DRAINAGE EVALUATION AND BASIN PRIORITIZATION FOR THE UPPER PALATLAKAHA CHAIN OF LAKES

Lake County, FL
Department of Public Works

Final
May 2003
Table of Contents

Executive Summary ......................................................................................................................... i
Section 1
   Introduction ................................................................................................................................. 1-1
Section 2
   Surveying, Data Gathering and Pollutant Monitoring .............................................................. 2-1
Section 3
   Basin Modeling .......................................................................................................................... 3-1
Section 4
   BMP Conceptual Design For Selected Basins ........................................................................... 4-1
Section 5
   Funding Sources ......................................................................................................................... 5-1
Section 6
   Conclusion .................................................................................................................................... 6-1

TABLES
Table 3-1: Palatlakaha River Basin – Pollutant Loading Summary Table .................................... 3-3
Table 3-2: Palatlakaha River Basin – Overall Basin Rankings For All Untreated Basins ............. 3-6

FIGURES
Figure 2-1: Existing Storm Outlets Location Map ......................................................................... 2-2
Figure 4-1: Qualified Basins For BMP Construction Work .......................................................... 4-2
Figure 4-2: Sediment Trap Detail .................................................................................................. 4-4
APPENDICES

Appendix A
  Individual Basin Data ................................................................. A-1

Appendix B
  Calculations and Technical Notes ............................................... B-1

Appendix C
  Funding Sources Support Data ..................................................... C-1
Appendix B

Calculations and Technical Notes
Zones for Precipitation IDF Curves Developed by the Department
Project No. 16115    Page No.  
Subject: Basin #15    Flow and restrictor plate (calc)

Basin #15: Flow calculation

Drainage area = 1.7 ac
Composite C = 0.45

10 year 10 minutes = 7.5 inches/hr
Rainfall rate

\[ Q = C \times A = (0.45)(7.5)(1.7) = 5.75 \text{ cfs} \]

Land use:

- 0.271 Ac Residential low density ⇒ C = 0.35
- 0.719 Ac Residential high density ⇒ C = 0.6
- 0.8 Ac Recreation/open space ⇒ C = 0.3

Composite C = \( \frac{(0.35)(0.271) + (0.6)(0.719) + (0.8)(0.3)}{1.7} \)

\[ C_{\text{comp}} = 0.45 \]
Basin #15: Restrictor Plate Cakes

Weir Length:

Maximum effective weir length = 30" - (0.5") = 29"
where Existing pipe diameter = 30"
and ineffective flow areas = 0.5" on each side

\[ Q = 5.75 \text{ cfs} \]
\[ L = 29" = 2.42 \text{ ft} \]

\[ Q = C L H^{3/2} = (3.0)(2.42)(4)^{1.5} = 5.75 \]

\[ H^{1.5} = \frac{5.75}{4} = 0.792 \]

\[ \ln H = \ln 0.792 \]
\[ \ln H = \ln 0.792 \]
\[ \Rightarrow H = 0.856 \]

Existing 30" pipe

Proposed orifice plate

6" weep hole
Basin #15: Sediment Traps

Rip Rap:
- Width = 15 feet
- Length = 10 feet
- Height = 3 feet

Volume: \[ V = \frac{3}{4} \times 450 \text{ ft}^3 + 2 = 900 \text{ ft}^3 \]

\[ X = 165 \frac{\text{lb}}{\text{ft}^3} \]

\[ W = (900)(165) = 148500 \text{ lb} = 74.25 \text{ tons} \]

Filter Fabric:
- Width = 15 feet
- Length = 10 feet

Area: \( (15)(10) = 150 \text{ ft}^2 \)

150 x 2 = 300 ft² for both sediment traps.

Regular Excavation:
- \( 2210 \text{ ft}^3 \) per sediment trap
- Total of \( 4420 \text{ ft}^3 \)

\[ V = 163.70 \text{ yd}^3 \]

Sodding:
- Length = 150 feet
- Width = 20 feet

Area: \( 3000 \text{ ft}^2 = 333.33 \text{ sq yd} \)
Basin #16:

Drainage area = 71 Acres
10 year 10 minute Rainfall Rate = 7.5 inches/hr

Composite C values:

<table>
<thead>
<tr>
<th>Land use</th>
<th>A</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium density Residential</td>
<td>1.2</td>
<td>0.4</td>
</tr>
<tr>
<td>Recreational/open space</td>
<td>68.3</td>
<td>0.3</td>
</tr>
<tr>
<td>Water</td>
<td>1.5</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td>71 Acre</td>
<td></td>
</tr>
</tbody>
</table>

\[ C = \frac{(68.3 \times 0.3) + (1.2 \times 0.4)}{69.5} = 0.30173 \]

\[ C_{comp} = 0.302 \]

\[ Q = CIA = (0.302)(7.5)(71) = 160.67 \text{ cfs} \]

Cost Estimate:

Lagoon width = 200'
Lagoon length = 50'
Lagoon depth = 2'

Volume of excavation = (200)(50)(2) = 20,000 ft\(^3\)
\[ C \# 9/1yd^2 = \$66,666 \]
Restoration = 1700 ft\(^2\)
\[ C \# 3.50/62yd = \$59,501 \]
Basin #16: Cost Estimate

Regular Excavation:
- Width = 200 ft
- Length = 50 ft
- Depth = 2 ft

Volume = \((200)(50)(2) = 2000\) ft\(^3\)

= \(740\) yd\(^3\)

Restoration (vegetative filter strip plants):
- Width = \(200 + 10 + 10 = 220\) ft
- Length = \(50 + 10 + 10 = 70\) ft

Area = \(15400 \text{ ft}^2 = 1711.11 \text{ sf}\)
Basin # 59: Flow Calcs

Drainage Area = 605.3 Acres

10-year rainfall depth = 0.8 inches/hr
for a 3.75 hrs duration
(Estimated t_c = 3.75 hrs = 225 min)
9000' Channel, 300' Shore, 2000' Shallow

Composite C:

<table>
<thead>
<tr>
<th>Use</th>
<th>Acres</th>
<th>A</th>
<th>C</th>
<th>CA</th>
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<tbody>
<tr>
<td>Agricultural</td>
<td>307.4</td>
<td>0.25</td>
<td>76.85</td>
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<tr>
<td>Rec/openspace</td>
<td>205.8</td>
<td>0.13</td>
<td>61.74</td>
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<tr>
<td>Industrial</td>
<td>13.0</td>
<td>0.17</td>
<td>9.10</td>
<td></td>
</tr>
<tr>
<td>Residential Low Dens</td>
<td>10.2</td>
<td>0.35</td>
<td>3.57</td>
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<tr>
<td>Wetlands</td>
<td>57.3</td>
<td>0.15</td>
<td>8.60</td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>5.4</td>
<td>0.00</td>
<td>0.00</td>
<td></td>
</tr>
<tr>
<td>Transportation/util</td>
<td>6.2</td>
<td>0.08</td>
<td>4.96</td>
<td></td>
</tr>
</tbody>
</table>

\[
C_{\text{comp}} = \frac{164.82}{164.82} = 0.275
\]

\[
Q = CIA = (0.275)(0.8)(605.3) = 133.17 \text{ cfs}
\]

\[
Q_{\text{weir}} = CLH^{3/2} \quad \text{Assume} \quad C = 3.0
\]
\[
\text{Given} \quad L = 4.0', \quad H = 1.0'
\]
\[
134 = (3)(4)(x)^{3/2} \Rightarrow \frac{124}{12} = x^{3/2} \Rightarrow x = 5'
\]
Basin #60

Drainage Area = 37.6 Acres

Rainfall Rate for = 7.5 inches/hr

for a 10 year 10 min storm

Composite C calc:

Landuse Industrial 4.7 AC C = 0.7 ⇒ 3.29
Residential 19.9 AC C = 0.3 ⇒ 5.97
Trans/Util 13.0 AC C = 0.8 ⇒ 10.40

\[ \frac{CA}{A} = 0.523 \]

\[ \frac{CA}{A} = \frac{19.66}{37.6} \]

\[ Q = CA \times I \times A = (0.523)(7.5)(37.6) = 147.45 \text{ cfs} \]

Capture and filter the first flush of a 2 year storm

Max. Required Storage area = \( 3600 \text{ ft}^3 / \text{ AC} \)

\[ A = \left( \frac{3600 \text{ ft}^3}{\text{AC}} \right) (37.6 \text{ AC}) = 135,360 \text{ ft}^3 \]

Use 24" diameter pipe ⇒ SA = \( \left( \frac{94}{12} \right)^2 \times 3.14 \times 4 = 3.14 \text{ ft}^2 \)

\[ L = \frac{135,360 \text{ ft}^3}{3.14 \text{ ft}^2} = 43,108 \text{ ft of Exfiltration required for max TSS removal.} \]

According to the local contours it is feasible to place 300' of pipe on the north side of the outlet. There are some existing utilities on the north side and 300' south of the outlet.
Basin #108:

Sediment Trap Calculations:

Required volume = \( (3600 \text{ ft}^3/\text{Ac}) \times (2\text{ Ac}) = 7200 \text{ ft}^3 \)

Excavation volume = 7200 ft\(^3\) = 2662.67 yd\(^3\)

Rip Rap volume = \( (3 \text{ 'height}) \times (10 \text{ 'wide}) \times (5 \text{ 'long}) = 150 \text{ ft}^3 \)

\( x = 165 \text{ lb/ft}^3 \)

\( w = (165)(150) = 24750 \text{ lb/2000} = 12.375 \text{ tons} \)

Filter Fabric Material:

\( SA = (10 \text{ 'wide}) \times (10 \text{ 'long}) = 100 \text{ ft}^2 \)

Restoration

Sodding = \( (200 \text{ 'long}) \times (20 \text{ 'wide}) = 4000 \text{ ft}^2 \)
Basin #170:

Assume 50' row width
length 500' per sediment trap
height of weir 3'

Volume of each sediment trap = (50)(500)(3) = 75000 ft³

Total Available Volume = (2)(75000) = 150000 ft³

Soiling: (200' long)(50' wide) = 10,000,000 ft²

Regrout Excavation:

Sediment traps: (40' long)(5' deep)(6' wide) = 1200 ft³
= 14.44 yd³/ trap
= 88.88 yd³ total

Diversion Blocks: (2' tall)
5' wide
100' long

= 1000 ft² = 37.04 yd³

Required Rip Raps: (6' wide)(10' long)(3' deep) = 180 ft³
= 6.67 yd³/ trap

Channel lining = (2)(50' wide)(100' long)(1' deep) = 1000 ft³ = 37 yd³
= 13.33 yd³ total + 37 yd³ = 50.33 yd³

θ = 165.50° yd³

W = (50.33')(165') = 8311.75' = 1.5 tons

Filter Fabric: (4' wide) + (2)(4' wide) = 12' long
5' wide
Basin #180:

Required Volume = \((3600 \text{ ft}^3/\text{AC}) \times (64.8 \text{ AC}) = 233,280 \text{ ft}^3\)

Available Volume:

Propose: 50' of 42'' Exfiltration System

\[ L = 50', \quad A = \frac{(3.14)(42^2)}{4} = 9.616 \text{ ft}^2 \]

\[ V_{ol} = (50)(9.616) = 480.8 \text{ ft}^3. \]
Basin #188

Required Volume: 300 ft³/ac * 8.25 ac = 2,970 ft³

Proposed Volume: 900 ft² 42” Evap. Filter

\[ A = \left(\frac{4 \cdot 2}{12}\right)^2 \times \left(2 \cdot 3.14\right) \div 4 = 9.616 \text{ ft}^2 \]

\[ l = 900 \text{ ft} \]

\[ v = (900)(9.616) = 8,654.625 \text{ ft}^3 \]

Sodding:

\[ (1000\text{ ft})(20\text{ ft wide}) = 20,000\text{ ft}^2 \]

Maintenance Cost:

\[ (2 \text{ men})(2 \text{ days})(8 \text{ hrs/day}) = 32 \text{ man-hrs} \]

\[ ($75/\text{hr})(32 \text{ hrs}) = $2400 \]

Vac truck:

\[ ($300/\text{day})(2 \text{ days}) = $600 \]

Total Cost = $3000/year
Appendix C

Funding Sources Support Data
Funding Sources

This report, as outlined in Section 4, has identified a number of improvement to the selected basins for the Lake County area. When considering funding sources to help pay for related features, the traditional funding sources local governments rely on usually involve the creation of a stormwater utility (SU), a municipal service tax unit (MSTU) or municipal service benefit unit (MSBU) which may address stormwater and road drainage needs for a designated land area, or a general revenue tax or user fee source (i.e. one-cent sales tax on a specific good). Most grant programs will not fund general maintenance activities for local governments (i.e., ditch cleaning/dredging, road paving, bridge repair), as they consider these activities should be funded by the establishment of a utility dedicated to these maintenance or general revenue costs.

In addition to these options that may be adopted by local governments to levy when planning for the cost of these improvements, we have outline a number of external funding options local governments may tap to supplement their annual budget. Below is a brief list of alternatives to consider:

- Federally Funded Competitive Grant Programs
- Federally Funded Non-Competitive Earmarked Opportunities
- Federally Funded Appropriations Opportunities
- State Funded Competitive Grant Programs
- State Funded Appropriations Opportunities
- Private Funding Opportunities

Federally Funded Competitive Grant Programs

There are several competitive federally funded grant programs which address stormwater improvements and the construction or implementation of stormwater “Best Management Practices” (BMPs). However, all grant programs require a percentage of “funding match.” This match needs to be a non-federal match, such as dollars earmarked in local government’s stormwater utility, state, regional, local, private or in some cases in-kind monies.

The deadlines for these federal funded grant programs are advertised through a number of sources, including the Federal Register, Commerce Business Daily, and various web sites. Local governments are in a good position to apply for stormwater improvements funding, provided match can be identified.

Please refer to the comprehensive Grant Funding List for those federal grant funding
opportunities.

Federally Funded Non-Competitive Earmarked Opportunities

At the start of the Congressional session, Congress frequently earmarks (takes) funding from the competitive federally funded grant programs. Seizing up to 50% of the funding for "special congressional hand-picked (pork) projects," Congress may leave the remaining percentage to be utilized by the federal competitive grant program for that fiscal year. Once the congressional session begins, those applicants who lost funding due to the earmarking process may then apply for the now "non-competitive" earmarked congressional funds by submitting a congressional request form through their congressmen's or senators' office. In addition, other interested non-applicant parties may also participate in applying for these earmarked funds. If chosen, then the project is actually listed in the appropriation's bill adopted during the summer session for funding the following fiscal year.

Federally Funded Appropriations Opportunities

At the start of the Congressional session, both congressmen's and senators' offices solicit their district's citizenry for interest in submitting a congressional request form for their special project. This funding is discretionary and non-competitive. After meeting with congressional or senatorial staff, applicants will learn whether their representative will support the project for inclusion in the appropriations budget for a specific bill. If the project does not have the support of both their congressman's office and senator's office, then it will not be included in one or the other (or both) the appropriation bills and will not survive the final mark-up (revisions and writings) for the bill to be adopted. It is, therefore, imperative to coordinate with both offices to gain support within the districts and to follow-up on the mark-up sessions during the summer congressional work session. As with earmarked funds, if chosen the project is then listed in the appropriation's bill adopted during the summer session for funding the following fiscal year.

State Funded Competitive Grant Programs

There are several competitive state funded grant programs which address stormwater improvements and the construction or implementation of stormwater "Best Management Practices" (BMPs). However, all grant programs require a percentage of "funding match." This match needs to be a federal match, a local government stormwater utility, regional, local, private or in some cases in-kind

Funding Sources for Pollutant Reduction Study for the Upper PalaTkaha Chain of Lakes
Provided by Cape Canaveral Scientific, Inc.
May 7, 2003
The deadlines for these state funded grant programs are advertised through a number of sources, including the Florida Administrative Weekly, Federal Register, Commerce Business Daily, and various web sites. Local governments are in a good position to apply for stormwater improvements funding, provided match can be identified.

Please refer to the comprehensive Grant Funding List for those state grant funding opportunities.

State Funded Appropriations Opportunities

At the start of the state’s legislative session, both state representatives’ and state senators’ offices solicit their district’s citizenry for interest in submitting a legislative line item request form for their special project. Frequently, this solicitation is held in the form of a legislative workshops held in January. This funding is discretionary and non-competitive. After meeting with state representative and state senator staff, applicants will learn whether their representative will support the project for inclusion in the appropriations budget for a specific bill. If the project does not have the support of both their state representatives’ and state senators’ offices then it will not be included in one or the other (or both) the legislative appropriation bill(s) and will not survive the final mark-up (revisions and writings) for the bill to be adopted. It is therefore, important to coordinate with both offices to gain support within the districts and to follow-up on the mark-up sessions during the working summer legislative session. If chosen the project is then listed in the appropriation’s bill adopted during the summer session for funding the following fiscal year.

Private Funding Opportunities

There are some competitive privately funded grant programs which address stormwater improvements and the construction or implementation of stormwater “Best Management Practices” (BMPs). Some require a percentage of “funding match,” while some do not.

Deadlines for privately funded grant programs may be advertised locally in newspapers, through special interest newsletters, or via web sites. However, many private funding sources maintain “rolling” deadlines or quarterly submittals. Once a submittal or group of submittals has been received, the governing committee for these private funding sources (like a foundation’s executive committee) will frequently

Funding Sources for Pollutant Reduction Study for the Upper Palatka Kaha Chain of Lakes
Provided by Cape Canaveral Scientific, Inc.
May 7, 2003
meet, review the request and render a decision fairly quickly.

Unlike the federal and state funding opportunities, private grant funding opportunities usually target non-profit or no-governmental organizations (NGOs). For this reason private funding list was developed for this study.
Comprehensive Grant Funding Opportunities

<table>
<thead>
<tr>
<th>AGENCY/ORGANIZATION</th>
<th>PROGRAM</th>
<th>EMAIL LINK</th>
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<td>C H L I O M R</td>
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**AGENCY/ORGANIZATION**

**CORP HAT COMM SERV**

**PROGRAM**

**RETIRED SENIOR VOLUNTEER PROGRAM (RSVP)***

**EMAIL LINK**

http://nationalservice.org

Part of the Corp. for National and Community Service, the federal agency for community volunteer services. RSVP volunteers bring a community of talents to help solve local problems affecting their own neighborhoods depending on the education, training and work experience of the individual volunteer. RSVP volunteers must be 55 years of age or older and retired; they are available through non-profit private and public community organizations and some local governments. Volunteers are covered by accident and liability insurance while on assignment; they also receive help with incidental expenses incurred while volunteering, such as transportation. Funding provided by Congressional appropriation through the Corporation for National and Community Service. CONTACT: Corporation for National Service, 1201 New York Avenue, NW, Washington, D.C. 20525 PHONE: 202-606-5000

**AGENCY/ORGANIZATION**

**DOC National Oceanic & Atmospheric Administration**

**PROGRAM**

**COMMUNITY BASED HABITAT RESTORATION PROGRAM***

**EMAIL LINK**

http://www.nmfs.noaa.gov/habitat/restoration

Federal, state and local government agencies, nonprofit organizations and institutions can apply for funding to implement grass-roots habitat restoration projects that benefit marine and anadromous fish species, marine mammals and their habitats such as marshes, mangroves, seagrass beds and other coastal habitats and resources. Visit the website or contact NOAA at (301)713-0174.

**AGENCY/ORGANIZATION**

**DOI National Park Service**

**PROGRAM**

**URBAN PARK AND RECREATION RECOVERY PROGRAM***

**EMAIL LINK**

http://www.nps.gov/opser

Funds to rehabilitate existing neighborhood recreation areas and facilities. Funds may be used to remodel, rebuild or develop existing neighborhood recreation areas and facilities. Contact the SE Regional office in Atlanta regarding Recovery Action Programs. Areas in the SJRWMD area with approved RAP on file are Daytona Beach, Gainesville, Jacksonville, Melbourne and Orlando. More information is available from the regional office at (404)562-3175.

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.

Courtesy of SJRWMD
AGENCY/ORGANIZATION: DOI National Park Service
PROGRAM: RIVERS, TRAILS, & CONSERVATION ASSISTANCE PROGRAM *
EMAIL LINK: http://www.nps.gov/rlca

Authorized by the Wild and Scenic Rivers Act, Public Law 90-342, National Trails System Act, Public Law 90-343, Outdoor Recreation Act of 1963, Public Law 88-29 to advocate and assist community based conservation action, including river restoration and water quality enhancement. Services include short-term planning assistance, including studies and technical assistance for the assessment of resources, identification of land protection strategies, and organizational development. No federal funding is provided. Projects must demonstrate cooperation and commitment among affected public agencies and private interests, including the sharing of project costs. State and local agencies and nonprofit organizations are eligible. Project proposed must provide the opportunity to protect natural and/or cultural resources and enhance recreational opportunities. There must be significant public support for conserving the resource. CONTACT: National Park Service, Florida Field Office at (941)330-8307

AGENCY/ORGANIZATION: DOI US Fish & Wildlife Service
PROGRAM: HABITAT CONSERVATION USFWS COASTAL PROGRAM *
EMAIL LINK: http://verobeach.fws.gov/

Authorized by the Fish and Wildlife Coordination Act, August 8, 1956, Chapter 103, as amended, Federal Water Pollution Control Act of 1972, as amended, Public Law 92-500 to integrate Service activities in high priority coastal ecosystems by identifying the most important natural resource problems and solutions, influencing the planning and decision-making processes of other governmental and nongovernmental groups; implementing solutions through partnerships that result in on-the-ground results; instilling a stewardship ethic and catalyzing public action. Assistance available includes studies, technical/engineering support, education and cooperative habitat restoration and planning. Assistance is limited to 11 priority ecosystems. Any individual or organization working on coastal issues may apply. Significance of Trust resources present in the ecosystem, immensity of nature, presence of Service lands or Trust resources, and public or private support are required. NOTE: The Indian River Lagoon is a priority ecosystem. Contact the local Fish and Wildlife office in Vero Beach at 561-562-7909 ext. 271

AGENCY/ORGANIZATION: DOI US Fish & Wildlife Service
PROGRAM: NORTH AMERICAN WETLANDS STANDARD GRANTS
EMAIL LINK: http://www.nawamfws.gov/NAWCA/

Funds for the acquisition, restoration and enhancements of wetlands. Any organization who has a long-term partner based project with matching funds can apply. Funding available between $50,000 to $1,000,000. There is also a Small Grants program for projects requesting less than $50,000. More information is available by calling the NA Wetlands Conservation Council Coordinator at (703)358-1764.

AGENCY/ORGANIZATION: DOI US Fish & Wildlife Service
PROGRAM: ENVIRONMENTAL CONTAMINANTS NATURAL RESOURCE DAMAGE
EMAIL LINK: http://www.fws.gov/contaminants/Issues/Res

Provides funding for the assessment of damage to water quality and Trust resources from oil spills and/or other hazardous substance releases, so that the restoration or replacement of these injured resources are paid for by the responsible parties. On-the-ground restoration activities are paid for with damages collected from polluters because of oil spills and hazardous substance releases that injure water quality and Trust resources.

Restoration activities may involve matching-in-kind partnerships with nonfederal sources. Individuals or organizations interested in the restoration of fish and wildlife, including aquatic habitat and water quality may be eligible. A site-specific restoration plan with the potential to restore or replace the impaired resource is required. CONTACT: US Fish and Wildlife Service

Division of Environmental Contaminants 4401 N. Fairfax Drive, Arlington, VA 22203
Phone: 703-358-2148 Fax: 703-358-1800

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.
Courtesy of SJRWMD
Identifies and assesses the effects of contaminants on Fish and Wildlife Service lands, trust resources, and other biological resources on and off Fish and Wildlife Service lands. Services include short and medium duration studies/investigations of contaminant exposure and effect, including monitoring and technical assistance to develop an information base for use by decision makers concerning detecting, avoiding, or correcting contaminant problems. Individuals and organizations with a need for information on exposure or effects of contamination on fish and wildlife resources are eligible. Applicants must provide matching funds or in-kind services.

CONTACT: US Fish & Wildlife Service, Division of Environmental Contaminants, 4401 North Fairfax Dr., Suite 322, Arlington, Virginia 22203 Phone: (703)358-2148

Pursues opportunities and cooperative efforts with other government agencies and private partnerships to protect, restore and enhance fish and wildlife habitats; provides technical assistance to the private sector to maximize wildlife conservation in wetlands, associated uplands, and riparian areas, and advocates conservation and enhancement of fish and wildlife resources and habitats that may be affected by energy and water resource development. Services include technical assistance and advanced planning/consultation services. Available to any individual or organization needing technical assistance in satisfying requirements for federally funded projects or federally authorized permits or licenses. CONTACT: US Fish and Wildlife Service Division of Habitat Conservation 4401 Fairfax Dr., Arlington, VA 22203 Phone: 703-358-2161 Fax:703-358-2232

Authorized by the Coastal Wetlands Planning, Protection, and Restoration Act, Public Law 101-646, Title III, provides competitive grants to facilitate the comprehensive restoration enhancement, and acquisition of coastal wetlands. Coastal states are eligible to apply. Proposals must conform to requirements described in the grant application guidance.

CONTACT: US Fish and Wildlife Service Branch of Habitat Conservation 4401 N. Fairfax Drive, Arlington, VA 22203 Phone: 703-358-2201 Fax:703-358-2232

Authorized to prevent the adverse effects of contaminants to trust resources. Technical and engineering support is available. No federal financial assistance is provided. Individuals and organizations may be eligible. A need for technical assistance in order to satisfy requirements for federally funded projects or federally authorized permits, licenses, or other federal approvals involving water resources and endangered species is required.

CONTACT: U.S. Fish and Wildlife Service Division of Environmental Contaminants 4401 North Fairfax Drive, Arlington, VA 22203 Phone: 703-358-2148 Fax: 703-358-1800

Authorized by the North American Wetlands Conservation Act of 1989, Public Law 101-233 to support a strategy for cooperative public/private wetland habitat conservation that will reverse the decline in waterfowl and other wetland wildlife species in the United States, Canada and Mexico. Grants are available to public and private participants (partners) who must contribute at least one dollar for every grant dollar received. Program/proposals must be consistent with provisions of a Canada/US/Mexico agreement-the North American Waterfowl Management Plan. CONTACT: US Fish and Wildlife Service North American Waterfowl and Wetlands Office 4401 North Fairfax Drive, Arlington, VA 22203 Phone: 703-358-1784 Fax: 703-358-2282

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.
Grants are classified under different categories:

C - Construction
H - Habitat restoration
L - Land Acquisition
I/O - Information and outreach activities (includes environmental education)
M - Management
R - Research

FDCA Florida

AGENCY/ORGANIZATION
FDOT
PROGRAM
WETLAND MITIGATION
EMAIL LINK
http://www.dot.state.fl.us/fdot/GRANTS/GRANTS

AGENCY/ORGANIZATION
FDOT
PROGRAM
NAI/ HIGHWAY/SURFACE TRANS PROGRAM
EMAIL LINK
http://www.dot.state.fl.us/fdot/GRANTS/GRANTS

AGENCY/ORGANIZATION
FDOT
PROGRAM
WETLAND MITIGATION
EMAIL LINK
http://www.dot.state.fl.us/fdot/GRANTS/GRANTS

Grants and project grants, technical engineering support, research, and education. Funding levels are established by statute. Expenditures must be reasonable and must fall within statutory limitations and formula-based apportionments. Applicants must be bona fide state and/or local transportation agencies and must comply with all Federal regulations and policies set forth under the Federally-aid Highway and Transit Assistance Programs.

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.
A public/private partnership program where citizen groups can adopt a section of state highway with a two-year commitment of keeping their section free and clean of litter. The state incurs all costs, provides citizen volunteers to communities to help beautify sections of state roads through litter clean-up. Program is open to all interested community groups. See Adopt-A-Highway guidelines, which are available via the web by calling 1-800-226-5488.

The LAP provides project funding and technical assistance to local governments interested in implementing federal-aid transportation projects under the federal Intermodal Surface Transportation Efficiency Act (ISTEA). General purpose local governments (municipalities and county governments) are eligible to apply. CONTACTS: FL DOT Local Agency Program (LAP) Administrators Statewide. LAP Administrator: Construction Office, FL Dept of Transportation 605 Suwannee St., Tallahassee, FL 32301 P/O: (850)488-4756 District Level:
District 4 (Broward, Indian River, Martin, Palm Beach and St. Lucie counties) PH: (954) 777-4684
District 5 (Brevard, Flagler, Lake, Marion, Orange, Osceola, Seminole, Sumter, Volusia counties) (407)623-1085

Funding and project grants, technical/engineering support, research and education. Funding level is established by statute. Expenditures must be reasonable and must fall within statutory limitations and formula-based appropriations. Applicants must be bona fide state and/or local transportation agencies/project sponsors and must comply with all federal regulations and policies set forth under the Federal Aid Highway and Transit Assistance Program. CONTACTS: State and local transportation agencies and/or departments.

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.
Courtesy of SJRWMD
The Florida Communities Trust provides grant and loan assistance to local governments for the acquisition of conservation and outdoor recreation lands that are needed to implement local government comprehensive plans. Florida municipalities and county governments that qualify for the Florida Communities Trust Program must have a permanent population of less than 10,000 people and county governments within the State of Florida average of $19,107 (1990). Project planning, design and permitting do not have to be completed to qualify. The program will fund new wastewater management facilities such as sewers, treatment plants, effluent disposal systems, and reclaimed water reuse facilities. Funding also is available for the replacement of existing facilities. A partial match is required. Contact: Florida Department of Environmental Protection, Bureau of Water Facilities Funding, MS 8305, Tallahassee, FL 32399-2400 Phone: (850)922-2207 Fax (850)921-1747.

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<td>STORMWATER STATE REVOLVING FUND LOAN PROGRAM</td>
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<td>TRANSPORTATION OUTREACH PROGRAM</td>
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<td>FL Dept. of Agriculture Forestry</td>
<td>EMERGENCY FORESTRY INCENTIVE PROGRAM</td>
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Emergency tree planting assistance is available to private non-industrial forest landowners with less than 5,000 acres whose forests were damaged by wildfire, flood, insects or drought between 1/1/98 and 12/31/00. Contact your county forester or NRCS office for details.

A = Applicable to Lake County study

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**Grants are classified under different categories.**

- **C** - Construction
- **H** - Habitat restoration
- **L** - Land Acquisition
- **I/O** - Information and outreach activities (includes environmental education)
- **M** - Management
- **R** - Research

Funds to implement projects that will further state and local emergency management objectives. Multiple proposals may be submitted although no single applications may request or receive more than $300,000. Projects should promote public education on disaster preparedness and recovery issues, enhance coordination of relief including public-private business partnerships, improve training and operations capabilities of lead agencies responsible for emergency management. Further information is available at DCA, Div. Of Emergency Management at (850)910-1595 or the DCA website.

Funding for the rehabilitation (includes demolition and replacement) of substandard housing, site development activities, and improvement and construction of public and commercial facilities. Contact Dept. of Community Affairs at (850) 487-3644 for more information.

Funding is available under the Florida Small Cities CDBG Program to small non-entitlement cities and counties for economic development, job creation/retention activities. Information is available from the Dept. of Community Affairs at (850) 487-3644.

Funding to communities that successfully demonstrate active involvement of area stakeholders in the planning and implementation process to revitalize the urban infill and redevelopment area. Guidance and further information may be obtained by calling DCA at (850)922-6070 or at the DCA website.

**A = Applicable to Lake County study**

Provided by Cape Canaveral Scientific, Inc.

Courtesy of SJRWMD
AGENCY/ORGANIZATION | PROGRAM | EMAIL LINK
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FL Dept. of Community Affairs | MUNICIPAL COMPETITIVE GRANT PROGRAM | www.dca.state.fl.us/cgrants.html

**Funds to municipalities that are legally constituted, have an authorized, established and maintained emergency management program and have signed the Statewide Mutual Aid Agreement. Projects should promote public education on disaster preparedness and recovery issues, enhance coordination of relief including public-private business partnerships, improve training and operations capabilities of lead agencies responsible for emergency management. Further information is available at DCA, Div. Of Emergency Management at (850)410-1193 or the DCA website.**

AGENCY/ORGANIZATION | PROGRAM | EMAIL LINK
--- | --- | ---
FL Dept. of Community Affairs/Coastal Mgmt. | WATERFRONTS FLORIDA PARTNERSHIP GRANTS | http://www.dca.state.fl.us/lfem/FCMF/water

**Innovative support (technical assistance, training and funding) for communities to revitalize declining waterfront districts (areas that have been dependent on water for economic activities). Emphasis is on environmental and cultural resource protection, support of traditional waterfront economy, hazard mitigation and public access to working waterfronts and coastal resources. Coastal cities and counties eligible to apply. More information is available by calling (850)222-9813 or at the DCA/FCMF website.**

AGENCY/ORGANIZATION | PROGRAM | EMAIL LINK
--- | --- | ---
FL Dept. of Environmental Protection | NATURAL RESOURCE DAMAGE RESTORATION FUNDING | http://www.dep.state.fl.us/law/bcr/NRDA_R

**Grants available to local governmental entities, state agencies, and non-profit organizations to restore damaged natural resources damaged by petroleum discharges or enhance response capabilities. Contact FDEP’s Bureau of Emergency Response, FDEP 3900 Commonwealth Blvd, MS59, Tallahassee, FL 32399 or call (850) 488-2974.**

AGENCY/ORGANIZATION | PROGRAM | EMAIL LINK
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FL Dept. of Environmental Protection | WASTEWATER STATE REVOLVING FUND (SRF) LOAN PROGRAM | http://www.dep.state.fl.us/water/wsfwwwEd

**Provides low-interest loans (3% below current market rate) to local governments for planning, designing and constructing wastewater facilities. FDEQ solicits project information each year during the January to March period. The information is used to establish project priorities for the following annual cycle. Funds are made available for Preconstruction and construction loan. Submit Request for Inclusion on a Priority List form CONTACT: Bureau of Water Facilities Funding, FL Dept. of Environmental Protection, 2600 Blair Stone Rd., MS3505, Tallahassee, FL 32399-2400 P: (850) 488-8163 or SC 278-8163 FAX: (850) 921-2769.**

AGENCY/ORGANIZATION | PROGRAM | EMAIL LINK
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FL Dept. of Environmental Protection | POLLUTION CONTROL BOND LOAN PROGRAM | http://www.dep.state.fl.us/water/wvfbglilefx

**These LOANS may be made from proceeds of bonds sold by the state. Such loans may be used to finance water supply and distribution facilities, wastewater, stormwater control and treatment, solid waste and air pollution facilities. Local governments (municipalities, county governments, special districts or authorities) are eligible. There are no deadlines for applications. CONTACT: Bureau of Water Facilities Funding, FL Dept. of Environmental Protection, 2600 Blair Stone Rd., MS3505, Tallahassee, FL 32399-2400 P: (850) 488-8163.**

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.

Courtesy of SJRWMD
This grant can be used for implementation of nonpoint source management controls. State agencies, water management districts, local governments, non-profit corporations and universities are eligible to apply. Projects must take place within a federal Clean Water Act priority watersheds. Funding is provided through the US EPA, authorized under Section 319 of the federal Clean Water Act. A minimum 40% non-federal match is required. Proposals are due each year on 1 July. CONTACT: Greg Knecht, Division of Water Facilities, Stormwater and Nonpoint Source Management Section, FL Dept. of Environmental Protection, 2600 Blair Stone Rd., MS 3570, Tallahassee, FL 32399-2400. Phone: (850) 488-3605. Email: greg.knecht@dep.state.fl.us

A federal program that provides funding to public and private recreational boating facilities to install or renovate pump out or waste dump reception facilities. Funding provided through 25% matching grant, 75% reimbursement grant. Public and private marinas are eligible. Maximum grant is $50,000 with funding provided by USFWS. Grant must provide a 25% percent match. Competitive application process; grant cycle typically includes a full deadline, applications accepted year round. CONTACT: Jan R. Delaney, Grants Program Manager, Division of Water Facilities, FL Dept. of Environmental Protection, MS 665, 3900 Commonwealth Blvd., Tallahassee, FL 32399-3000. Phone: (850) 488-5600 ext. 178.

Funding for capital costs and operating subsidies to assist local governments in recycling paper, glass, plastic, construction and demolition debris, white goods, and metals, and in composting organic materials. Eligible projects include: recycling programs for allowable materials and education projects directly related to recycling. Funding is provided by reimbursement. Florida county governments and municipalities may apply separately with matching requirements. This is a formula grant based on population of each respective county's incorporated and unincorporated areas, and interlocal agreements. The source of funding is the Solid Waste Management Trust Fund. CONTACT: Solid Waste Management Section/Bureau of Solid and Hazardous Waste, Florida Dept. of Environmental Protection, 2600 Blair Stone Road MS 4570, Tallahassee, FL 32399-2400. Phone: (850) 487-4337.

Funds originate at the National Parks Service and are administered through FDEP. Local governments are eligible to apply for funds for projects whose sole purpose is to provide outdoor recreation opportunities to the public. Funds may be used for land acquisition, construction, expansion, renovation/repair and installation of primary and support facilities. Maximum grant is $150,000. A 50% match is required. Info is available from FDEP by calling (850) 488-7896.

FRDAP is a competitive program that funds local outdoor recreation projects. All municipalities and county governments of the State of Florida are eligible. The source of funding is the State Land Acquisition Trust Fund. Match requirements vary according to the total project. CONTACT: Bureau of Design and Recreation Services, FL Dept. of Environmental Protection, 3900 Commonwealth Blvd., MS 585, Tallahassee, FL 32399-3000. Phone: (850) 488-7896. Fax: (850) 488-3665.

A = Applicable to Lake County study
Provided by Capo Canaveral Scientific, Inc.
Courtesy of SJIHFMD
**AGENCY/ORGANIZATION**

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<th>FL Dept. of Environmental Protection</th>
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<tr>
<td><strong>GREENWAYS AND TRAILS ACQUISITION PROGRAM</strong></td>
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<td><strong>FLORIDA BEACH EROSION CONTROL PROGRAM</strong></td>
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<td><strong>RECREATIONAL TRAILS PROGRAM</strong></td>
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Formerly known as the Florida Rail-to-Trails Program, this program provides acquisition funds for the purchase and development of greenways and trails for recreational and conservation purposes. Federal, state and local governments, non-profit organizations, and individuals are eligible. CONTACT: Office of Greenways and Trails FL Department of Environmental Protection 3900 Commonwealth Blvd., MS 795, Tallahassee, FL 32399-3000 Phone: (850) 488-3701

RTP is a competitive program that provides grants for projects that provide, renovate or maintain recreational trails, trailhead and trailside facilities. Match funding is required. For more information contact FDEP Office of Greenways and Trails, 3900 Commonwealth Blvd. MS795, Tallahassee, FL 32399-3000 or phone (850)488-3701

Established to work with local, state and federal govt. entities to achieve protection, preservation and restoration of the coastal sand beach resources of the state. Eligible activities include: beach restoration and maintenance, project design and engineering studies, environmental studies and monitoring, inlet management planning, inlet sand transfer, dune restoration and protection activities, dune walkover construction, and other beach erosion prevention related activities. Financial and technical assistance is available to county and municipal governments, or special taxing districts with the responsibility of erosion prevention or beach and shore protection. Funding is provided by an annual state legislative line item appropriation. A match of up to 60% of the project costs is necessary. Other state grant-in-aid funds may not be used as a local match. Applications are due by March 31 of each year. CONTACT: Bureau of Beaches and Coastal Systems/ Division of Water Facilities/Division of Environmental Resource Permitting FL Dept. of Environmental Protection 3900 Commonwealth Blvd., MS 300, Tallahassee, FL 32399-3000 Phone: (850) 487-1262 SC277-1262

Property is made available as a donation from the federal government through the Bureau of Federal Property Assistance (BFPA) and Florida Dept. of Management Services (DMS). Service charges are assessed by DMS/BFPA for costs of administering the program. Distribution centers are located in Tallahassee, Marianna and Starke. Items available include reusable and sometimes new surplus personal property (heavy equipment, motors, trucks, tools, furniture, etc.), specialized needs for drug law enforcement, Public agencies (municipalities, county governments, public schools, etc.) and private non-profit health and education organizations are eligible. There is a special program for law enforcement agencies for drug interdiction efforts. Availability is limited only to the extent property is needed and available. The funding source is federal government agencies (90% from the US Dept. of Defense). Some restrictions apply on use and disposal of property acquired. Application may be made yearly round. CONTACT: Eligibility Clerk Bureau of Federal Property Assistance FL Dept. of Management Services 813-A Lake Bradford Road, Tallahassee, FL 32304 PH: (850)488-3524 or SC278-3524 FAX: (850)487-3222

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.

Courtesy of SJRWMD
Grants are classified under different categories.

C - Construction
H - Habitat restoration
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M - Management
R - Research

AGENCY/ORGANIZATION
FL Dept. of State
PROGRAM
SPECIAL CATEGORY GRANTS

Departments and agencies of the State, universities, cities, counties and nonprofit organizations may apply for these funds to assist in major archaeological excavations, large restoration projects at historic structures and major museum exhibits involving the history of Florida. Funding amount are $50,000-$250,000 and are dependent on legislative appropriation. Contact the Division of Historical Resources, Section Administrator at (850) 487-2333.

AGENCY/ORGANIZATION
FL Dept. of State
PROGRAM
MUSEUM GRANTS

Nonprofit Florida history museums (that are NOT agencies of the state) are eligible to apply for funds to assist with annual operating expenses and support the development of educational exhibits relating to Florida history. Operating support grants fund technical, curatorial, administrative and educational costs associated with the daily workings of museum facilities. Public education grants which are also available to departments or further information may be obtained by contacting the Section Administrator at (850) 487-2333 MAXIMUM OPERATING GRANT IS $75,000, MAXIMUM EDUCATIONAL EXHIBIT GRANT IS $35,000. Both require a 50% match.

AGENCY/ORGANIZATION
FL Dept. of State
PROGRAM
HISTORIC PRESERVATION GRANTS

State agencies, local governments, universities and non-profit organizations can apply for funds to assist in the identification, excavation, protection and rehabilitation of historic and archaeological sites in Florida; provide public information about these important resources. More information is available at the Dept. of State website or by calling the Section Administrator at (850) 487-2333 MAXIMUM GRANT AMOUNT IS $40,000. A 50% cash or in-kind match is required.

AGENCY/ORGANIZATION
FL Dept. of Transportation
PROGRAM
FL HIGHWAY BEAUTIFICATION COUNCIL GRANT

Provides highway landscaping grants for state roads. Funding is contingent upon having construction-ready road plans and the signing of a maintenance agreement with the FDOT office for the project area. This is a 50/50 matching grant program. Individuals, organizations and governments are eligible. A 50/50 match is required CONTACT: FL Department of Transportation 605 Suwannee St., MS 37, Tallahassee, FL 32399-0450 Phone: (904) 922-7210 or SC292-7210

AGENCY/ORGANIZATION
FL Fish & Wildlife Conservation Commission
PROGRAM
DERELICT VESSEL REMOVAL GRANT PROGRAM

Designed to serve coastal local gov'ts. by assisting with their cost to remove derelict vessels from coastal waters. Vessels are declared derelict by Florida Marine Patrol district office. Funding in the form of reimbursements. All coastal local gov'ts. eligible. Source of funding is the FL Coastal Protection Trust Fund (Chapter 376.15, Florida Statutes). No match is required. Contact: Florida Fish & Wildlife Conservation Commission Division of Law Enforcement 620 Meridian St. Tallahassee, FL 32399-1600 (850)488-5600 ext. 173

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.
Courtesy of SJRWMD
AGENCY/ORGANIZATION: FL Fish & Wildlife Conservation Commission

PROGRAM: MARINE ARTIFICIAL REEF DEVELOPMENT PROGRAM

Provides monetary grants to reimburse coastal local governments for funds expended to build artificial reefs. Coastal municipalities and county governments are eligible. Grants cover the costs of engineering, bottom surveys, material transportation and deployment costs of artificial reefs; projects must be completed in one year; state projects may also include follow-up monitoring and typically run one to two years.

CONTACT: Artificial Reef Program/Office of Fisheries Management and Assistance Services, FL Fish & Wildlife Conservation Commission 2590 Executive Center Circle East, Suite 201 Tallahassee, FL 32301 Phone: (850)487-0123 Fax: (850)922-0463

EMAIL LINK: http://fish.state.fl.us/fw/marine

AGENCY/ORGANIZATION: FL Fish & Wildlife Conservation Commission

PROGRAM: MARINE RESOURCES GRANTS PROGRAM

Provides monetary grants to support the Florida FWC and the MFC. No match is required; multi-year grants are not available. Reimbursement may be used for grants that promote a broad range of natural resource stewardship, restoration, enhancement and education activities and programs. Proposals are solicited in the fall.

CONTACT: Division of Marine Resources, FL Fish & Wildlife Conservation Commission 2590 Executive Center Circle East #201 Tallahassee, FL 32301 Phone: (850)487-0554

EMAIL LINK: http://fish.state.fl.us/fw/marine

AGENCY/ORGANIZATION: FL Fish & Wildlife Conservation Commission

PROGRAM: FLORIDA BOATING IMPROVEMENT PROGRAM

Provides for the improvement of recreational boating facilities and the enhancement of existing sites, aquatic plant control and education. Municipalities are urged to apply cooperatively through their county government.

CONTACT: FBIP@fwc.state.fl.us

EMAIL LINK: http://fish.state.fl.us/fw/marine

AGENCY/ORGANIZATION: FL Fish & Wildlife Conservation Commission

PROGRAM: SAVE OUR STATE ENVIRONMENTAL EDUCATION GRANTS PROGRAM

Administered by the Game and Fresh Water Fish Commission, the program considers proposals for environmental education projects that involve development of high quality, model education programs and materials that serve to foster an awareness of, and an appreciation for, responsible behavior on behalf of Florida’s environment. Public and private sector organizations are eligible for funding for environmental education programs and projects. Funds are provided from a portion of the fees from panthers and manatees license plates. To request that your name be added to the RFP mailing list, contact the office below.

CONTACT: Grants Manager, Florida Advisory Council on Environmental Education, Game and Fresh Water Fish Commission 230 Holland Building, Tallahassee, FL 32339-1400 Phone: (850) 487-0123/SC292-4140 Fax: (850)488-4959

G - Construction
H - Habitat restoration
L - Land Acquisition
I/O - Information and outreach activities (includes environmental education)
M - Management
R - Research

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.
Courtesy of SJRWMD
### AGENCY/ORGANIZATION

**FL Rural Water Association**

**Program**

**FL RURAL WATER ASSOCIATION**

- **CH**
- **L**
- **I/O**
- **M**
- **R**

- **Email Link**
  

**Description**

Provides on-site technical assistance. The Association has over $250,000 worth of technical assistance equipment which is available for use or loan, including leak detectors, meter testers, and cameras, and smoke testing equipment. 

**CONTACT**

Florida Rural Water Association 2270 Wellington Circle W, Tallahassee, FL 32308 Phone: (850) 668-2746

### AGENCY/ORGANIZATION

**Florida Inland Navigation District**

**Program**

**FLD COOPERATIVE ASSISTANCE PROGRAM**

- **CH**
- **L**
- **I/O**
- **M**
- **R**

- **Email Link**
  
  [www.aiwcw.org](http://www.aiwcw.org)

**Description**

Recognizing the importance and benefits of inland navigation channels and waterways, and noting problems associated with the construction, continued maintenance and use of these waterways, the navigation districts are authorized to undertake programs to alleviate the problems associated with its waterways. Eligible state agencies may be provided financial assistance, support or cooperation in planning, acquisition, development, operation or the maintenance of public navigation, public recreation, fire management, environmental education and housing safety projects directly related to the waterways. All financial assistance and support to state agencies shall require matching funds from the project sponsor with the exception of public navigation, law enforcement and environmental education projects.

**CONTACT**

FL Inland Navigation District, 1314 Marcinski Rd, Jupiter, FL 33477 Phone: 561-627-3386

### AGENCY/ORGANIZATION

**ICMA**

**Program**

**INTERNATIONAL CITY/COUNTY MANAGEMENT ASSOCIATION ENVIRONMENTAL PROGRAMS**

- **CH**
- **L**
- **I/O**
- **M**
- **R**

- **Email Link**
  
  [www.icma.org](http://www.icma.org)

**Description**

Seeks to enhance the quality of local government environmental management through information sharing, technical assistance programming, research, and the building of partnerships among concerned stakeholders. Initiatives include: The Environmental Policy and Regulation Program, Environmental Mandates Task Force, Superfund Consortium, Environmental Management., Community Development Program, The Source Reduction Program, ICMA/EPA Annual Household Hazardous Waste Management Conference, The Environmental Justice Program, The Superfund Assistance Program assists communities grappling with the legal, financial and political challenges of remediating Superfund sites through outreach and regional workshops. The Environmental Health and Safety Program provides outreach and technical assistance to improve environmental and public health conditions. The SARA Title III Peer Exchange Program offers individualized peer-to-peer training and assistance to local government officials and their emergency planning committees.

**CONTACT**

Director of Environmental Programs/Deputy Director, Research and Development, International City/County Management Association, 777 North Capitol St., NE Suite 500, Washington, DC 20002-4201 Phone: (202) 602-3649 Fax: (202) 602-3500

### AGENCY/ORGANIZATION

**National Science Foundation**

**Program**

**WATER & WATERSHEDS RESEARCH**

- **CH**
- **L**
- **I/O**
- **M**
- **R**

- **Email Link**
  

**Description**

This is a joint National Science Foundation/EPA special awards competition to support interdisciplinary teams joining the physical, biological and socioeconomic sciences and engineering in research on water quality and related land resource issues. Research goals include developing an improved understanding of the natural and anthropogenic processes that govern the quantity, quality, and availability of water resources in natural and human-dominated systems. Awards depend on the quality of research proposed and the availability of funds. A cost share of at least 1 percent is required. Scientists, engineers, and educators at colleges, universities, and other not-for-profit institutions in the United States are eligible to apply through their institutions. Organizations affiliated with local, state or federal government units may participate in a supporting role but cannot be the lead program applicant. Compliance with OMB Circular A-110 is required.

**CONTACT**

National Science Foundation, Directorate for Biological Sciences, Executive Officer, 4201 Wilson Blvd., Arlington, VA 22230 Phone: 703-306-1400 Fax: 703-306-0367 E-Mail: [jleifolk@nsf.gov](mailto:jleifolk@nsf.gov)

*National Science Foundation, Directorate for Geosciences, Division of Earth Sciences, Special Projects Section Director 4201 Wilson Blvd, Arlington, VA 22230 Phone: 703-306-1553 Fax: 703-306-0367 E-Mail: [imhoopreg@nsf.gov](mailto:imhoopreg@nsf.gov)

*OR EPA, National Center for Environmental Research and Quality Assurance, 401 M St. SW, *Washington, DC 20460 Phone: 202-260-5779 or 5983 Fax: 202-260-0211

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A = Applicable to Lake County study

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<td>Supports interdisciplinary research on how chemical and biological processes in nature affect water quality. Scientists, engineers, and educators at colleges, universities, and other not-for-profit institutions in the United States are eligible to apply through their institutions. Organizations affiliated with local, state, or federal government units may participate in a supporting role but cannot be the lead program applicant. Compliance with OMB Circular A-110 is required. CONTACT: National Science Foundation. Division of Earth Sciences. Director, Environmental Geochemistry and Biogeochemistry Program. 4201 Wilson Blvd., Arlington, VA 22230. Phone: 703-306-1549. Fax: 703-306-0382.</td>
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<td>National Science Foundation</td>
<td>HYDROLOGIC SCIENCE RESEARCH PROGRAM</td>
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<td>Supports research in hydrologic science on the quality of waters in streams and aquifers. Scientists, engineers, and educators at colleges, universities, and other not-for-profit institutions in the United States are eligible to apply through their institutions. Organizations affiliated with local, state, or federal government units may participate in a supporting role but cannot be the lead program applicant. Compliance with OMB Circular A-110 is required. CONTACT: National Science Foundation. Division of Earth Sciences. Director, Hydrologic Science Program. 4201 Wilson Blvd., Arlington, VA 22230. Phone: 703-306-1549. Fax: 703-306-0382.</td>
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<td>National Science Foundation</td>
<td>NATIONAL SMALL FLOWS CLEARINGHOUSE</td>
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<td>Established in 1977 under the Clean Water Act, the NSF has become a respected national source of wastewater treatment information. NSF publishes five newsletters featuring technical articles about small community wastewater treatment issues, and articles about science, regulations, and legislation. NSF also publishes the only journal devoted to wastewater treatment issues. NSF offers grants to help small communities. CONTACT: National Small Flows Clearinghouse, West Virginia University, PO Box 6064, Morgantown, WV 26506-6064. TOLL-FREE: 1-800-624-8301 OR PH: (304)293-3119 FAX: (304)293-3161.</td>
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<td>Florida's only multi-purpose regional entity in a position to plan and coordinate intergovernmental solutions to growth-related problems on greater-than-local issues, provide technical assistance to local governments, and meet other needs of the communities in each region. Technical assistance includes preparation of comprehensive plans and site development plans, preparation of annexation studies, and other programs management-related studies and reviews. Grant writing assistance for Community Development Block Grants, Preservation 2000 grants, IDOT Enhancement Funds grants, EDCY Recreation Development Assistance Program (FRDAP) grants. Economic Development Administration (EDA) grants, infrastructure-related grants, and grants for flood recovery and mitigation are available. Hazardous materials emergency response training is available. CONTACT: E. Central Florida RPC (Hillsborough, Lake, Orange, Volusia, Osceola, Seminole), 1100 Wymore Rd., #105, Winter Park, FL 32789. Ph: (407)223-1958. Fax: (407)223-1084.</td>
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The SFWMD solicits proposals under this program from government and nonprofit organizations for habitat restoration, water quality improvement, and environmental education projects. SFWMD administers proceeds from the sale of Indian River Lagoon license plates in St. Lucie, Martin, and Palm Beach counties. CONTACT: SFWMD, PO Box 24680, W. Palm Beach, FL 33416-4680. PH: (561) 687-6384 or SC229-6384

This SFWMD project addresses capital cost proposals for cooperative cost-share alternative water supply projects located within the districts' resource caution areas. These are 50/50 cost-shares. CONTACT: Jim Robinson, Contracts Manager. SFWMD, PO Box 24680, W. Palm Beach, FL 33416-4680. PH: (561) 687-6373 or SC229-6373

Proposals need to meet these criteria: 1) Project outcomes focus on developing sustainable ag. Systems or move existing systems toward sustainable ag. 2) Central purpose must be research based with an ed/outreach component. Priority areas were limited resource farmers/smaller than average holdings with or limited access to substantial amounts of off farm income. Organic farming systems, environmentally sound practices/agricultural ecosystems; marketing/economic development and emerging issues such as sustainable energy sources for on-farm use, recycling and reuse of ag inputs, impact of new technology and public policy on sustainability; sustainability issues surrounding precision ag and genetically modified organisms. Calendar for 2001: opening announcement June 1, 00; Pre-proposals due Aug. 31, 00; Invitation for full proposals Nov. 13, 00; full proposals due 1/19/01 grant awards April/01. Funding levels for 00 were $1.8 mil with funding for 01 anticipated to be about the same. More information is available by contacting the Grants Coordinator at (772)229-3350

The goal of this program is to support stormwater management efforts which promote flood control, demonstrate Best Management Practices (BMPs), and implement stormwater utilities or other water quality management projects. Qualified respondents include governmental agencies, municipalities, counties, special districts, and other public entities within the District's 19 county area. Interested private utilities and private not-for profit corporations may participate in stormwater management projects with other eligible applicants, contributing to a proposal which is submitted by a qualified public respondent. Successful projects would be expected to have additional funding from or in-kind services from sources other than the district. CONTACT: SJRWMD Office of Policy and Planning, PO Box 1429, Palatka, FL 32178-1429 PH: (386)329-4402

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.
Courtesy of SJRWMD
The SJRWMD Governing Board approved funding to provide matching grants to potential suppliers and users of reclaimed water to cover the costs of assessing the feasibility of specific reuse projects. The purpose of this grant program is to encourage the reuse of reclaimed water in order to relieve growing demands placed on natural supplies of freshwater. Funds from this program may be used to perform reuse feasibility studies required by SJRWMD consumptive use permit conditions or for voluntary projects. Any potential supplier or user of reclaimed water is eligible for cost sharing, including public and investor-owned utilities, local governments, private companies and individuals within the District's 19 county area. SJRWMD will cost-share a maximum of 50% of total project costs; successful projects would be expected to have additional funding from sources other than SJRWMD. There is no deadline; interested parties may request cost-sharing support by submitting a letter and scope of services for the feasibility services.

CONTACT: Don Brandes, Water Conservation Program Manager
Dept. of Resource Management, SJRWMD PO Box 1429, Palatka, FL 32178-1429

A cost share program to assist water suppliers and users in the development of alternative water supplies. Grants may be used only for the payment of capital and infrastructure costs associated with the development of alternative water supplies, such as the reuse of reclaimed domestic wastewater, stormwater, and brackish or saline water. Grants are available to a wide range of water suppliers and users, including local governments; water, wastewater, and reuse utilities; municipal, industrial, and agricultural water users; and public and private users within the District’s 19 county area. SJRWMD will cost-share a maximum of 50% of total project costs; the construction for which the funds are granted must be complete before SJRWMD will disburse the funds; utilities and local governments who receive funds disbursed under this program must meet the following conditions: (a) pollution control must favor use of reclaimed water, promote conservation of fresh water, and provide fair distribution of costs; (b) the project must be consistent with local government comprehensive plans; and (c) hook-up to the alternative supply system is mandatory.

CONTACT: Carol Taylor, SJRWMD P.O. Box 1429 or (386)321-7814

The TPL is a national, non-profit conservation organization that protects land for people. TPL's Conservation Services Program is a full-service greenway and scenic assessment program that offers technical assistance, public education and outreach, community organizing, and acquisition expertise to local governments, land trusts, citizen groups, private landowners and public agencies for greenway, park planning and scenic assessment projects. To date in Florida, the Conservation Services Program has provided valuable assistance to the counties of Orange, Lake and Osceola in helping them envision plans and implement new public open space projects. Conservation services are provided on a contractual basis that may include one, several or all of the services described above. There is no application deadline; contact TPL with requests, as needed. CONTACT: Director of Conservation Services, The Trust for Public Land Southeast Regional Office, 306 North Monroe Street, Tallahassee, FL 32301 Phone: (850)222-7911 Fax: (850)222-3133

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.
Courtesy of SJRWMD
Extends UF research to the public through off-campus educational programs and information dissemination. Primary focus is agriculture, natural resources, commercial horticulture, home gardening, marine, pest control, energy conservation, community development, family and youth development. Service is provided through local county extension offices. Information includes seminars, workshops, printed publications, computer software, CD-ROM and world wide web pages on the internet. Youth development through the 4-H Youth Program is an important part of the local programming. Also coordinates Florida Yards & Neighborhoods program.

LOCAL CONTACTS
Volusia Co., 3100 E. State Rd. 44, Deland, FL 32744-6697 - Ph: (904)822-5778 FAX: (904)822-5767
Brevard Co., 3695 Lake Drive, Cocoa, FL 32926-1702 - Ph: (407)633-1702 FAX: (407)633-1890
Indian River Co., 1528 20th Pl, Suite D, Vero Beach, FL 32960-5360 - Ph: (561)770-9030 FAX: (561)770-5148
Martin Co., 2614 S.E. Dixie Highway, Stuart, FL 33494-4001 - Ph: (561)288-5654
Palm Beach Co., 531 H. Military Tr., W. Palm Beach, FL 33415-1712 - Ph: (561)233-1712 FAX: (561)233-1768

The Corps has the authority to make modifications in structures and operations of water resources projects constructed by the Corps to restore ecosystems benefiting fish and wildlife. Each project is limited to $5 million including studies, plans and specs and construction. Contact the Corps Office in Jacksonville at (386)232-2646.

Funds aquatic ecosystem restoration projects that will improve the environment, are in the public interest and are cost-effective. Limited to $5 million in Federal cost. Non-federal partners must fund 33% of construction costs and 100% of operation, maintenance, replacement and rehabilitation costs. Contact the Corps Office in Jacksonville at (386)232-2646.

Cooperative projects with non-Federal sponsors to use dredge material from new or existing Federal projects to protect, restore or create aquatic and ecologically related habitats including wetlands. A 25% non-Federal match is required. Contact the Corps Office in Jacksonville at (386)232-2646.
AGENCY/ORGANIZATION
US Army Corps of Engineers

PROGRAM
CIVIL WORKS PROJECTS

CONTACT: Partners for Environmental Progress

P.O. Box 7969
Troutdale, OR 97028-7969
Email: info@partnerseprogress.org
Website: www.pec.org

Provides help to communities with a variety of water resources problems and opportunities including flood control, coastal and shorelines erosion, outdoor recreation, environmental restoration and water quality control. Project must include not only facilities to mitigate unavoidable environmental damages, but also consideration of environmental restoration through opportunities created by projects. Such opportunities include species management, (under Fish and Wildlife Coordination Act of 1958, protection of habitat for endangered species under the Endangered Species Act of 1973, preservation of archeological resources and historic sites under the national Historic Preservation Act of 1966, and opportunities provided by other federal laws. In addition, section 1135 of the 1986 Flood Control Act also authorizes restoration in a watershed if the area in one in which a Corps project has directly contributed to the problem. Planning, engineering, other technical assistance and financial assistance is available with cost-sharing. There is a 6 step process to apply for these funds: 1) problem perception 2) request for federal action 3) economic study and report preparation 4) report review and approval 5) congressional approval 6) implementation. Environmental restoration may be approved for up to a 75% federal/local cost share.

AGENCY/ORGANIZATION
US Army Corps of Engineers

PROGRAM
PLANNING ASSISTANCE TO STATES (Section 22)

CONTACT: US Army Corps of Engineers

P.O. Box 7969
Troutdale, OR 97028-7969
Email: info@partnerseprogress.org
Website: www.pec.org

Authorized by the Water Resources Development Act of 1974, as amended, Section 22 to cooperate with states, Indian tribes, and the Trust Territories in preparation of plans for the development, utilization, and conservation of water and related land resources within their respective boundaries. Services include studies and technical/engineering support. Costs are shared equally, except for Guam, American Samoa, the Commonwealth of the Northern Mariana Islands, and the Trust Territory of the Pacific Islands (Palau). Any state, the District of Columbia, the Commonwealth of Puerto Rico, the U.S. Virgin Islands, and those listed above are eligible to apply. Requests for assistance must be related to water resources. Requests are prioritized by the state or tribal water resources coordinator, and studies are initiated on a funds-available basis. There is a funding limit of $300,000 available for each state. CONTACT: US Army Corps of Engineers

AGENCY/ORGANIZATION
US Army Corps of Engineers

PROGRAM
PARTNERS FOR ENVIRONMENTAL PROGRESS OK?

CONTACT: US Army Corps of Engineers, Planning Division, Directorate of Civil Works

Partners for Environmental Progress 20 Massachusetts Ave., NW, Washington, DC 20314-1000 ATTN: CECW-PE Ph: 202-761-1723 Fax: 202-761-0140

AGENCY/ORGANIZATION
US Army Corps of Engineers

PROGRAM
FLOOD PLAIN MANAGEMENT SERVICES (Section 206)

CONTACT: US Army Corps of Engineers Planning Division, Directorate of Civil Works

Flood Plain Management Services 20 Massachusetts Ave., NW, Washington, DC 20314-1000. Phone: 202-761-0169 Fax: 202-761-0140 OR You can contact the Jacksonville COE office at (904)232-2914

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.

18
Grants are classified under different categories.

C – Construction
H – Habitat restoration
L – Land Acquisition
O/O – Information and outreach activities (includes environmental education)
M – Management
R – Research

AGENCY/ORGANIZATION
US Environmental Protection Agency

PROGRAM
WATER QUALITY GRANTS

EMAIL LINK

Authorized by Section 104(b)(3) of the Federal Water Pollution Control Act as amended to stimulate the creation of unique and new approaches to meeting stormwater, combined sewer outflows, sludge, and pretreatment requirements as well as enhancing state capabilities. Assistance in the form of grants is available. A state match is encouraged. State water pollution control agencies, interstate agencies, and local public agencies, Indian tribes and nonprofit institutions may apply. No eligibility requirements specified by statute. CONTACT: EPA Office of Water 401 M St., SW, Washington, DC 20460 Phone: 202-260-9539 Fax: 202-260-1156 or Drew Kendall US EPA Region IV 61 Forsyth St., SW, Atlanta, GA 30303 Phone: 404-562-9394 Fax: 404-562-9343

AGENCY/ORGANIZATION
US Environmental Protection Agency

PROGRAM
WETLAND PROTECTION STATE DEVELOPMENT GRANTS

EMAIL LINK
http://www.epa.gov/OWOW/wetlands/partner

Authorized by the Federal Water Pollution Control Act as amended to encourage the development of state/tribal wetland protection programs or to enhance those that already exist. Grants/cooperative agreements and technical assistance are available. Funds must be used for development or refinement of wetland programs and cannot be used to support the operation of a state/tribal wetland program. States/tribes must provide at least 25% matching funding. All state agencies developing or administering wetland or wetland related programs, federally recognized Indian tribes, as well as inter-tribal and tribal interstate entities may apply. Proposed projects must clearly demonstrate a link to increasing the state/tribe’s ability to protect/manage their wetland resources.

CONTACT: Wetlands Protection Hotline (800) 832-7828 or Drew Kendall US EPA Region IV 61 Forsyth St., SW, Atlanta, GA 30303 Phone: 404-562-9394 Fax: 404-562-9343

AGENCY/ORGANIZATION
US Environmental Protection Agency

PROGRAM
HARDSHIP GRANTS FOR RURAL COMMUNITIES

EMAIL LINK
http://www.epa.gov/owm/smallcomm.htm

The 1996 Congressional Appropriations Act reserved $50 million from Clean Water State Revolving Fund appropriations to start the new Hardship Grants Program for Rural Communities. Many rural communities lack the resources to afford the full cost of Clean Water SRF loans to improve their outdated or failing wastewater treatment services. This program is designed to complement the Clean Water SRF Program. States may award hardship assistance to qualifying communities for the planning design and construction of publicly owned treatment works or alternative wastewater services, such as on-site treatment systems (including septic). States may also use hardship assistance to provide training, technical assistance and educational programs on the operation and maintenance of wastewater treatment systems. Any rural community with fewer than 5,000 residents can qualify if the community lacks access to centralized wastewater treatment or collection systems, or needs improvements to on-site wastewater treatment systems, the proposed project will improve public health or reduce environmental risks, the community’s per capita income rate is less than 80% of the national average, and its unemployment rate exceeds the national average by one percentage point or more. Applications for Hardship Grants must be made in conjunction with State Revolving Fund Loan application. CONTACT: Clean Water State Revolving Fund Program US EPA, 401 M St., SW, (2204), Washington, DC 20460 Phone: 202-260-2268 Fax: 202-260-1827

AGENCY/ORGANIZATION
US Environmental Protection Agency

PROGRAM
PUBLIC WATER SYSTEM SUPERVISION

EMAIL LINK
http://www.epa.gov/safewater/pws/progrant.

Authorized by the Safe Drinking Water Act to assist states and Indian tribes in implementing the National Primary Drinking Water Regulations. Formula grants to states and Indian tribes with primary enforcement authority (primary) for the National Primary Drinking Water Regulations are available. Federal assistance is limited to 75% of eligible costs. States and Indian tribes are eligible. States must have primary enforcement authority (primary) for the National Primary Drinking Water Regulations or must be developing a primary program.

CONTACT: US Environmental Protection Agency Groundwater and Drinking Water
401 M Street SW, Washington, DC 20460 Phone: 202-260-5329 Fax: 202-260-4656 or 4383 OR Groundwater and Drinking Water Branch, US EPA Region IV, 61 Forsyth St., SW, Atlanta GA 30303 Phone: 404-562-9329 Fax: 404-562-9343

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.

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<td>US Environmental Protection Agency</td>
<td>RESEARCH, SPECIAL STUDIES, DEMOS, TECH ASSIST &amp; TR</td>
<td><a href="http://www.epa.gov/brownfields">http://www.epa.gov/brownfields</a></td>
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Authorized by the Safe Drinking Water Act to develop or expand the capabilities of state and municipal programs to protect groundwater sources of public water systems from contamination, provide technical assistance to small public water systems to achieve and maintain compliance with National Drinking Water Regulations; and assist efforts to ensure that safe drinking water, especially from groundwater resources, is provided to the public.

Grants, studies, technical/engineering support, research, and education are available. States, municipalities, public water systems, public agencies, educational institutions, and nonprofit organizations may apply. CONTACT: US Environmental Protection Agency Groundwater and Drinking Water 401 M St. SW, Washington, DC 20460 Phone: 202-260-5529 Fax: 202-260-4383 OR Groundwater and Drinking Water Branch, USEPA Region IV, 100 Alabama St. SW, Atlanta, GA 30303 Phone: 404-562-9329 or 404-562-9343

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<td>US Environmental Protection Agency</td>
<td>STATE REVOLVING FUNDS CAPITALIZATION GRANTS</td>
<td><a href="http://www.epa.gov/brownfields">http://www.epa.gov/brownfields</a></td>
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Provides a long term source of financing to states for the construction of wastewater treatment facilities and the implementation of other water quality management activities.

Grants to states, territories, and the District of Columbia are available. Loans are available to local communities, intermunicipal and interstate agencies, and Indian tribes. States must enter into an agreement with the agency's regional administrator that includes the requirements set forth in 33 U.S.C. of the Federal Water Pollution Control Act, as amended. CONTACT: Drew Kendall USEPA Region IV 61 Forsyth St. SW, Atlanta, GA 30303 Phone: 404-562-9394 or 404-562-9343

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<td>USEPA Region IV</td>
<td>BROWNFIELD CLEANUP REVOLVING LOAN FUND ECONOMIC REDEVELOPMENT PILOTS</td>
<td><a href="http://epa.gov/brownfields">http://epa.gov/brownfields</a></td>
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The purpose of the BCRLF Program is to enable states and other political subdivisions to facilitate the cleanup and redevelopment of Brownfield properties (abandoned, idled, or underused industrial and commercial facilities where expansion or redevelopment is complicated by real or perceived environmental contamination). These pilots will test revolving loan fund models that facilitate coordinated public and private cleanup efforts. Beginning in FY2001 and with these guidelines (available at www.epa.gov/brownfields), financial assistance provided may be awarded in an amount up to $1 million per eligible entity. Proposals must be submitted to both EPA headquarters and the appropriate regional office. CONTACT: USEPA (Mail Code 5101) 401 M St. SW, Washington, DC 20460 Brownfield's Project Office, USEPA Region IV 61 Forsyth St. SW, Atlanta, GA 30303

YOU CAN REACH THE SUPERFUND HOTLINE AT 1-800-424-9346

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<td>USEPA Region IV</td>
<td>NATIONAL ESTUARY PROGRAM</td>
<td><a href="http://www.epa.gov/NOW/estuaries">http://www.epa.gov/NOW/estuaries</a></td>
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This program fosters community-based collaborative environmental planning among estuary stakeholders in order to develop comprehensive conservation management plans for estuaries of national significance. Grants, studies, monitoring, technical support, research and education assistance are provided. Grants are awarded on a 12-month basis for 75% of aggregate project costs. Recipients must provide 25% from nonfederal sources. State governors must nominate estuaries of national significance, and the EPA Administrator must accept the nomination. CONTACT: Environmental Protection Agency Ocean and Coastal Protection Division 401 M St. SW, Washington DC 20460 Phone: 202-260-1952 Fax: 202-260-1952 or USEPA Region IV 61 Forsyth St. SW, Atlanta, GA 30303

Phone: 404-562-9394 Fax: 404-562-9343

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.

Courtesy of SJRWMD
### SUSTAINABLE DEVELOPMENT CHALLENGE GRANTS *

One of 25 major reforms included in the 1995 National Performance Review's Reinventing Environmental Regulation Initiative to encourage people, organizations, business, and government to work together in their communities to improve their environment while maintaining a healthy economy and a sense of community well-being. It is widely recognized that there is a fundamental interdependence among environmental quality, economic prosperity and community well-being. The objective for this program is to test the sustainable development approach for environmental protection. Eligible applicants include: local and state governments, groups chartered by one or more local governments, Native American Tribes, Territories of the US, educational institutions, and non-profit organizations. Conditions of eligible organizations may also apply, as long as one organization is clearly identified to be the project lead and designated recipient for funding purposes. State agencies, while eligible applicants, are encouraged to work cooperatively with community groups or local governments to strengthen their proposals. The nature of building sustainable environments where people live requires the involvement of a wide range of stakeholders. This program is intended to provide seed money for broader public and private sector investment in sustainability activities. As a result, the program requires a non-federal match of at least 20% of the total project budget. EPA funds can be used for no more than 80% of the total cost of the project. The match can come from a variety of public and private sources and can include in-kind services. No federal funds can be used as matching funds.

### ENVIRONMENTAL JUSTICE SMALL GRANTS PROGRAM

Provides financial assistance to small community groups and tribal governments to support projects to design, demonstrate or disseminate practices, methods or techniques related to environmental justice. EPA will grant funding assistance to be used for Environmental justice education and awareness programs; 2) technical assistance in interpreting existing justice survey and assessment data and; 3) technical assistance in access available public information. Projects must meet a multi-media statutory requirement (i.e. air and water). The guidance details applicable environmental statutes. CONTACT: Office of Environmental Justice (MC-3103) US EPA, 401 M Street, SW, Washington, DC 20460. Phone: 1-800-662-6215

### ENVIRONMENTAL EDUCATION GRANTS PROGRAM

Authorized under Section 6 of the National Environmental Education Act of 1990 to provide financial support for projects which design, demonstrate or disseminate environmental education practices, methods or techniques. The goal of environmental education is to increase public awareness and knowledge about environmental issues and to provide the public with the skills needed to make informed decisions and to take responsible action. Any local or tribal government education agency, state government education or environmental agency, college or university, not-for-profit organization, or noncommercial educational entity may submit a proposal. Statute sets a maximum limit of $250,000 in environmental education grant funds for any one project. Because of limited funds, EPA prefers to issue smaller grants to more recipients. Twenty-five percent nonfederal match required. CONTACT: Region IV Benjamin Blair Phone: 404-562-8321 (under $25,000) Requests over $25,000 must be submitted to EPA headquarters. Contact Diane Burger or Sheri Inkston at 202-260-8619

### DRINKING WATER STATE REVOLVING FUND (DWSRF)

Capitalization grant amounts are determined by formulas for individual States, and up to 31% of the total amount going to the State may be set aside for various eligible activities specified under Section 1452, including community-based water quality and watershed protection programs. CONTACTS: For DWSRF Guidance, contact Jamie Dunigan of the Regulatory Implementation Branch at (202)260-5557; for Source Water Assessment and Protection Program Guidance, contact Kevin McCormack of the Prevention and Support Branch, The Implementation and Assistance Division, Office of Ground Water and Drinking Water, US EPA, 401 M St., SW, Washington, DC 20460. Phone: 202-260-7772.

A = Applicable to Lake County study

Provided by Cape Canaveral Scientific, Inc.

Courtesy of SIRWMD
**AGENCY/ORGANIZATION** | **PROGRAM** | **EMAIL LINK**
---|---|---
US Environmental Protection Agency | FIVE STAR RESTORATION CHALLENGE GRANTS | [http://i5star-epa.hmn](http://i5star-epa.hmn)
US Environmental Protection Agency | UNDERGROUND INJECTION CONTROL | [http://www.epa.gov/regwtdw000/uic.html](http://www.epa.gov/regwtdw000/uic.html)
US Environmental Protection Agency | ENVIRONMENTAL JUSTICE THROUGH POLLUTION PREVENTION GRANT FUNDS | [http://www.epa.gov/rpplntes/epf2](http://www.epa.gov/rpplntes/epf2)
US Environmental Protection Agency | WATER POLLUTION CONTROL - STATE & INTERSTATE PROGRAM | [http://www.epa.gov/public/viewproglpr](http://www.epa.gov/public/viewproglpr)
US EPA National Center for Research | ECOLOGY AND OCEANOGRAPHY OF HARMFUL ALGAL BLOOMS | [http://es.epa.gov/mceerqa](http://es.epa.gov/mceerqa)

Grants are classified under different categories:
- C – Construction
- H – Habitat restoration
- L – Land Acquisition
- IO – Information and outreach activities (includes environmental education)
- M – Management
- R – Research

Offered by the National Assoc. of Counties, National Fish & Wildlife Foundation and the Wildlife Habitat Council in cooperation with EPA. Funding to support community-based wetland and riparian restoration projects. Projects must involve diverse partnerships (ideally 5 partners), include on the ground restoration of wetlands and/or riparian areas and include an education and outreach component. Projects may be part of a larger restoration effort but must be ready to complete within one year of receipt of funding.

Authorized by the Safe Drinking Water Act to assist states and Indian tribes in assuming the primary role in implementing and enforcing underground injection control regulations under the Safe Drinking Water Act. Formula grants to states and Indian tribes with primary enforcement authority (primary) are available. Federal assistance to states is limited to 75% of eligible costs. CONTACT: Environmental Protection Agency, Underground Injection Control Program, 401 M St, SW, Washington, DC 20460 Phone: 202-260-5668 or 5542 Fax: 202-260-0732

Eligible applicants include nonprofit environmental and environmental justice organizations, community-based organizations including religious and civic groups and local governments. This program is designed specifically to fund only projects that address gaps in general knowledge regarding HABs, prevention, control and mitigation of HABs and their impacts, characterize the impact of acute and chronic exposure to HAB species or toxins on marine mammals, birds and other protected species. Academic and not for profit organizations, state and local governments are eligible to apply. For information on the technical aspects of this program call (301)713-3338, administrative information can be obtained by calling (202)564-6849 or at the NCER website.

A = Applicable to Lake County study
EMPACT grants fund projects to provide public access to clearly communicated a timely or real-time environmental data. This information can be used by citizens (and policy makers) to make informed decisions regarding their health and the health of their environment. Projects must occur in one or more of 176 designated metro areas. (In the SJRWMD Jacksonville, Daytona Beach, Orlando, Ocala and the Melbourne-Palm Bay-Titusville area are designated) More information is available at the NCER website or by calling (202)564-6771.

### Conservation Grants

Conservation Grants assist states and territories implement conservation projects for listed species. Habitat restoration, public education and outreach, development of management plans, status and nesting surveys are fundable under this program. Contact USFWS (404)679-7086 or the Florida Fish and Wildlife Conservation Commission (850)488-331.

### HABITAT CONSERVATION PLANNING LAND ACQUISITION GRANTS

Pass through federal dollars available to states to acquire land associated with approved Habitat Conservation Plans. These funds support conservation actions by State or local governments. Contact USFWS (404)679-7086 or the Florida Fish and Wildlife Conservation Commission (850)488-3831.

### RECOVERY LAND ACQUISITION GRANTS

Funds to States for acquisition of habitat for endangered and threatened species in support of approved recovery plans. Contact

### SAFE HARBOR GRANTS

Funding to States for planning, development and implementation of Safe Harbor Agreements for listed species on state, private and other non-federal lands.

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Courtesy of SJRWMD
State Forestry (or equivalent agencies), nonprofits and municipalities are eligible. Landowners of nonfederal lands, rural community fire fighting forces, urban areas and municipalities may be eligible for assistance. Year long financial assistance on a reimbursement basis to assist in forest stewardship programs on private, state and other nonfederal forest and rural lands. Projects may include producing and distributing seedlings, reforestation, timber stand improvement and improving wildlife habitat. Also fundable is development and transfer of new and improved fire control technologies.

Proposals may be submitted by state and local governments and nongovernmental organizations that have pending offers for the acquisition of conservation easements for the purposes of protecting the agricultural use of the land. All proposals must be submitted to the state NRCS coordinator. You can contact Mr. Glasgow at (352) 338-9500.

Technical and financial assistance to state and local governments (or other agencies with authority under state law to carry out watershed works of improvement) in solving problems caused by flooding, erosion, sediment damage, conservation, development, utilization and disposal of water (including development of multipurpose facilities for recreation, improvement of fish and wildlife habitat, irrigation and water supply to municipal and industrial users).

Supports research on key problems of national and regional importance in biological, environmental, physical and social sciences relevant to agriculture and food, the environment, including water resources assessment and protection in the form of competitive research grants. Scientists at all US academic institutions, federal research agencies, and private and industrial organizations and institutions are eligible. Applicants must submit research proposals in response to the request for proposals published annually in the Federal Register. Proposals are selected for funding on the basis of a merit review by scientific peer review panels. CONTACT: USDA, CSREES National Research Initiative Competitive Grants Program Room 323, Agricultural Center AB Box 224, Washington, DC 20250 Phone:202-401-5022

Protects and restores wetlands through acquisition of easements and provision of technical/engineering and restoration cost-share assistance. Includes payments at fair market values for permanent easements and 30-year easements. Also, payments for restoration costs of 100% for permanent easements and 50-75% for 30-year easements. Technical/engineering support is also provided. Nonfederal landowners with restorable wetlands may apply.-contact: USDA/NRCS Wetlands and Wetlands Division, PO Box 2890, Washington, DC 20013 Phone:202-690-0848 Fax:202-720-2143

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Courts of R. I. W. M.
Authorized to provide technical and financial assistance to state agencies and units of local government in planning and carrying out improvements to protect, develop, and utilize the land and water resources in small watersheds, including total resource management and planning to improve water quality and solve problems caused by flooding, erosion, and sediment damage, conservation, development, utilization, and disposal of water. Studies, monitoring, loans, cost-share grants, and technical assistance are provided for the installation of land treatment measures. Cost-share rates depend on the type of project. The program provides up to 100% of the construction costs for structural measures for flood prevention and up to 50% of such costs for structural measures with other purposes. It also provides up to 75% of the installation cost for nonstructural measures. Technical assistance is often provided without costs. Any state agency, county, or group of counties, municipality, town or township, soil and water conservation district, Indian tribe or tribal organization, or any nonprofit agency or organization with authority under state law to carry out, maintain, and operate watershed works of improvement may apply. The program is also available to Puerto Rico, Guam, American Samoa, the Mariana Islands, the U.S. Virgin Islands, and the Trust Territories of the Pacific. The governor or governor's representative must also recommend the watershed for planning assistance. Local project sponsors should indicate a willingness to carry out a watershed project and have available the capabilities and resources necessary to develop a watershed plan, as well as authority to perform their installation, operation, and maintenance. Projects should have a favorable benefit-cost ratio. Post-assistance annual operation and maintenance inspections and reports are also required. CONTACT: USDA/NRCS Watersheds and Wetlands Division PO Box 2890, Washington DC 20013 FH: 202-720-3534 Fax: 202-720-2143

Program: WATERSHED PROTECTION & FLOOD PREVENTION

Program: WETLANDS RESERVE PROGRAM

Program: EMERGENCY WATERSHED PROTECTION PROGRAM

Program: RESOURCE CONSERVATION & DEVELOPMENT PROGRAM

Grants are classified under different categories:

C - Construction
H - Habitat restoration
L - Land Acquisition
M - Management
O - Information and outreach activities (includes environmental education)

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AGENCY/ORGANIZATION
USDA/Rural Utility Service

PROGRAM
EMERGENCY COMMUNITY WATER ASSISTANCE GRANTS

CH L I O M R

EMAIL LINK

Designed to provide financial assistance to rural communities, including municipalities of 5,000 population or less, to help restore drinking water supplies when a sudden loss or significant deterioration of the drinking water supplies is experienced due to an emergency occurrence. Direct grants for up to 100% of project costs are available. Public bodies such as municipalities, county governments, and special districts, and not-for-profit corporations in areas designated as disaster areas are eligible. Funding is provided by an annual appropriation by Congress. No match is required but joint state, local or private funding is encouraged. An application may be filed with the federal Office of Rural Development (RD) area office any time during the year. CONTACT: Program Director USDA Rural Utilities Service FL State Office of Rural Development PO Box 147010, Gainesville, FL 32614-7010 PH: (352) 338-3400 FAX: (352) 338-3405 Area 3 8 Office PH: (352) 573-9795 or (352) 573-9797 Area 4 Office PH: (352) 338-3116 or (352) 338-6478 Area 5 Office PH: (850) 524-3434 or (352) 351-8434 or (352) 354-5145

AGENCY/ORGANIZATION
USDA/Rural Utility Service

PROGRAM
WATER & WASTE DISPOSAL SYSTEMS RURAL COMMUNITIES

CH L I O M R

EMAIL LINK

Project grants, direct and guaranteed/insured loans to fund installation, repair, improvement or expansion of rural water and wastewater facilities. Municipalities, counties and other political subdivisions of a state are eligible to apply. There are strict size and income limitations associated with these funds. Contact the state RD office in Gainesville at 352-338-3440 or visit http://www.rurdev.usda.gov/ldo-list.htm for information on your local office.

AGENCY/ORGANIZATION
USDA/Rural Utility Service

PROGRAM
RURAL COMMUNITIES WATER & WASTE DISPOSAL LOAN & GRANT PROGRAM

CH L I O M R

EMAIL LINK

The federal office of Rural Development (RD) provides long-term, low-interest loans and grants, as well as loan guarantees, to all communities and small municipalities of 10,000 people or less. These loans and grants may be used to help fund new, upgraded, renovated and expanded water supply storage and distribution systems and waste collection treatment and disposal systems, including wastewater, solid waste and storm drainagae. Public bodies, such as municipalities, county governments, special districts, and community-based, not-for-profit corporations are eligible. Funding for grants and direct loans is annually appropriated by Congress. No matching funds requirement. Joint funding of projects with private funds is encouraged. To apply, file a pre-application with the RD area office serving your area; funds are appropriated annually, however pre-applications are accepted year round. CONTACT: USDA Rural Utilities Service FL State Office of Rural Development PO Box 147010, Gainesville, FL 32614-7010 PH: (352) 338-3400

AGENCY/ORGANIZATION
USFWS / FDEP

PROGRAM
WALLOP BREAUX SPORFISH RESTORATION ACT

CH L I O M R

EMAIL LINK
http://www esa.fws.gov/society/AFS/wook

Provides funds to the states to promote sport fishing. States may elect to use up to 10% of the funds to provide angler education. Funds are also used to provide boating access, fund state fisheries management, stocking, and habitat restoration projects through a Federal excise tax on fishing-related products. States must guarantee that fishing license fees will not be diverted for non-fishing programs. States must provide matching funds, on a one to three ratio. CONTACT: American Fisheries Society 301-497-8616 ext. 209

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