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acres of exoti	nt and budget A	mendment an te prep and es	d Kesolu stablish n	tion for \$ 19,99	1.00. For Calo	are's Wildlife Habitat In Desahatchee Regional Pa up pest management tre	rk to remove 41.6
WHY ACTI	ON IS NECES	SARY: Boar	d must fo	rmally accept g	rants		
WHAT ACT	TION ACCOM	<u>iPLISHES:</u> T	o continu	ie replacing nati	ve trees and sh	rubs for exotics throug	hout our Parks.
2. DEPART	MENTAL CA	TEGORY.			3.	MENTING DATE.	
COMMIS	SSION DISTR	ICT#] 3.	MEETING DATE:	1000
4. AGENDA		5 DE	OHIDE	· / / / / /	SE C DE	03-25-2	
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vegetation, sit	te prep and esta	blishment of a	native tre	es and shrubs in	the park. Also	required is follow up r	est management
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RESOLUTION#

Amending the MSTU Budget, Fund 15500 to incorporate the unanticipated receipts into Estimated Revenues and Appropriations for the fiscal year 2002-2003.

WHEREAS, in compliance with the Florida Statutes 129.06(2), it is the desire of the Board of County Commissioners of Lee County, Florida, to amend the MSTU Budget, Fund 15500 for \$ 19,991 of the unanticipated revenue from Grant funding and an appropriation of a like amount for grant expenditures and;

ESTIMATED REVENUES

WHEREAS, the MSTU Budget, Fund 15500 shall be amended to include the following amounts which were previously not included.

Prior Total: Additions \$78,963,895 Parks & Rec-21st Wildlife Habitat 11071815500.331390.9003 19,991 Incentives Program Amended Total Estimated Revenues \$78,983,886 APPROPRIATIONS Prior Total: \$78,963,895 Additions 11071815500.501210 Salaries 19.991 Amended Total Appropriations \$78,983,886 NOW, THEREFORE, BE IT RESOLVED by the Board of County Commissioners of Lee County, Florida, that the MSTU Budget, Fund 15500 is hereby amended to show the above additions to its Estimated Revenue and Appropriation Accounts. Duly voted upon and adopted in Chambers at a regular Public Hearing by the Board of County Commissioners on this ____ day of _____, 2003. BOARD OF COUNTY COMMISSIONERS CHARLIE GREEN, EX-OFFICIO CLERK LEE COUNTY, FLORIDA DEPUTY CLERK CHAIRMAN APPROVED AS TO FORM OFFICE OF COUNTY ATTORNEY DOC TYPE YA LEDGER TYPE BA



United States Department of Agriculture

Natural Resources Conservation Service

3434 Hancock **Bridge Parkway** Suite 209B N. Ft. Myers, FL. 33903 (239) 995-5678 X3 October 21, 2002

Caloosahatchee Regional Park c/o Roger Clark, Lee County Parks & Recreation 3410 Palm Beach Boulevard Ft. Myers, Florida 33916

Dear: Roger, et al.

This letter provides notice that your Wildlife Habitat Incentives Program (WHIP) application meets our State wildlife objectives and funds have been approved for your wildlife habitat development project in the amount of \$19,991.00.

Presently, we are waiting for the U.S. Fish and Wildlife Service to provide informal consultation on Threatened and Endangered Species before the Natural Resources Conservation Service can proceed with the project. Once informal consultation has been completed, you will be asked to schedule a planning session with the NRCS, Ft. Myers Service Center, to identify target dates for the implementation of your conservation practices.

Congratulations on being selected as a WHIP recipient. We look forward to working closely with you toward your goals of wildlife habitat enhancement.

Sincerely.

Kendal Hicks

Soil Conservationist



USDA-Natural Resources Conservation Service Ft. Myers Service Center 3434 Hancock Bridge Parkway Suite 209B North Ft. Myers, FL 33903 941-995-5678 Ext.3

Kendal Hicks Soil Conservationist

Contract Support Document

Caloosahatchee River Reg Park 3410 Palm Beach Blvd. Ft. Myers, FL 33916

Contract Number: 72420927101

Tract	Field	item #	Planned Conservation Treatment	Estimated Amount	Units	Cost / Unit	Program	Cost Share	2003	2004	2005
	1	1	Land Clearing (460)								
Rem	ove tree:	s, stump	s and other vegetation fro	m wooded	area as re	equired by t	he consens	tion nlan			

Г		460-Land							
		Clearing/Create Forest		ľ				i	
L	1a	Openings	41.6 Acre	\$455.00	WHIP	75.0% AM	\$14,196		

PEST MANAGEMENT (595A)

Pest populations will be managed with an integrated pest management system using a combination of two or more mechanical, cultural, biological, and chemical systems.

2a	595- Pest Management of Noxious Plants	25.0	Acre	\$53.33	WHIP	75.0% AM	\$1,000		_
2b	595- Pest Management of Noxious Plants	25.0	Acre	\$53.33	WHIP	50.0% AM	<u> </u>	\$667	
	595- Pest Management of Noxious Plants		Acre	\$5 3.33	WHIP	50.0% AM		V 001	\$667

Tree/Shrub Establishment (612)

This field(s) will be planted to trees and shrubs to establish cover for various wildlife species.

	612-Tree Planting /		T	T		T			
3a	Hand Planted, BR	25.0	Acre	\$67.70	WHIP	75.0% AM	\$1,269		
	COMVEG-Other			1		10.010 747	V 1,200		
ļ	Plants/Dahoon Holly (7		ļ		ĺ]		[
3b_	gallon)	30,0	Each	\$20.00	WHIP	75.0% AM	\$450	Į.	1
	COMVEG-Other					1,510,511,5	4,00		
1	Plants/Wax Myrtle (3			1					ľ
<u>3c</u>	gallon)	45.0	Each	\$4.00	WHIP	75.0% AM	\$135		ł
	COMVEG-						7.00		 -
ł	Shrubs/Beauty Berry,		l		ĺ	1 1			
3d	American (3 gallon)	45.0	Each	\$5.00	WHIP	75.0% AM	\$169		i
}	COMVEG-								
	Shrubs/Buttonbush (3		l	1	ŀ				Ĭ
3e	gallon)	50.0	Each	\$5.00	WHIP	75.0% AM	\$188		
	COMVEG-								
1	Shrubs/Dogwood (1					1			Į.
3g	gallon)	50.0	Each	\$3.50	WHIP	75.0% AM	\$131		
1	COMVEG-Trees/Ash							****	
3h	(3 gal./Fraxinus spp.)	40.0	Each	\$5.50	WHIP	75.0% AM	\$165		
	COMVEG-								
[Trees/Hackberry (3	1		1		1 1			
3i	gallon)	50.0	Each	\$5.00	WHIP	75.0% AM	\$188	;	
	COMVEG-Trees/Gum,								
	Swamp Tupelo (3	ſ		}		} }			
3j	gallon)	45.0	Each	\$6.00	WHIP	75.0% AM	\$203		
	COMVEG-Trees/Red]			
3k	Maple, (1 gallon)	35.0	Each	\$2,50	WHIP	75.0% AM	\$66		
1 1	COMVEG-	Ţ,							
	Trees/Willow, Carolina,	Į	j]		[]	J		
31	(3 gallon)	45.0	Each	\$4.00	WHIP	75.0% AM	\$135		(
j j	COMVEG-	1							
	Trees/Persimmon,	l		! !			J		- 1
3m	Common (3 gallon)	35.0	Each	\$6.00	WHIP	75.0% AM	\$158		

3n	COMVEG- Trees/Sweetbay, (3 gallon)	45.0 Each	\$6.00 WHIP	75.0% AM	\$203		
	Total Cost-Share by C	alendar Year			\$18,656	\$667 \$66	<u></u>
	Total Contract Cost-Si	nare	\$19,990				
B. When established government. C. Enter total cost peparticipant. D. All cost share rate AA = Ac FR = FR NC = Nc	ed under "Item #" must be a l, the conservation practice er unit under "Cost/Unit" un es shown under "Cost Shai ctual costs not to exceed an at rate on cost-shared ctual cost not to exceed a s	es listed as "Planned Co nless the method of cos re" are based on averag verage cost	nservation Treatment- t-share is flat rate. V	it" must be ma Vhen flat rate,	enter the amou		
assistance and/or co Conservation); 16 U. Salinity Control); The	sed in both the developments sharing. The authorities S.C. 590p(b) (Great Plains Food Security Act of 1983 ulgated thereunder. Furnis	s for such work are: 16 s); 30 U.S.C. 1236 et si 5, Public Law 99-198; F	U.S.C. 590a-f (Soll a eq. (Rural Abandoned Federal Agriculture im	ind Water Con d Mine Reclam aprovement an	servation); 16 t nation); 43 U.S. d Reform Act o	U.S.C. 590h(C. 1592(c) (0 of 1996, Publi	b) (Agriculture Colorado River Basin c Law 104-127 and
By signing, the partic	ipant acknowledges receip	ot of this practice sched	ule and agrees to cor	nply with the to	erms and condi	itions hereof.	
CERTIFICATI	ON OF PARTICIPANTS						
Galbosahatchee	Ref Park	2/13/C3 Date					

CERTIFICATION OF:

Soil Conservationist

Kendal Hicks Date

CONSERVATION DISTRICT

Lee County SWCD

Date

NONDISCRIMINATION STATEMENT

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

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WILDLIFE HABITAT DEVELOPMENT PLAN

CLIENT: Lee County Parks & Recreation

COUNTY: Lee PLAN DATE: 2/6/03

SITE: Section 18, T43S, R27E

ASSISTED BY: Kendal Hicks

❖ Introduction

This proposed habitat restoration encompasses approximately 41.6 acres within a 472 acre tract of land referred to as the Caloosahatchee Regional Park. The park is located a few miles west of Alva in Lee County, Florida. The park is owned by the State of Florida, but is leased to Lee County Parks and Recreation for management and public use. Extending north from the northern property line is land largely maintained as wildlife habitat with approximately 25-50% cropland. The native habitat in this northern segment varies between 30-50% fresh water marshes and sloughs, 10-30% developed farm land, and 30-50% south Florida mesic and hydric flatwoods. Very little to no urban development has affected the northern neighboring property. Directly to the south of the site is a two lane, paved county road that divides the park from additional park that extends about one-half mile to the Caloosahatchee River. Extending from the east and west property lines are improved agriculture lands containing about a 50-50 mixture of groves and pasture lands with homesites.

* Threatened, endangered and species of special concern

Management efforts have targeted the following state and federally listed species to potentially benefit from the habitat restoration:

East Indigo Snake, Gopher Tortoise, Wood Stork, Florida Panther, Red-Cockaded Wood Pecker

Ecological systems

The ecological systems associated with this site, according to the Cowardin classification system, include Palustrine Forested broad-leaved and needle-leaved deciduous with seasonal flooding and man-made uplands that were created from fill (spoil) dug from the adjacent Caloosahatchee River. This site is host to Gopher tortoises, Eastern Indigo Snakes, Wood stork, Florida panther, rabbits, raccoons, squirrels, songbirds, and possibly woodpeckers.

Plan objective

The objective of this Wildlife Habitat Development Plan (WHDP) is to remove invasive species in infested areas and re-plant with native species to largely "create" a natural and native south Florida ecosystem. The word create is used because the soils on site have been tremendously impacted (re-created) by placing several feet of spoil depth obtained from the Caloosahatchee River dredging operations 60-70 years ago. In addition to the habitat management, the managers wish to provide for educational awareness, public use for eco-walks, and to cooperate with research entities interested in studying the local ecology.

Management activities

Management activities will continue to support conditions and habitat management practices necessary to promote the above listed species. Activities to date include mowing in selected areas, some spot hand removal of exotics with axes, saws, and other hand tools. Attempts to introduce more native species has occurred on a limited basis. Trails have been created for public use. A pavilion and parking area was built

at the park entrance. One of the parmary goals of the site managers is to create a native south Florida plant community to support these species. Invasive plants (most notably Brazilian pepper) will be removed and/or controlled and native trees, shrubs, and grasses will be planted. Lee Parks and Recreation will be providing matching funds for the purchase and planting of native plant species. They have also secured volunteer workers to provide manual labor for brush and weed removal and to re-plant selected vegetation. WHIP funds will be used for exotics removal, brush management, repeated herbicidal spot treatments, and to purchase native vegetation. WHIP funding also provides for land preparation and soil amendments prior to and including planting. Technical assistance will be provided to facilitate nutrient management, upland wildlife habitat and wetland wildlife habitat.

Specific essential practices

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Mechanical land clearing (NRCS Practice Code 460)

Please refer to the Land Clearing Planning Considerations provided in the client's 6-part folder. Brazilian pepper and other invasive woody species will be mechanically removed with heavy duty land clearing machinery. Debris will be piled in stacks to burn, burned where shredded, or removed from the site in trucks to allow for open canopy for planting with native stock.

Nutrient Management (NRCS Practice Code 590)

Soil tests are recommended with soil amendments to follow based upon IFAS recommendations. Client should also refer to materials provided in the Nutrient Management section of the 6-part folder.

Pest Management (NRCS Practice Code 595)

Re-sprouts and new emergent seedlings will need to receive systematic and planned spot treatments over the next several years. Garlon 3A, Garlon 4 Velpar L, Remedy, Roundup, Poast, and Fusilade are the common names of some herbicides that are recommended for this site. Herbicides should be mixed with an oil-based carrier (surfactant) when used to treat woody species. Applications should always follow labeled instructions.

Tree and Shrub Establishment (NRCS Practice Code 612)

Once the infested areas have been cleared, native species that are well adapted to this site, shall be planted to provide habitat for a variety of species, including those mentioned above. A species list shall be developed with consultation between NRCS (the approved WHIP cost-share list) and Lee County P&R. The soils shall be tested for pH and nutrient levels and amended according to IFAS recommendations prior to planting the new stock. All vulnerable stock shall be irrigated, as needed, until they are firmly rooted and established. Deep irrigation, every 7-10 days, is preferred over more frequent, shallow irrigation to encourage deep root growth and development.

Prescribed Burn (NRCS Practice Code 338)

Although not in the NRCS Conservation Plan of Operations, prescribed burning is recommended to commence in about 3-5 years. It should become one of the primary maintenance tools, since this site is naturally subject to a fire dependent ecosystem. Burning should occur on a 3-5 year rotation and is recommended during May through July to mirror lightening induced fires. This timing will also reduce impacts to spring and early summer nesting species. It has been demonstrated that more effective woody plant control is obtained from a spring to early summer burn rather than a fall or winter burn. You should consider rotating the burn frequency and also consider an occasional fall or winter burn to accentuate plant species diversity. A prescribed burn prescription and permit from the Florida Division of Forestry will be required prior to conducting any burns on this site. A sample NRCS prescribed burn jobsheet will be included in the 6-part folder.

Wetland Wildlife Habitat Manag ...ent (NRCS Practice Code 644)

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Once land clearing has been completed, the riparian area that runs through the northwest corner of this site shall be replanted with wetland adapted species. Due to potential heavy equipment damage and/or alteration of the natural hydrology in the riparian zone, woody debris should not be pushed, drug or root-raked across the soil surface. Equipment should only be used when **minimal or no** tracking, rutting (i.e. occasional areas with 1-2 inches maximum) or other damage to the soil surface is anticipated. A species list shall be developed with consultation between NRCS (the approved WHIP cost-share list) and Lee County P&R. Natural re-seeding of native wetland species is expected to occur in this area as well. Follow-up spot herbicide treatments will be utilized to suppress and/or eliminate undesirable plants. This riparian zone will provide multiple benefits for indigenous wildlife species. Wading birds, in particular, will also utilize this area as feeding and/or roosting grounds.

Upland Wildlife Habitat Management (NRCS Practice Code 645)

The upland ecosystem will be managed with the above mentioned practices to provide suitable habitat for upland wildlife species including mammals, invertebrates, reptiles, woodpeckers, avian fauna, and neotropical migrant song birds. This site will be managed to support a diversity of tropical and semi-tropical hardwoods, S. Florida slash pine, shrubs and associated native herbaceous and grass species. Follow-up spot herbicide treatments will be utilized to suppress and/or eliminate undesirable plants. Prescribed burns will be used in the future to sustain a fire-dependent ecosystem. 2-3 nest boxes per acre are recommended to be placed in a random fashion to encourage songbird, bats and/or owl populations. Nest box construction designs will be provided in the 6-part folder. Target species for the nest boxes include the screech owl, redbellied woodpecker, great created flycatcher, and songbirds. A 10' x 10' brush pile every 1-3 acres can be maintained to provide habitat for small mammals, rodents and reptiles. Encroachment from Guinea grass will need to be controlled with a combination of mowing, tillage, burning and herbicidal treatments.

USDA-Natural Resources Conservation Service Ft. Myers Service Center 3434 Hancock Bridge Parkway Suite 209B North Ft. Myers, FL 33903 941-995-5678 Ext.3

Kendal Hicks Soil Conservationist

Conservation Plan

Caloosahatchee River Reg Park 3410 Palm Beach Blvd. Ft. Myers, FL 33916

Land Clearing

Remove trees, stumps and other vegetation from wooded area as required by the conservation plan.

		Planned			Applied	
Tract	Field	Amount	Month	Year	Amount	Date
	1	41.6 AC.	4	2003		
	Total:	41.6 AC.				1

Tree/Shrub Establishment

This field(s) will be planted to trees and shrubs to establish cover for various wildlife species.

		Planned			Applied	
Tract	Field	Amount	Month	Year	Amount	Date
	1	25.0 AC.	6	2003		
	Total:	25.0 AC.				

Wetland Wildlife Habitat Management

Retain, create, or manage wetland habitat for water fowl, fur bearers, or other wildlife.

		Planned			Applied	
Tract	Field	Amount	Month	Year	Amount	Date
	1	4.0 AC.	5	2003-2008		
	Total:	4.0 AC.				

Upland Wildlife Habitat Management

Create, maintain or enhance area(s) to provide upland wildlife flood and cover.

		Planned			Applied	
Tract	Field	Amount	Month	Year	Amount	Date
	1	37.6 AC.	5	2003-2008		
	Total:	37.6 AC.				

PEST MANAGEMENT

Pest populations will be managed with an integrated pest management system using a combination of two or more mechanical, cultural, biological, and chemical systems.

Tract	Field	Planned Amount	Month	Year	Applied Amount	Date
	1	25.0 ac.	5	2003		
	1	25.0 ac.	5	2004		T
	1	25.0 ac.	5	2005		
	Total:	75.0 ac.				

CERTIFICATION OF PARTICIPANTS			· · · · · · · · · · · · · · · · · · ·
Maus Mullu Caloosahatchee River Reg Park	0 9-12-02 Date		
CERTIFICATION OF:			
Soil Conservationist Sende Albert	gajoz	CONSERVATION DISTRICT	
Kendel Hicks	Date	Lee County SWCD	Date

NONDISCRIMINATION STATEMENT

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Page 3 of 3

WHIP Preliminary Plan	WHIP	Preliminary	Plan
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(\$	Gov.'t Cost-Share	tice Cost (\$)	Maximum P	Quantity (ac., ft., no.)	Practice Name	Practice Code
		455.00	\$	41.6	Land Clearing	460
99.		53.33	\$	25	Pest Management	595
35.		53.33	\$	25	Pest Management (follow-up treat)	595
35.		53.33	\$	25	Pest Management (follow-up treat)	595
	\$ 1,26		\$	25	Tree/Shrub Establishment	612
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ApplicantLee County BOCC for Caloosahatchie Rv Park	Date:	9/12/0
District Conservationist	Date _	7/12/02
Biologist	Date	

Preliminary Plan Map

Caloosahatchee River Reg Park Lee County Parks & Recreation Lee County SWCD

Date: 09/12/2002

Ft. Myers, Florida USDA/NRCS Kendal Hicks (239) 995-5678 X3





