

ARTHROPOD CONTROL PLANS Northeast District

January 28, 1991

Mr. Thomas Michael Shores Amelia Island Mosquito Control District P. O. Box 62 Fernandina, Florida 32034

Dear Mr. Shores:

Thank you for the application to update your Arthropod Management Plan for Amelia Island Recreation Area. It appears to be similar to our existing arrangement, and we have approved it with the following caveats. As in our past agreements, all adulticiding is at the request of the Park manager unless a medical emergency has been declared by the State Epidemiologist. Additionally, any mosquito ditch restoration must be approved by the Park Manager on a case by case basis because of the significant disruption which may occur to the Park, endangered or threatened species, or other species assemblages.

As in the past, we would also appreciate your limiting even approved control activities to only those needed to solve a documented problem.

Again, we appreciate your assistance. If you have any questions or concerns, please let me know.

Sincerely,

Edwin W. Irby, Jr. Chief, Office of Fisheries Management & Assistance Services

EWI/eaj

cc: John Mulrennan Robert Joseph

11/05: DCB can't find new proposal

for Analia Island SRN to which

this approval applies. May refer

to older "objection" (attached).

OBJECTION

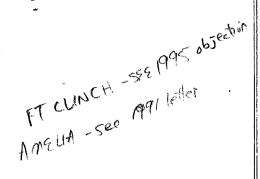
State Parks

Unit(s)

District

Fort Clinch S.P. Amelia Island S.R.A

Amelia Island



The activities listed below, if checked, are proposed in the plan submitted for arthropod control on environmentally sensitive and biologically highly productive lands. They are unacceptable for subject properties.

Unaccepta	ble Activities
X	Aerial adulticiding, including incidental deposition.
	Application of larvicides or pupacides except for Bacillus thuringiensis israelensis (BTI).
<u>X</u> .	Any physical alterations such as, but not limited to: ditches, ponds, dikes, impoundments, or the maintenance of such alterations.
	Trimming or removal of vegetation.
	Insufficient survelliance prior to proposed activity.
	Described activity so general we cannot tell how parcel would be affected.
	No plan received.
The activ	vities listed below would be acceptable:
X	Use of Bacillus thuringiensis israelensis (BTI).
X	Upon request of park manager, ground adulticiding in occupied public use and service areas.
X	Placement of larvae eating native fishes such as Gambusia

OBJECTION

State Parks

Unit(s)

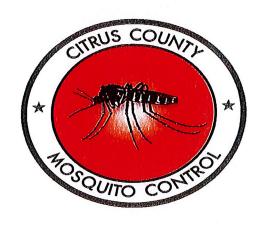
District

Little Talbot Island S.P. Big Talbot Island S.P. Kingley Plantation S.H.S.

City of Jacksonville

The activities listed below, if checked, are proposed in the plan submitted for arthropod control on environmentally sensitive and biologically highly productive lands. They are unacceptable for subject properties.

Unaccepta	able Activities
X	Aerial adulticiding, including incidental deposition.
X	Application of larvicides or pupacides except for Bacillus thuringiensis israelensis (BTI).
<u>X</u> .	Any physical alterations such as, but not limited to: ditches, ponds, dikes, impoundments, or the maintenance of such alterations.
	Trimming or removal of vegetation.
	Insufficient survelliance prior to proposed activity.
	Described activity so general we cannot tell how parcel would be affected.
	No plan received.
The acti	vities listed below would be acceptable:
X	Use of Bacillus thuringiensis israelensis (BTI).
X	Upon request of park manager, ground adulticiding in occupied public use and service areas.
Y	Placement of larvae eating native fishes such as Gambusia



FOR STATE LANDS MANAGED BY THE FLORIDA PARKS SERVICE

CITRUS COUNTY MOSQUITO CONTROL DISTRICT

968 North Lecanto Highway

Lecanto, Florida 34461

phone: 352-527-7478

www.citrusmosquito.org

December 2010



Florida Department of Agriculture and Consumer Services Division of Agricultural Environmental Services

ARTHROPOD MANAGEMENT PLAN - PUBLIC LANDS

Chapters 388.4111, F.S. and 5E-13.042(4)(b), F.A.C. Telephone: (850) 922-7011

For use in documenting an Arthropod control plan for lands designated by the State of Florida or any political subdivision thereof as being environmentally sensitive and biologically highly productive therein.

Crystal River Preserve State Park, 3266 N. Crystal River Archeological State Park, 3400	Sailboat A N. Museun	Ave., Crystal Ri n Pt., Crystal River	ver, Citrus County Florida 34428 , Citrus County Florida 34428
s Control Work Necessary:	⊠ Yes	☐ No	
Location: solated pockets of water, low areas and ditch	nes in and a	round the Preserve	∍ and Archeological sites
_and Management Agency: Florida Park Service (FPS)			
Are Arthropod Surveillance Activities Necessa f "Yes", please explain: nspection of low areas, grassy swales, ditche anding rate counts of adult mosquitoes will b explained below} may be utilized to determin	es and other be used to d	water holding site etermine areas wit	No s having the potential to support mosquito larvae. th the greatest problem. Occasionally CDC Traps and species.
Which Surveillance Techniques Are Proposed Please Check All That Apply:	d?		
☑ Landing Rate Counts	Lig	ht Traps	Sentinel Chickens
Citizen Complaints	⊠ Laı	val Dips	Other
f "Other", please explain: Center for Disease Control Traps (CDC Traps are baited with a miniature light boroadens the spectrum of mosquito spe	oulb that atti	racts certain specie	ment population densities and species. CDC es of mosquitoes and also are baited with CO₂ which

orthropod Species for Which Control is Proposed: Anopheles crucians, An. Quadrimaculatus, Culex nigripalpus, C. erraticus, Mansonia tittilans, Mansonia dyari, Coquillettidia perturbans, Culiseta melanura.					
Proposed Larval Control: Water holding sites determined to be breeding mos products listed below.	squito larvae	will be treated using one or a combination of the larvicidal			
Proposed Larval Monitoring Procedure:					
Potential mosquito breeding sites will be checked vis	sually and/or	with a 350 ml dipper used to gather larvae. If samples are not			
identifiable in the field, a live sample will be taken an					
Are post treatment counts being obtained:	⊠Yes	□ No			
Biological Control of Larvae:					
	F3				
Might predacious fish be stocked:	⊠ Yes	□No			
Other biological controls that might be used:					
none					
Material to be Used for Larvaciding Applications:					
(Please Check All That Apply:)					
⊠ Bti					
⊠ Bs					
Methoprene					
Non-Petroleum Surface Film					
Other, please specify:					
Please specify the following for each larvicide:					
Chemical or Common name: Bti and Bs are so products are applied to a ground corn co	old under the ob medium	brand names Vectobac and Vectolex respectively. These to aid in application.			
⊠ Ground					
Rate of application: Vectobac and Vectolex are					
Method of application: All-terrain vehicles, truck with liquid and/or dry material spray system plank Manager.	s, powered batforms. Rot	eack-pack applicators and manual broadcasting tools equipped arry aircraft will only be used with prior approval of			

Propose or reside	d Adult Mosquito C ential areas in the pa	ontrol: Grou ark.	nd adulticidin	g will occur only at the request of the park manager and then only in public use
	Aerial adulticiding		Yes	⊠ No
	Ground adulticidino	9	⊠ Yes	□ No
	Please specify the	following for	each adultici	de:
	Chemical or comm	non name: B	iomist 30-30,	Permanone 30-30, Duet,
	Anvil 10-10, Zeniv			
	Rate of application 0.42 fl. oz., Zenive	: Biomist and x 0.27 fl.oz.	d Permanone	e 0.36 fl.oz. {same product, different manufacturer}, Duet 0.75 fl.oz., Anvil
	Method of applicat utilized.	ion: All-terraiı	n vehicles, tru	icks, handheld and back-pack ultra low volume {u.l.v.} spray platforms will be
Propose this plan	ed Modifications for during a threat to p	Public Healt oublic or anim	h Emergency nal health deci	y Control: Arthropod control agency may request special exception to lared by State Health Officer or Commissioner of Agriculture.
the conf		de by phone, Details will inc nclude rate o	fax and/or e	mail. FPS will be sent a final report each year of any treatment / application for not limited to: date of application,, surveillance data necessitating treatment target area, and size of target requiring treatment. No activities will result in a
	Are records being	kept in acco	rdance with C	Chapter 388, F.S.:
	⊠ Yes	□No		
	Records Location	: Citrus Cour	nty Mosquito	Control District, 968 North Lecanto Highway, Lecanto, Florida 34461
	How long are records maintaine {which is 3 years}	ed according	ned: to guidelines	set forth in Florida Statute 119.01 General State Policy on Public Records

Vegetation Modification:
What trimming or altering of vegetation to conduct surveillance or treatment is proposed? None
Proposed Land Modifications:
Is any land modification, i.e., rotary ditching, proposed: None
Include proposed operational schedules for water fluctuations: None
List any periodic restrictions, as applicable, for example peak fish spawning times. Occasional restriction initiated by District coincides with any hunting season allowed at this location.
Proposed Modification of Aquatic Vegetation: None
Land Manager Comments:
Arthropod Control Agency Comments:
Signature of Lands Manager or Representative Date
X00l (acobson 12-07-2010
Signature of Mosquito Control Director / Manager Date



Florida Department of Agriculture and Consumer Services Division of Agricultural Environmental Services

ARTHROPOD MANAGEMENT PLAN - PUBLIC LANDS

Chapters 388.4111, F.S. and 5E-13.042(4)(b), F.A.C. Telephone: (850) 922-7011

For use in documenting an Arthropod control plan for lands designated by the State of Florida or any political subdivision thereof as being environmentally sensitive and biologically highly productive therein.

Name of Designated Land: Fort Cooper State Park/3100 S. Old Floral City R	toad, Inverness, Citrus C	County Florida 34450	
Is Control Work Necessary:	∕es ☐ No		
Location:			
Isolated pockets of water, low areas and ditches t	hat are temporarily and p	permanently flooded	
Land Management Agency: Florida Park Service (FPS)			v
Are Arthropod Surveillance Activities Necessary? If "Yes", please explain: Inspections of low areas, grassy swales, ditches a Landing rate Counts will be used to determine areas with great utilized to determine mosquito population density	and other water holding s		
			u.
Which Surveillance Techniques Are Proposed? Please Check All That Apply:			
∠ Landing Rate Counts	Light Traps	Sentinel Chickens	
Citizen Complaints	∠ Larval Dips	⊠ Other	
if "Other", please explain: Center for Disease Control Traps (CDC Traps) ma are baited with a miniature light bulb that attracts certain spec proadens the spectrum of mosquitoes	•		

Arthropod Species for Which Control is Proposed: Anopheles crucians, Anopheles quadrimaculatus, Culex Coquillettidia perturbans, Culiseta melanura.	x nigrapalpus,	. Culex erraticu	s, Mansonia titilla	ns, Mansonia dyari,	·
Proposed Larval Control: Water holding sites testing positive for mosquito larvae v	will be treated	using one of th	ne larvicide produ	cts listed below	
Proposed larval monitoring procedure: Potential mosqui gather larvae. If samples are not	ito breeding si	tes will be chec	ked visually and/	or with a 350 mi dippe	er used to
Identifiable in the field a live sample will be delivered to the	ne Sunveillanc	e Coordinator f	or identification de	win to denue and ene	acia
Are post treatment counts being obtained:	Yes	□ No		wit to gorido drid ope	0.0.
Biological Control of Larvae:					
Might predacious fish be stocked:	☐ Yes	⊠ No			
Other biological controls that might be used:		E.m.			
None					
Material to be Used for Larviciding Applications:	F				b
(Please Check All That Apply:)					
⊠ Bti					
⊠ Bs	œ				
☐ Methoprene					
Non-Petroleum Surface Film					
Other, please specify: Spinosad					
Please specify the following for each larvacide:					
Chemical and common name: Bti and Bs are s products are	sold under the	brand names	VectoBac and V	ectolex respectively.	These
applied to a ground corn cob medium to aid in a	application. S	pinosad is solo	d under the brand	l name Natular.	
Ground Aerial					
Rate of application: Bti, Bs, and Natular are app	oled at ten (10)) pounds per a	icre.		

DACS-13668 07/08 Page 2 of 4				
Proposed Adult Mosquito Control: or	Ground adulticidir	ng will occur only at th	e request of the park m	anager and then only in public us
Residential areas in the park.				
Aerial adulticiding	Yes	⊠ No		
Ground adulticiding	X Yes	□ No		
Please specify the following for ear	ch adulticide:			
Chemical or common name: Biom	ist 30/30, Permano	one 30/30 (same acti	ve ingredient,	
different manufacturer). Duet, Anvi	l 10/10.			
Rate of application: Biomist and Pe	ermanone 0.18 fl.c	oz./acre. Duet 0.62 fl.	oz/acre, Anvil 0.42 fl.oz	z./acre
Method of application: All-terrain ve ATV's and trucks will operate on pa	ahicles, trucks equi aved or service roa	ipped with ultra-low vo ads only.	olume sprayers, back p	ack sprayers, hand-held sprayers
Proposed Modifications for Public this plan during a threat to public or	Health Emergency animal health decl	y Control: Arthropod lared by State Health	control agency may re Officer or Commissione	quest special exception to er of Agriculture.
₽			E .	
Proposed Notification Procedure for	Control Activities:			
Notification will be made by phone, t	ax and/or email pri	ior to treatment.		
Records:				
Are records being kept in a	accordance with C	hapter 388, F.S.:		
⊠ Yes □ No				
Records Location: Citrus C	ounty Mosquito C	ontrol District, 968 No	rth Lecanto Highway, L	ecanto, Florida 34461
How long are records mair State Policy on Public Rec	ntained: Records m ords (which is 3 ye	naintained according tears).	o guidelines set forth in	Florida Statute 119.01 General

Method of application: Powered back-pack applicators and/or manual broadcasting tools and helicopter granular broadcasters.

Vegetation Modification:	
What trimming or altering of vegetation to conduct surveillance None	e or treatment is proposed?
Proposed Land Modifications:	
Is any land modification, i.e., rotary ditching, proposed: None	
Include proposed operational schedules for water fluctuations: None	
List any periodic restrictions, as applicable, for example peak District Coincides with any hunting season allowed at this location None	fish spawning times. Occasional restriction initiated by
Proposed Modification of Aquatic Vegetation: None.	€
Land Manager Comments:	
Arthropod Control Agency Comments: None	
Signature of Lar	Manager or Representative Date

Signature of Mosquito Control Director / Manager

Date



Department of Environmental Protection

Lawton Chiles Governor Marjory Stoneman Douglas Building 3900 Commonwealth Boulevard Tallahassee, Florida 32399-3000

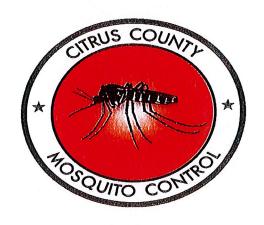
Virginia B. Wetherell Secretary

September 27, 1995

Division of Recreation and Parks
OBJECTION TO PROPOSED PUBLIC LANDS ARTHROPOD CONTROL PLAN

Mosqui	to Contro	l District	Public Land	Parks	District
A	melia Isl	and . Ft	. Clinch State Park		2
Manage enviro §388.4	ement Plan onmentally 1111, Flor nined by t	for the above sensitive and ida Statutes.	re included in a Pro public land, which biologically highly However, only those Recreation and Park	is dete produc checke	rmined to be tive, pursuant to d below are
/*_	Adult sur	veillance (land	ding rate counts, li	ght tra	ps)
			rval dip count - 5-1 nt trigger action)	0 dips	per site and 7-10
		n of environment prological data	ntal information (ra)	infall,	tides, and
BIOLOG	GICAL CONT	ROL OF LARVAE:			
	Stocking	of indigenous p	predacious fishes		
PESTIC	CIDE CONTR	COL OF LARVAE:			
	Ground -	· liquid; BTI	-		
	Ground -	slow-release;	methoprene (Altocid)		
	Ground -	slow release;	temephos (Abate)		
	Ground -	liquid; petrol	eum oil (Golden Bear	`)	
PESTIC	CIDE CONTR	ROL OF ADULTS:			
/ *_	Ground -	ULV; malathion			÷
/* _	Ground -	ULV; permethri:	n/piperonyl butoxide		
WATER	MANAGEMEN	T DITCHES		 +	
	Ditch mai	ntenance		:	· ·

* Treatment is only upon request of the park manager; also, application restricted to occupied public use, residence, and service areas.



FOR STATE LANDS MANAGED BY THE FLORIDA PARKS SERVICE

CITRUS COUNTY MOSQUITO CONTROL DISTRICT

968 North Lecanto Highway

Lecanto, Florida 34461

phone: 352-527-7478

www.citrusmosquito.org

December 2010



Name of Designated Land:

Florida Department of Agriculture and Consumer Services Division of Agricultural Environmental Services

ARTHROPOD MANAGEMENT PLAN - PUBLIC LANDS

Chapters 388.4111, F.S. and 5E-13.042(4)(b), F.A.C. Telephone: (850) 922-7011

For use in documenting an Arthropod control plan for lands designated by the State of Florida or any political subdivision thereof as being environmentally sensitive and biologically highly productive therein.

Name of Designated Land: Ellie Schiller - Homosassa Springs Wildli Florida	ife Stat	e Park / 4150 S.	Suncoast Blvd., Homosa	ssa, Citrus County
Is Control Work Necessary:	Yes	No		
Location: Isolated pockets of water, low areas and ditches	in and a	around the Park.		
Land Management Agency: Florida Park Service (FPS)				
Are Arthropod Surveillance Activities Necessary If "Yes", please explain: Inspection of low areas, grassy swales, ditches adult mosquitoes. Occasionally CDC Traps (exspecies.	and athe	Yes er water holding sit below} may be utili	No es for mosquito breeding and zed to determine mosquito po	landing rate counts for opulation densities and
Which Surveillance Techniques Are Proposed? Please Check All That Apply:				
∠ Landing Rate Counts	L	ight Traps	⊠ Sentinel Chickens	
☑ Citizen Complaints	⊠L	arval Dips	☑ Other	
If "Other", please explain: Center for Disease Control Traps {CDC Traps are baited with a miniature light but	lb that a	ittracts certain spec	ument mosquito population di cies of adult mosquitoes. In a	ensities and species. CDC ddition, the traps are baited

with CO₂ which broadens the spectrum of mosquitoes sampled.

Anopheles cruci	Which Control is Proposed: ians, An. Quadrimaculatus, Culex n rturbans, Culiseta melanura.	igripalpus, C.	erraticus, Mansonia tittilans, Mansonia dyari,
Proposed Larval Cont Water below.	holding sites determined to be bree	eding mosquit	o larvae will be treated using one of the larvicides listed
Proposed larval monitorial gather mosquito larva identification.	oring procedure: Potential mosquito e. If samples are unidentifiable in th	breeding site ne field, a live s	s will be checked visually and/or with a 350 ml dipper used to sample will be delivered to the Surveillance Coordinator for
	ment counts being obtained:	⊠Yes	□No
Biological Control of La	arvae:		
Might predac	cious fish be stocked:	Yes	⊠ No
- ·	cal controls that might be used:		
none			
Material to be Used fo	or Larvaciding Applications:		
(Please Che	ck All That Apply:)		
⊠ Bti			
⊠ Bs			
Methopr	ene		
Non-Pet	roleum Surface Film		
Other, pl	ease specify:		
Chemical ar	ify the following for each larvicide: nd common name: Bti and Bs are s e applied to a ground corn cob med	old under the lium to aid in a	brand names VectoBac and Vectolex respectively. These application.
	Aerial		
Rate of app	lication: Vectobac and Vectolex are	e both applied	d at ten pounds per acre.
Method of a	pplication: powered back-pack appl	licators and/o	r manual broadcasting tools.

DACS-13668 07/08 Page 2 of 4

Proposi	ed Adult Mosquito Control: ential areas in the park.	Ground adulticid	ing will occur only at the request of the park manager and then only in public use
Ji Tesiu	Aerial adulticiding	Yes	⊠ No
	Ground adulticiding	⊠ Yes	□ No
	Please specify the followi		
	Chemical or common nar	me: Biomist 30-30), Permanone 30-30, Duet,
	Anvil 10-10, Zenivex E-2		
	Rate of application: Biom 0.42 fl. oz., Zenivex E-20	nist and Permanor),	ne 0.36 fl. oz. {same product different brand names}, Duet 0.75 fl. oz., Anvil
	Method of application: All powered back-pack sprapaved or service road	yers and powered	trucks and aircraft equipped with ultra low volume {u.l.v.} spray platforms, I hand-held sprayers will be utilized. All equipment will be operated along
Propos this pla	ed Modifications for Public n during a threat to public o	: Health Emergen r animal health de	cy Control: Arthropod control agency may request special exception to eclared by State Health Officer or Commissioner of Agriculture.
	the control of mosquitoes. Description of the control of mosquitoes. It is in the control of the	phone, fax and/or Details will include b nclude rate of appl	s: 'e mail. FPS will be sent a final report each year of any treatment / application for but are not limited to: date of application,, surveillance data necessitating treatment lication, target area, and size of target requiring treatment. No activities will result in will be made by phone, facsimile and/or e mail
Record	ds:		
	Are records being kept in	n accordance with	Chapter 388, F.S.:
	⊠ Yes □ N	О	
	Records Location: Citrus	s County Mosquito	o Control District, 968 North Lecanto Highway, Lecanto, Florida 34461
	How long are records m records maintained account (which is 3 years).	aintained: ording to guideline	es set forth in Florida Statute 119.01 General State Policy on Public Records

Vegetation Modification:
What trimming or altering of vegetation to conduct surveillance or treatment is proposed? None
Proposed Land Modifications:
Is any land modification, i.e., rotary ditching, proposed: None
Include proposed operational schedules for water fluctuations: None
List any periodic restrictions, as applicable, for example peak fish spawning times. Occasional restriction initiated by District coincides with any hunting season allowed at this location.
Proposed Modification of Aquatic Vegetation: None
Land Manager Comments:
Arthropod Control Agency Comments:
Signature of Lands Manager or Representative Date
Signature of Mosquito Control Director / Manager Date

January 28, 1991

Mr. Paul R. Simmonds
Jacksonville Mosquito Control
1321 Eastport Road
Jacksonville, Florida 32218

Dear Mr. Simmonds:

Thank you for the application to update your Arthropod Management Plan for Little Talbot Island State Park. It appears to be very similar to your existing arrangement, and we have approved it (attached). As indicated in the Plan, all adulticiding is at the request of the Park manager unless a medical emergency has been declared by the State Epidemiologist.

As in the past, we would also appreciate your limiting any control activities to only those needed to solve a documented problem.

Again, we appreciate your assistance. If you have any questions or concerns, please let me know.

Sincerely,

Edwin W. Irby, Jr. Chief, Office of Fisheries Management & Assistance Services

EWI/eaj

cc: John Mulrennan Dana Bryan

11/05: Des is not sure what "attached"
was, nor what "existing arrangement"
means if other than the 1987 objection
(also laboral below).

OBJECTION

State Parks

Unit(s)

District

Little Talbot Island S.P. Big Talbot Island S.P. Kingley Plantation S.H.S.

City of Jacksonville

The activities listed below, if checked, are proposed in the plan submitted for arthropod control on environmentally sensitive and biologically highly productive lands. They are unacceptable for subject properties.

Unaccepta	able Activities				
<u>X</u>	Aerial adulticiding, including incidental deposition.				
X	Application of larvicides or pupacides except for Bacillus thuringiensis israelensis (BTI).				
Х .	Any physical alterations such as, but not limited to: ditches, ponds, dikes, impoundments, or the maintenance of such alterations.				
	Trimming or removal of vegetation.				
<u> </u>	_ Insufficient survelliance prior to proposed activity.				
	Described activity so general we cannot tell how parcel would be affected.				
	No plan received.				
The acti	vities listed below would be acceptable:				
X	Use of Bacillus thuringiensis israelensis (BTI).				
X	Upon request of park manager, ground adulticiding in occupied public use and service areas.				

X Placement of larvae eating native fishes such as Gambusia.

LEVY COUNTY MOSQUITO CONTROL

P. O. Box 248

BRONSON, FLORIDA 32621

Phone (904) 486-2345

April 14, 1987

Arthropod Control Plans for Manatee Springs Park in Levy County, Florida. Parcel #5

The Manatee Springs State Park is located in the Northwest area near Chiefland in Levy County, Florida. Parcel #5

Arthropod Control is not done within the boundaries of the Park. Control in surrounding populated area's is obtained by larviciding with Altosid Briquets and ground Adulticiding with 91% Malathion at a rate of 24 oz. per mile or 240 oz. per hour.

There are no permament control projects located on the State Park property.

By: King Mark
Jerry Ward, Director

JW/fe

LEVY COUNTY MOSQUITO CONTROL

P. O. Box 248

BRONSON, FLORIDA 32621

Phone (904) 486-2345

April 14, 1987

Arthropod Control Plans for the Waccasassa Bay State Reserve in Levy County, Florida. Parcel #6

The Waccasassa Bay State Reserve is located entirely on the coastline from Yankeetown to approximately $1\frac{1}{2}$ miles Southeast of State Road 24 near Cedar Key.

There are no permament control projects located within the boundaries of the Reserve.

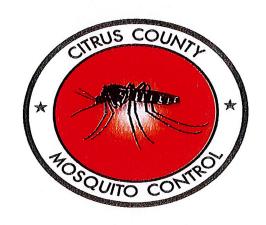
Control consists of larviciding with altosid briquets and ground adulticiding with 91% Malathion at a rate of 24 ozs. per mile or 240 ozs. per hour.

Adulticiding is done in sparsely populated areas on the Northwest side of Yankeetown and at a County Park at the end of Levy County Road 326 near the Waccasassa River.

Some control work is also carried out in surrounding areas between the County Park and the community of Gulf Hammock.

By: Lyny Mark Jefry Ward, Director

JW/fe



FOR STATE LANDS MANAGED BY THE FLORIDA PARKS SERVICE

CITRUS COUNTY MOSQUITO CONTROL DISTRICT

968 North Lecanto Highway

Lecanto, Florida 34461

phone: 352-527-7478

www.citrusmosquito.org

December 2010



Florida Department of Agriculture and Consumer Services Division of Agricultural Environmental Services

ARTHROPOD MANAGEMENT PLAN - PUBLIC LANDS

Chapters 388.4111, F.S. and 5E-13.042(4)(b), F.A.C. Telephone: (850) 922-7011

For use in documenting an Arthropod control plan for lands designated by the State of Florida or any political subdivision thereof as being environmentally sensitive and biologically highly productive therein.

Name of Designated Land: Yulee Sugar Mill Ruins State Historical Site c/o	o: 3400 N	N. Museum Pt., C	Crystal River, Citrus County Florida 34428
Is Control Work Necessary:] Yes	No	
Location: Isolated pockets of water, low areas and ditche	es in and a	round the Ruins.	
Land Management Agency: Florida Park Service (FPS)			
Are Arthropod Surveillance Activities Necessar If "Yes", please explain: Inspections of low areas, grassy swales, ditche adult mosquitoes. Occasionally CDC Traps (especies.	oo and ath	or water holding site	No es for mosquito breeding and landing rate counts for ed to determine mosquito population density and
Which Surveillance Techniques Are Proposed Please Check All That Apply:	1?		
□ Landing Rate Counts	☐ Lig	ght Traps	Sentinel Chickens
⊠ Citizen Complaints	⊠ La	arval Dips	Other Other Other Other Other Other Other Other Other Other
If "Other", please explain: Center for Disease Control Traps {CDC Traps are baited with a miniature light b CO ₂ which broadens the spectrum of m	oulb that at	tracts certain specie	ment mosquito population densities and species. CDC es of mosquitoes. In addition, the traps are baited with

Anopl	pecies for Which Coneles crucians, An. orbans, Culiseta mel	quadrimaculatus, Culex nાલ્	gripalpus, C.	erraticus, Mansonia titilans, Mansonia dyari, Coquillettidia
Wa belo	OW.			e will be treated using one or more of the larvicides listed
gather larva	arval monitoring produce. If samples are no nus and specie.	cedure: Potential mosquito ot identifiable in the field a li	breeding sites ve sample wil	s will be checked visually and/or with a 350 ml dipper used to Il be delivered to the Surveillance Coordinator for identificatior
Are	e post treatment cou	nts being obtained:	⊠Yes	□No
_	control of Larvae:	t e skanlandi	∏Yes	⊠ No
·	ght predacious fish her biological contro	be stocked: ols that might be used:	res	∑ 140
00	none			
Material to	be Used for Larvicio	ling Applications:		
(P	lease Check All Tha	at Apply:)		
\boxtimes] Bti			
\boxtimes] Bs			
] Methoprene			
] Non-Petroleum Su	urface Film		
	Other, please spe	cify:		•
PI	lease specify the fol	llowing for each larvicide:		
C ap	hemical or Commor oplied to ground up	n name: Bti and Bs are bra corn cob medium to allow	nd names for for easier dist	· Vectobac and Vectolex respectively. The active ingredient itribution.
D	☑ Ground	Aerial		
R	ate of application: V	ectobac and Vectolex are	applied at ter	n pounds per acre.
				r manual broadcasting tools.

Proposed Ause or reside	dult Mosquito Control: Greential areas in the park.	ound adulticidi	ing will occur only at the request of the park manager and then only in public
Aer	ial adulticiding	Yes	⊠ No
Gro	ound adulticiding	⊠ Yes	□ No
Ple	ase specify the following fo	or each adultic	ide:
Ch	emical or common name: I	Biomist 30-30,	Permanone 30-30 {same active
ing	redient, different manufact	urer}, Duet, A	Anvil 10-10 , Zenivex E-20 .
Ra Zei	te of application: Biomist a nivex 0.27 fl. oz.	nd Permanon	e 0.36 fl. oz. /acre, Duet 0.75 fl.oz. /acre, Anvil 0.42 fl. oz. /acre,
Me vol	thod of application: All-terroume {u.l.v.} spray systems	ain vehicles, tr will be utilized	ucks, powered back-pack and hand-held sprayers equipped with ultra low
Proposed N this plan du	flodifications for Public Hearing a threat to public or ani	alth Emergenc imal health dec	ey Control: Arthropod control agency may request special exception to clared by State Health Officer or Commissioner of Agriculture.
Notif	le about each treatment, da	ne, facsimile a ate of applicatio	: nd/or e mail. FPS will be sent a final report each year. The report will include on, surveillance results necessitating application, methods used, materiel used, vill result in a report of "no activity" for the year.
Records:			
Ar	e records being kept in acc	cordance with	Chapter 388, F.S.:
×] Yes		
R	ecords Location: Citrus Co	unty Mosquito	Control District, 968 North Lecanto Highway, Lecanto, Florida 34461
R	ow long are records mainta ecords maintained accordi which is 3 years}.	ained: ng to guideline	es set forth in Florida Statute 119.01 General State Policy on Public Records

Vegetation Modification:
What trimming or altering of vegetation to conduct surveillance or treatment is proposed? None
The state of the s
Proposed Land Modifications:
Is any land modification, i.e., rotary ditching, proposed: None
Include proposed operational schedules for water fluctuations: None
List any periodic restrictions, as applicable, for example peak fish spawning times. Occasional restriction initiated by District coincides with any hunting season allowed at this location.
Proposed Modification of Aquatic Vegetation: None
Land Manager Comments:
Arthropod Control Agency Comments:
Signature of Lands Manager or Representative Date
Signature of Mosquito Control Director / Manager Date