

City of Sanibel, Florida
Natural Resources Department Narrative

Department: Natural Resources
Fund: General Fund

Mission Statement: To coordinate, manage and implement special conservation and environmental projects and tasks as directed by City Council, to ensure that the City's native vegetation and wildlife habitat protection standards are adhered to and to oversee exotic plant control and habitat restoration and land management programs for the City. To monitor the island's water quality and actively participate in improving water quality of the surrounding waters by addressing nutrient run-off, algae blooms and negative affects of Lake Okeechobee discharges into the Caloosahatchee River.

Challenges Facing the Department:

The greatest current challenge the islands natural systems face continues to be water quality and algae blooms. The Natural Resources Department must balance the need for extensive work on this issue with continuing the normal operation of the Department. All three staff members are very actively involved in the effort to reduce the long-term threats of nutrient pollution and excessive releases of polluted freshwater and sediments from Lake Okeechobee and the Caloosahatchee River Basin. Specific efforts staff is directly involved with include improving the Lake Okeechobee Regulation Schedule, monitoring the proposed purchase by the State of U.S. Sugar lands, working with numerous stakeholders on the Northern Everglades and Caloosahatchee Watershed Interagency Teams, Everglades, Lake Okeechobee, Caloosahatchee River and Kissimmee River basin restoration, water storage and nutrient removal projects, algae monitoring and research, baseline and event response water quality data collection and analysis, health related bacteria sampling, fertilizer regulation, stormwater treatment, Florida Department of Environmental Protection Total Maximum Daily Loads (TMDL) establishment programs for both the Caloosahatchee basin and Charlotte Harbor Estuary, public education and advocacy, etc. These efforts involve numerous interagency meetings, phone conferences, scientific research and considerable time. An estimated 60% of the Natural Resources Director's time is spent involved with multiple aspects of this complex threat.

2008-2009 Goals:

2008-2009 Goals and Objectives	Measurement Criteria	Status
Make every effort to find and begin	Achieve milestones in working to	Numerous mil

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implementation of both short and long-term solutions to local water quality and algae problems.	reduce nutrient loads to the estuaries from all possible sources	achieved inclu success in mo Corps' release Okeechobee, i
Complete the Dixie Beach Blvd. Mangrove Restoration Project.	Complete installation of culverts, bank stabilization and mitigation	Project comple successful res mangrove fore
Complete the post-hurricane native vegetation plantings at Bowman's Beach, Gulfside and Lighthouse Parks and Periwinkle Way Corridor utilizing @\$1.1 million in grants secured by DNR working with the City Manager.	Completion of plant installation and at least 85% survivorship of plantings for 1 year.	Project comple survivorship cr Project consid successful.
Continue the success of the Island-wide Brazilian Pepper Eradication Program by making substantial progress in zones 4 and 5 and compliance in Zones 3 and 4.	Completion of bulk of compliance work in zone 3 in coordination with the Planning Department. Prepare zone 5 for bringing to City Council for mandatory status in 2009.	Compliance w zone 3 95% cc Zone 5 on sch be considered Council for ma status in Fall, ;

Operational Responsibilities:

Manages conservation projects; reviews development plans as they relate to conservation, wildlife and vegetation standards; applies for and manages environmental restoration grants and State and Federal environmental permits; coordinates conservation efforts with private, local, state, and federal organizations; handles exotic plant management efforts for the City including the Brazilian Pepper and Melaleuca Eradication Programs; performs biological field inspections and provides environmental information by request; implements a variety of existing programs including the Island Fire-wise Task Force, marine research including marine algae studies, water quality sampling, Island-wide Beach Management Plan, sea turtle protection, etc. Informs Council of issues regarding water quality and participates in intergovernmental forums to address water quality issues and algae blooms affecting Sanibel.

Natural Resources Department Director: The department is composed of three staff members including the Director, the Environmental Health and Water Quality Specialist and the Environmental Specialist. The Director of Natural Resources manages the City's environmental programs including handling public inquiries and inspections regarding environmental issues; manages conservation projects including planning, securing funding and permits, supervision of contractors; reviews development plans as they relate to conservation, wildlife

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and vegetation and makes recommendations to the City Manager, City Council, the Planning Commission and other City departments; performs field inspections for development and prepares reports on impacts to environmental resources and evaluates consistency with the Sanibel Plan; applies for and manages state and federal environmental restoration grants for acquisition and restoration of environmentally sensitive lands; manages and maintains environmentally sensitive lands; oversees the City's noxious plant control program; implements and manages the City's tree and shrub planting program, including post-hurricane tree planting grants; coordinates compliance and enforcement of the City's beach lighting ordinances relating to sea turtle protection and; evaluates and monitors water quality on and around Sanibel and updates the City Manager and City Council regarding environmental issues affecting the island.

Environmental Health and Water Quality Specialist: Responsible for managing issues regarding water quality and algae blooms on and around the island. Develops content for City-wide education programs targeting marine water quality problems; reviews and makes recommendations pertaining to City development and construction to verify compliance with all environmental protection laws and regulations; implements programs to protect and restore the City's natural resources and enforces all applicable City, State and Federal environmental and wildlife conservation laws.

Essential Duties and Responsibilities: Collects and analyzes water quality data identifying specific water quality and quantity problems and issues, and works with local advisory committees, decision-makers and citizens to develop recommendations, solutions and actions to resolve them; participates in meetings and hearings to discuss water quality and quantity problems and provides technical information and current research findings; develops, implements and evaluates educational programs and materials in response to the local water quality and quantity issues in the San Carlos Bay Estuary, with emphasis on sea grasses, fish and shoreline and near shore issues; assists marine user groups, resource managers, marine industries, other marine organizations and citizens in the development and implementation of workshops on specific water quality issues; develops and assists in the planning of marine demonstration/research projects; prepares educational publications for the City's website and water quality newsletters, reports and other materials; provides information to news media; performs field inspections and monitors development permits to ensure compliance with the Comprehensive Land Use Plan and the Land Development Code; plans, manages and coordinates conservation projects for City parks including securing funding and permitting, supervising contractors, reviewing development permit conditions and other agreements and participating in manual labor; reviews development plans to ensure compliances with wildlife and vegetation conservation standards and regulations; assists in the administration, coordination and monitoring of the City's noxious plant control

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efforts; prepares vegetation and wildlife plans, and mitigation plans for conservation projects; plans, coordinates, monitors and reviews conservation projects with other City departments, various governmental agencies, outside private and public agencies and consultants, private developers, owners and contractors; assists with environmental management and maintenance of City-owned conservation lands, conservation easements and habitat maintenance; assists with the preparation of environmental protection and code enforcement cases, and presents testimony to the Code Enforcement Hearing Examiner and other judicial bodies as needed; assists with grant preparation, application, and planning for various natural resource protection and restoration projects; conducts prescribed burns on conservation lands for wildlife habitat management.

Environmental Specialist: Administers the implementation of the Sanibel Beach Management Plan which requires close coordination with other City departments and extensive cooperative interaction with coastal residents and property owners. Reviews developmental plans and conducts field inspections as related to environmental standards and requirements to ensure compliance with City codes. Oversees the City's Brazilian Pepper Eradication Program and coordinates educational programs pertaining to the removal of noxious plant species. Participates in grant writing, permitting, acquisition, and restoration of City owned conservation lands.

Essential Duties and Responsibilities: Environmental management and maintenance of City parks and environmentally sensitive lands, conservation easements, and development permit conditions and other agreements dealing with habitat maintenance. Responsible for inspecting beach front properties, mapping the extent of coastal dunes, and coordinating with property owners on dune restoration projects; manages conservation projects at City-managed parks including planning, securing funding and permits, hands-on field work and supervision of contractors; researches and prepares reports and recommendations regarding implementation of the Beach Management Plan; presents public reports and testimony at Planning Commission and City Council hearings regarding environmental issues; reviews development plans as they relate to conservation, wildlife and vegetation standards and requirements of the City; performs field inspections and monitors development permits to check completion and compliance with environmentally oriented Comprehensive Land Use Plan standards, Land Development Code requirements and development permit conditions; coordinates, monitors and reviews conservation and environmental projects with other City departments, other governmental bodies, outside individuals and agencies including City consultants, private developers, owners and contractors; assists in the environmental management and maintenance of City-owned conservation lands, conservation easements,

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development permit conditions and other agreements, including habitat maintenance; assists in the administration, coordination and monitoring of the City's noxious plant control efforts, including some actual labor in removing noxious plants as necessary; assists in liaison duties with City and island conservation committees; performs public information and education tasks and assignments, including public speaking, brochure preparation and meetings with property owners; prepares vegetation and wildlife plans and mitigation plans for conservation related projects; assists with the preparation of cases for presentation to the Code Enforcement Hearing Examiner and other judicial bodies relating to violations of wildlife, vegetation and other environmental standards, and testifies before these bodies as required; applies for and manages local, state and federal beach and park related environmental restoration grants and handles all grant management for such funds including project design, bidding, implementation and contractor oversight.

**Grants Secured by the Natural Resources Department
for the City of Sanibel**

Total # of Grants: 108

Total Grant Funds Secured: \$ 11,910,054.00

<u>PROJECT</u>	<u>GRANTING AGENCY</u>	<u>YEAR</u>	<u>GRANT AMOUNT</u>
Bowman's Beach Dune Plantings	National Oceanographic and Atmospheric Agency	2009	18,994
Exotic Plant Control Herbicides	Florida Division of Invasive Species Management	2009	7,440
Periwinkle Way Corridor Tree Watering	Sanibel Beautification Committee	2009	8,000
Island-wide Exotic Lizard Control Program	USFWS Reprogramming Funds	2008	20,000
Sanibel Beaches Erosion Monitoring	Lee County Tourist Development Council	2008	40,000#
Sanibel River Water Quality Restoration	South Florida Water Management District	2008	55,000
Water Quality Monitoring	Lee County Tourist Development Council	2008	35,000
City Beach Parks Plantings and Environmental Maint.	Lee County Tourist Development Council	2008	80,000#
Sanibel Interior Waters Water Monitoring and	South Florida Water Management District	2008	45,000

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Planning			
Island-wide Beach Access Improvements	Lee County Tourist Development Council	2008	21,000
SCCF Real Time Water Quality Sampling System-Recon	Lee County Tourist Development Council	2008	74,000
Sea Oats Preserve Restoration	South Florida Water Management District	2008	21,800
Sea Oats Preserve Restoration	USFWS Partners for Wildlife	2008	25,000
Exotic Plant Control Project on Federal Lands	USFWS Reprogramming Funds	2008	65,000
City Brazilian Pepper Program Reimbursement	USFWS South Florida Coastal Ecosystem Grant Program	2008	40,000@
Refuge Exotic Plant Removal	Florida Division of Invasive Species Management	2008	110,000
Beach Drift Algae Research Project	Lee County, West Coast Inland Navigation District, Lee County Tourist Development Council	2007	576,810*
City Beach Access Plantings	Lee County Tourist Development Council	2007	21,000
Water Quality Monitoring	Lee County Tourist Development Council	2007	35,000
Water Quality Monitoring Fixed Stations	Lee County Tourist Development Council	2007	74,830
Sanibel Beaches Erosion Monitoring	Lee County Tourist Development Council	2007	40,000#
Dixie Beach Mangrove Restoration	USFWS Reprogramming Funds	2006	100,000
Water Quality Monitoring	Lee County Tourist Development Council	2006	35,000
Beach Park Dune Plantings	Lee County Tourist Development Council	2006	40,000
Dixie Beach Mangrove Restoration	South Florida Water Mgmt. District	2006	75,000
Lighthouse Park Restoration	USFWS South Florida Ecosystem Restoration Program	2005	40,000
Periwinkle Way Canopy Restoration	Florida Division of Forestry	2005	375,000
Environmental	U.S. Fish and Wildlife Service	2005	470,000

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Restoration- multiple sites			
Bowman's Beach Restoration	South Florida Water Management District	2005	100,000
West Sanibel River Restoration	South Florida Water Management District	2005	100,000@
Management of Sanibel Gardens	FDEP Invasive Species Management Program	2005	21,120
Australian Pine Removal	FDEP Invasive Species Management Program	2005	80,000
Clam Bayou Restoration	National Fish and Wildlife Foundation	2005	100,000
Bowman's Beach Restoration	USFWS Partners for Wildlife Program	2005	25,000
Bowman's Beach Restoration	Florida State Wildlife Grant Program	2005	200,000
Beach Park Restoration	Lee County Tourist Development Council	2005	400,000*
Water Quality Monitoring	Lee County Tourist Development Council	2005	20,000
Erosion Monitoring	Lee County Tourist Development Council	2005	25,000#
West Sanibel River Restoration	South Florida Water Management District	2005	200,000@
Bowman's Beach Restoration	USFWS Partners for Wildlife Program	2004	25,000
Clam Bayou Restoration	South Florida Water Management District	2004	125,000
Clam Bayou Restoration	National Oceanic and Atmospheric Agency	2004	100,000
Clam Bayou Restoration	USFWS Challenge Cost-Share Program	2004	75,000
Clam Bayou Restoration	USFWS Coastal Ecosystem Restoration Program	2004	25,000
Clam Bayou Restoration	Gulf of Mexico Foundation	2004	50,000
Bowman's Beach Restoration	FDEP Invasive Species Management Program	2004	\$ 131,200
Waterway Debris Removal	USDA National Resource Conservation Service	2004	1,380,000
Exotic Tree Removal	Lee County Tourist Development Council	2004	95,000

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Beach Park Landscaping	Lee County Tourist Development Council	2004	45,000
Water Quality Monitoring	Lee County Tourist Development Council	2004	20,000
Fireline Maintenance	U.S. Fish and Wildlife Service	2003	53,000
Sanibel Gardens Revegetation	USFWS Partners for Wildlife Program	2003	20,000
Beach Park Landscaping	Lee County Tourist Development Council	2003	60,000
Exotic Tree Removal	Lee County Tourist Development Council	2003	125,000
Erosion Monitoring	Lee County Tourist Development Council	2003	35,000#
Causeway Tract Restoration	USFWS Challenge Cost-Share Program	2003	20,000
Sanibel Gardens Restoration	Florida Recreation and Devel. Assist. Program	2002	150,000
Sanibel Gardens Restoration	North American Wetlands Conservation Agency	2002	40,000
Sanibel Gardens Restoration	USFWS Partners for Wildlife Program	2002	20,000
Pond Apple Park Acquisition	Florida Communities Trust Program	2002	2,122,800
Exotic Tree Removal	Lee County Tourist Development Council	2002	125,000
Beach Park Landscaping	Lee County Tourist Development Council	2002	40,000
Erosion Monitoring	Lee County Tourist Development Council	2002	\$ 35,000#
Sanibel Gardens Restoration	National Fish and Wildlife Foundation	2001	100,000
Refuge Brazilian Pepper Removal	FDEP Invasive Species Management Program	2001	85,296
Paulsen/Johnston Tracts Restoration	USFWS Challenge Cost-Share Program	2001	40,000
Sanibel River Pepper Clearing	USFWS Partners for Wildlife Program	2001	10,000
Exotic Tree Removal	Lee County Tourist Development Council	2001	125,000
Beach Park Landscaping	Lee County Tourist Development Council	2001	40,000
Mound Trail Boardwalk	Lee County Tourist Development Council	2001	70,000

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Refuge Tropical Forest Restoration	USFWS Coastal Ecosystem Restoration Program	2000	44,000
Gulfside Park Restoration	USFWS Partners for Wildlife Program	2000	10,000
Exotic Tree Removal	Lee County Tourist Development Council	2000	45,000
Erosion Monitoring	Lee County Tourist Development Council	2000	35,000
Beach Park Landscaping	Lee County Tourist Development Council	2000	40,000
Gulfside Park Add'n Acquisition	Florida Communities Trust Program	1999	452,000
Blind Pass Dredging	West Coast Inland Navigation District	1999	8,000
Exotic Tree Removal	Lee County Tourist Development Council	1999	45,000
Dune and Beach Restoration	Lee County Tourist Development Council	1999	98,000
Erosion Monitoring	Lee County Tourist Development Council	1999	25,000
Beach Management Plan	Lee County Tourist Development Council	1999	32,000
Paulsen/Johnston Tracts Restoration	FDEP Invasive Species Management Program	1998	44,400
Center Tract Restoration	FDEP Invasive Species Management Program	1998	58,000&
State Botanical Site Restoration	USFWS Challenge Cost-Share Program	1998	20,000
Exotic Tree Removal	Lee County Tourist Development Council	1998	45,000
Gulfside Park Add'n Trail	Lee County Tourist Development Council	1998	21,000
Beach Park Landscaping	Lee County Tourist Development Council	2000	32,000
State Botanical Site Restoration	FDEP Pollution Recovery Trust Fund	1997	153,200
State Botanical Site Restoration	USFWS Partners for Wildlife Program	1997	10,000
Sanibel Gardens Initial Clearing	USFWS Challenge Cost-Share Program	1997	5,000
Exotic Tree Removal	Lee County Tourist Development Council	1997	61,753

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Beach Park Landscaping	Lee County Tourist Development Council	1997	50,000
Beach Renourishment	Lee County Tourist Development Council	1997	52,981!
Erosion Monitoring	Lee County Tourist Development Council	1997	25,000
Bowman's Beach Restoration	Lee County Bowman's Beach Master Plan	1996	518,000+
Beach Park Restoration	Lee County Tourist Development Council	1996	80,000
Beach Park Landscaping	Lee County Tourist Development Council	1996	15,000
Erosion Monitoring	Lee County Tourist Development Council	1996	25,000
Beach Park Landscaping	Lee County Tourist Development Council	1995	45,000
Beach Park Restoration	Lee County Tourist Development Council	1995	45,000
Johnston Preserve Restoration	FDEP Pollution Recovery Trust Fund	1994	79,450
Beach Park Restoration	Lee County Tourist Development Council	1994	42,000
Dune Walkovers at Lighthouse/Gulfside	Lee County Tourist Development Council	1994	12,000
Sanibel Beach Management Plan	Lee County Tourist Development Council	1994	32,000
Beach Park Landscaping	Lee County Tourist Development Council	1994	16,000
Silver Key Acquisition	Florida Communities Trust Program	1993	360,000!
Dune Restoration and Walkovers	Lee County Tourist Development Council	1993	11,000
Bayside Speed Zone Buoys	West Coast Inland Navigation District	1992	10,000

* with Judie Zimomra # with Gates Castle @ with Brad Smith (SCCF)
& with David Ceilley (SCCF) + with Dick Noon (former Parks and Rec Director)
! with Bill Mills (former Assistant City Manager)

Recent Department Accomplishments:

- Completed the Sea Oats Preserve Restoration Project construction which involved securing 100% grant funding from Federal and local sources.

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This project has removed fill from 7 acres of wetlands adjacent to the Sanibel State Botanical Site and returned the elevations and hydroperiod to their historic condition prior to the construction of the Sea Oats package sewage plant.

- Working with Sanibel City Council and other stakeholders on the west coast , effectively influenced the outcome of the Lake Okeechobee Regulatory Release Study (LORRS) that resulted in the adoption by the U.S. Army Corps of Engineers of an improved management plan for water levels in the Lake, overall keeping the Lake at a lower level. In September 2008, direct input by the City via teleconference with Corp's staff enabled substantial improvements in Lake release schedules following passage of Tropical Storm Fay. Staff continues to provide input on current conditions in the local estuary and recommendations on lake management by participation in weekly or bi-weekly Corps teleconferences with other scientists and stakeholders.
- As a part of the Northern Everglades Interagency Team, the City has actively participated in prioritizing water quality and water storage projects north of Lake Okeechobee and establishing best uses for local, state and federal funding to improve water quality and increase water storage. This effort is critical as most of the water and nutrients flowing into Lake Okeechobee originate in the Kissimmee River Basin to the north.
- In 2007-2009, City staff actively participated and provided input into the now finalized Northern Everglades and Estuaries Protection Plan. This protection plan, approved by the South Florida Water Management District Board and awaiting State approval and funding, has three components that are geared towards improving the health of the estuary: 1) watershed construction projects, such as construction of stormwater treatment areas, reservoirs, etc.; 2) a pollutant control program aimed at reducing nutrient inputs; and 3) research and water quality monitoring. Staff participated extensively with both the CRWPP Working Group and the Research and Monitoring Working Group. The City recommended five projects, supported by City Council, that would provide the best "bang for the buck" in terms of water quality and water storage benefits to the Caloosahatchee and the estuary. Three of the five projects recommended by the city were incorporated into the "preferred plan" that was approved by the Governing Board.
- Staff was extensively involved in development of the Caloosahatchee basin Total Maximum Daily Load goals (TMDL) and reviewed and commented on all modeling and other technical documents. The Florida Total Maximum Daily Load (TMDL) Program is a state program required

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by section 303(d) of the Federal Clean Water Act. It requires that states list all waterbodies that do not meet state water quality standards for their designated use as "impaired" and prioritize restoration efforts based on the level of impairment. In December 2008, a TMDL of 3,800 metric tons/yr (approx. 8.4 million lbs/yr) of total nitrogen was proposed for the tidal Caloosahatchee. This load is based on a target that would provide adequate light protective of seagrasses in San Carlos Bay. City staff has been working with DEP to reconfigure watershed boundaries on the island and recently completed uploading all existing water quality data into STORET, the DEP and EPA water quality storage and retrieval system used for assessing waterbodies' compliance with state water quality standards.

- City staff developed and maintains a map of the surface water quality monitoring locations on and around Sanibel. Additionally, staff has recently completed and presented to Council the San Carlos Bay Water Quality Monitoring Status and Trends Report 2002-2008 (a summary of the last 6 years of CHNEP data) and provided an update to Council on the status of the Sanibel River.
- Natural Resources staff worked with a multi-agency team to develop a Request for Proposals / Request for Qualifications (RFQ/RFP) for research on drift algae blooms in the waters of Lee County and Sanibel. A team of scientists headed up by FGCU was awarded the contract. The project is funded in equal parts by the Lee County BOCC, Lee County TDC, WCIND and the City. Work began in June 2008.
- Completed Fertilizer Ordinance Education Program including Fertilizer Applicator Contractor Certification, outreach efforts and active compliance and enforcement inspections during 2008.
- Completed the Periwinkle Way, Bowman's Beach, Lighthouse, and Gulfside Parks grant funded post-hurricane restoration projects in 2008.
- Constructed Pond Apple Park trails and amenities and opened the park to the public in June 2008.
- Completed Bowman's Beach grant funded recreational facilities including nature/fitness trails, improvements to canoe launch, picnic shelter and playground in November 2007.

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- Completed the Clam Bayou Restoration Project: Tidally connected Clam Bayou through a culverted channel to Dinkins Bayou, restoring flow to the 470 acre estuary, improving water quality, restoring seagrass beds, over 150 acres of mangroves, oyster bars, and fisheries in 2006. We continue to monitor the health and changes within the bayou following restoration. A total of \$475,000 in grants was applied for and received to match city funds for the project.
- Obtained permit for the State Botanical site to install culverts for firelines and ditch blocks to retain water within the interior freshwater wetlands. Work Completed May 2007.
- Applied for and obtained a 40k grant from the U.S. Fish and Wildlife Service to restore various wildlife habitats at Lighthouse Beach Park following damage by Hurricane Charley. Restoration completed July 2006.
- Completed seven years of sampling with the Charlotte Harbor National Estuary Program's Water Quality Monitoring Network. Completed incident specific water quality and bacterial sampling in response to massive algae deposits on Sanibel beaches and beach swimming advisories issued by the Lee County Health Department due to bacteria levels. All data currently being uploaded to the State's Storet water quality database.
- Continued implementation of the Brazilian Pepper Eradication Program with surveys in zone 4 and initial surveys of zone 5. Zone three in final phase of Code Enforcement.
- Continued beachfront lighting and beach furniture island-wide compliance project.
- Attended and provided input at numerous meetings, workshops, and presentations regarding the Lake Okeechobee releases and their impact to the estuary e.g. LOWRAC, SFWMD Governing Board, TMDL, Northern Everglades, CHNEP Technical Advisory Committee etc., James Evans was appointed to the Southwest Florida Watershed Council board, Rob Loflin was appointed to the LORRS working group.
- Worked on development and updating of the City's "H2O Matters" website and publication of water quality and fertilizer newsletters, brochures, press releases, and DVDs.
- Reviewed and drafted numerous letters and documents regarding the Lake Okeechobee releases and proposed solutions.

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- Participated in numerous interagency meetings and working groups including the following:
 - South Florida Water Management District (SFWMD) Lake Okeechobee Water Resources Advisory Committee (LORAC)
 - SFWMD Water Resources Advisory Committee
 - SFWMD River of Grass Planning Phase I meetings
 - Caloosahatchee - St. Lucie River's Corridor Advisory Committee
 - Southwest Florida Watershed Council –as Board member-Board meetings, Natural Resources Committee, and regular meetings
 - South Florida Water Management District Governing Board
 - Florida DEP Total Maximum Daily Loads (TMDL) Program meetings for Group 2 (Charlotte Harbor) and Group 3 (Caloosahatchee)
 - Visitor and Convention Bureau Sponsored Interagency Caloosahatchee Watershed Basin Working Group
 - DEP Designated Uses and Classification Refinement Policy Advisory Committee
 - Southwest Florida Feasibility Study Water Quality Sub-team
 - SFWMD Caloosahatchee Partners for Restoration
 - Sanibel Algae Management Task Force
 - Lee County Coastal Advisory Committee – as member
 - Charlotte Harbor National Estuarine Program Technical Advisory Committee
 - Senator Burt Saunders Environmental Summit
 - University of Florida/Lee County Extension Fertilizer Evaluation Forum
 - Florida Department of Health Harmful Algal Bloom Symposia
 - START (Solutions to Avoid Red Tide)--and other red tide related meetings, workshops and presentations
 - Scientific Review Panel and Lower West Coast Watersheds Subcommittee Regarding SWFL Regional Planning Council Fertilizer Resolution
 - Lee County Division of Public Works Algal Turf Scrubbers Seminar
 - University of Florida IFAS Best Management Practices for Lawns and Landscapes
 - Florida Consumer Fertilizer Task Force Meetings—and document review
 - Lee County EROC and Division of Natural Resources Meetings and Panel Discussions concerning the Proposed Professional Landscape and Fertilizer Management Practices Ordinance

Potential Revenue Sources:

Department staff has applied for and received over \$11.79 million in grants to fund needed environmental and hurricane recovery projects since its inception in 1992. The Department will continue to apply for grants from numerous sources to improve, research, and monitor water quality as well as to secure funding for other types of environmental enhancement projects such as the Dixie Beach

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Road Mangrove Restoration Project, filter marshes, algae research and conservation lands wildlife habitat management.

2009-2010 Goals:

2009-2010 Goals and Objectives	Measurement Criteria
<p>Continue participation in and help steer South Florida Water Management District's River of Grass Planning Project to enable cost effective achievement of needed water storage, water treatment and flow-ways south utilizing existing restoration programs and acquired properties from U.S. Sugar to prevent excessive discharge of polluted freshwater from Lake Okeechobee into the Caloosahatchee River .</p>	<p>Achievement of a consensus planning footprint that includes priorities of the City of Sanibel and that will lead to successfully reducing the frequency, duration and severity of flows from Lake Okeechobee into the Caloosahatchee Estuary as measured at Franklin Locks (S-79) in excess of an average of 2800 cubic feet per second.</p>
<p>Provide productive input and direction to the Department of Environmental Protection's Total Maximum Daily Load (TMDL) Action Plan process, which will begin in July '09 and result in the preparation of a stakeholder driven Basin Management Action Plan (BMAP) for the lower Caloosahatchee Basin.</p>	<p>Make significant progress toward completion of the Caloosahatchee Basin Management Action Plan incorporating significant Sanibel supported cost effective projects and actions designed to reduce nitrogen inputs into the estuary to minimize the potential for algae blooms and exacerbation of red tide from river basin sources.</p>
<p>Increase ongoing efforts at cost containment and budget efficiency making best use of every dollar expended. Efforts now underway include negotiating prices down for contractual work, delaying needed but non-critical land management and maintenance activity, applying for grants to fund already planned projects, conservation of travel, operating and office supplies, and foregoing use of paid consultants whenever possible by completing needed work using in-house and partner resources.</p>	<p>Successfully conserving City funds by utilizing a full range of cost-cutting and efficiency initiatives.</p>

General Fund
Natural Resources Department

	Fiscal Year	Fiscal Year	Fiscal Year 2009			FY10 Adopted
	2007 Actual Expenditures	2008 Actual Expenditures	Adopted Budget	Amended Budget	Estimated Actual	
PERSONAL SERVICES						
Salaries & Wages						
Full-time	231,054	248,781	244,328	244,328	244,328	244,328
Part-time			-	-	-	-
Salary Adjustments			-	-	-	-
Requested positions			-	-	-	-
Overtime			-	-	-	-
RHS/Holiday/Shift						
Diff/Educ.Incentive	7,949	1,721	-	-	5,590	-
FICA Match	17,056	18,737	17,407	17,407	19,119	17,705
Retirement	17,170	34,361	35,242	35,242	35,242	57,417
Cafeteria Benefits	25,720	28,950	29,262	29,262	29,262	31,396
Workers' Comp	5,861	5,357	18,385	16,973	16,973	17,312
Unemployment Comp	-	-	-	-	-	-
SUB-TOTAL	304,809	337,907	344,624	343,212	350,514	368,158
OPERATING EXPENSES						
Professional Serv	107	483	1,000	1,000	235	880
Accounting & Auditing			-	-	-	-
Court Reporting			-	-	-	-
Other Contractual	5,610	78,261	32,000	88,100	88,100	15,000
Investigations	-		-	-	-	-
Travel & Per Diem	10,824	9,947	11,500	11,500	11,500	11,500
Communications	3,422	3,878	2,500	2,500	2,500	2,500
Transportation	725	651	300	300	397	300
Utilities			-	-	-	-
Rentals & Leases	170	66	500	500	200	500
Insurance			-	-	-	-
Repair & Maintenance	165		500	500	200	500
Printing	-	177	500	500	200	500
Promotional Activities	413	588	500	500	-	-
Other Current Charges	1,665	750	2,050	2,050	500	2,050
Office Supplies	1,053	857	1,500	1,500	750	1,500
Operating Supplies	19,603	12,856	11,000	11,000	3,655	11,000
Road Materials & Supplies	-		-	-	-	-
Books, Subscriptions, etc	187	272	650	650	205	600
SUB-TOTAL	43,944	108,786	64,500	120,600	108,442	46,830
CAPITAL OUTLAY						
Land			-	-	-	-
Building			-	-	-	-
Improve Other Than Bldgs			-	-	-	-
Machinery & Equipment	2,146		-	-	-	-
Books (Library)	-	-	-	-	-	-
SUB-TOTAL	2,146	-	-	-	-	-
GRANTS & AIDS						
Grants & Aid	3,500	-	-	-	-	-
SUB-TOTAL	3,500	-	-	-	-	-
DEPARTMENTAL TOTAL	354,399	446,693	409,124	463,812	458,956	414,988
% CHANGE COMPARED TO PREVIOUS YEAR	11.60%	26.04%		3.83%		-10.53%