

**Lee County Board Of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20020568

1. REQUESTED MOTION:

ACTION REQUESTED: Approve Resolution to the West Coast Inland Navigation District (WCIND) requesting funding for FY02/03 for the projects listed in priority order. Authorize Commission Chairman to sign corresponding agreements for projects once funding is finalized by WCIND.

WHY ACTION IS NECESSARY: To request grant funding in accordance with WCIND rules.

WHAT ACTION ACCOMPLISHES: Formalizes the request to WCIND for fiscal year 2003 project funding.

2. DEPARTMENTAL CATEGORY:

8 - NAT. RESOURCES
COMMISSION DISTRICT #: CW

C8A

3. MEETING DATE:

06-04-2002

4. AGENDA:

- CONSENT
- ADMINISTRATIVE
- APPEALS
- PUBLIC
- WALK ON
- TIME REQUIRED:

5. REQUIREMENT/PURPOSE:
(Specify)

- STATUTE
- ORDINANCE
- ADMIN. CODE
- OTHER Grant Requirement 66A-2 F.A.C.

6. REQUESTOR OF INFORMATION:

- A. COMMISSIONER
- B. DEPARTMENT Lee County-Public Works
- C. DIVISION Natural Resources
- BY: Roland Ottolini, Nat. Res. Director

[Signature]

7. BACKGROUND: WCIND is a taxing district that includes Manatee, Sarasota, Charlotte and Lee Counties. Member counties can request grant funding for boating and navigation related projects on an annual basis. Applications and an accompanying Resolution are required submittals as part of the request process.

The Resolution contains a prioritized list of project requests. Projects were considered based on Lee County needs, municipal and non-profit agency requests. A prioritized project list totaling \$775,956 was voted on and approved by the Waterways Advisory Committee (WAC) on May 9th, 2002. Staff recommendation coincides with the WAC list with one exception. Staff recommends not funding the project, Royal Palm Sailing Club (RPSC)-Powerboat Education on the basis that WCIND is currently funding a request by RPSC (L-161, \$8,750) for a similar boat for the same purposes. Another request for funding, Turtle Time was not recommended for funding by both the WAC and staff as it was deemed not to meet eligibility requirements. The staff prioritized project list totals \$770,456. The accompanying Resolution reflects staff recommendations. (Continued)

MANAGEMENT RECOMMENDATIONS:

9. RECOMMENDED APPROVAL:

A Department Director	B Purchasing or Contracts	C Human Resources	D Other	E County Attorney	F Budget Services				G County Manager
					OA	OM	Risk	GC	
<i>[Signature]</i> 5.16.02	<i>[Signature]</i> 5/17/02	N/A		<i>[Signature]</i> 5/20/02	<i>[Signature]</i> 5/21/02	<i>[Signature]</i> 5/22/02	<i>[Signature]</i> 5/23	<i>[Signature]</i> 5/23	<i>[Signature]</i> 5.16.02

10. COMMISSION ACTION:

- APPROVED
- DENIED
- DEFERRED
- OTHER

Rec. by CoAtty
Date: 5/17/02
Time: 1:50 am
Forwarded To:
ADMIN 905 am
5/20/02

RECEIVED BY
ADMIN. *[Signature]*
5/20/02
9:00 am
ADMIN. *[Signature]*
SENT TO:
5/23 8:30

BLUESHEET NO.

PAGE 2

(Continued from first page)

Recommendations are based on WCIND eligibility criteria, anticipated fund availability, benefits to Lee County, previous funding experience, and input from the Waterways Advisory Committee, Natural Resources Division staff and the WCIND Executive Director. Project applications are included in the backup materials.

No funds are required for this request. A budget amendment resolution will be prepared and submitted for approval at such time as grant funding is awarded. Any successful projects will also be governed by the attached formal agreements between Lee County and WCIND. Sub-grantees (as noted) will be required to enter an Agreement with Lee County after contracts are signed with WCIND. It is recommended that projects be deleted or funding reduced in order of the lowest priority if the requested total is not available from WCIND.

Attachment: Project Information Table, Project Applications for reference

RESOLUTION NO. _____

A RESOLUTION BY THE LEE COUNTY BOARD OF COUNTY COMMISSIONERS REQUESTING THE WEST COAST INLAND NAVIGATION DISTRICT (WCIND) AWARD \$770,456 FROM THE WATERWAY DEVELOPMENT PROGRAM FOR THE FOLLOWING PROJECTS LISTED IN PRIORITY ORDER

WHEREAS, Lee County has developed the following prioritized list of projects to be considered by WCIND for funding:

1. Navigation Improvements FY03	\$440,000
2. GPS Tracking	\$50,000
3. Marine Law Enforcement FY03	\$202,500
4. Ft. Myers Power Squadron	\$1,000
5. Sanibel-Captiva Power Squadron	\$4,140
6. Cape Coral Boat ramp signage	\$5,500
7. Calusa Nature Center-Manatee exhibit improvements	\$41,100
8. LC School District-Manatee Park field trips/materials	\$8,374
9. Sanibel-Captiva Audubon Society-Printing coloring books	\$3,652
10. Royal Palm Sailing Club-Sail on	\$16,440

NOW, THEREFORE, BE IT RESOLVED BY THE COUNTY OF LEE OF THE STATE OF FLORIDA THAT:

Section 1. The County of Lee respectfully requests fiscal year 2003 funding from the WCIND Waterway Development Program for this project list in the priority order as listed.

Section 2. The Division of Natural Resources is hereby authorized to submit funding applications pertaining to projects on this priority list.

Section 3. The Chairman of the Lee County Board of County Commissioners is hereby authorized to execute and submit any project funding agreements pertaining to projects on this priority list.

Passed by the Board of County Commissioners of Lee County, Florida, this _____ day of _____, 2002 by a vote of _____ to _____; the motion was made by _____, seconded by _____ and upon being put to a vote, the vote was as follows:

BOB JANES	_____
DOUGLAS ST. CERNY	_____
RAY JUDAH	_____
ANDREW W. COY	_____
JOHN E. ALBION	_____

ATTEST:
CHARLIE GREEN, CLERK

BOARD OF COUNTY COMMISSIONERS
LEE COUNTY,

BY: _____
DEPUTY CLERK

CHAIRMAN

APPROVED AS TO FORM

BY: _____
ASST. COUNTY ATTORNEY

R A N K	WCIND APPLICATIONS FY 02-03						TOTALS	COMMENTS
	ENVIRONMENTAL	LAW	BOATING	NAVIGATIONAL	BOATING			
#	SUBGRANTEE REQUESTS	EDUCATION	ENFORCEMENT	SAFETY	IMPROVEMENTS	REC.		
3	Cape Coral PD Marine Enforcement		\$50,000.00					Special marine enforcement
3	Fort Myers PD Marine Patrol		\$27,500.00					Special marine enforcement
3	Ft. Myers Beach Marine Enforcement		\$25,000.00					Special marine enforcement
3	Sanibel PD Marine Enforcement		\$20,000.00					Special marine enforcement
3	Bonita Springs Marine Enforcement		\$30,000.00					Special marine enforcement
3	Shant Marine Enforcement		\$50,000.00					Special marine enforcement
9	San-Cap Audubon Society	\$3,652.00						
4	Ft. Myers Power Squadron				\$1,000.00			
5	San-Cap Power Squadron				\$4,140.00			
10	RPSC-Sail on					\$16,440.00		
7	Calusa Nature Center- Manatee program	\$41,100.00						
8	Lee County School District-manatee habits	\$8,374.00						
6	Cape Coral-boat ramp signage	\$5,500.00						
11	RPSC-Powerboat education			\$3,250.00				staff recommendation is denial
LEE COUNTY REQUESTS								
1	Navigation Improvements FY01*				\$ 440,000.00			
2	GPS tracking				\$ 50,000.00			meeting with all agencies to discuss.
TOTALS								
		\$58,626.00	\$202,500.00	\$3,250.00	\$495,140.00	\$16,440.00	\$ 775,956.00	
GRAND TOTALS		\$ 58,626.00	\$ 202,500.00	\$ 3,250.00	\$ 495,140.00	\$ 16,440.00	\$ 775,956.00	
WCIND MAX FUNDS AVAILABLE		\$ 250,000.00	\$ 200,000.00				\$ 1,000,000.00	
BALANCE AVAILABLE		\$ 191,374.00	\$ (2,500.00)				\$ 224,044.00	
PROJECTS REMOVED OR RELOCATED								
	Turtle Time	\$6,425.00						not eligible
	Cayo Costa State Park				\$90,000.00			being held in abeyance/permits and scope of work needed
	Cape Coral ATN's				\$16,000.00			Interlocal being drafted.

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

242 3352

1. Applicant: Cape Coral Police Department Date: 2/19/02
Project Manager: Lt. William Scott E-mail: wmscott@capecoral.net
Phone: 941-574-0669 Fax: _____
FEID#: 59-1312996
Address: P.O. Box 150027, 815 Nicholas Parkway
Cape Coral, FL 33915

2. Project Title: Cape Coral Marine Enforcement

3. Category: Navigation Improvement Environmental Education
(check one) Boating Safety Recreation Law Enforcement X

4. Description & Public Benefits (attach sheets if necessary):
please see attachment A

5. Permits Required and Status: N/A

6. Estimated Start Date: 10/01/02 Estimated Completion Date: 09/30/03
(May not be prior to October 1)

7. Estimated Total Project Cost: \$180,600 Grant Funds Requested: \$50,000 ^{60?}
Identify Matching Funds, if Applicable: Matching funds are not required however,
the balance of project costs are provided by department budget.

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature:  Date: 2/21/2002
Printed: Howard Kunik Title: Interim City Manager

ORIGINAL

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses			
(specify)			
Planning	0		
Permitting	0		
Contractual Services			
(specify)			
Materials			
(specify)			
Equipment			
(specify)			
gasoline/maintenance		\$20,000	\$20,000
Salaries ²	\$60,000	\$100,524	\$160,524
	\$50,000		
Other			
(specify)			
GRAND TOTAL	\$60,000	\$120,524.	\$180,524

\$50,000

Three (3) officers x 175 on water hours each per month = 6300 hrs/yr.

6300 on water hours annually x \$25.48 per hour = \$160,524 annually for three (3) full-time officers.

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a grant expense for Law Enforcement projects.

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-application Cape Coral Police Department
Fiscal Year 2002-2003

Attachment A

4. Description and Public Benefits

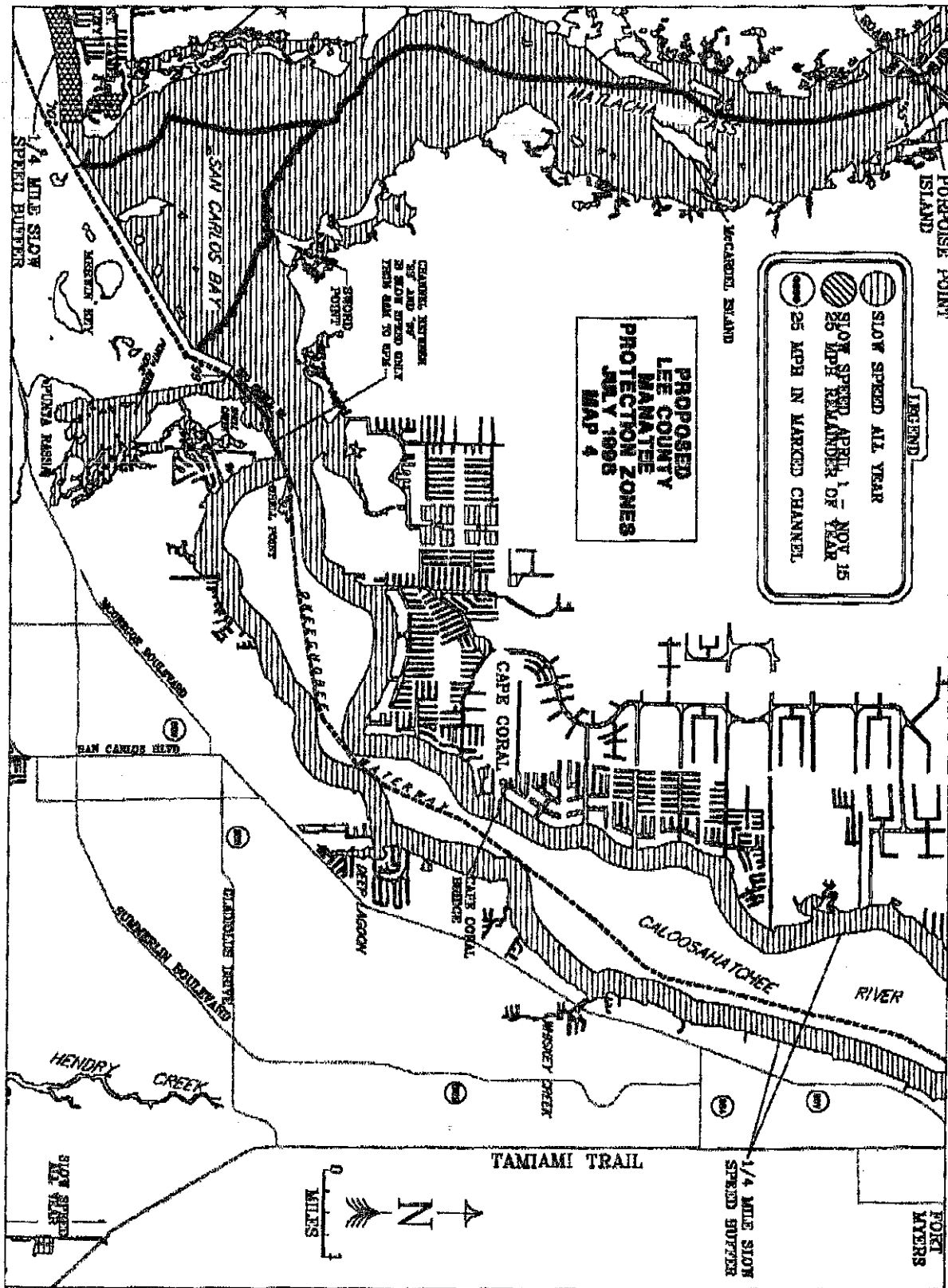
The Cape Coral Police Department is proposing to increase it's marine personnel by 50% for fiscal year 2002-2003 and is requesting \$ 60,000 in project support from WCIND Funds to help off set the corresponding increase in project costs.

The Marine Unit of the Cape Coral Police Department is responsible for law enforcement and maintenance of a safe environment for boaters, swimmers and wildlife in the city's 400 mile canal system and along the city's 27 mile coastline. These responsibilities have become increasingly challenging over the past 3 years due to the combined impact of designated Manatee protection zones and a 25% increase in population to over 100,000 permanent residents. The majority of new home construction continues to be located along the coastline and the city's saltwater canal system that feeds into the Gulf of Mexico. Additionally, during the winter season the city's population swells by an estimated 25% as seasonal guests and visitors migrate south. According to D/SMV registrations there has been corresponding growth in vessels registered to Cape Coral addresses. In 2001 23% of the total vessel registrations in Lee County were to Cape Coral residents. This geographically concentrated demand on the city's waterways has been further aggravated by the creation of Manatee protection zones. The low speed, no wake manatee protection areas correspond to high boater traffic areas along the coastline. These circumstances have combined to create boater congestion, gridlock and frustration at Gulf access sites requiring an increased police presence to ensure public safety.




The Police Department provides two boats and two full time officers, working 12 hour shifts and extensive overtime hours to provide this enforcement effort. The Department has formed a partnership with volunteer boat owners to assist with the identification of trouble areas and problem boaters requiring more visible police intervention. (*Canal Watchers*) The Department also provides emergency marine back-up response to the US Coast Guard, Florida Marine Patrol and the Lee County Sheriff's Office, as requested, in the waters surrounding the city. The marine officers are actively engaged in public presentations disseminating information on local boating ordinances and water safety issues as well as, changes in state law. Additional officers have been trained and are used for other non-routine enforcement activities such as: on-water special events, 4th of July fireworks, Boat-a-long at Christmas, fishing tournaments, BUI check points and other non-routine enforcement activities. Recognizing the need for increased on-water enforcement, the Cape Coral City Council authorized a 50% increase in Marine Unit personnel for fiscal year 2002 - 2003; contingent on continued grant funding. The Council has also recognized the need to increase and enhance Gulf access sites and facilities to accommodate the needs of the growing boating community. The proposed increase in staffing will assist with maintaining current levels of effective enforcement, ensuring adequate coverage of problem areas during peak boater usage. The additional staff person will increase the department's authorized on-water hours from approximately 4000 annually to 6300 annually. Although matching funds are not required, the project matches 2 city dollars to 1 dollar of requested WCIND funding.

The primary benefits of this policing strategy to the residents of Greater Lee County remain maintenance of a safe water recreation environment, increased response time to emergency situations and development / enforcement of boater respect for the natural environment and wildlife that share our waterways.

ORIGINAL



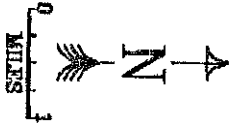
LEGEND

-  SLOW SPEED ALL YEAR
-  SLOW SPEED APRIL 1 - NOV 15
25 MPH REMAINDER OF YEAR
-  25 MPH IN MARKED CHANNEL

**PROPOSED
LEE COUNTY
MANATEE
PROTECTION ZONES
MAY 1998
MAP 4**

CHANNELS BETWEEN
ISLANDS AND
MAINLAND TO BE
SLOW SPEED ONLY
FROM SUN TO SUN

1/4 MILE SLOW
SPEED BUFFER



ORIGINAL

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: Sanibel Police Department Date: February 18, 2002
Project Manager: Cmdr. Bill Tomlinson E-mail: _____
Phone: 472-3111 Fax: 472-6555
FEID#: 59-1568877
Address: 800 Dunlop Road
Sanibel, FL 33957

2. Project Title: City of Sanibel Police Marine Enforcement

3. Category: Navigation Improvement _____ Environmental Education _____
(check one) Boating Safety _____ Recreation _____ Law Enforcement Yes

4. Description & Public Benefits (attach sheets if necessary): Maintain routine marine law enforcement activities within the availability of assets of the City police department; activity to include patrol, emergency situations and coordination with other marine enforcement agencies. Boat traffic has been consistent within the Sanibel waterways.

5. Permits Required and Status: _____

6. Estimated Start Date: October 1, 2002 Estimated Completion Date: September 30, 2003
(May not be prior to October 1)

7. Estimated Total Project Cost: \$20,000 Grant Funds Requested: \$20,000
Identify Matching Funds, if Applicable: _____

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature: William Tomlinson Date: February 18, 2002
Printed: William Tomlinson Title: Police Commander

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses (specify)			
Planning	0		
Permitting	0		
Contractual Services (specify)			
Materials (specify)			
Equipment (specify) uniforms	\$200		
Salaries ² www	\$16,800		
Other (specify) fuel expense	\$3,000		
GRAND TOTAL	\$ 20,000	\$	\$ 20,000

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

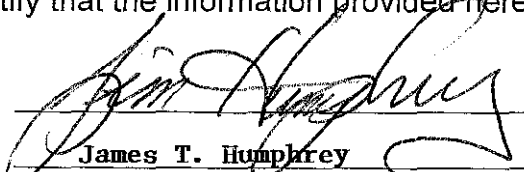
² Salaries are **only** eligible as a grant expense for Law Enforcement projects.

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: Fort Myers Police Department Date: 2/19/02
Project Manager: Lt. Brian Phillips E-mail: bphillips@cityftmyers.com
Phone: 941-338-2259 Fax: 941-337-5254
FEID#: 59-6000321
Address: 2210 Peck Street
Fort Myers, Florida 33901
2. Project Title: Fort Myers Marine Patrol Enforcement and Enhancement Project
3. Category: Navigation Improvement _____ Environmental Education _____
(check one) Boating Safety _____ Recreation _____ Law Enforcement xx
4. Description & Public Benefits (attach sheets if necessary): The Fort Myers Police Department's Marine Patrol Unit enforces state and local vessel laws on the Caloosahatchee River. Funding is being requested to purchase life-saving equipment for two marine vessels, marine equipment, and engines and a trailer needed to enhance the unit's ability to respond to boaters during emergencies on the water. An annual maintenance fee is being requested to properly maintain the vessels at all times. Officer will educate the public about safe boating habits, and they will enforce the manatee laws in and around the Fort Myers Yacht Basin.
5. Permits Required and Status: N/A
6. Estimated Start Date: 10/1/02 Estimated Completion Date: 9/30/03
(May not be prior to October 1)
7. Estimated Total Project Cost: \$65,340 Grant Funds Requested: \$65,340
Identify Matching Funds, if Applicable: N/A

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature: 

Date: 3-5-02

Printed: James T. Humphrey

Title: Mayor

ATTEST: 

, City Clerk

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses (specify)			
Planning	0		
Permitting	0		
Contractual Services (specify) Marine Repair and Maintenance Services	\$10,000		\$10,000 3
Materials (specify)			
Equipment (specify)			
GPS/Garmin (2)	1,000		1,000 1
Fenders-3 foot (4)	240		240
Life jackets (4)	640		640
Salaries ²			
Overtime for police officers	23,186		23,186 2/6
Other FICA	1,774		1,774
(specify)			
23' aluminum trailer	2,500		2,500
Yamaha 150's (2)	26,000		26,000 7
Merc 150	7200 ea / 14,400		
GRAND TOTAL	\$ 65,340.00	\$	\$ 65,340.00

?
?
state contract

35

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a grant expense for Law Enforcement projects.

New engine?

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: Town of Fort Myers Beach Date: January 24, 2002
Project Manager: Marsha Segal-George E-mail: marsha@fmbeach.org
Phone: 941-765-0202 Fax: 941-765-0909
FEID#: 650632342
Address: 2523 Estero Blvd.
Fort Myers Beach, FL 33931

2. Project Title: Enforcement of Water Safety Ordinance

3. Category: Navigation Improvement Environmental Education
(check one) Boating Safety Recreation Law Enforcement

4. Description & Public Benefits (attach sheets if necessary):
This would involve a contract with a marine enforcement provider to do a
targeted enforcement on the Gulf, back bay waters, and Matanzas Pass with a
minimum of 20 hours a week for nine months. This project would also provide
stepped-up enforcement in the Matanzas Harborage.

5. Permits Required and Status: None

6. Estimated Start Date: 2002 Estimated Completion Date: 2003
(May not be prior to October 1)

7. Estimated Total Project Cost: 25,000 Grant Funds Requested: 25,000
Identify Matching Funds, if Applicable: The town will also use license fees
charged to personal watercraft and parasail operators to supplement needed funding
for enforcement.

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature: *Marsha Segal-George* Date: 1-24-2002
Printed: Marsha Segal-George Title: Town Manager

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses			
(specify)			
Planning	0		
Permitting	0		
Contractual Services			
(specify)			
Materials			
(specify)			
Equipment			
(specify)			
Salaries ²			
Other			
(specify)			
GRAND TOTAL	\$ 0	\$ 0	\$ 0

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a grant expense for Law Enforcement projects.



*City of
Bonita Springs*

9220 BONITA BEACH ROAD
SUITE 111
BONITA SPRINGS, FL 34135
TEL: (941) 390-1000
FAX: (941) 390-1004

Paul D. Pass
Mayor

Wayne P. Edsall
Councilman
District One

Jay Arend
Councilman
District Two

R. Robert Wagner
Councilman
District Three

John C. Warfield
Councilman
District Four

David T. Piper, Jr.
Councilman
District Five

Ben L. Nelson, Jr.
Councilman
District Six

Gary A. Price
City Manager

Audrey E. Vance
City Attorney

March 8, 2002

Mr. Steve Boutelle
Senior Environmental Planner
Lee County Natural Resources Division
1500 Monroe Street, 3rd Floor
Fort Myers, FL 33902-0398

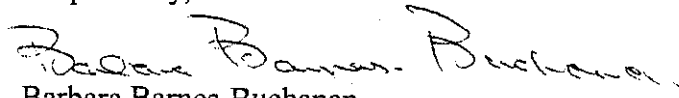
RE: FY 02-03 WCIND Grant Funding
Request for Marine Law Enforcement Assistance

Dear Mr. Boutelle:

On behalf of the City Of Bonita Springs we would like to take this opportunity to submit our request for consideration of WCIND Grant Funding. We have attached one (1) original and eight (8) copies of the application.

Please let us know if we can provide additional information at this time. Thanking you in advance for your time and consideration in this matter.

Respectfully,


Barbara Barnes-Buchanan
Assistant City Manager

BBB/bb

Attachment

CC: Gary A. Price, City Manager

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: City of Bonita Springs Date: March 8, 2002
Project Manager: Barbara Barnes-Buchanan E-mail: _____
Phone: (941) 390-1000 Fax: (941) 390-1004
FEID#: 59-3649914
Address: 9220 Bonita Beach Road, Suite 111, Bonita Springs, FL 34135

2. Project Title: Lee county Marine Law Enforcement

3. Category: Navigation Improvement _____ Environmental Education _____
(check one) Boating Safety _____ Recreation _____ Law Enforcement X

4. Description & Public Benefits (attach sheets if necessary): See Attached

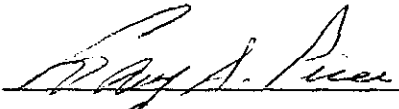
5. Permits Required and Status: NA

6. Estimated Start Date: Oct. 1, 2002 Estimated Completion Date: Sept. 30, 2003
(May not be prior to October 1)

7. Estimated Total Project Cost: \$30,000 Grant Funds Requested: \$30,000
Identify Matching Funds, if Applicable: _____

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature:  Date: March 8, 2002
Printed: Gary A. Price Title: City Manager

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses (specify)			
Planning			
Permitting			
Contractual Services (specify)			
Personnel 20 hrs./wk/yr	\$25,000		\$25,000
Materials (specify)			
Fuel & Maintenance	\$5000		\$5000
Equipment (specify)			
Salaries ²			
Other (specify)			
GRAND TOTAL	\$30,000	\$	\$30,000

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a grant expense for Law Enforcement projects.

**City of Bonita Springs
FY 02-03 Request
For WCIND Grant Funding**

The City of Bonita Springs is respectfully requesting WCIND Grant Funding to provide for Marine Law Enforcement Services in order to provide for a professional and effective effort to enforce local and State laws relating to safe boat operation and resource protection, which in return provide a safe and secure boating and natural environmental in the area Lee County waterways.

It is our intent to continue the effective coordination with the Lee County Sheriff's Marine Unit Deputies for policing on a 20 hour a week basis. The Deputies would provide a boat operator to respond to calls for service outside of normal hours of detail. Services would also include special support for marine related events including search, public information seminars, support for dive team/special operation units and assistance to other agencies, e.g., the U.S. Coast Guard, Florida Marine Patrol and community agencies.

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: Lee County Sheriff's Office Date: 02/19/02
Project Manager: Lt. Morgan Bowden Email: mbowden@sheriffleefl.org
Phone: 941/964-2400 Fax: 941/964-0312
FEID#: 59-6000705
Address: 14750 Six Mile Cypress Parkway
Fort Myers, FL 33912

2. Project Title: Marine Law Enforcement Lee County Sheriff's Office FY 02-03

3. Category: Navigation Improvement _____ Environmental Education _____
Boating Safety _____ Recreation _____ Law Enforcement X

4. Description & Public Benefits (attach sheets if necessary): Please see attached

5. Permits Required and Status: N/A

6. Estimated Start Date: 10/01/02 Estimated Completion Date: 09/30/03

7. Estimated Total Project Cost: \$50,000 Grant Funds Requested: \$50,000

Identify Matching Funds, if Applicable: N/A

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature:  Date: 2/21/02

Printed: Rodney Shoap

Title: Sheriff of Lee County

FEB 25 2002

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds	Total
Construction Expenses			
(specify)			
Planning	\$ -		
Permitting	\$ -		
Contractual Services			
(specify)			
Materials			
(specify)			
Equipment			
(specify)			
1 150HP Motor	\$ 2,500.00		
1 Patrol Boat	\$ 17,000.00		
Salaries			
Water Patrol	\$ 25,000.00		
Other			
(specify)			
Boat Maintenance	\$ 5,500.00		
GRAND TOTAL	\$ 50,000.00		

BACKGROUND:

The Lee County Sheriff's Office (LCSO) Marine Unit has been in existence since 1986 when it began with one boat and one full-time deputy. At that time, the primary mandate was drug interdiction and the integration of the Unit with LCSO Aviation, U. S. Customs and other Marine Units. Since that time, the LCSO Marine Unit has grown to four full-time deputies. The LCSO Marine Unit operates eight vessels with the support of an additional six deputies assigned to the barrier islands.

The LCSO Marine Unit is under the command of the Special Operations Division Commander, currently Captain Gene Sims. The district encompasses all of Lee County waters including the intracoastal waterway, Charlotte Harbor, Pine Island Sound, Caloosahatchee River, Estero Bay, Imperial River, Fort Myers Beach and the Gulf of Mexico, up to eight sea leagues off the coast. The LCSO Marine Unit provides law enforcement support for these waters as well as the islands of Useppa, Captiva, Upper Captiva, Gasparilla, Sanibel, Cabbage Key, LaCosta and Lovers Key.

MISSION STATEMENT:

The intent of the LCSO Marine Unit is to provide a professional and effective effort to enforce local and State laws regulating safe boat operation and resource protection, subsequently providing a safe and secure boating and natural environment in Lee County waters. The goals of the LCSO Marine Unit are achieved primarily through on-water patrol utilizing the Unit's eight specially equipped vessels. The LCSO Marine Unit also provides special support for marine related events including search and rescue, public information seminars, support for Dive Team/Special Operation Units and assistance to other agencies such as the U.S. Coast Guard and the Florida Marine Patrol.

The following outlines classification of the four missions for operations involving the LCSO Marine Unit:

1. **General Patrol:** The Marine Deputy is assigned an area of the county to cover and patrol. In this area, the Marine Deputy will conduct enforcement and resource protection by actions, assistance and other related duties as necessary.
2. **Directed:** The Marine Deputy, as directed by the LCSO Watch Commander, Island Coastal District Commander or other authorized deputy, will conduct an assigned task.
3. **Classified:** The Marine Deputy is assigned to assist in or carryout a task that is classified and related to an investigation matter that is sensitive in nature.
4. **Administration:** The Marine Deputy is assigned to a task that involves administrative personnel or papers, such as the transportation of same to an area that is more readily reached by boat.

BUDGET:

Salaries

Cost: \$25,000

Deputy Wages to put more officers on the water during peak hours in peak locations, specifically weekend shifts. An additional deputy is requested to cover two, 7.5 hour shifts each weekend for twelve months. Overtime wage would be necessary to pay the additional 780 hours.

Calculation: Marine Deputies possess an average of eight years of experience and receive an estimated wage of \$16.00 an hour, \$24.00 an hour for overtime. FICA and retirement payments have been factored in at the appropriate percentages.

Equipment:

Cost: \$19,500

150 horsepower Mercury outboard motor and rigging installation will be purchased for one vessel @ \$2,500.

1 Marine Patrol Boat fully equipped @ \$17,000.

Expenses:

Cost: \$ 5,500

To prolong the life of existing vessels, thereby maximizing the utilization of agency resources, vessel repair and maintenance is regularly conducted. The estimated budget request will allow the LCSO to perform the manufacturers recommended mechanical maintenance on all existing motors. In addition, necessary fiberglass repairs to vessel hulls and replacement of exhausted equipment are included in this amount.

TOTAL BUDGET: \$50,000

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: FORT MYERS POWER SQUADRON Date: 3-4-02
Project Manager: PATRICIA CLARK E-mail: KAPCLARK@WORLDNET.ATT.NET
Phone: 652-0087 Fax: 652-0087
FEID#: 59-6159623
Address: 355 ANCHOR WAY
N. FORT MYERS, FL 33903

2. Project Title: USPS CO-OPERATIVE CHARTING

3. Category: Navigation Improvement Environmental Education _____
(check one) Boating Safety _____ Recreation _____ Law Enforcement _____

4. Description & Public Benefits (attach sheets if necessary): SEE ATTACHED
SHEETS (2)

5. Permits Required and Status: N/A

6. Estimated Start Date: 10-1-02 Estimated Completion Date: 9-30-03
(May not be prior to October 1)

7. Estimated Total Project Cost: \$1,000.00 Grant Funds Requested: \$1,000.00
Identify Matching Funds, if Applicable: N/A

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature: James W. Cooke, Jr. Date: 3-4-02
Printed: JAMES W. COOKE, JR Title: COMMANDER,
FORT MYERS POWER SQUADRON

FY 01-02 WCIND Grant Funding
Applicant: Fort Myers Power Squadron

Item 4. Description and Public Benefits:

Project Background: In September 2001 the Belcher Barge discontinued its daily transportation of fuel oil to the Florida Power and Light Plant at Tice (on the Caloosahatchee River) from a terminal at Boca Grande. The barge with a propeller depth of 8.5 feet when fully loaded has potentially provided dredging or clearing of parts of its route which otherwise would be subject to shoaling. Impact of this potential shoaling is unknown at this time. The SW Florida Regional Harbor Board (RHB) has expressed a concern about this change and its potential impact on the river depths. The RHB initiated an agreement with the United States Power Squadron (USPS) specifically Fort Myers, Cape Coral, and Sanibel Squadrons. This agreement will have these groups monitor their respective portions of the Intercoastal Waterway that is of concern. As part of its ongoing contribution to the local community through its Cooperative Charting Project, The Fort Myers Power Squadron (FMPS) has volunteered to monitor an approximate 12-mile stretch of the Caloosahatchee River from the Midpoint Bridge to the Florida Power and Light Plant in an ongoing status for an indefinite period of time.

Project Scope: The purpose of this project is to provide monitoring and to report any changes in river depths that may appear in the area from the Power Plant to Boca Grande. Excursions on the assigned waterways will be planned and carried out by volunteer members of the FMPS using their own boats, depth finders, etc. The required data (position and current water depths) will be gathered at regular and structured intervals via use of Global Positioning Systems (GPS) and depth finders. The accumulated data will be processed through computer software developed by USPS personnel. The generated reports will be forwarded to the appropriate agencies for their information and corrective action, including the National Oceanographic Service (NOS) for updating of charts to enhance navigational safety. There is no set time for completion of this project. Monitoring will continue indefinitely for as long as there appears to be a navigational concern.

Project Cost:

- The only cost associated with this project is for equipment not currently owned or made available by the members of the FMPS and/or USPS.
- Volunteer's time is donated. Boats and all associated expenses (fuel, upkeep, etc) and equipment (depth finders) are donated. USPS has provided necessary charts. Each individual member provides required plotting instruments and charting expertise. Value of the total anticipated volunteer's time, boats and associated equipment, donated plotting instruments and charting expertise is unknown.
- The FMPS has provided funds to purchase appropriate dedicated GPS equipment including cables for communication with a personal computer. Total amount anticipated to be expended is \$600.00.
- USPS has provided free software to process the gathered data to NOS' specifications, along with expertise and training in the use of this technical software. USPS will provide required upgrades of the software but does not provide the required hardware. Value of the software and associated training is unknown.
- The only outstanding equipment required but not yet purchased is a dedicated personal computer (laptop) for use in processing and reporting the gathered data. Currently the FMPS is using borrowed equipment for this purpose. There is no signed 'contract' for the use of this equipment and the availability of the equipment could end at any given time. Anticipated cost to purchase this required dedicated equipment (laptop) is \$1000.00.

Project Connection to Navigation in Lee County: Southwest Florida RHB and the local squadrons of USPS believe that the cessation of regularly scheduled runs of the Belcher Barge will, over time, create the potential for shoaling and changes in channel depths in varying and unknown locations within the 12-mile stretch of waterway assigned to the Fort Myers Power Squadron for monitoring. These changes in depth have the potential to make varying and unknown areas of the waterway no longer navigable and potentially dangerous to boaters (both recreational and commercial). By developing and maintaining an ongoing process of monitoring the channel, the FMPS has the opportunity to identify and report changes in order to allow the earliest warning to appropriate agencies and provide time for these agencies to make plans to correct the problems. Currently there is no funded agency providing the required monitoring. Loss of open channels for navigation in this area could have negative impact on the tourism and boating industry in Lee County. There is no way to estimate the dollar value associated with this potential lost revenue.

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses (specify)	∅		
Planning	0		
Permitting	0		
Contractual Services (specify)	∅		
Materials (specify)	∅		
Equipment One (1) (specify) LAPTOP COMPUTER O/S OF SUFFICIENT SIZE AND SPEED TO RUN REQUIRED SOFTWARE	\$1,000.00		
Salaries ²	∅		
Other (specify)	∅		
GRAND TOTAL	\$ 1,000.00	\$	\$ 1,000.00

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a grant expense for Law Enforcement projects.

**Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees**

1. **Applicant:** Sanibel - Captiva Sail & Power Squadron **Date:** February 27, 2002
Project Manager: James H. Strothers **E-mail:** Chngsnattitudes@aol.com
Phone: 941-395-1856 **Fax:** 941-395-7656
FEID#: _____
Address: 2459 Harbour Lane
Sanibel, FL. 33957

2. **Project Title:** ICW Depth Monitoring

3. **Category:** Navigation Improvement Environmental Education _____
(check one) Boating Safety _____ Recreation _____ Law Enforcement _____

4. **Description & Public Benefits** (attach sheets if necessary): _____
See attached sheets


5. **Permits Required and Status:** None

6. **Estimated Start Date:** started 10-01* **Estimated Completion Date:** on going
(May not be prior to October 1) * currently using personal equipment

7. **Estimated Total Project Cost:** 4140.00 **Grant Funds Requested:** 4140.00
Identify Matching Funds, if Applicable: _____

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature:  **Date:** 2-27-02
Printed: James H. Strothers **Title:** Chr. Coop Charting

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses			
(specify)			
Planning	0		
Permitting	0		
Contractual Services			
(specify)			
Materials			
(specify)			
Equipment			
(specify)			
2- laptop computers	3200.00		
2- carrying cases	60.00		
2- printer/scanner combination	500.00		
2- Intellimouse	80.00		
Salaries²			
2- Garmin Download cables	100.00		
Misc. Cables and software	200.00		
Other			
(specify)			
GRAND TOTAL	\$ 4140.00	\$	\$

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a grant expense for Law Enforcement projects.

The attached report provides a description of the project that has been developed.

This project is currently an active project using DGPS equipment purchased through a previous grant. In preparing the reports for this survey the members are utilizing a computer program known as "DepthWiz" that enables us to take the soundings, compute the results to Mean Low Lower Water (MLLW) and plot them on a chart. Currently this work is being performed by the members of the Power Squadrons using their own personal computers, scanners and printers.

The purpose of this request for grant money is to purchase two laptop computers, two combination scanner/printers, and the miscellaneous hardware for use on this project. By using laptop computers this would allow a larger number of individuals to help in compiling the data for this survey. This would enable the data to be collected, analyzed and printed in a more fashion. Since the equipment would be portable, it would enable the work to be performed during the "off season" by members who remain here.

An other advantage of having this equipment is that it would provide for a consistent report. Currently the reporting may vary due to the member's capability in processing the data. For example, not all the people working on this project have the capability of downloading the waypoints from the DGPS equipment into a computer. This then requires someone else to download the files and relay that information to another person for processing. It is felt the more the data is transferred back and forth the more chance for error. By using equipment specifically assigned for this task would greatly reduce this possibility. There are also some people working on this project who do not have scanners. This prohibits them from scanning the charts on which the soundings are plotted.

The members of the Power Squadron feel this project is a great benefit to the boating community in that it is providing the current conditions of the ICW on a regular basis. Being able to process and report this information efficiently would greatly enhance our efforts.

**SPECIAL JOINT PROJECT
SANIBEL-CAPTIVA, CAPE CORAL, FT. MYERS, NAPLES
USPS - NOS COOPERATIVE CHARTING PROGRAM
SUPPLEMENTAL PROJECT REPORT**

Date: 10 September 2001

Project Number: SJP01-001

Report Number: SJP01-001.01

Project Area: Intercoastal Waterway

Chart Number/Name: 11427

Edition Number: 32nd, June 9/01

Report Prepared by: Jim Strothers

Land miles (base to site or marina):

Water miles:

Primary Observer: Jim Strothers

Other Observers: See attached list

Project Description: (Describe in detail the project, how and why it was developed, who was involved, etc.)

A meeting was held 29 August 2001 to discuss a proposed project for the Cooperative Charting Program. See the attached PROJECT REPORTING FORM. This proposed project would involve the Sanibel-Captiva, Cape Coral and Ft. Myers Power Squadrons. The meeting was held at the St. Charles Yacht Club beginning at 1000. Attending the meeting were representatives from all three squadrons.

ATTENDEES

Name	Squadron	Phone
Bob Hcaley	Sanibel-Captiva	472-6808
Don Gasper	Cape Coral	541-3167
Neil Kempt	Cape Coral	574-9687
Pat Clark	Ft. Myers	652-0087
Bob Louis	Ft. Myers	368-1198
Pat Maurice	Ft. Myers	694-8322
Ken Clark	Ft. Myers	652-0087
Lee Junker	Ft. Myers	368-9734
Jim Strothers	Sanibel-Captiva	395-1856

Project Report: (Provide a detailed report of the results of the project)

Jim Strothers started the meeting by introducing Bob Healey, who is a member of the Regional Harbor Board, asking him to explain how the idea for this project came about. Bob explained that at the last RHB meeting there was a concern that when the barge that transports the fuel to the Florida Power and Light plant ceases to run that shoaling may occur in the river channel as well as the ICW. Bob mentioned to the RHB that the Power Squadrons are equipped to perform depth surveys and have a means to report the information to NOS.

Jim Strothers then explained the scope of this project. It would involve obtaining baseline data on the existing condition hopefully before the barge ceases to run. If not it would be necessary to obtain this data as soon as possible. After the baseline data is collected the information would be used and with Bill Lazear's DepthWiz program to compile a file with the results. Periodic runs would be made in the future to compare the baseline data to future runs to determine if shoaling is occurring. This would provide as early warning that a problem is developing. This information would be forwarded to the appropriate agencies for their use.

The feeling of all the attendees is that this is a worthwhile and viable project. The information obtained would be of great use to the appropriate agencies. All three squadrons agreed they would participate in this project.

It was felt that the squadrons would need some tutoring on how to obtain this information. Jim Strothers and Bob Healey suggested that Sanibel-Captiva would aid in this training. It was also mentioned that perhaps Bill Lazear would be interested in helping train people on the use of the DepthWiz program.

Ft. Myers indicated that they do not have the necessary DGPS equipment at this time to use for this project. Jim and Bob felt that one of the Sanibel-Captiva units could be loaned to them until they obtain their own.

It was also agreed upon that the coordination for this project would be through Jim Strothers as District Chairman of Coop Charting.

The areas to be covered by the individual squadrons are as follows:

Ft. Myers: Mid-Point Bridge east to the Railroad Bridge

Cape Coral: Mid-Point Bridge west to marker 101

Sanibel-Captiva: Marker 101 to Boca Grande

The meeting was concluded at 1130.

Attached to this report submitted to NOS is chart number 11427 with the areas to be covered by each Squadron.

Due to the nature of this project more than 5 people are being added as observers. Please refer to the MEMBER PARTICIPATION ACTIVITY REPORT for the time and credit allotment.

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: City of Cape Coral Date: March 7, 2002
Project Manager: Bob Burns E-mail: bburns@capecoral.net
Phone: (941) 573-3115 Fax: (941) 573-3130
FEID#: _____
Address: P.O. Box 150027
Cape Coral, FL 33915-0027

2. Project Title: Signage For Public Boat Ramps

3. Category: Navigation Improvement _____ Environmental Education X
(check one) Boating Safety _____ Recreation _____ Law Enforcement _____

4. Description & Public Benefits (attach sheets if necessary): To display signage at Cape Coral
Public Boat Ramp Facilities. The signage will include:

1. Identifying that facility is a public boat ramp.
2. Educational information.
 - a.) Manatee awareness
 - b.) Report oil and chemical spills
 - c.) Standardize color and information

5. Permits Required and Status: City sign permits only

6. Estimated Start Date: November 2002 Estimated Completion Date: March 2003
(May not be prior to October 1)

7. Estimated Total Project Cost: \$5,825 Grant Funds Requested: \$5,500
Identify Matching Funds, if Applicable: Permit Fee Only

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature: Bob Burns Date: 3-7-02
Printed: Bob Burns Title: Superintendent

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses (specify)			
Planning	0		
Permitting	0	\$325	
Contractual Services (specify)			
Materials Signage (specify)	\$5,500		
Equipment (specify)			
Salaries ²			
Other (specify)			
GRAND TOTAL	\$ 5,500	\$ 325	\$ 5,825

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a grant expense for Law Enforcement projects.

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: Calusa Nature Center & Planetarium - Date: 3/7/02
Project Manager: Michael Simonik E-mail: www.calusanature.com
Phone: (841) 275-3435 Fax: (841) 275-9016
FEID#: 23-7090889
Address: 3450 Ortiz Ave.
Fort Myers, FL 33905

2. Project Title: Manatees - A Science-Based Perspective Environmental Education Program

3. Category: Navigation Improvement Environmental Education
(check one) Boating Safety Recreation Law Enforcement

4. Description & Public Benefits (attach sheets if necessary): See Attachments

5. Permits Required and Status: None

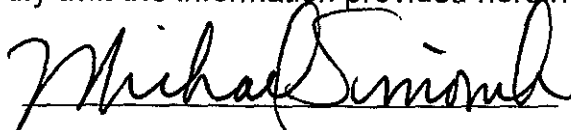
6. Estimated Start Date: October 1, '02 Estimated Completion Date: Sept. 2003
(May not be prior to October 1)

7. Estimated Total Project Cost: 41,100 Grant Funds Requested: 41,100

Identify Matching Funds, if Applicable: _____

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature:  Date: 3/7/02
Printed: Michael Simonik Title: Executive Director

4. Calusa Nature Center and Planetariums Proposal Description and Public Benefits:

Manatees in Southwest Florida (particularly in Lee County) represent a significant boating-navigation problem fueled by controversy, filled with misinformation, disinformation and emotionalism. This Project will provide the public with basic information, an awareness, and fundamental understanding of the biology of the West Indian Manatee, its natural history, anatomy, typical behavioral patterns, current research initiatives, and a delineation of the central issues relative to Manatees in Lee County (from a range of perspectives), and the impact and mitigation activity that the FP&L Caloosahatchee River Power Plant discharges have had on Manatees, the resources of Lee County Manatee Park facility, and other related topics that are of concern to the general public. The Calusa Nature Center and Planetarium (CNCP) is not an advocacy organization but a public environmental education entity and makes every effort to base its exhibits and programs on the latest scientific data and information, and represents the major range of community perspectives on values based positions in its programs and exhibits in a balanced perspective when these topics are raised at workshops, field trips, and instructional presentations.

The proposed project builds upon the long history the CNCP has in presenting informative exhibits that have proven effective throughout 27 years of community programming based upon the best available science and natural history information.

Within this context the project design includes three core elements.

1. Manatee Exhibit Expansion, Upgrading and Transportability Component: is focused on doubling the exhibit venue sites, upgrading existing exhibit elements at the museum facility, and creating a portability dimension of the Manatee Exhibit the WCIND provided core funding for in previous years almost a decade ago. The current exhibit gets more than 100,000 visitors and school students from the five county area, homeschoolers, non formal groups such as YMCA, scouts, and clubs. The Manatee exhibit is one of the most popular exhibits in the museum complex. Our problem is that some of the information on the exhibit is outdated, recent technologies and data based information are not included, the technological tracking component is worn out and other elements are showing the wear of years of use and grasping hands that hold the manatee rib and touch the skull, read the information graphics, and try to track imaginary manatees in the forest. All serve as a very positive statement of both effectiveness of the exhibit and the interest of visitors. We propose to refurbish and expand the exhibit by adding a Manatee three dimensional life-like model replica that is approximately the same size as the existing skeleton, a new ten foot curved backdrop display background (which is transportable for special community event exhibit set up) two stand alone kiosks in front of the background display, and maps and graphics that depict a tracking chart that comes right from the existing science data log satellite, GIS tracking information. An adjacent graphic GIS map will display tracking data of that same manatee's weekly travels and possibly the travel paths of five other satellite tagged manatees in Lee County and beyond during each weekly period so that the exhibit stays current and dynamic. Sonic recordings of manatee sounds in the Orange river will play as background audio at this interior manatee exhibit. The current exhibit on the porch of the CNCP will be divided into two sections. The manatee skeleton, bones, and manatee satellite antenna elements of the exhibit outlined above will be moved into the inner core of the Museum space (integrated near the SW Florida 3-D Diorama map exhibit) upgraded with newly added VHF and sonar antenna elements attached to the new life-like model manatee swimming, with the hanging manatee skeleton hanging from the ceiling - behind the model for comparison, and skull and rib touch elements attached to the podium stands in front of the backdrop. A refurbished VHF tracking device simulation and new Manatee Porch activity center with the existing graphic information and instructions for tracking will remain on the porch as an active participation center. People will once again be able to track imaginary manatees around the nature center grounds. A take home set of Manatee publications from a wide variety of sources will be available in an appropriate rack for visitors to learn more and seek other

sites to gain greater insights to the manatee. An evaluation through a visitor interactions study and post visit interview will assess the impact of the exhibit on visitors' knowledge, understanding and attitudes toward manatees in Lee County and in its entire range. In summary, the current exhibit on Manatees will be divided into an outdoor manatee tracking and listening activity center with interpretive information and direction. A new indoor central exhibit will have the latest scientific information and tracking methodology, and information on manatees especially in Lee County. This professionally developed exhibit component will be designed to be transportable to special community events to provide an even greater public outreach and environmental education experience relative to Manatee biology and science in Lee County and beyond. The transportable design element for this exhibit will enable CNCP to take it to Manatee Park Celebrations, County Fair, Earth Day and other major community events which enhance its environmental outreach and cost effectiveness.

2. Manatee exhibit and Program Training Component The CNCP will conduct four environmental education training workshops for multiple audiences on how to best use the Manatee Exhibit instructionally. A second element of the workshop training sessions will train participants to effectively lead field trips and learning activities at CNCP and Manatee Park. These workshops will include either, or both, a canoe in the Orange River, and a tour on the Manatee World tour boat and observation of their sea grass study submersible. The CNCP will collaborate with Lee District Schools Environmental Education Department (who are developing similar workshops for classroom teachers in the public school system) in the development of these program activities. The Nature Center's target groups are the CNCP's volunteer core and naturalist staff, private school teachers, community leaders in youth and environmental organizations, businesses such as Bonita Bay Group and WCI who would like key employees trained, non formal youth group leaders, church youth leaders, homeschool providers, and other non formal education parties. Thus, this environmental education training program will complement the Lee County Schools Public School teacher training program. This component will provide the fees for the environmental education instructors, EE manatee teacher guides, and student activity materials, and contracted services for boat tours and canoeing the Orange and Caloosahatchee River. We estimate that these workshops will engage a minimum of 100 participants as leaders which will have a direct reach of impact on at least eight thousand participants on environmental education trips to CNCP and the extension to Manatee Park.

A second dimension the environmental education training program would include is engaging the participants, along with the general public in a Manatee - Current Research Investigations forum which brings together the leaders in scientific research on Manatees in Southwest Florida. A one day scientific symposium hosted by CNCP would bring together scientists from the Sirennia Project (USGS), based in Gainesville, State Biologists, and Federal Research interests, and Mote Marine Lab Researchers. Scientists will present an overview of her or his research and what she or he is attempting to find out, their methods, results and findings to date, other key questions that need investigation. After the individual presentations a panel discussion will afford an expanded discussion with questions and answers from the participants. This scientific symposium assures the high quality of information and that we keep the Environmental Education Manatee project participants current and knowledgeable of the best available science and who is engaged in producing it. In this manner we are not dependent upon mass media sources which do not always provide accurate or complete information for our participant's foundation of information on Manatees.

3. Boaters Environmental Education Module on Marine Related Natural Systems of Concern To Boater Navigation in Lee County: CNCP proposes to produce a program module focused on Natural Resources of SW Florida Marine and Estuarine Systems that will include a major focus on manatees, dolphins, sea turtles, oyster reefs, sea grass beds, mud flats, sand flats, mangrove systems, water quality relationships, and environmental legal and ethical relationships to local

marine life. The multimedia video and power point presentation would be presented at Power Squadron Small Boat Course, and to local organizations. We regularly are asked to present programs to boater-fisher organizations, such as Tarpon Hunters, Yacht Clubs, community associations, and other interested groups and organizations in Lee County. The format would use segments of the existing WCID video production, the A Boaters Guide to Lee County Map, and other existing resources, and integrate these resources into an approximately 25 minute power point presentation. Print materials including a brochure that will be produced by this project, will also be distributed at these presentations. A minimum of 20 presentation will be made during this grant year. The critical missing link preventing CNCP from delivering these and other marine related programs is the lack of a moderate quality LCD projector system. All the other elements can be developed in house or with local contracted services. This system would be used in each segment of this project to facilitate public outreach.

Budget Summary

Project Element 1.	Outdoor Exhibit Construction	\$ 1,200
	Contracted Services Exhibit Design	3,000
	Manatee Life Sized Model	3,500
	Transportable Exhibit System & graphics	5,100
	VHF Tracking & satellite hookup/hydrophone	
	CD system, touch TV interaction	6,500
	Fabrication, text and graphics	3,200
	Printing	<u>2,500</u>
		\$25,000
Element 2.	Proceedings Printing & editing	1,800
	Contracted Services & travel (some scientists)	2,500
	Summary Symposium Power Point (c.s.)	1,600
	Contracted Service Symposium Coord.	<u>1,500</u>
		\$ 7,400
Element 3.	Contracted Services Coordination	1,200
	Equipment LCD Projector System	6,400
	Printing Brochure:	<u>1,100</u>
		\$ 8,700
	Project Total	\$41,100

Note: no match is required but CNCP & FGCU staff will provide consulting and development time and materials with an estimated value of more than \$10,000

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses			
(specify) Outdoor Exhibit	1,200		1,200
Planning	0		
Permitting	0		
Contractual Services	3,000		
(specify)	3,200		
	2,500		
	1,600		
	1,500		
	1,200		13,000
Materials			
(specify)			
Equipment			
(specify) Exhibit sys.	5,100		
VHF tracking,HydroPH	6,500		
Touch TV/CD			
LCD Proj.	6,400		18,000
Salaries ²			
Other			
(specify) Printing	2,500		
	1,800		
	1,100		5,400
Manatee model	3,500		3,500
GRAND TOTAL	\$	\$	\$ 41,100

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a grant expense for Law Enforcement projects.

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: Environmental Education Program
Lee County School District Date: 03/08/02
Project Manager: Cindy Bear E-mail: CindyB3@lee.k12.fl.us
Phone: 941-275-3033 Fax: 941-275-0455
FEID#: 59-6000701
Address: 2055 Central Avenue
Fort Myers, Florida 33901

2. Project Title: Manatee Habits and Habitates Field Trip

3. Category: Navigation Improvement _____ Environmental Education X
(check one) Boating Safety _____ Recreation _____ Law Enforcement _____

4. Description & Public Benefits (attach sheets if necessary): The project will provide field
trip transportation and student booklets for approximately 3,000 fifth grade
students to Lee County's Manatee Park. Teacher workshops will also be offered.
The project assures students and teachers receive information about manatees
that is scientifically accurate and balanced. Please see attached proposal
narrative for additional details.

5. Permits Required and Status: None

6. Estimated Start Date: November 2002 Estimated Completion Date: June 2003
(May not be prior to October 1)

7. Estimated Total Project Cost: 12,274 Grant Funds Requested: 8,374
Identify Matching Funds, if Applicable: Lee County Parks & Recreation volunteer
time, administrative support of Environmental Education Program

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature: Cindy Bear Date: 03/08/02
Printed: Cindy Bear Title: Resource Teacher

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses (specify)			
Planning	0		
Permitting	0		
Contractual Services (specify)			
bus transportation ¹ (55 @ \$80)	4,400		
printing ²	1,800		
Workshop trainer ³ (Planning & presentation)	1,700	<i>contracted? or existing staff</i>	
Equipment (specify)			
Salaries ² donated volunteer time ⁴		2,340	
EE staff administration ⁵		1,500	
Other (specify)			
indirect (overhead) 6% ⁶	474		
GRAND TOTAL	\$ 8,374	\$ 3,840	\$ 12,214

1 Sixty students, two teachers per bus

2 Student materials

3 Planning time @ 20 hours @ \$45 per hour plus 18 hours presentations @ \$45 per hour

4 Value donated time 15 docents @ 15 hours @ \$13 per hour.

5 Value secretarial support 100 hours @ \$15 per hour

6 Required by Lee County School District

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a grant expense for Law Enforcement projects.

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: SANIBEL-CAPTIVA AUDUBON SOCIETY Date: March 6, 2002
Project Manager: CLAUDIA BURNS E-mail: _____
Phone: 941/472-2682 Fax: 941/472-2682
FEID#: 65-0393421
Address: P.O. BOX 957
SANIBEL, FL 33957

2. Project Title: THE WILDLIFE COLORING BOOK

3. Category: Navigation Improvement Environmental Education
(check one) Boating Safety Recreation Law Enforcement

4. Description & Public Benefits (attach sheets if necessary): An educational coloring book will show visitors appropriate interaction with terrestrial and marine wildlife throughout the West Coast Inland Navigation District, and will be distributed, **free of charge**, by chambers-of-commerce, marinas, conservation groups, rental resorts/agencies, restaurants, and other organizations that serve visitors. Cartoons in the coloring book include those used in the Wildlife Protocol, whose distribution to marinas WCIND recently funded, plus other cartoons that show **marine wildlife** - especially **manatees**. The coloring book also features full-page logos of wildlife rehabilitation centers and organizations that offer public environmental education programs, with contact information. A mock-up of the Wildlife Coloring Book will be available soon. The coloring book will be expanded to feature additional **marine wildlife** and logos of **regional** conservation groups.

5. Permits Required and Status: N/A

6. Estimated Start Date: 11/1/02 Estimated Completion Date: 4/2/03
(May not be prior to October 1)

7. Estimated Total Project Cost: \$3,652 Grant Funds Requested: \$3,652
Identify Matching Funds, if Applicable: _____

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature: Claudia Burns Date: 3/6/02
Printed: CLAUDIA BURNS Title: PROJECT MANAGER

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses (specify)			
Planning	0		
Permitting	0		
Contractual Services (specify)			
Materials (specify) PRINT 50,000 COPIES OF THE WILDLIFE COLORING BOOK	\$ 7,340		
Equipment (specify) 1,440 BOXES OF 4 CRAYONS (OPTIONAL)	\$ 162		
Salaries ² VOLUNTEER SERVICES		\$ 800	
Other (specify) LAYOUT/ ARTWORK	\$ 150	\$ 1,500	
GRAND TOTAL	\$ 3,652	\$ 2,300	\$

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a grant expense for Law Enforcement projects.

Lee County Division of Natural Resources Management
WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: **Royal Palm Sailing Club, Inc. dba/Edison Sailing Center** Date: 3/7/02
Project manager: Stephanie Webb Email: stephwebb46@aol.com
Phone: 454-5114 FAX: 454-6379
FEID#
Address: 3594 Broadway Fort Myers, FL 33901

2. Project Title: **SAIL-on**

3. Project Category: **Recreation**

4. Project Description and Public Benefit to Result: **As Florida seeks to attract visitors back to its beaches and area venues, the simplicity of the High School Sailing Program (a lead-in to the intercollegiate sailing competitions among some of the most prestigious universities and maritime academies) has accomplished this goal through its increased competitive racing schedule, bringing teams of students from the southeastern U.S. into our area multiple times throughout the year. As these teams hone their skills, their interest in sharpening their on-the-water abilities requires performance in both two-man as well as single-hand boats. The 14' sailboat known as the Laser is a highly versatile boat. It is not limited to use with this target audience, but rather is adaptable for adults, retirees, as well as youth. Access to another six Lasers (plus the equipment noted in the Budget) would allow us to build-on to the existing program which has brought students from Collier, Lee, and the east coast to train weekly and race frequently through the auspices of ESC. This is the fastest-growing training program we have offered to date. The U.S. Naval Academy, among others, has contacted us seeking to recruit some of our high school seniors. This program is being considered as one of the weighted criteria for selection to some of the nation's most prominent schools.**

5. Permits Required: None

6. Estimated Start Date: October 15, 2002 Estimated Completion Date: Ongoing

7. Estimated Total Project Cost: **\$32,880** Grant Funds Requested: **\$16,440**
Identify Matching Funds, If Applicable: 50% match through community donations

Complete Estimated Budget Summary (please write on reverse side or separate attachment).

8. I hereby certify that the information provided is true and accurate.

Signature _____
Printed: _____

Date _____
Title: _____

BUDGET ESTIMATE	Grant Funds	Matching Funds	Total
Construction Expenses (specify)	-0-		
Planning	0		
Permitting	0		
	-0-		
Contractual Services (specify)	-0-		
Materials (specify)	-0-		
Equipment (specify)			
14' Laser x 6	\$13,200	\$13,200	\$26,400
Dolly x 6	\$900	\$900	\$900
Covers x 6	\$750	\$750	\$1500
Blade bags x 6	\$240	\$240	\$480
Radial Rig x 6	\$1,350	\$1,350	\$2,700
Other	-0-		
Salaries	-0-		
GRAND TOTAL	\$16,440	\$16,440	\$32,880

Item Cost Analysis: 14' Laser \$4,400.00 each
 Boat dolly 300.00 each
 Covers 250.00 each
 Blade Bags 80.00 each
 Radial Rigs 450.00 each

\$5,480.00 inclusive (x 6 requested)

Lee County Division of Natural Resources Management
WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: Royal Palm Sailing Club, Inc. dba/**Edison Sailing Center** Date: 3/7/02
Project Manager: Stephanie Webb Email: stephwebb46@aol.com
Phone: 454-5114 FAX: 454-6379
FEID#
Address: 3594 Broadway
Fort Myers, FL 33901

2. Project Title: **Powerboat Education for Florida State Licensure**

3. Project Category: **Boating Safety and Recreation**

4. Project Description and Public Benefit to Result: **Powerboat Safety education is as critical as Driver Education in waterway-rich Southwest Florida. Our program continues to be the only Powerboat Safety course taught *completely* on the water. Implemented in response to the state's requirement for all boat operators to be licensed, Edison Sailing Center's program has now been adapted by the United States Sailing Association and used as a model training program for all instructors certified by USSA. We have maximized the use of one of the original (1995 grant) hard-bottom inflatables that has logged more than 6000 hours. Three of the remaining boats from the 1995 grant are projected to remain operable for 1-2 more years. Our goal is to avoid interruption to one of the most registered for courses year round by replacing the boat with a 10' hard-bottom inflatable, a 15HP, 4-stroke engine and trailer.**

all education?

5. Permits Required: None

6. Estimated Start Date: January, 2003 Estimated Completion Date: Ongoing

7. Estimated Total Project Cost: **\$6,500** Grant Funds Requested: **\$3,250**
Identify Matching Funds, If Applicable: 50% match, community donations & support

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature _____ Date _____

Printed: _____ Title: _____

BUDGET ESTIMATE	Grant Funds	Matching Funds	Total
Construction Expenses (specify)	-0-		
Planning	0		
Permitting	0		
	-0-		
Contractual Services (specify)	-0-		
Materials (specify)	-0-		
Equipment (specify)			
10' hardbottom inflatable			
15HP, 4-stroke engine	\$3,250	\$3,250	\$6,500.00
Aluminum trailer			
Other (specify)			
GRAND TOTAL	\$3,250.00	\$3,250.00	\$6,500.00

Lee County Natural Resources Division / WCIND Waterway Development Program
Pre-Application Form for Sub-grantees

1. Applicant: TURTLE TIME, INC. Date: March 4, 2002
Project Manager: Eve M. Haverfield E-mail: whaverfi@peganet.com
Phone: 941-481-5566 Fax: 941-481-5566
FEID#: 65-0228858
Address: 3627 Heritage Lane
Fort Myers, Florida 33908

2. Project Title: Raising Public Awareness in Sea Turtle Conservation Through Field Learning Experiences

3. Category: Navigation Improvement Environmental Education
(check one) Boating Safety Recreation Law Enforcement

4. Description & Public Benefits (attach sheets if necessary):
As our outreach educational programs have proliferated, so have the requests to provide direct observational field experiences. Environmental Studies students from FGCU, high school students working on marine turtle studies, national and international travel writers sent to us by the Visitor and Convention Bureau, local TV news media covering sea turtle issues - these are just some of the groups interested in helping to educate the public concerning endangered and threatened marine turtles. Being able to facilitate field experiences for students, writers and others of the public, further enhances our educational efforts for the recovery of the species.

5. Permits Required and Status: FWC Marine Permits #003 and #138 (exp. 1/31/03)

6. Estimated Start Date: 10/01/02 Estimated Completion Date: 10/01/03
(May not be prior to October 1)

7. Estimated Total Project Cost: \$5425.00 Grant Funds Requested: \$5425.00
Identify Matching Funds, if Applicable: NA

Complete Estimated Budget Summary on Reverse Side or Separate Attachment.

8. I hereby certify that the information provided herein is true and accurate.

Signature: *Eve M. Haverfield* Date: 3/04/02
Printed: Eve M. Haverfield Title: Director

BUDGET ESTIMATE DETAIL	Grant Funds	Matching Funds ¹	Total
Construction Expenses			
(specify)			
Planning	0		
Permitting	0		
Contractual Services			
(specify)			
Materials			
(specify)			
Equipment			
(specify)			
Kawasaki Mule 550	\$5425.00		\$5425.00
Salaries ²			
Other			
(specify)			
GRAND TOTAL	\$5425.00	\$	\$5425.00

¹ Matching funds are **required** only for Boating Safety and Recreation projects, but are encouraged for all projects.

² Salaries are **only** eligible as a grant expense for Law Enforcement projects.

WEST COAST INLAND NAVIGATION DISTRICT
WCIND WATERWAY DEVELOPMENT PROGRAM
APPLICATION FORM

PROJECT NUMBER: _____
(W.C.I.N.D.)
DATE: _____
FY 2002/2003

(FISCAL YEAR)

1. APPLICANT: Lee County
2. TYPE OF PROJECT: navigation
3. PROJECT TITLE: Navigation Improvements FY03
PROJECT LOCATION: Lee County

PROJECT DESCRIPTION AND PUBLIC BENEFIT TO RESULT: Countywide projects to improve navigation conditions

4. TYPE AND STATUS OF REQUIRED PERMITS, EASEMENTS OR LEASES:
TYPE: _____ STATUS: _____

5. ESTIMATED COMPLETION DATE: September 30, 2003

6. REQUIRED ATTACHMENTS:
A. VICINITY MAP
B. SITE DEVELOPMENT PLAN
C. PROJECTED COMPLETION DATE

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 440000 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

11. ESTIMATED TOTAL PROJECT COST: 440000 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer, Biologist

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

OR:

APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
(NAME OF DEPARTMENT)

ADDRESS: Lee County Natural Resources

P.O. Box 398

Ft. Myers, Florida 33902

TELEPHONE NO.: (941) 479-8133

13. SIGNATURE: 

DATE: May 15, 2002

WEST COAST INLAND NAVIGATION DISTRICT

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM

PROJECT NUMBER:

(W.C.I.N.D.)

DATE:

FY 2002/2003

(FISCAL YEAR)

1. APPLICANT: Lee County

2. TYPE OF PROJECT: navigation

3. PROJECT TITLE: GPS Tracking

PROJECT LOCATION: Lee County

PROJECT DESCRIPTION AND PUBLIC BENEFIT TO RESULT: GPS Placer units in Law Enforcement vessels to determine enforcement coverage.

4. TYPE AND STATUS OF REQUIRED PERMITS, EASEMENTS OR LEASES:

TYPE:

STATUS:

5. ESTIMATED COMPLETION DATE: September 30, 2003

6. REQUIRED ATTACHMENTS:

A. VICINITY MAP

B. SITE DEVELOPMENT PLAN

C. PROJECTED COMPLETION DATE

FORM #1, Effective Date 11-11-90 .

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 50000 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

11. ESTIMATED TOTAL PROJECT COST: 50000 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer, Biologist

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

OR:

APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
(NAME OF DEPARTMENT)

ADDRESS: Lee County Natural Resources

P.O. Box 398

Ft. Myers, Florida 33902

TELEPHONE NO.: (941) 479-8132

13. SIGNATURE: 

DATE: May 15, 2002

LAW ENFORCEMENT - GIS ENABLE
Project Statement
Lee County, Florida

NEED: The West Indian Manatee (*Trichechus manatus*) is a federally protected species under both the Endangered Species Act and the Marine Mammal Protection Act. The largest identified cause of manatee death is collisions with watercraft. Lee County, Florida has one of the highest manatee populations in South Florida. It is estimated that Lee County may be home to 38% of the entire manatee population (Reynolds and Wilcox, 1985, 1994). Lee County also has the second highest manatee mortality rate of all the counties in the state of Florida. (FWS, 2000) The settlement agreement filed January 4, 2001 between the Save the Manatee Club, Et al, and The US Fish and Wildlife Service and the US Army Corps of Engineers outlines an interim strategy for manatee recovery. The main goal of this strategy is to decrease incidental take of manatees through watercraft collisions by increasing on the water law enforcement presence and step-up enforcement of manatee zones. This proposed project is designed to supply Placer GPS hardware and software to be used on law enforcement vessels operating in Lee County to quantify and evaluate current enforcement efforts. Law Enforcement effort is one of the three points identified in the settlement agreement as being a major factors in determining which Florida waters may have 'areas of inadequate protection'. The US Fish and Wildlife Service uses 1) Law Enforcement Effort, 2) Manatee Zone Placement and Coverage 3) Manatee Zone Signage to evaluate Florida waters and the protection of the West Indian Manatee. The only aspect of these three points which is NOT currently quantifiable and graphically represented is the Law Enforcement Effort. The quantifying the Lee County Law Enforcement effort, Lee County DNR staff will be able to evaluate all three points in relation to the other as well as against FFWCC manatee tracking data and mortality data.

OBJECTIVE: Funds allocated for the Project will be used for purchase and installation of Placer GPS units and necessary associated software. These units are to be placed (with full agency approval) on as many law enforcement vessels as possible in Lee County. Currently, the Sheriff's department has agreed to cooperate fully in this project. Placer GPS units are mobile positioning and communications systems, which will give Lee County Division of Natural Resources the ability to monitor vessel travel routes, and enforcement coverage throughout the county at designated compilation intervals, with the ability for real-time vessel monitoring as well. Data described above will be collected from the vessels during times of on the water enforcement, post actual patrol time. Obtaining the equipment requested will give Lee County DNR the ability to translate this captured data into GIS coverage in order to display and evaluate data visually. This translation into quantifiable, graphic data allows for ease in evaluating enforcement time alongside currently posted manatee zones as described above. Data collected by using the requested hardware and software will allow for more comprehensive, more valuable, and more applicable evaluation of relationships between officer placement, enforcement efforts, and zone effectiveness than has been previously seen. Equipment purchased under this project will be used for many years, but the initial year's data will be used as

baseline data for evaluating ongoing enforcement efforts. All that is requested under this portion of the project is funding for purchase of the units themselves and the associated software, and installation.

EXPECTED RESULTS OR BENEFITS: The US Fish and Wildlife Service has stated that, "...increased manatee speed zone enforcement...could reduce the incidental take associated with watercraft collisions to an unlikely to occur level." (USFWS Interim Guidance, 12/19/00) The Service also states that an, "...increase in law enforcement would provide added benefits to the manatees..." (USFWS Interim Guidance, 12/19/00). The primary goal of the proposed project is to create baseline data that will allow law enforcement entities and county planners to effectively evaluate enforcement coverage, techniques, and current positioning of manatee speed zones. This will allow Lee County to take a proactive role in reducing the incidental take of the West Indian Manatee due to watercraft collisions in Lee County. Benefits to the West Indian Manatee will be realized through coupling data with reports gathered from the various law enforcement entities through the WCIND grant process. Activity recorded by the GPS Placer units will be coupled with WCIND data that shall include, but not be limited to number of manatees sighted, number of manatee zone warnings given, number of manatee zone citations given, and patrol areas. Data collected from these units will be used to evaluate existing on the water enforcement in relation to the manatee zones as described above. Study and evaluation of the data collected will allow Lee County to determine the potential for more effective distribution of law enforcement efforts, effectiveness of additional marine officers, and improved placement of manatee speed zones in efforts to reduce incidental take of manatees. The ultimate goal of the project is to reduce the incidental take of manatees in Lee County through the ability to make better informed enforcement decisions regarding manatee zone enforcement and zone placement.

APPROACH: With full cooperation of local law enforcement entities, placer GPS units will be installed on each patrol vessel. Associated software shall be installed on a 'home base' computer held and operated by Lee County Division of Natural Resources. Each vessel's Placer GPS unit will be programmed to send a signals back to the 'home base' computer, marking its location at predetermined intervals. Information from the signals sent by the various enforcement vessels will be compiled into a grid system, displaying amount of coverage over a period of time. Using this data, a correlation between enforcement and incidental take will be examined to evaluate the theory that increased manatee speed zone enforcement will reduce the incidental take associated with watercraft collisions. Data will be compiled and evaluated on a monthly basis and the Lee County Division of Natural Resources shall make a year-end report of findings available to all interested parties. The data collected will be used as a baseline for evaluation of data to be collected in future years.

Lee County Division of Natural Resources will be supplying the cost of administering and staffing the non-law enforcement aspects of the program in-kind. Lee County will provide operation and maintenance costs of the vessel provided under the grant in-kind.

LOCATION: Manatees inhabit bays, estuaries, rivers, and coastal areas where seagrasses and other vegetation are common (Reynolds and Odell 1991). Lee County contains all of these habitat types in abundance and Lee County's high manatee population is a well-documented fact. Critical manatee habitat requirements include fresh water, warm water in the winter months, and abundant sea-grasses for food (Reynold et al. 1992). An abundance of all three of these requirements are what make Lee County waters such excellent habitat for manatees. Freshwater sources in Lee County include many large creeks and rivers. Natural sources of freshwater in the county include, but are not limited to: the Caloosahatchee River, Orange River, Estero River, Spring Creek and Trout Creek. There are several warm water sources within the county, both natural and man-made, which manatees utilize as refuges during the winter months to great extent. These include the Florida Power and Light plant on the Caloosahatchee and Orange Rivers, Matlacha Isles area, Deep Lagoon, Cape Coral Canals, and the Franklin Locks. Submerged aquatic vegetation, which is the primary food source for manatees, is also abundant in Lee County, specifically in Matlacha Pass, Estero Bay, San Carlos Bay, and Pine Island Sound. All work for the proposed project shall be performed in Lee County, Florida. Extent of project within the county shall be all navigable waterways of Lee County. This includes, but is not limited to Estero Bay, the Caloosahatchee River, Matlacha Pass, San Carlos Bay, Pine Island Sound and portions of Charlotte Harbor.

ESTIMATED COST:

Item #	Description	Cost	Number	Total Cost
1	Marine Grade data cables for Trimble® Placer GPS Model 450 (2)	\$90.00	12	\$1,080.00
2	Marine Grade Radio Frequency Modem for Placer GPS	\$2,800.00	12	\$33,600.00
3	Trimble® Placer GPS Software	\$1,495.00	1	\$1,495.00
4	Installation of Trimble® Placer GPS Model 450 and supply of Marine Grade Antennas (2)	\$24,763.06	1 job	\$12,500.00
5	Dedicated Server	\$7,000.00	1	\$7,000

Total Cost = \$55,675.00

WEST COAST INLAND NAVIGATION DISTRICT

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM

PROJECT NUMBER:

(W.C.I.N.D.)

DATE:

FY 2002/2003

(FISCAL YEAR)

1. APPLICANT: Lee County

2. TYPE OF PROJECT: Navigation

3. PROJECT TITLE: Ft. Myers Power Squadron-ICW Depth monitoring

PROJECT LOCATION: Lee County

PROJECT DESCRIPTION AND PUBLIC BENEFIT TO RESULT: Purchase laptop computer, use to monitor depth of Intracoastal Waterway.

4. TYPE AND STATUS OF REQUIRED PERMITS, EASEMENTS OR LEASES:

TYPE:

STATUS:

5. ESTIMATED COMPLETION DATE: September 30, 2003

6. REQUIRED ATTACHMENTS:

A. VICINITY MAP

B. SITE DEVELOPMENT PLAN

C. PROJECTED COMPLETION DATE

FORM #1, Effective Date 11-11-90 .

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 1000 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

11. ESTIMATED TOTAL PROJECT COST: 1000 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer, Biologist

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

OR:

APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
(NAME OF DEPARTMENT)

ADDRESS: Lee County Natural Resources

P.O. Box 398

Ft. Myers, Florida 33902

TELEPHONE NO.: (941) 479-8133

13. SIGNATURE: 

DATE: May 15, 2002

WEST COAST INLAND NAVIGATION DISTRICT

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM

PROJECT NUMBER:

(W.C.I.N.D.)

DATE:

FY 2002/2003

(FISCAL YEAR)

1. APPLICANT: Lee County

2. TYPE OF PROJECT: Navigation

3. PROJECT TITLE: San.-Cap. Power Squadron-ICW Depth Monitoring

PROJECT LOCATION: Lee County

PROJECT DESCRIPTION AND PUBLIC BENEFIT TO RESULT: Purchase 2
laptop computers to monitor depth of Intracoastal Waterway.

4. TYPE AND STATUS OF REQUIRED PERMITS, EASEMENTS OR LEASES:

TYPE:

STATUS:

5. ESTIMATED COMPLETION DATE: September 30, 2003

6. REQUIRED ATTACHMENTS:

A. VICINITY MAP

B. SITE DEVELOPMENT PLAN

C. PROJECTED COMPLETION DATE

FORM #1, Effective Date 11-11-90 .

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 4140 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

11. ESTIMATED TOTAL PROJECT COST: 4140 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

OR:

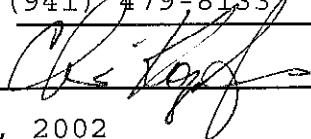
APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
(NAME OF DEPARTMENT)

ADDRESS: Lee County Natural Resources

P.O. Box 398

Ft. Myers, Florida 33902

TELEPHONE NO.: (941) 479-8133

13. SIGNATURE: 

DATE: May 15, 2002

WEST COAST INLAND NAVIGATION DISTRICT

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM

PROJECT NUMBER:

(W.C.I.N.D.)

DATE:

FY 2002/2003

(FISCAL YEAR)

1. APPLICANT: Lee County

2. TYPE OF PROJECT: Environmental Education

3. PROJECT TITLE: Cape Coral-boat ramp signage

PROJECT LOCATION: Lee County

PROJECT DESCRIPTION AND PUBLIC BENEFIT TO RESULT: Place educational signage at City boat ramps.

4. TYPE AND STATUS OF REQUIRED PERMITS, EASEMENTS OR LEASES:

TYPE:

STATUS:

5. ESTIMATED COMPLETION DATE: September 30, 2003

6. REQUIRED ATTACHMENTS:

A. VICINITY MAP

B. SITE DEVELOPMENT PLAN

C. PROJECTED COMPLETION DATE

FORM #1, Effective Date 11-11-90 .

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 5500 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

11. ESTIMATED TOTAL PROJECT COST: 5500 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

OR:

APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
(NAME OF DEPARTMENT)

ADDRESS: Lee County Natural Resources

P.O. Box 398

Ft. Myers, Florida 33902

TELEPHONE NO.: (941) 479-8133

13. SIGNATURE: 

DATE: May 15, 2002

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 41100 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

11. ESTIMATED TOTAL PROJECT COST: 41100 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer, Biologist

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

OR:

APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
(NAME OF DEPARTMENT)

ADDRESS: Lee County Natural Resources

P.O. Box 398

Ft. Myers, Florida 33902

TELEPHONE NO.: (941) 479-8133

13. SIGNATURE: 

DATE: May 15, 2002

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 8374 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

11. ESTIMATED TOTAL PROJECT COST: 8374 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer, Biologist

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

OR:

APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
(NAME OF DEPARTMENT)

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Ft. Myers, Florida 33902

TELEPHONE NO.: (941) 479-8173

13. SIGNATURE: 

DATE: May 15, 2002

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 3652 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

11. ESTIMATED TOTAL PROJECT COST: 3652 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer, Biologist

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

OR:

APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
(NAME OF DEPARTMENT)

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Ft. Myers, Florida 33902

TELEPHONE NO.: (941) 479-8133

13. SIGNATURE: 

DATE: May 15, 2002

WEST COAST INLAND NAVIGATION DISTRICT

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM

PROJECT NUMBER:

(W.C.I.N.D.)

DATE:

FY 2002/2003

(FISCAL YEAR)

1. APPLICANT: Lee County

2. TYPE OF PROJECT: recreation

3. PROJECT TITLE: Edison Sailing Center-SAIL on

PROJECT LOCATION: Lee County

PROJECT DESCRIPTION AND PUBLIC BENEFIT TO RESULT: purchase 6 sailing vessels and equip.for use in boating education classes.

4. TYPE AND STATUS OF REQUIRED PERMITS, EASEMENTS OR LEASES:

TYPE:

STATUS:

5. ESTIMATED COMPLETION DATE: September 30, 2003

6. REQUIRED ATTACHMENTS:

A. VICINITY MAP

B. SITE DEVELOPMENT PLAN

C. PROJECTED COMPLETION DATE

FORM #1, Effective Date 11-11-90 .

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 16440 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

Royal Palm donations

11. ESTIMATED TOTAL PROJECT COST: 16440 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

OR:

APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
(NAME OF DEPARTMENT)

ADDRESS: Lee County Natural Resources

P.O. Box 398

Ft. Myers, Florida 33902

TELEPHONE NO.: (941) 479-8133

13. SIGNATURE: 

DATE: May 15, 2002

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 3250 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

Royal Palm donations

11. ESTIMATED TOTAL PROJECT COST: 3250 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

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APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
(NAME OF DEPARTMENT)

ADDRESS: Lee County Natural Resources

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TELEPHONE NO.: (941) 479-8133

13. SIGNATURE: 

DATE: May 15, 2002

WEST COAST INLAND NAVIGATION DISTRICT

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM

PROJECT NUMBER: _____
(W.C.I.N.D.)
DATE: _____
FY 2002/2003
(FISCAL YEAR)

1. APPLICANT: Lee County _____

2. TYPE OF PROJECT: environmental education _____

3. PROJECT TITLE: Turtle Time _____

PROJECT LOCATION: Lee County _____

PROJECT DESCRIPTION AND PUBLIC BENEFIT TO RESULT: purchase of
Kawasaki Mule off-road vehicle.

4. TYPE AND STATUS OF REQUIRED PERMITS, EASEMENTS OR LEASES:

TYPE: _____ STATUS: _____

5. ESTIMATED COMPLETION DATE: _____ September 30, 2003 _____

- 6. REQUIRED ATTACHMENTS:
 - A. VICINITY MAP
 - B. SITE DEVELOPMENT PLAN
 - C. PROJECTED COMPLETION DATE

FORM #1, Effective Date 11-11-90 .

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 5425 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

11. ESTIMATED TOTAL PROJECT COST: 5425 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

OR:

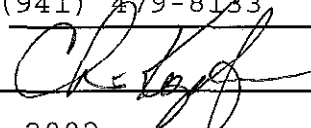
APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
(NAME OF DEPARTMENT)

ADDRESS: Lee County Natural Resources

P.O. Box 398

Ft. Myers, Florida 33902

TELEPHONE NO.: (941) 479-8133

13. SIGNATURE: 

DATE: May 15, 2002

WCIND WATERWAY DEVELOPMENT PROGRAM

APPLICATION FORM- CONTINUED

9. WCIND FUNDS REQUESTED: 202500 DOLLARS

10. LIST AMOUNT (S) AND SOURCE (S) OF OTHER PROJECT FUNDS.
ATTACH SEPARATE SHEET CLEARLY IDENTIFYING AND ENUMERATING THE
AMOUNT AND SOURCE OF ALL MATCHING FUNDS. ACCORDING TO SECTION
374.976 FS AND RULE 66A-2, F.A.C., MATCHING FUNDS ARE REQUIRED
EXCEPT FOR CERTAIN EXCEPTED PROJECTS.

11. ESTIMATED TOTAL PROJECT COST: 202500 DOLLARS

12. APPLICANT IDENTIFICATION: Natural Resources Division

APPLICANT COUNTY: Lee County

LOCATED IN CITY OF: _____ (IF APPLICABLE)

LIAISON AGENT: Chris Koepfer, Biologist

APPOINTED REPRESENTATIVE OF: Lee COUNTY, BOARD OF
(NAME OF COUNTY) COUNTY COMMISSIONERS

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APPOINTED REPRESENTATIVE OF: _____ STATE OF FLORIDA
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DATE: May 15, 2002