

Year 2009 Projects

Project Name	Lead Implementer	Project Description	Habitat Type	Acreeage	Linear Miles	Linear Feet
Bessey Creek Stormwater Retrofit	Martin County	Construction of a stormwater treatment area to provide water quality benefits to basin runoff before discharging into Bessey Creek,a tributary of the St.Lucie River. Prior to project implementation, stormwater discharged untreated into Bessey Creek.	Field/Meadow	23	0	0
Blowing Rocks Preserve Hydrologic Restoration	The Nature Conservancy	This multi-year project initially removed invasive plants and rehabilitated wetlands on the Blowing Rocks Preserve site in north Palm Beach County. During the current fiscal year, The Nature Conservancy completed planting native species on the site.	Tidal Wetland	7	0	0
Bosco Site Acquisition	City of Palm Bay	This property was acquired by the City of Palm Bay as part of the Bayfront Redevelopment District. The property was also purchased as an addition Indian River Lagoon Scenic Highway Program.	Mangrove	0.34	0	0
Brazilian Pepper Tree Removal at Harbor Branch	St. Lucie County	Invasive vegetation was removed from the high marsh sites adjacent to the west shoreline of the Indian River Lagoon in St. Lucie County.	Mangrove	13	0	0
Brevard County L-2 Canal	Brevard County	Prior to project implementation, the L-2 Canal had very steep slopes which contributed a large amount of sediment into the M-1 Canal and eventually into the Indian River Lagoon. This project created a swale and installed piping with inlets under the swale.	Other	1.3	0	0
Cove Regional Wet Detention Pond	Canaveral Port Authority	A series of open water stormwater ponds were created. Included in the project is planting the pond shorelines with mangroves and other Florida native vegetation. The project provided treatment to stormwater that was previously discharged untreated to the Banana River.	Pond	20	0	0
Dragline ditch restoration in the Mosquito Lagoon Aquatic Preserve	Volusia County Mosquito Control	In the 1950's and 60's much of the Mosquito Lagoon Aquatic Preserve was dragline ditched for the purpose of mosquito control. The spoil from this ditching was deposited upon the adjacent salt marsh, eliminating salt marsh habitat from both the ditch and spoil area. This project removed the non-salt marsh vegetation from the spoil and placing it in the ditch then grading the spoil material to historic salt marsh elevation. The intended outcome is the reestablishment of as much salt marsh habitat as possible.	Tidal Wetland	78.15	0	0
E-8 Waterway Water Quality Retrofit	City of Port St. Lucie	This project implemented Best Management Practices to enhance water quality and restore native vegetation and habitat in existing water management facilities.	Field/Meadow	2,100	0	0
Exotic Removal and Native Planting at Kingsgate Tract	St Lucie County	Non-native invasive plant removal along the shoreline of the south Indian River Lagoon and adjacent uplands on the barrier island in St. Lucie County.	Forest/Woodland	5	0	0
Harbor Branch Preserve	St. Lucie County	This project acquired 209 acres of oak hammock and high salt marsh along the west shore of the Indian River Lagoon in St. Lucie County. The overall goal of the project is to improve habitat and water quality in the Indian River Lagoon.	Mangrove	209	0	0
Indian River County Spoil Island IR-36 Restoration	Florida Department of Environmental Protection	Invasive vegetation was removed from IR-36 and the island re-planted with native vegetation. Hiking trails were cleared, and picnic tables, benches and fire pits constructed. Educational kiosks have been installed on the island informing visitors of the benefits of native vegetation and wetlands.	Tidal Wetland	5	0	0

Indian River Lagoon Shoreline Revegetation Project	Florida Department of Environmental Protection	This Shoreline Revegetation Project restored mangrove habitat through community based education and hands on planting activities. The project makes extensive use of volunteers. The project is also developing methodologies to increase the survival rate of native plantings.	Tidal Wetland	10	0	0
Instituted Rotational Impoundment Management System at Impoundment #24	St. Lucie County	This project will implement Rotational Impoundment Management system methodologies in a mosquito control impoundment on the barrier island in St. Lucie County. This will partially restore the historic hydrologic exchange between the Indian River Lagoon and the impoundment.	Mangrove	90	0	0
Limestone Creek Natural Area Restoration	Palm Beach County	Construction of an oxbow near the point where the eastern tributary of Limestone Creek historically flowed into the south fork of the Loxahatchee River, a tributary of the Indian River Lagoon.	Forested Wetland	1.6	0	0
Marine Resources Council Shoreline Habitat Restoration	Marine Resources Council	Brazilian pepper trees were eradicated on public lands that are adjacent to the Indian River Lagoon. Marine Resources Council utilizes volunteers extensively for this project.	Tidal Wetland	77	0	0
Martin County Invasive Plant Partnership 2008	Nature Conservancy	Invasive non-native plants were removed on publically owned conservation lands within the Indian River Lagoon watershed.	Forested Wetland	115	0	0
Martin County Invasive Removal and Native Plantings	The Nature Conservancy	This project removed non-native invasive plants from the shorelines of the south Indian River Lagoon and uplands adjacent to the Indian River Lagoon in Martin County.	Forested Wetland	330	0	0
Merritt Island National Wildlife Refuge C-21-B Impoundment	US Fish and Wildlife Service	This project reconnected 1059 acres of wetlands to the Indian River Lagoon by installing 10 new water control structures in mosquito control impoundments on the Merritt Island National Wildlife Refuge in northern Brevard County.	Tidal Wetland	1,059	0	0
Merritt Island National Wildlife Refuge Exotic Removal	US Fish and Wildlife Service	This project removed air potato, rosary pea, and Old world climbing fern from 315 acres on Merritt Island National Wildlife Refuge in northern Brevard County.	Forest/Woodland	315	0	0
Merritt Island National Wildlife Refuge Exotic Removal	US Fish and Wildlife Service	This project removed forty acres of cogon grass from uplands, pine flatwoods, hydric hammock on Merritt Island National Wildlife Refuge in northern Brevard County.	Forest/Woodland	40	0	0
Merritt Island National Wildlife Refuge Exotic Removal	US Fish and Wildlife Service	This project eradicated 28,000 acres of Brazilian pepper and Melaluca on Merritt Island National Wildlife Refuge in northern Brevard County. The project utilized mechanical means and herbicide to eradicate the invasives.	Forest/Woodland	28,000	0	0
Merritt Island National Wildlife Refuge T-18-A Mosquito Control Impoundment	U.S. Fish and Wildlife Service	The project leveled 2.8 miles (14,840 feet) of dike, created 25.6 acres of wetlands and reconnected 223 acres of wetlands to the Indian River Lagoon on the Merritt Island National Wildlife Refuge in northern Brevard County.	Tidal Wetland	248.6	0	0
Micco Vegetation Reduction	Brevard County	Invasive plants were removed at the Micco Scrub Sanctuary in southern Brevard County. The Sanctuary is a 1725 acre publicly owned park comprised of seasonal	Forest/Woodland	85	0	0

		marshes and mesic flatwoods. The project involved the removal of Brazilian pepper from the Sanctuary.				
Mosquito Lagoon Oyster Reef Restoration	The Nature Conservancy	Oyster reef restoration involving attaching oyster shells to a mesh structure and deploying the mats on the margins of oyster reefs damaged by boat wakes in Mosquito Lagoon within Canaveral National Seashore. Volunteers have been used extensively for this project.	Tidal Wetland	11	0	0
Palm Beach County Invasive Plant Partnership	The Nature Conservancy	Invasive non-native plants were removed on publically owned conservation lands within the Indian River Lagoon watershed.	Forested Wetland	105	0	0
Pelican Island National Wildlife Refuge Preacher's Island Invasive Removal	US Fish and Wildlife Service National Wildlife Refuge System	This project eradicated invasive plant species, planted native species and reduced erosion on Preacher's Island within the Pelican Island National Wildlife Refuge.	Tidal Wetland	7	0	0
Port Canaveral Invasive Removal	Canaveral Port Authority	Removal of Brazilian pepper along SR 401 adjacent to the Banana River at Port Canaveral. Project includes periodic maintenance of existing removal areas along the SR 528 causeway, access roads and ramps.	Tidal Wetland	1.25	0	0
Removal of Brazilian Pepper and Australian Pine on Queens Island	St. Lucie County	This project protected and restored Queens Island in St. Lucie County, the site of ecologically sensitive native uplands and wetlands by removing Australian pine and Brazilian pepper.	Tidal Wetland	41	0	0
Removal of Invasive Vegetation at Blind Creek	St. Lucie County	This project removed invasive vegetation from Blind Creek. Previous efforts include removal of hurricane debris, replanting the area with native vegetation and providing public access to the creek.	Dune	84	0	0
Removing Exotic Vegetation and Planting Native Vegetation at John Brooks Park	St. Lucie County	This project removed invasive plants from John Brooks Park and re-planted the site with native species. St. Lucie County is monitoring the site to ensure the invasive plants do not return.	Barrier Island	11	0	0
Rio St. Lucie Water Quality Retrofit	Martin County	This is a water quality improvement project that constructed two lakes including improvements to an existing lake and discharge structures from an older subdivision in Stuart, Martin County.	Pond	104	0	0
Scottsmoor Flatwoods Sanctuary Unit 7	Brevard County	Scottsmoor Flatwoods Sanctuary is a 1521 acre property managed by the Brevard County Environmentally Endangered Lands Program. A prescribed fire was utilized as a land management tool to maintain biodiversity on the site and reduce the incidence of wildfires.	Forested Wetland	120	0	0
Sebastian River Muck Dredging	St Johns River Water Management District	This dredging project removed 1.85 million cubic yards of muck from the St. Sebastian River. The St. Sebastian River is a major tributary of the Indian River Lagoon. Muck deposits are easily disturbed resulting in nutrient suspension and turbidity in the Indian River Lagoon. This project was completed this fiscal year.	Soft Bottom/mud	18	0	0
Sewall's Point Road Stormwater Quality Retrofit	Town of Sewall's Point	Construction of a stormwater treatment area to provide water quality benefits to basin runoff before discharging into the Indian River Lagoon. Prior to project implementation, stormwater from this basin discharged untreated into the Indian River Lagoon.	Field/Meadow	23	0	0
St Lucie	St. Lucie County	This project eradicated exotics and removed fallen	Tidal Wetland	12.65	0	0

County Invasive Plant Removal		hurricane debris in a coastal maritime forest on the barrier island in south St. Lucie County.				
St Lucie County Spoil Island SL-3 Restoration	Florida Department of Environmental Protection	This project removed exotic vegetation from the uplands and wetlands on SL-3. The invasive removal is a precursor to replanting parts of the island with native plant species.	Tidal Wetland	1	0	0
St. Lucie River Oyster Reef Restoration	Florida Oceanographic Society	Oyster shells were placed into bags approximately 20-30 pounds each and transported by boat to the project site. The oyster bags are the placed in the water at the project site in the St. Lucie River. This project uses volunteers extensively.	Tidal Wetland	1	0	0
Taylor Creek Dredging Project-Bank Stabilization	St. Lucie County	Dredging and streambank stabilization took place to reduce recurring erosion problems in Taylor Creek in St. Lucie County. Taylor Creek is a major tributary to the Indian River Lagoon.	Riparian	2.25	0	0
Thousand Islands Conservation Area	Brevard County	This project removed invasive plans from the Thousand Islands in the Banana river. The Thousand Islands are publicly owned and purchased through the Brevard County Environmentally Endangered Lands program. The invasives were removed utilizing mechanical and chemical methodologies.	Tidal Wetland	12	0	0
Treasure Coast Dune Invasive Plant Removal Project	Treasure Coast Resource, Conservation and Development, Inc.	This project removed Scaevola taccada from the dune system and Brazilian pepper and Australian pine from the east shore of the Indian River Lagoon in Martin, St. Lucie and Indian River counties.	Tidal Wetland	158	0	0
Valkaria Scrub Restoration	Brevard County	Invasive plants were removed at the Valkaria site in southern Brevard County. The Valkaria scrub site is a publicly owned park comprised of seasonal marshes and mesic flatwoods. The project involved the removal of Brazilian pepper from the site using primarily mechanical methodologies.	Forest/Woodland	80	0	0
White City Canal D Water Quality Improvements	St. Lucie County	This project retrofitted existing water control structures and canal bank stabilization and stormwater conveyances for water quality treatment on the north fork of the St. Lucie River in St. Lucie County.	In-Stream	0	0	1000
Total				33625.14	0	1000