along the Mississippi and Louisiana coastal zone.
37	University of New Orleans	Louisiana and Mississippi		N/A	September 2003 – August 2006	\$ 715,500	
	<b>Three Grant Awards</b>		<i>Spatial Technology Development and Educational Modules for the Fagatele Bay National Marine Sanctuary</i>				<b>EXPECTED</b> A CD-ROM, an expanded Web site, maps, charts, educational modules, and FGDC-compliant metadata.
38	Oregon State University	Oregon		June 2002	March 2003 – September 2006	\$ 64,917	
	<b>Three Grant Awards</b>		<i>Manatee Protection Decision &amp; Education Support System</i>				<b>EXPECTED</b> A GIS-based manatee protection decision and education support system to promote public awareness of efforts to recover and/or protect manatee populations.
39	University of Florida	Florida		June 2003	April 2004 – March 2006	\$ 98,274	
	<b>Three Grant Awards</b>		<i>Linking Coastal Watersheds: A Pilot Project on Linking Inland and Coastal Watershed Resources Management Systems in the Tennessee-Tombigbee and Mobile Bay Basin</i>				<b>EXPECTED</b> A shared geospatial database for Mobile Bay and the Tennessee-Tombigbee watershed.
40	Mississippi State University	Mississippi		June 2004	April 2004 – March 2006	\$ 97,570	
	<b>Three Grant Awards</b>		<i>Coastal Planning, Response and Recovery from Tropical Hazards</i>				<b>EXPECTED</b> CEMA will develop a community specific HURREVAC program tailored to Chatham County to assist in local hurricane preparedness decision making.
41	Chatham County Emergency Management Agency	Georgia		June 2004	April 2005 – October 2006	\$ 125,000	
	<b>Three Grant Awards</b>		<i>The Maine Coast Protection Initiative</i>				<b>EXPECTED</b> A coastal conservation plan that identifies protection priorities and strategies and a series of pilot projects developing conservation plans at the local level.
42	Land Trust Alliance	Maine		March 2004	July 2004 – May 2007	\$ 500,000	

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43	Oregon State University	Oregon	NOAA Fellowships for Education and Research Opportunities in Applying GIS and Remote Sensing in Coastal Resource Management	March 2004	June 2004 – May 2007	\$ 124,891	<b>EXPECTED</b> A three-year fellowship initiating a longer term minority graduate fellowship program in geospatial science with a focus on coastal resource management.
44	Florida Department of Environmental Protection	Florida	Development of a GIS Project for Franklin County and the Apalachicola NERR	June 2004	July 2005 – June 2007	\$ 131,115	<b>EXPECTED</b> The Florida Department of Environmental Protection Apalachicola NERR (ANERR) will develop and implement a Geographic Information Systems (GIS) for the Franklin County Planning and Building Department.
45	Ventura County, California, Planning Division	California	Environmental Impact Biological Assessments: Spatial Data Capture and Delivery	June 2004	July 2005 – October 2006	\$ 96,566	<b>EXPECTED</b> The Ventura County Planning Division will develop a comprehensive GIS database of biological resources at a parcel scale for Ventura County, California. Ventura County will make the biological data available through an ArcIMS map viewer for resource managers and the general public.

plus 6 other awards due to grant award continuations = 51 total grant awards