

Purpose of the Southwest Florida Comprehensive Watershed Master Plan (SWFCWMP)

- > The Southwest Florida Feasibility Study was authorized as a component of the Comprehensive Everglades Restoration Plan. > The purpose of the Southwest Florida Feasibility Study SWFCWMP is to identify environmental problems and opportunities in the southwest Florida region and from this develop a comprehensive watershed management plan that fosters environmental restoration while also meeting regional water resource needs.
- \succ The goals of the SWFCWMP include:
- Reduce pulse flows to the coast thereby restoring more natural estuarine salinity regimes
- Restore inland wetland and upland mosaic to reestablish natural ecosystems that support native flora and fauna, including 23 listed species
- Improve the quantity, quality, timing and distribution of surface water and groundwater flows for environmental, agricultural and urban uses
- Development of this plan has been a multi-agency collaborative effort

Intended Use of the SWFCWMP

- > This is a conceptual plan that includes the framework for a wide range of features intended for future detailed study and implementation by local, state, and federal agencies in cooperation with public and private land owners should funding become available.
- >Collaborative implementation is anticipated, particularly on the USACE interest components. > All components proposed on property currently under private ownership will only be considered for further study and implementation under agreement with the property owner.



The map above displays the 13 Functional Groups that comprise the Southwest Florida Comprehensive Watershed Master Plan. A Functional Group is one or more project components in a specific geographic footprint that provide synergistic, comprehensive, regional restoration for critical hydrologic locations to achieving project planning objectives. To the right is a more detailed description of each of the 13 Functional Groups color coded to correspond to the larger regional map above.

Schedule^{*}

- Draft Southwest Florida Comprehensive Watershed Master Plan Complete Fall 2010
- Public and Agency review of the Draft Report- Spring 2011
- Public Workshops Held Locally Spring 2011 Final Report Available to the Public – Summer 2011
- Report Submitted to Congress Fall 2011
- * Subject to change as directed by USACE/SFWMD management





omponent

<u>Number</u>

SLG02

SLG03

¹Everglades Partners Joint Venture, Jacksonville,

l ake Flirt

den Pens

onnection

Polywog Creek

Restoration

Marsh

Description

sociated wetlands (Lake Fli

Bonnet and Lettuce) by place a lock structure at a point on

where the original Lake Flirt Fa were located and weirs at points where existing irrigation

Land acquisition, invasive exc

vegetation removal, canal

and acquisition, road remo and/or culverting, ditch

field restoration, and berm

Land acquisition and resto

including road removal and culverting, ditch removal/plugging, exotic

vegetation control, farm fie

estoration, and berm remo

the Caloosahatchee River

anals exit the river. storing hydrologic

Chaparral connectivity by road and be

ditch filling.

Slough removal, culvert construction,

filling, and hydrologic

itrus Center removal/plugging, invasive

slough exotic vegetation control, far

mprovements to existing

e-hydrate lakes and









ire, and invasion by exotic vegetation. Encroachments by have restricted the historic conveyance and ecological functions of the wetlands and wildlife habitats.



	U					
COM at	Functional Group 73- South Caloosahatchee Ecoscape					
Component Number		Title	Description			
	BC84	Caloosahatchee Ecoscape	Restoration of hydrologic connectiv by enlarging openings under SR 80 and restoring the remaining areas to pre-development conditions.			
A State of the second s	F45	C-43 Reservoir WQ Treatment	Construction of a filter marsh.			
	SLG04	SLG04 Long Hammock Slough	land scquisition, hydrologic restoration, wetland restoration, and invasive exotic vegetation control.			
「市田三部署」	SLH01	Hunt Club	Land acquisition, hydrologic restoration, wetland restoration, and invasive exotic vegetation control.			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	W157	Goodno MAPS	Construction of an algal turf scrubb to help improve water quality.			
A Price	W158	Goodno WQ Treatment Area	Construction of a water treatment area to help improve water quality.			
S TANK	W28	Boma WQ Treatment Area	Construction of a wetland to improve water quality in the Caloosahatchee Ecoscape.			

n of a wetland to er quality in the chee Ecoscape.



Drainage

sidential areas and

oding downstrea uisance native veg

unct

FG 6 - SR 29/



residential development over the long term.

Southwest Florida Comprehensive Master Watershed Plan FG 29T - Caloosahatchee Creeks Tidal

	Functional Group 1	1- Okaloacoochee Slough
Component Number	Title	Description
BC103	Wildlife Crossing/ Immokalee Road East	Construction of wildlife crossings at k locations.
BC37	Okaloacoochee Slough Wildlife Management Area Hydrologic Restoration	Property acquisition, ditch removal, restoration of agricultural plots and c field habitat, wetland restoration, ar exotic vegetation removal.
BC38	Okaloacoochee Slough C1 and C2 Hydrologic	Ditch removal, exotic vegetation control, prescribed burn, and native replanting.
BC40	Okaloacoochee Slough Alico Property Acquisition East	Property acquisition, ditch removal, restoration of agricultural plots and o field habitat, wetland restoration, ar exotic vegetation removal.
BC41	Okaloacoochee Slough Alico Property Acquisition	Acquisition, ditch removal, exotic control, prescribed burn, and native replanting.
BC42	Twelve Mile Slough Acquisition	Acquisition, hydrologic restoration, invasive exotic vegetation control, a plugging of the canal that runs alon- railroad grade on the west side of component site.
BC48	Rural Lands R1 Wading Bird	These areas are in close proximity to FFWCC identified rookery and are suitable for hydrologic restoration by removal of drainage improvements and or some topographic alteration. These areas are still being utilized for pasture.
BC50	Okaloacoochee Slough Flow-way from the Caloosahatchee River to the Big Cypress Swamp	The Collier County portion of this flowway has been included in its Rura Lands Assessment Area, which is designed to allow willing landowners sell or trade development rights with the flowway. This would allow these lands to either be managed at their current level of agricultural productio or restored to a more natural landscape depending upon the amount of compensation they received for a particular parcel. Oth portions of the flowway are being or have been acquired.
BC73	Half Circle L Ranch	Acquisition, ditch removal, pasture a agricultural plot reclamation, and exotic vegetation removal.
BC83	Bear Island Road Network	Removal of roads and backfilling or plugging the canals and ditches.
SLC04	Immokalee Connector	Acquisition, culverting, road remova berm removal, ditch filling and remov of any features impeding flowways. Other restoration would involve farm field restoration and exotic vegetati removal.
SW06	Okaloacoochee Slough Ag Water Containment Area	Capture wet season canal flows on private lands for release during the c season.
W176	Okaloacoochee Slough WQ Treatment Area	Construction of a Water Quality Treatment Area.

vegetation control.

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reek r oval c	estoratio	ons icult	ural	84	Bayshore Conservation Easement
es, cul pad, a	lvert rep and inva	lace asive	exotic	85	Owl Creek
ontrol. prove ncluc	ments to ling mai	o exis ntair	sting ning	88	Mouth of Orange Rive
sive e serva t.	exotic re tion to re	mov educ	al, and ce		
ion, c ratior estore	and in erreek b	onsti vasiv oy ex	ruction, /e otic	96	Trout Creek/Strickle Gulley Corrido
creek crossi aters 2020	bank res ng culve owned t #206.	stora erts. hrou	ition. Popash igh	97	Otter Creek Corridor

East Branch marsh system Daughtreys flow way, inv

Palm Creek wetland restorat

struction of a filter marsh alo

exotic control.	96	Creek/Strickler Gulley Corridor	es qu Th
Acquire and restore creek by exotic removal and creek bank restoration.			fo ac pr
Creek headwaters owned through Conservation 2020 #206.	97	Otter Creek Corridor	Re he ba
Land acquisition, better culverting, creek bank restoration, wetland restoration, and invasive exotic vegetation control	98	Telegraph Creek Corridor	La w cr ai
Land acquisition, hydrologic restoration	107	Harnes Marsh Expansion	tu qu
of a flowway, wetland restoration associated with a creek, and invasive exotic vegetation control.	108	Orange River	Ri ⁱ ao ao in
Land acquisition, hydrologic restoration, wetland restoration, and invasive exotic vegetation control.		Conidor	Ja im Bu
Land acquisition, hydrologic restoration, wetland restoration, and invasive	111	Able Canal	Hy m gr
Land acquisition, hydrologic restoration, wetland restoration, and invasive exotic vegetation control. Possibly construct a filter marsh from Palm Creek along the power line easement.	113	Yellow Fever Creek Headwaters	ta ta Fe Ri qu re
Land acquisition, hydrologic restoration, wetland restoration, and invasive exotic vegetation control	400	North Palm Creek Headwaters	La w

e Watershe(acy Shaw ² , Tim Gysan ²	d Plan	
L, 20.5. Army Corps of Engineers, Jmain corpsmain corpsmain corps	<section-header><section-header></section-header></section-header>	<section-header></section-header>
Functional Group 6 State Ubary MArks Imprehensive Master Watershed Pan River Flow-way Nestoration River Flow-way Nestoration River Flow-way Nestoration Functional Group 6-SR 29 Barron River Flow-way Component BC 104 Crossing/SR 29 Crossing/SR 29 Rey locations. BC 105 Crossing/OII Well Rey locations. BC 106 Wildlife Crossing/OII Well Rey locations. BC 106 Wildlife Crossing/OII Well Rey locations. BC 106 Wildlife Crossing/SI Rey Ploations. BC 106 Florida Panther National Wildlife actographic connectivity along Parter Road 29 beginning approximately 5 miles south of Immokalee at Owi Hammock and end at the intersection of the SR 29 / Barron River Canal and US 41. Florida Panther National Wildlife Retuge Key Regides Restoration of Asalococchee Sought Si Now into the Florida Panther National Wildlife Retuge (FWWR), State Preserve FSSP, Big Cypress CNP), and Everglades National at has resulted in groundwater fands and impacts to the national strand in the section of the SR 29/Barron River Canal adjacent to the Retuge to raise canal water levels adjacent to refuge. Strand Strand Restoration to treat flow prior to entry into Panther Retuge. <td><complex-block></complex-block></td> <td></td>	<complex-block></complex-block>	
Image: construction of a new weik: Canal View of weight of the flow of the coast Reservoir component Strand Zien Area Strand Zie	<text></text>	
Provide in the mean of and provide restored in the mean of the former server in the complexitient of the server is the construction of the mean of the former server is the construction of the mean of the former server is the construction of the mean of the former server is the construction of the mean of the former server is the construction of the construction of the data server is the second of the server is the construction of the former server is the construction of the construction of the data server is the construction of the con	Southwest Florida Comprehensive Master Watershed Plan (FG 34 - Estero Creeks and Headwaters Flow-ways) Functional Group 34 - Estero Creeks and Headwaters flow-ways Specific memory and diches, wer removale and diches, wer removale diches, wer removale diches removale diches, wer removale diches, diches, diches, diches, diches, diches, diches, diches	Millybaging Itting randing 0 Stantage instanta restorts Land acquilities, hydrogic restoration involve each Consistion Environmental Concerns: This area has been heavily ubanized due to its desirable location on the costs. It is characterized by residentiation contra. 32 East El works Address Creek Heaver Add



Southwest Flo FG 29F	orida Comprehensive Master Watershed Plan - Caloosahacthee Creeks Freshwater	Fu	nctional Group 29F-	Caloosahatchee Creeks Freshwater			Developing comprehensive re
		Component Number	<u>Title</u>	Description	F01-F35	Caloosahatchee Oxbows	shoreline treatment plans as r different location along the fr portion of the Caloosahatche
	Charlotte Qlades Lao Hendry Hendry	99	Unnamed Creek at Caloosahatchee State Recreation Area	Invasive exotic removal, restoration of bank type, and removal of hydrologic impediments in the southern end of the property. A canoe launch with trail could be built in conjunction with the State Recreation Area.	F41	Jacks Branch	Acquisition, hydrologic restora enhancement, and invasive vegetation removal.
					F42	Bee Branch	River corridor repairs such as restoration of bank type, and hydrologic impediments.
		100	Cypress Creek Corridor	River corridor repairs such as invasive exotic removal, restoration of bank type, and removal of hydrologic impediments.	SW02	Freshwater Caloosahatchee Southeast Ag	The component is designed
		101	Spanish Creek/Four Corners	Acquisition, hydrologic restoration, isolated wetland restoration, cypress slough restoration and invasive exotic vegetation		Water Containment Area	capacity of agricultural deter
		102	SFWMD Four- Corners Property	control. Construction of a stormwater treatment area to improve water quality.	SW03	Albritton/Hilliard/P almer Ag Property	lands. The component is des increase capacity of agricult
Develop loss an season	Environmental Concerns: Development driven habitat loss and excessive wet season drainage have degraded wetland and riparian riverine habitat and lowered ground water levels, making the area more susceptible to drought, fire, and invasion by exotic vegetation. Water quality has also been degraded primarily as a result of non-point source pollutants associated with local landuse.	103	County-line Unnamed Creek	Acquisition, river corridor repairs such as exotic removal, restoration of bank type, and removal of hydrologic impediments.	SW04	Freshwater Caloosahatchee Northeast Ag	The component is designed
degrade riparian		104	Bedman Creek Corridor	River corridor repairs such as exotic removal, restoration of bank type, and removal of hydrologic impediments.		Water Containment Area	capacity of agricultural det
lowered levels, more drought, by exotic		105	Hickey Creek Headwaters	River corridor repairs such as invasive exotic removal, restoration of bank type, removal of hydrologic impediments, and restoration of a more natural native upland and wetland mix.	SW05	Freshwater Caloosahatchee Southwest Ag Water Containment Area	The component is designed capacity of agricultural det
quality degrade result of		106	Hickey Creek Swamp	Acquisition, hydrologic restoration, wetland restoration, and invasive exotic vegetation control.	SW22	Hickey Creek Storage Reservoir	Construction of an above g reservoir designed to captur canal flows for release during season.
local lan		109	Hickey Creek	Acquisition, hydrologic restoration, habitat restoration, and invasive exotic vegetation removal in association with Hickey Creek	W162	Hickey Creek MAPS	Construction of an Algal Tur to help improve water qual
			- Spice on amps	Canal. River corridor repairs such as invasive exotic removal restoration of bank type removal	W164	SFWMD Four- Corners Property MAPS	Construction of an Algal Tur (ATS).
		110	Hickey Creek Canal	of hydrologic impediments, and creation of a wider, meandering cross-section with littoral zones.	W44	Greenbriar Centralized Wastewater	Construction of a centralize treatment and re-use syste Acres.



