

Anastasia Mosquito
Control District
of St. Johns County



District Board Meeting
JUNE 20, 2019
Thursday at
5:00 P.M



**ANASTASIA MOSQUITO CONTROL DISTRICT
ST. JOHNS COUNTY**

PROPOSED AGENDA

Thursday, June 20, 2019

5:00 P.M.

Invocation and Pledge: Commissioner Howell

Consent Items: APPROVAL OF:

1. Treasurer's Report
2. Vouchers (*Cancelled Checks*)
3. Chemical Inventory
4. Minutes: Regular Board Meeting, May 9, 2019 at 5:00 P.M.
5. Revised Job Description for Entomologist & Scientific Manager
6. Arthropod Management Plan Renewal for Anastasia State Park
7. St. Johns River Water Management Plan Renewal
8. Budget Amendments ~ \$64,379.36 (from Receipts - *Interest, Grants, Misc.*; to Expenditures - *Personal Services & Benefits, Operating, Travel & Per Diem, Fleet Ins. and Training*)

Unfinished Business:

1. 8 Acre Parcel & Research Property Construction Project Update ~ *Mr. Bill Youker, V.P., Harrell Construction Company, Inc. (10 min)*
2. Aircraft Progress Update & Approval of Hiring Aircraft Mechanic ~ *Mr. Peter Paul Leone (10 min)*
3. AMCA Washington, DC, Legislation Conference (May 14-15, 2019) Report ~ *Commissioner Jeanne Moeller (5 min)*
4. Legislative Session Report on Items pertaining to Special Districts and/or Mosquito Control ~ *Mr. Wayne Flowers, Lewis Longman, & Walker, PA (5 min)*

New Business:

1. National Mosquito Control Awareness Weeks Plan and Open House Update Reports ~ *Mr. Edward Zeszutko, Education Specialist (15 min)*
2. AMCD & DOH Collaboration Meeting & Education Committee Meeting ~ *Commissioner Trish Becker (5 min)*
3. FY 19/20 Draft Budget Discussion ~ *Board Members and Dr. Rui-De Xue (20 min)*
PLEASE BRING YOUR DRAFT BUDGET BOOKS

Reports

1. Director
2. Attorney

Commissioner Comments:

Attachments: FOR INFORMATION PURPOSES ONLY

1. None

CONSENTS

ANASTASIA MOSQUITO CONTROL DISTRICT OF ST. JOHNS COUNTY

TREASURER'S REPORT

May 2019 Reconcile

Report for June, 2019 Meeting

Cash Balances Ending: 5/31/19

Local Fund	\$	2,013,760.64
S.B.A. Fund	\$	5,807,482.19
Total Funds as of 05/31/19	\$	7,821,242.83

Source of Income Local/ SBA Fund: 5/31/19

Taxes	\$	-	Gross before Tax Collector Commission, 2%
Prior Year Tax Distrib.	\$	-	
SBA Fund- Return on Investment	\$	12,704.34	
Local Fund, Interest	\$	-	
Grant Money	\$	49,500.00	Quasar, DNW Global, Thermacell, Lamplight Farms Grant Money.
Surplus/ Misc.	\$	1,068.00	
Total Deposits by 05/31/19	\$	63,272.34	

CHEMICAL & INSECTICIDE INVENTORY

Report for June, 2019 Meeting

Summary

VOUCHERS PRESENTED

Report for June, 2019 Meeting

Local Fund several

Anastasia Mosquito Control District
VOUCHERS (Electronic Bill Pay & Canceled Checks)
 From 05/01/19 through 05/31/19

Date	Num	Name	Memo	Clr	Amount	Balance
110 - Wells Fargo Bank - Local						2,304,036.02
110-A - QuickBooks Bill Pay						-8,224,029.84
05/03/2019	6674	Guardian	Group ID#0...	X	-362.37	-8,224,392.21
05/07/2019	6675	Advanced Dispo...	PW004328	X	-152.79	-8,224,545.00
05/07/2019	6676	All Pro Vector	Cust#ANA3...	X	-13,800.00	-8,238,345.00
05/07/2019	6677	Big Bend Chevr...	Chevy Equi...	X	-20,240.00	-8,258,585.00
05/07/2019	6678	Clean Harbors ...	AN1216	X	-811.91	-8,259,396.91
05/07/2019	6679	Dollar General ...	ACCT#10813	X	-51.25	-8,259,448.16
05/07/2019	6680	FedEx	Acct#1668-...	X	-688.44	-8,260,136.60
05/07/2019	6681	Hagan Ace Mg...	ACCT#704...	X	-43.95	-8,260,180.55
05/07/2019	6682	Legal Shield	Group#014...	X	-57.80	-8,260,238.35
05/07/2019	6683	Rays Tire & Srv...	Acct#5125...	X	-1,239.96	-8,261,478.31
05/07/2019	6684	St. Johns Count...	500562-12...	X	-349.18	-8,261,827.49
05/13/2019	6685	AFLAC	HZQ29	X	-72.72	-8,261,900.21
05/13/2019	6686	Augustine Alar...	18081	X	-144.97	-8,262,045.18
05/13/2019	6687	Mobisoft Infotech	VCMS Dev...	X	-1,520.00	-8,263,565.18
05/13/2019	6688	TPH The Parts ...	23256	X	-296.44	-8,263,861.62
05/13/2019	6689	Univar USA Inc.	CUST#400...	X	-2,257.20	-8,266,118.82
05/13/2019	6690	L.V. Hiers, Inc.	Cust#ANA...	X	-7,390.31	-8,273,509.13
05/14/2019	6691	Reb Technologi...	Acct #11336	X	-36,970.00	-8,310,479.13
05/15/2019	6692	DiscoverTec	ANAS001	X	-187.50	-8,310,666.63
05/15/2019	6693	FPL - EOC DR-...	54682-33191	X	-1,204.95	-8,311,871.58
05/15/2019	6694	FPL - EOC DR - ...	37751-46008	X	-498.81	-8,312,370.39
05/15/2019	6695	Isolair Helicopte...	AMCD Heli	X	-60.86	-8,312,431.25
05/15/2019	6696	The Home Depot	603532250...	X	-117.01	-8,312,548.26
05/15/2019	6697	Univar USA Inc.	CUST#400...	X	-1,710.00	-8,314,258.26
05/16/2019	6698	Tomlinson Aviat...	Maintenance	X	-255.00	-8,314,513.26
05/16/2019	6699	Advance Auto P...	9530571521	X	-145.48	-8,314,658.74
05/16/2019	6701	Cintas Corporati...	280-01247	X	-419.42	-8,315,078.16
05/16/2019	6702	Comcast Busine...	906116964	X	-365.19	-8,315,443.35
05/16/2019	6703	Florida Pest Co...	AMCD	X	-33.08	-8,315,476.43
05/23/2019	6704	A/C Designs	0034549	X	-218.00	-8,315,694.43
05/23/2019	6711	Cintas Fire Prot...	Cust 28987	X	-875.00	-8,316,569.43
05/23/2019	6705	COMCAST TV-I...	8495-74-31...	X	-347.83	-8,316,917.26
05/23/2019	6706	DiscoverTec	ANAS001	X	-50.00	-8,316,967.26
05/23/2019	6707	JSC Systems	AM006	X	-406.00	-8,317,373.26
05/23/2019	6708	Lewis Longman ...	ID#4370-001	X	-1,250.00	-8,318,623.26
05/23/2019	6709	Sigma-Aldrich Inc.	CUST#496...	X	-357.26	-8,318,980.52
05/23/2019	6710	St. John's Count...	VOID: # FL...	X	0.00	-8,318,980.52
05/24/2019	6712	Blue Cross Blue...	A5658	X	-25,036.18	-8,344,016.70
05/24/2019	6713	Guardian	Group ID#0...	X	-382.11	-8,344,398.81
05/24/2019	6714	United Concordia	Recipient 0...	X	-1,354.50	-8,345,753.31
05/29/2019	6715	Bank of America	4356 2200 ...	X	-8,390.06	-8,354,143.37
05/31/2019	6716	Fisher Scientific	ACCT#869...	X	-16.05	-8,354,159.42
05/31/2019	6717	Staples Credit P...	601110001...	X	-106.74	-8,354,266.16
05/31/2019	6718	Walmart Comm...	6032 2020 ...	X	-119.43	-8,354,385.59
Total 110-A - QuickBooks Bill Pay					-130,355.75	-8,354,385.59
110 - Wells Fargo Bank - Local - Other						10,528,065.86
05/01/2019	9-#4...	VyStar Credit U...	J/E to Bala...	X	4,212.59	10,532,278.45
05/01/2019	Dire...	Don Girvan		X	-100.00	10,532,178.45
05/01/2019	Dire...	Gary Howell		X	-100.00	10,532,078.45
05/01/2019	Dire...	Gina LeBlanc		X	-100.00	10,531,978.45
05/01/2019	Dire...	Jeanne Moeller		X	-100.00	10,531,878.45
05/01/2019	Dire...	Panagiota Becker		X	-100.00	10,531,778.45
05/01/2019			Deposit	X	388.10	10,532,166.55
05/01/2019	Dire...	Ruide Xue		X	-500.00	10,531,666.55
05/02/2019	9-#4...	Payroll	Taxes With...	X	-12,650.36	10,519,016.19
05/02/2019	9-#4...	Payroll	Bank Acco...	X	-1,684.39	10,517,331.80
05/02/2019	9-#4...	Payroll	Credit Union	X	-718.39	10,516,613.41
05/02/2019	9-#4...	Payroll	Net Pay to ...	X	-36,710.09	10,479,903.32
05/02/2019	7418	Nationwide Retir...	Entity Code...	X	-970.00	10,478,933.32
05/02/2019	7419	US Department ...	Tracing# 10...	X	-138.79	10,478,794.53
05/03/2019		QUICKBOOKS ...		X	-20.85	10,478,773.68
05/03/2019		QUICKBOOKS ...		X	-15.95	10,478,757.73
05/06/2019	9-#4...	Florida Retirem...	FRS April 2...	X	-14,216.01	10,464,541.72
05/07/2019			Deposit	X	1,368.00	10,465,909.72
05/07/2019	7420	Quality Hardwar...	65874	X	-8,986.75	10,456,922.97

Anastasia Mosquito Control District
VOUCHERS (Electronic Bill Pay & Canceled Checks)
 From 05/01/19 through 05/31/19

Date	Num	Name	Memo	Clr	Amount	Balance
05/09/2019			Deposit	X	9,399.57	10,466,322.54
05/09/2019	Dire...	Ruide Xue		X	-174.00	10,466,148.54
05/10/2019	Dire...	Jeanne Moeller		X	-257.09	10,465,891.45
05/13/2019	7421	Florida U.C. Fund	UT ACCT#...	X	-2,352.42	10,463,539.03
05/13/2019	Dire...	Gregory Allen D...	April 2019 ...	X	-1,560.00	10,461,979.03
05/13/2019		wells Fargo		X	-48.40	10,461,930.63
05/16/2019	Dire...	Dena Autry	428	X	-20.00	10,461,910.63
05/16/2019			Deposit	X	7,500.00	10,469,410.63
05/16/2019	Dire...	Caroline Efstathi...		X	-20.00	10,469,390.63
05/16/2019	Dire...	James Wynn		X	-40.00	10,469,350.63
05/16/2019	Dire...	Nick Acevedo		X	-20.00	10,469,330.63
05/16/2019	7426	Oldcastle Precast	003972		-12,696.00	10,456,634.63
05/16/2019	7427	Quality Hardwar...	65874		-1,088.15	10,455,546.48
05/16/2019	7428	Stan Weaver & ...	4624		-405.00	10,455,141.48
05/16/2019	7429	World Electric S...	Work done ...		-3,825.00	10,451,316.48
05/16/2019	6700	Aztec Office of ...	015791	X	-542.38	10,450,774.10
05/17/2019	9-#4...	Payroll	Taxes With...	X	-12,852.58	10,437,921.52
05/17/2019	9-#4...	Payroll	Bank Acco...	X	-1,684.39	10,436,237.13
05/17/2019	9-#4...	Payroll	Credit Union	X	-718.39	10,435,518.74
05/17/2019	9-#4...	Payroll	Net Pay to ...	X	-37,575.70	10,397,943.04
05/20/2019	7422	Nationwide Retir...	Entity Code...		-970.00	10,396,973.04
05/20/2019	7423	US Department ...	Tracing# 10...		-138.79	10,396,834.25
05/22/2019	Dire...	Vindhya Aryapr...		X	-3,000.00	10,393,834.25
05/24/2019			Deposit	X	32,000.00	10,425,834.25
05/30/2019	Dire...	Peter P. Leone III		X	-130.00	10,425,704.25
05/31/2019	9-#4...	Payroll	Taxes With...	X	-13,836.74	10,411,867.51
05/31/2019	9-#4...	Payroll	Bank Acco...	X	-1,684.39	10,410,183.12
05/31/2019	9-#4...	Payroll	Credit Union	X	-718.39	10,409,464.73
05/31/2019	9-#4...	Payroll	Net Pay to ...	X	-40,736.19	10,368,728.54
05/31/2019	7424	Nationwide Retir...	Entity Code...		-970.00	10,367,758.54
05/31/2019	7425	US Department ...	Tracing# 10...		-138.79	10,367,619.75
05/31/2019	9-#4...	Hitoshi Kawada	Restoring V...	X	248.90	10,367,868.65
05/31/2019	9-#4...	US Department ...	Restoring V...	X	277.58	10,368,146.23
Total 110 · Wells Fargo Bank - Local - Other					-159,919.63	10,368,146.23
Total 110 · Wells Fargo Bank - Local					-290,275.38	2,013,760.64
TOTAL					-290,275.38	2,013,760.64

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06/06/19

Anastasia Mosquito Control District
Reconciliation Summary
110 - Wells Fargo Bank - Local, Period Ending 05/31/2019

	<u>May 31, 19</u>
Beginning Balance	2,459,439.95
Cleared Transactions	
Checks and Payments - 90 items	-478,765.58
Deposits and Credits - 13 items	55,394.74
Total Cleared Transactions	<u>-423,370.84</u>
Cleared Balance	<u>2,036,069.11</u>
Uncleared Transactions	
Checks and Payments - 12 items	-22,308.47
Total Uncleared Transactions	<u>-22,308.47</u>
Register Balance as of 05/31/2019	<u>2,013,760.64</u>
New Transactions	
Checks and Payments - 14 items	-35,986.81
Total New Transactions	<u>-35,986.81</u>
Ending Balance	<u>1,977,773.83</u>

Anastasia Mosquito Control District Reconciliation Detail

110 - Wells Fargo Bank - Local, Period Ending 05/31/2019

Type	Date	Num	Name	Clr	Amount	Balance
Beginning Balance						2,459,439.95
Cleared Transactions						
Checks and Payments - 90 items						
General Journal	03/13/2019	9-#423	US Department of E...	X	-138.79	-138.79
General Journal	03/13/2019	9-#422	US Department of E...	X	-138.79	-277.58
General Journal	03/25/2019	9-#421	Hitoshi Kawada	X	-248.90	-526.48
Bill Pmt -Check	03/28/2019	7404	Jerry Stalvey's BBQ	X	-1,260.00	-1,786.48
Bill Pmt -Check	04/23/2019	7409	Gunter Muller	X	-2,006.24	-3,792.72
Bill Pmt -Check	04/24/2019	6660	COMCAST TV-Inter...	X	-347.82	-4,140.54
Bill Pmt -Check	04/24/2019	7411	US Department of E...	X	-138.79	-4,279.33
General Journal	04/25/2019	9-#418	VyStar Credit Union	X	-4,212.59	-8,491.92
Bill Pmt -Check	04/29/2019	7416	Harrell Construction ...	X	-105,045.23	-113,537.15
Bill Pmt -Check	04/29/2019	Direct ...	Aaron Trudell	X	-195.00	-113,732.15
Bill Pmt -Check	04/30/2019	6667	Blue Cross Blue Shi...	X	-24,509.31	-138,241.46
Bill Pmt -Check	04/30/2019	6666	Bank of America	X	-13,360.14	-151,601.60
Bill Pmt -Check	04/30/2019	7417	Noland Company	X	-1,640.00	-153,241.60
Bill Pmt -Check	04/30/2019	6668	Commercial Environ...	X	-327.81	-153,569.41
Bill Pmt -Check	05/01/2019	Direct ...	Ruide Xue	X	-500.00	-154,069.41
Bill Pmt -Check	05/01/2019	Direct ...	Gina LeBlanc	X	-100.00	-154,169.41
Bill Pmt -Check	05/01/2019	Direct ...	Gary Howell	X	-100.00	-154,269.41
Bill Pmt -Check	05/01/2019	Direct ...	Panagiota Becker	X	-100.00	-154,369.41
Bill Pmt -Check	05/01/2019	Direct ...	Don Girvan	X	-100.00	-154,469.41
Bill Pmt -Check	05/01/2019	Direct ...	Jeanne Moeller	X	-100.00	-154,569.41
General Journal	05/02/2019	9-#420	Payroll	X	-36,710.09	-191,279.50
General Journal	05/02/2019	9-#420	Payroll	X	-12,650.36	-203,929.86
General Journal	05/02/2019	9-#420	Payroll	X	-1,684.39	-205,614.25
Bill Pmt -Check	05/02/2019	7418	Nationwide Retirem...	X	-970.00	-206,584.25
General Journal	05/02/2019	9-#420	Payroll	X	-718.39	-207,302.64
Bill Pmt -Check	05/02/2019	7419	US Department of E...	X	-138.79	-207,441.43
Bill Pmt -Check	05/03/2019	6674	Guardian	X	-362.37	-207,803.80
Check	05/03/2019		QUICKBOOKS BILL...	X	-20.85	-207,824.65
Check	05/03/2019		QUICKBOOKS BILL...	X	-15.95	-207,840.60
General Journal	05/06/2019	9-#417	Florida Retirement S...	X	-14,216.01	-222,056.61
Bill Pmt -Check	05/07/2019	6677	Big Bend Chevrolet	X	-20,240.00	-242,296.61
Bill Pmt -Check	05/07/2019	6676	All Pro Vector	X	-13,800.00	-256,096.61
Bill Pmt -Check	05/07/2019	7420	Quality Hardware & ...	X	-8,986.75	-265,083.36
Bill Pmt -Check	05/07/2019	6683	Rays Tire & Srvc Ctr...	X	-1,239.96	-266,323.32
Bill Pmt -Check	05/07/2019	6678	Clean Harbors Env. ...	X	-811.91	-267,135.23
Bill Pmt -Check	05/07/2019	6680	FedEx	X	-688.44	-267,823.67
Bill Pmt -Check	05/07/2019	6684	St. Johns County Uti...	X	-349.18	-268,172.85
Bill Pmt -Check	05/07/2019	6675	Advanced Disposal	X	-152.79	-268,325.64
Bill Pmt -Check	05/07/2019	6682	Legal Shield	X	-57.80	-268,383.44
Bill Pmt -Check	05/07/2019	6679	Dollar General Corp...	X	-51.25	-268,434.69
Bill Pmt -Check	05/07/2019	6681	Hagan Ace Mgmt. C...	X	-43.95	-268,478.64
Bill Pmt -Check	05/09/2019	Direct ...	Ruide Xue	X	-174.00	-268,652.64
Bill Pmt -Check	05/10/2019	Direct ...	Jeanne Moeller	X	-257.09	-268,909.73
Bill Pmt -Check	05/13/2019	6690	L.V. Hiers, Inc.	X	-7,390.31	-276,300.04
Bill Pmt -Check	05/13/2019	7421	Florida U.C. Fund	X	-2,352.42	-278,652.46
Bill Pmt -Check	05/13/2019	6689	Univar USA Inc.	X	-2,257.20	-280,909.66
Bill Pmt -Check	05/13/2019	Direct ...	Gregory Allen Dorsey	X	-1,560.00	-282,469.66
Bill Pmt -Check	05/13/2019	6687	Mobisoft Infotech	X	-1,520.00	-283,989.66
Bill Pmt -Check	05/13/2019	6688	TPH The Parts House	X	-296.44	-284,286.10
Bill Pmt -Check	05/13/2019	6686	Augustine Alarm, Fir...	X	-144.97	-284,431.07
Bill Pmt -Check	05/13/2019	6685	AFLAC	X	-72.72	-284,503.79
Check	05/13/2019		wells Fargo	X	-48.40	-284,552.19
Bill Pmt -Check	05/14/2019	6691	Reb Technologies, I...	X	-36,970.00	-321,522.19
Bill Pmt -Check	05/15/2019	6697	Univar USA Inc.	X	-1,710.00	-323,232.19
Bill Pmt -Check	05/15/2019	6693	FPL - EOC DR-Main...	X	-1,204.95	-324,437.14
Bill Pmt -Check	05/15/2019	6694	FPL - EOC DR - Re...	X	-498.81	-324,935.95
Bill Pmt -Check	05/15/2019	6692	DiscoverTec	X	-187.50	-325,123.45
Bill Pmt -Check	05/15/2019	6696	The Home Depot	X	-117.01	-325,240.46
Bill Pmt -Check	05/15/2019	6695	Isolair Helicopter Sy...	X	-60.86	-325,301.32
Bill Pmt -Check	05/16/2019	6700	Aztec Office of FL (p...	X	-542.38	-325,843.70
Bill Pmt -Check	05/16/2019	6701	Cintas Corporation-...	X	-419.42	-326,263.12
Bill Pmt -Check	05/16/2019	6702	Comcast Business -...	X	-365.19	-326,628.31
Bill Pmt -Check	05/16/2019	6698	Tomlinson Aviation, ...	X	-255.00	-326,883.31
Bill Pmt -Check	05/16/2019	6699	Advance Auto Parts	X	-145.48	-327,028.79
Bill Pmt -Check	05/16/2019	Direct ...	James Wynn	X	-40.00	-327,068.79

Type	Date	Num	Name	Clr	Amount	Balance
Bill Pmt -Check	05/16/2019	6703	Florida Pest Control	X	-33.08	-327,101.87
Bill Pmt -Check	05/16/2019	Direct ...	Nick Acevedo	X	-20.00	-327,121.87
Bill Pmt -Check	05/16/2019	Direct ...	Dena Autry	X	-20.00	-327,141.87
Bill Pmt -Check	05/16/2019	Direct ...	Caroline Efstathion	X	-20.00	-327,161.87
General Journal	05/17/2019	9-#419	Payroll	X	-37,575.70	-364,737.57
General Journal	05/17/2019	9-#419	Payroll	X	-12,852.58	-377,590.15
General Journal	05/17/2019	9-#419	Payroll	X	-1,684.39	-379,274.54
General Journal	05/17/2019	9-#419	Payroll	X	-718.39	-379,992.93
Bill Pmt -Check	05/22/2019	Direct ...	Vindhya Aryaprema	X	-3,000.00	-382,992.93
Bill Pmt -Check	05/23/2019	6708	Lewis Longman & ...	X	-1,250.00	-384,242.93
Bill Pmt -Check	05/23/2019	6711	Cintas Fire Protection	X	-875.00	-385,117.93
Bill Pmt -Check	05/23/2019	6707	JSC Systems	X	-406.00	-385,523.93
Bill Pmt -Check	05/23/2019	6709	Sigma-Aldrich Inc.	X	-357.26	-385,881.19
Bill Pmt -Check	05/23/2019	6705	COMCAST TV-Inter...	X	-347.83	-386,229.02
Bill Pmt -Check	05/23/2019	6704	A/C Designs	X	-218.00	-386,447.02
Bill Pmt -Check	05/23/2019	6706	DiscoverTec	X	-50.00	-386,497.02
Bill Pmt -Check	05/24/2019	6712	Blue Cross Blue Shi...	X	-25,036.18	-411,533.20
Bill Pmt -Check	05/24/2019	6714	United Concordia	X	-1,354.50	-412,887.70
Bill Pmt -Check	05/24/2019	6713	Guardian	X	-382.11	-413,269.81
Bill Pmt -Check	05/29/2019	6715	Bank of America	X	-8,390.06	-421,659.87
Bill Pmt -Check	05/30/2019	Direct ...	Peter P. Leone III	X	-130.00	-421,789.87
General Journal	05/31/2019	9-#420	Payroll	X	-40,736.19	-462,526.06
General Journal	05/31/2019	9-#420	Payroll	X	-13,836.74	-476,362.80
General Journal	05/31/2019	9-#420	Payroll	X	-1,684.39	-478,047.19
General Journal	05/31/2019	9-#420	Payroll	X	-718.39	-478,765.58
Total Checks and Payments					-478,765.58	-478,765.58
Deposits and Credits - 13 Items						
Bill Pmt -Check	03/13/2019	7389	US Department of E...	X		
Bill Pmt -Check	03/13/2019	7386	US Department of E...	X		
Bill Pmt -Check	03/25/2019	7397	Hitoshi Kawada	X		
Bill Pmt -Check	04/25/2019	7415	VyStar Credit Union	X		
Deposit	05/01/2019			X	388.10	388.10
General Journal	05/01/2019	9-#418R	VyStar Credit Union	X	4,212.59	4,600.69
Deposit	05/07/2019			X	1,368.00	5,968.69
Deposit	05/09/2019			X	9,399.57	15,368.26
Deposit	05/16/2019			X	7,500.00	22,868.26
Bill Pmt -Check	05/23/2019	6710	St. John's County T...	X		22,868.26
Deposit	05/24/2019			X	32,000.00	54,868.26
General Journal	05/31/2019	9-#424	Hitoshi Kawada	X	248.90	55,117.16
General Journal	05/31/2019	9-#424	US Department of E...	X	277.58	55,394.74
Total Deposits and Credits					55,394.74	55,394.74
Total Cleared Transactions					-423,370.84	-423,370.84
Cleared Balance					-423,370.84	2,036,069.11
Uncleared Transactions						
Checks and Payments - 12 items						
Bill Pmt -Check	04/25/2019	7414	VyStar Credit Union		-1,834.52	-1,834.52
Bill Pmt -Check	05/16/2019	7426	Oldcastle Precast		-12,696.00	-14,530.52
Bill Pmt -Check	05/16/2019	7429	World Electric Suppl...		-3,825.00	-18,355.52
Bill Pmt -Check	05/16/2019	7427	Quality Hardware & ...		-1,088.15	-19,443.67
Bill Pmt -Check	05/16/2019	7428	Stan Weaver & Com...		-405.00	-19,848.67
Bill Pmt -Check	05/20/2019	7422	Nationwide Retirem...		-970.00	-20,818.67
Bill Pmt -Check	05/20/2019	7423	US Department of E...		-138.79	-20,957.46
Bill Pmt -Check	05/31/2019	7424	Nationwide Retirem...		-970.00	-21,927.46
Bill Pmt -Check	05/31/2019	7425	US Department of E...		-138.79	-22,066.25
Bill Pmt -Check	05/31/2019	6718	Walmart Community		-119.43	-22,185.68
Bill Pmt -Check	05/31/2019	6717	Staples Credit Plan		-106.74	-22,292.42
Bill Pmt -Check	05/31/2019	6716	Fisher Scientific		-16.05	-22,308.47
Total Checks and Payments					-22,308.47	-22,308.47
Total Uncleared Transactions					-22,308.47	-22,308.47
Register Balance as of 05/31/2019					-445,679.31	2,013,760.64

Type	Date	Num	Name	Clr	Amount	Balance
New Transactions						
Checks and Payments - 14 Items						
Bill Pmt -Check	06/05/2019	7430	Aba-Con Aviation S...		-10,830.64	-10,830.64
Bill Pmt -Check	06/05/2019	7431	Avfuel Corporation		-10,329.12	-21,159.76
Bill Pmt -Check	06/05/2019	7432	Ring Power Corpora...		-8,522.00	-29,681.76
Bill Pmt -Check	06/05/2019	7433	World Electric Suppl...		-1,200.00	-30,881.76
Bill Pmt -Check	06/05/2019	6724	Verizon Wireless Ce...		-999.84	-31,881.60
Bill Pmt -Check	06/05/2019	6722	St. Johns County Uti...		-352.73	-32,234.33
Bill Pmt -Check	06/05/2019	6719	AFLAC		-109.08	-32,343.41
Bill Pmt -Check	06/05/2019	6720	Braddock's Small E...		-103.96	-32,447.37
Bill Pmt -Check	06/05/2019	6723	Turner Ace Hardware		-71.75	-32,519.12
Bill Pmt -Check	06/05/2019	6721	Legal Shield		-57.80	-32,576.92
Bill Pmt -Check	06/06/2019	6728	Cintas First Aid & S...		-1,437.04	-34,013.96
Bill Pmt -Check	06/06/2019	6726	American Crossroad...		-1,047.50	-35,061.46
Bill Pmt -Check	06/06/2019	6727	Cintas Fire Protection		-864.95	-35,926.41
Bill Pmt -Check	06/06/2019	6725	AG-PRO Companies		-60.40	-35,986.81
Total Checks and Payments					-35,986.81	-35,986.81
Total New Transactions					-35,986.81	-35,986.81
Ending Balance					<u>-481,666.12</u>	<u>1,977,773.83</u>

Anastasia Mosquito Control District
Reconciliation Summary
115 · SBA, Period Ending 05/31/2019

	<u>May 31, 19</u>
Beginning Balance	5,794,777.85
Cleared Transactions	
Deposits and Credits - 1 Item	<u>12,704.34</u>
Total Cleared Transactions	<u>12,704.34</u>
Cleared Balance	<u>5,807,482.19</u>
Register Balance as of 05/31/2019	5,807,482.19
Ending Balance	5,807,482.19

Anastasia Mosquito Control District

Reconciliation Detail

115 · SBA, Period Ending 05/31/2019

Type	Date	Num	Name	Clr	Amount	Balance
Beginning Balance						5,794,777.85
Cleared Transactions						
Deposits and Credits - 1 item						
Deposit	05/31/2019			X	12,704.34	12,704.34
Total Deposits and Credits					12,704.34	12,704.34
Total Cleared Transactions					12,704.34	12,704.34
Cleared Balance					12,704.34	5,807,482.19
Register Balance as of 05/31/2019					12,704.34	5,807,482.19
Ending Balance					12,704.34	5,807,482.19



State Board of Administration
Local Government Surplus Funds Trust Fund
Participant Statement

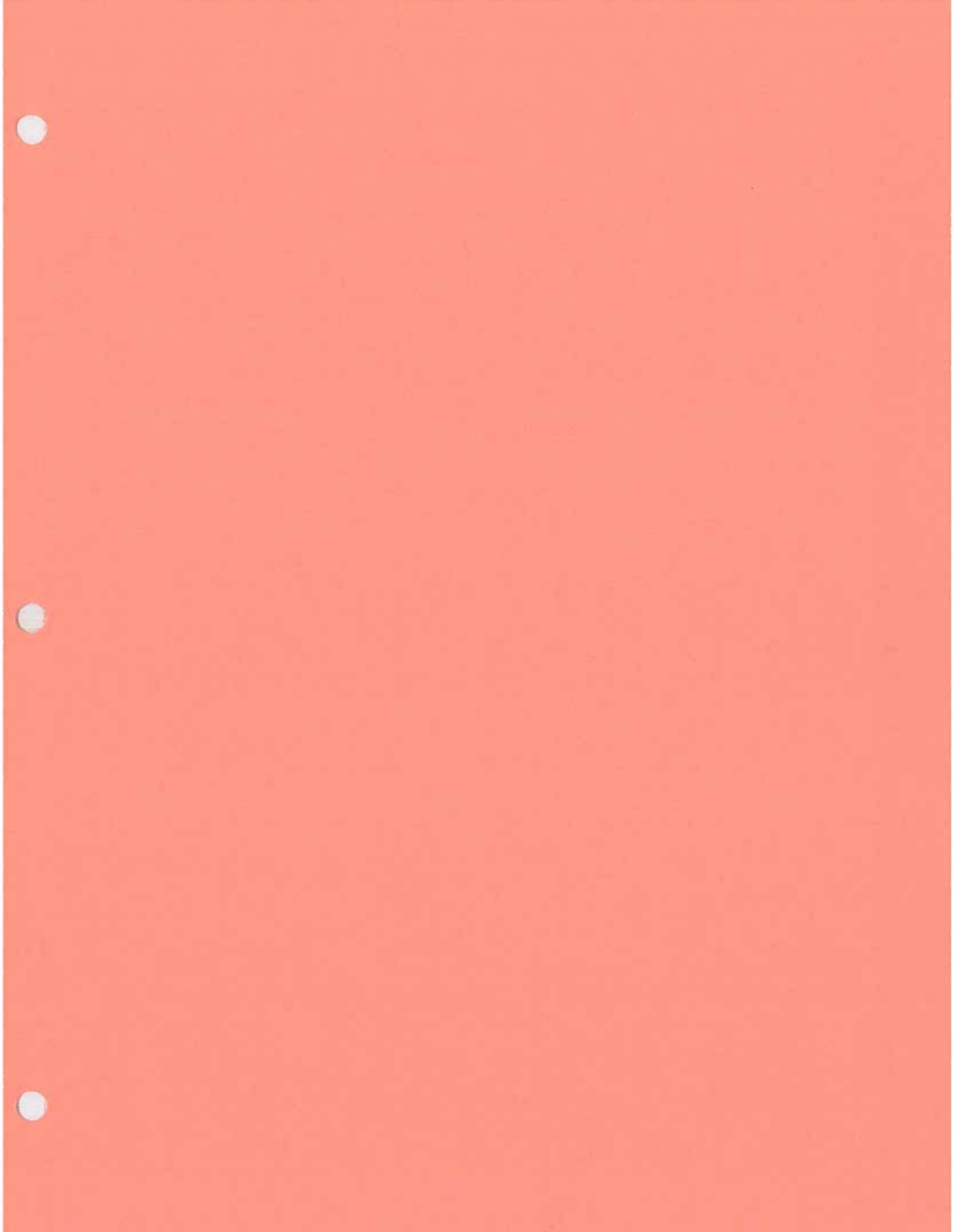
AGENCY ACCOUNT 101071
05/01/2019 - 05/31/2019

Page 1 of 1

ANASTASIA MOSQUITO CONTROL DIS
OF ST JOHNS COUNTY
120 EOC DRIVE
ST. AUGUSTINE, FL 32092

Participant Return 05/31/2019 : 2.58 %

<u>Date</u>	<u>Transaction Type</u>	<u>Description</u>	<u>Amount</u>	<u>Balance</u>
05/01/2019	BEGINNING BALANCE			5,794,777.85
05/31/2019	EARNED INCOME	INTEREST	12,704.34	5,807,482.19
	Totals:		12,704.34	5,807,482.19



ANASTASIA MOSQUITO CONTROL DISTRICT OF ST. JOHNS COUNTY
CHEMICAL & FUEL INVENTORY
 MONTH OF APRIL 2019

DISTRICT TOTALS

CHEMICAL DESCRIPTION (Indicate lbs., gals. or ea.)	BEGINNING PHYSICAL COUNT	AMOUNT PURCHASED	TRANSFER IN	TRANSFER OUT	AMOUNT AVAILABLE	AMOUNT USED	ENDING "BOOK" BALANCE	PHYSICAL COUNT	OVER / (UNDER)
ALOTOSID WSP EA.	15,818.00				15,818.00	423.00	15,395.00	15,395.00	0.00
ALOTOSID XR LBS.	276.00	660.00			936.00	41.00	895.00	895.00	0.00
ALOTOSID XRG LBS.	7,440.00				7,440.00	5.00	7,435.00	7,435.00	0.00
AQUABAC XT GALS.	263.00				263.00	21.38	241.62	241.63	0.01
AQUALUER 20-20 GALS.	460.60				460.60	0.00	460.60	460.60	0.00
B. t. i. DUNKS (Dognuts) EA.	237.00				237.00	0.00	237.00	237.00	0.00
COCO BEAR GALS.	172.50				172.50	1.42	171.08	171.08	0.00
DUET GALS.	237.50				237.50	1.50	236.00	233.50	-2.50
MOSQUITOMIST TWO GALS.	451.00				451.00	0.00	451.00	451.00	0.00
NALED GALS.	750.00				750.00	0.00	750.00	750.00	0.00
NATULAR DT EA.	10,440.00				10,440.00	7.00	10,433.00	10,433.00	0.00
STRIKE PELLETS LBS.	44.00				44.00	0.00	44.00	44.00	0.00
SUSTAIN MBG LBS.	540.00	2,000.00			2,540.00	120.00	2,420.00	2,420.00	0.00
TALSTAR/P GALS.	23.73				23.73	1.07	22.66	22.42	-0.24
GASOLINE GALS.	2,964.00				2,964.00	1103.52	1,860.48	1,860.00	-0.48
JETA GALS.	0.00				0.00	0.00	0.00	0.00	0.00
TOTALS	40,117.33	2660.00	0.00	0.00	42,777.33	1724.89	41,052.44	41,049.23	-3.21

BASE= 41,049.23
 Total 41,049.23

DATE: 5/13/19
 DATE: 6/09/19
 DATE: 6/9/19

PREPARED BY: 
 REVIEWED BY: 
 REVIEWED BY: 

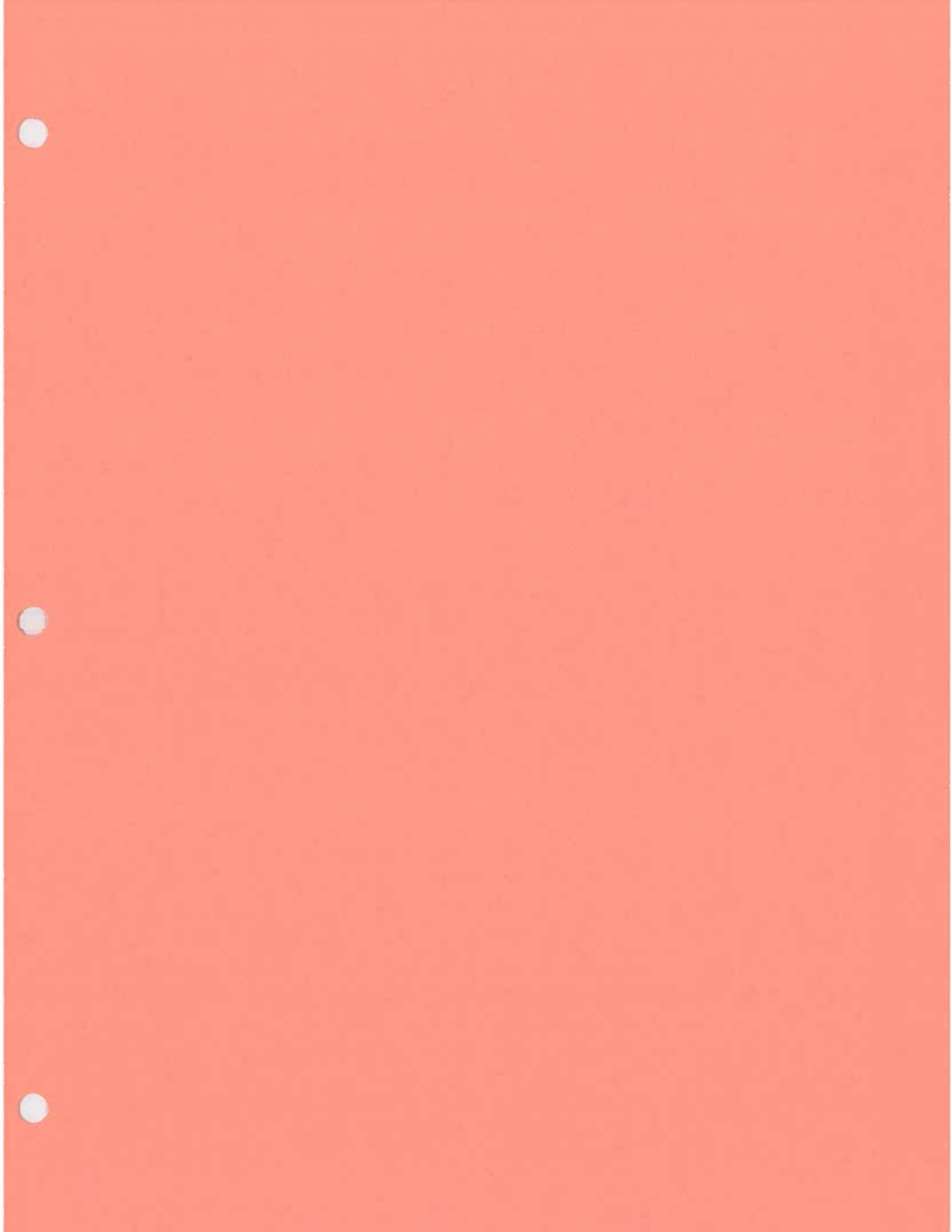
**ANASTASIA MOSQUITO CONTROL DISTRICT OF ST. JOHNS COUNTY
 CHEMICAL & FUEL INVENTORY
 VALUE
 MONTH OF APRIL 2019**

CHEMICAL DESCRIPTION (Indicate lbs., gals. or ea.)	PHYSICAL COUNT	ACTUAL COST PER LB/GAL/EA	TOTAL INVENTORY VALUE	INVOICE DATE	PURCHASED FROM
ALTOSID WSP	EA. 15,395.00	\$0.8100	\$12,469.95	6/22/17	UNIVAR
ALTOSID XR	LBS. 895.00	\$3.42	\$3,060.63	4/26/19	UNIVAR
ALTOSID XRG	LBS. 7,435.00	\$8.7500	\$65,056.25	3/28/19	UNIVAR
AQUABAC XT	GALS. 241.63	\$32.5000	\$7,852.98	9/24/18	ADAPCO
AQUALUER 20-20	GALS. 460.60	\$118.0000	\$54,350.80	7/18/18	ALLPRO
B. I. DUNKS (Dognuts)	EA. 237.00	\$0.9780	\$231.79	7/13/18	ADAPCO
COCO BEAR	GALS. 171.08	\$20.4800	\$3,503.72	7/16/18	CLARKE
DUET	GALS. 233.50	\$197.9900	\$46,230.67	7/11/18	CLARKE
MOSQUITOMIST TWO	GALS. 451.00	\$68.2800	\$30,794.28	8/13/18	CLARKE
NALED	GALS. 750.00	\$211.8400	\$158,880.00	6/18/18	ADAPCO
NATULAR DT	EA. 10,433.00	\$0.4168	\$4,348.47	9/9/16	CLARKE
STRIKE PELLETS	LBS. 44.00	\$184.1500	\$8,102.60	5/10/10	ADAPCO
SUSTAIN MBG	LBS. 2,420.00	\$6.9000	\$16,698.00	4/22/19	ALLPRO
TALSTAR P	GALS. 22.42	\$37.1400	\$832.68	3/29/17	UNIVAR
GASOLINE	GALS. 1,860.00	\$1.9623	\$3,649.88	1/16/19	L. V. HIERS
JET A	GALS. 0.00	\$0.0000	\$0.00		Avtuel
TOTAL	41,049.23	\$893.62	\$416,062.69		

PREPARED BY: [Signature] Werner DATE: 3/13/19

COST FIGURES REVIEWED BY: [Signature] DATE: 10/6/19

REVIEWED BY: [Signature] DATE: 6/27/19



Anastasia Mosquito Control District of St. Johns County

120 EOC Drive, St. Augustine, FL 32092

Telephone: (904)-471-3107 * Fax (904) 471-3189 * Web: www.amcdsjc.org

BOARD OF COMMISSIONERS

Gary Howell, Chairperson
Jeanne Moeller, Vice-Chairperson
Gina LeBlanc, Secretary/Treasurer
Don Girvan, Commissioner
Trish Becker, Commissioner



DISTRICT DIRECTOR

Dr. Rui-de Xue



Thursday, May 09, 2019

Next Meeting(s): Thursday, June 20, 2019 – 5:00 PM

MINUTES

The regular Board meeting for the Anastasia Mosquito Control District of St. Johns County was held on Thursday, May 9, 2019, at 5:00 P.M.

Board members in attendance:

Mr. Gary Howell, Chairperson
Mrs. Gina LeBlanc, Vice-Chairperson
Mrs. Jeanne Moeller, Commissioner
Mr. Don Girvan, Commissioner
Mrs. Trish Becker, Commissioner

Also in attendance:

Dr. Rui-De Xue, Director
Mr. Wayne Flowers, Attorney

Chairperson Howell called the meeting to order.

Commissioner Howell led the invocation and the Pledge of Allegiance to the flag.

ROLL CALL: Chairperson Howell noted ~ All were present

CITIZEN PARTICIPATION: For Items not on the Agenda ~ None

APPROVAL OF AGENDA: Chairperson Howell called for approval of the Agenda.

A. A motion was made to approve the Agenda as presented.

- Motioned by: Commissioner Becker
- Seconded by: Commissioner LeBlanc
- VOTE accepted unanimously by all commissioners
- **MOTION PASSED UNANIMOUSLY**

APPROVAL OF CONSENT AGENDA: Chairperson Howell called for approval of the Consent Agenda.

- A. A motion was made to approve the Consent Agenda as presented.**
- o Motioned by: Commissioner Moeller
 - o Seconded by: Commissioner LeBlanc
 - o VOTE: Accepted unanimously by all commissioners
 - o **MOTION PASSED UNANIMOUSLY**

Consent Items ~ APPROVAL OF:

1. Treasurer's Report
2. Vouchers (*Cancelled Checks*)
3. Chemical Inventory
4. Minutes: Regular Board Meeting – April 11, 2019 at 5:00 PM
5. Independent Contractor Agreements for aircraft mechanics, Mr. Aaron Trudell and Mr. Greg Dorsey
6. Determination of Pilot and Aircraft Mechanic as Safety Sensitive Positions
7. Switch June 13, 2019 Board meeting to June 20, 2019 at 5:00 P.M. (and re-advertise)
8. Commissioners' Moeller and Howell to attend SOVE Annual Meeting in Puerto Rico, September 22-25, 2019
9. MosquitoMate Agreement Amendment (*Item added to Final Agenda*)
10. Budget Amendments ~ \$29,878.04 from Revenues to Expenditures

UNFINISHED BUSINESS:

Item 1: AMCD and PUTNAM COUNTY STAFF MEETING on MOSQUITO CONTROL SERVICE REPORT ~ Commissioner Gary Howell

- Commissioner Howell stated they met with Putnam County staff and since Mr. Gant retired, they don't have anyone handling their mosquito control. They have \$115,000 budget per year, 827 square miles of coverage, and their population is 72,600. Their county administrator wanted us to be their primary mosquito control but they did not give us what their expectations were. Therefore, we need more direction from them to continue discussions. We are waiting on them to contact us on this.
- o **THERE WAS NO MOTION ON THIS ITEM**

Item 2: DISCUSSION and APPROVAL of RENEWAL of AUDITOR CONTRACT (as recommended by Auditor Committee) and COMMITTEE MEETING REPORT ~ Commissioner Don Girvan

- Commissioner Girvan stated the committee met on April 23rd and discussed the auditor contract renewal. All members agreed she has extensive knowledge of the AMCD and its financials and since she has been the successful audit lead since 2003, they recommended renewal of the audit contract with Lombardo Spradley and Klein. He also commented that he and Julieann Klein, Lombardo Spradley Klein, CPA's, agreed that AMCD may need a junior BS Degree accountant in future because our growth and the aerial program, as well as the need to do succession planning.

- A. A motion was made to approve the Auditor's Contract with Julieann Klein, Lombardo Spradley and Klein, as presented.**
- o Motioned by: Commissioner Girvan
 - o Seconded by: Commissioner Moeller
 - o VOTE: Accepted unanimously by all commissioners
 - o **MOTION PASSED UNANIMOUSLY**

NEW BUSINESS

Item 1: OPERATIONS COMMITTEE MEETING REPORT (4-29-19) ~ Commissioner Gary Howell

- Commissioner Howell stated; the Operations Committee met on April 29th and that they discussed the future aerial program, of which he is in favor of, and the needs lists for FY 19/20. He distributed a handout on some of the operations needs list and Dr. Xue stated the full needs list is in the front pocket of the Draft Budget Book that was put on the table for the Board to review for the June Board meeting.
 - **THERE WAS NO MOTION ON THIS ITEM**

Item 2: PLANNING COMMITTEE MEETING REPORT (5-1-19) ~ Commissioner Gina LeBlanc

- Commissioner LeBlanc stated; the Planning Committee met on May 1st and discussed the finishing touches on the research property: the green houses slab should be poured in approximately a month, the screened enclosures are complete, the chicken house ventilation is in the works, along with finishing some cages, aerial modifications approved, and discussion on the museum ~ will have succession, history, mosquito biology, disease vectors, technology from past and present, as well as mosquitoes and the building will be 4000 square feet. The program review, which will be done in 2020, will highlight our mosquito control strengths and weaknesses and the budget for it will be \$12,000. We are applying for Good Lab Practices Certificate, which gives more opportunity for testing and partnerships. Dr. Xue stated that the museum will be for public education and there will be no fee for local residents and others will be charged \$4-5 each. The inside of the museum will be funded through donations and grants.
 - **THERE WAS NO MOTION ON THIS ITEM**

Item 3: DISCUSSION and APPROVAL of COLLABORATION with DOD to DEVELOP EVIDENCE BASED ACTION THRESHOLDS for MOSQUITO CONTROL ~ Dr. Rui-De Xue

- Dr. Xue stated that during the Workshop two doctors discussed wanting to go into collaboration with AMCD on when and how we use pesticides. The funding will be used to hire a Biologist and a biological technician for the two to three year project and they will produce a book within the two to three years. He stated he would like the Board to approve this and then they will bring the contract back to the Board to approve.
 - A. **A motion was made to approve the collaboration with DOD to develop evidence based action thresholds for mosquito control, as presented.**
 - Motioned by: Commissioner Moeller
 - Seconded by: Commissioner LeBlanc
 - VOTE: Accepted unanimously by all commissioners
 - **MOTION PASSED UNANIMOUSLY**

REPORTS:

1. **Director** ~ Dr. Xue; there are two chicken sites, CR210 and here at AMCD, that have had chickens test positive for EEE. We will take action quickly for these areas. April was dry but the last few days there has been more rain and this week the mosquito population has increased. East Flagler has already started air spraying. He will be out May 20th through 31st. One week will be for vacation, the second week will be 40 work hours for the International Conference for Surveillance, as he is the Conference President.

2. **Attorney** ~ Mr. Flowers; with the legislative sessions wrapping up, he will report back to the Board at the June Board meeting on what has passed relative to mosquito control and/or Special Districts.

COMMISSIONER COMMENTS:

Commissioner Becker ~ attendance at the environmental event at Genung's Fish camp that she attended was over 100 people and she received a lot of good feedback from it and she invited them to our Open House in June; April 23rd she attended Otis Mason Student Council Club and spoke on what we do as a District and as Commissioners; is thankful we have a great education program; April 29th she helped cook for the residents of St. Francis House and talked to them about mosquito safety and invited the Board to consider volunteering there. Happy Mother's Day to all moms.

Commissioner LeBlanc ~ thanked the staff for all they do.

Commissioner Moeller ~ the budget for mosquito control moved through the House and Senate at \$2.66 million that includes \$500,000 for IFAS in Vero Beach, FL, the House approved \$3.8 million for IFAS but the Senate approved \$0, so they got nothing. The Legislative Committee is going to make recommendations on how IFAS spends the money and they would like to see an audit with IFAS to see how they use the money, as it is given specifically for mosquito control issues. We need to hire a full time aircraft mechanic now, rather than after October 1st (which is in the budget for FY 19/20 which begins October 1, 2019), as the season will be over by then.

Commissioner Girvan ~ he requested guidance from our attorney, Mr. Flowers, on the succession planning. Mr. Flowers stated this could be assigned to a committee or staff could work on a proposal for this and either one then would be brought back to the board to discuss and develop a policy on this. Mr. Girvan stated we need to address this.

Commissioner Howell ~ attended the Kiwanis club meeting that was held here and he met Mr. Phillips who was a curator for the museum that is off Riberia Street. He is interested in Mr. Pibbs, as Mr. Pibbs was AMCD's first employee and would be a good part of the information for the museum here, as he is part of our history.

ATTACHMENTS: ~

1. None

ADJOURNMENT:

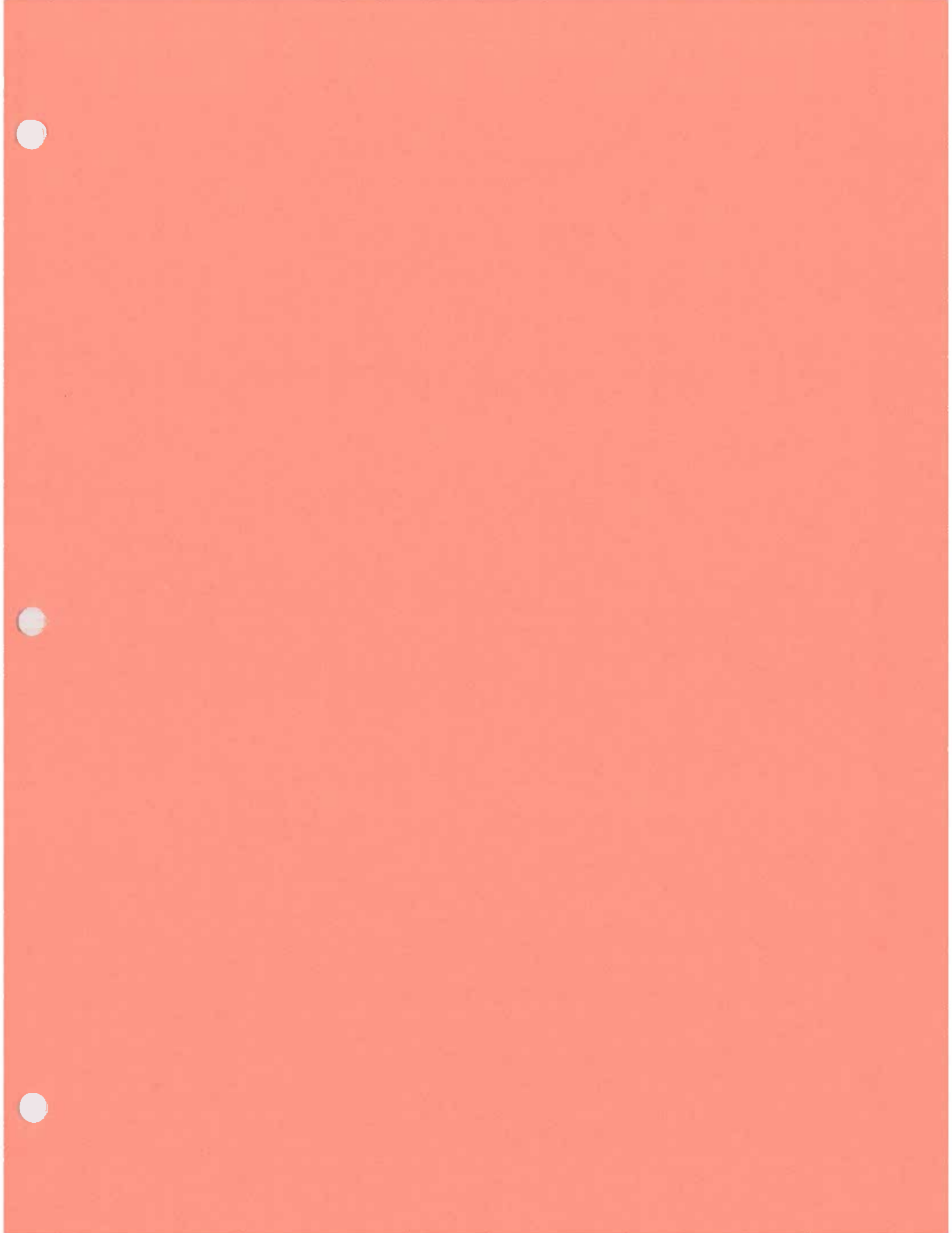
Chairperson Howell adjourned the meeting at 6:10 P.M.

ATTEST

Chairperson, Commissioner Gary Howell

Secretary/Treasurer, Commissioner Gina LeBlanc

These minutes are not intended to be a verbatim transcript of this meeting and could easily be misinterpreted by a reader who was not present. To obtain a full and accurate record of the meeting, an individual should view/listen to the entire proceedings via the District's DVD visual/recording system.



Anastasia Mosquito Control District of St. Johns County

120 EOC Drive, St. Augustine, Florida 32092

PH: (904) 471-3107 • Fax (904) 471-3189 • Web Address: www.amcdsjc.org

MEMO

DISTRICT DIRECTOR

Dr. Rui-de Xue

BOARD OF COMMISSIONERS:

Gary Howell, Chairperson
Jeanne Moeller, Vice-Chairperson
Gina LeBlanc, Secretary/Treasurer
Don Girvan, Commissioner
Trish Becker, Commissioner



TO: Board of Commissioners

FROM: Dr. Rui-De Xue, Director

CC: Charolette M. Hall, Administrative Assistant

DATE: June 20, 2019

RE: Entomologist Job Description Update to Entomologist/Scientific Manager

Based on the District's growth and needs in the field of science and education, I would like to update the Entomologist Job Description to "Entomologist /Scientific Manger". This position will be a section leader who will supervise all scientific and education programs, including supervising the Molecular Biologist, Field Biologist, Education Specialist, Biological Technicians, Visiting Scientists, and intern students, in order to conduct all surveillance, applied research projects, the use of the research facilities, mentoring visiting scientists and students, and all other education programs.

The position requires a Ph.D. in Entomology with 8 years of experience in the field of mosquito control and 5 years of experience in management and supervision.

The salary will be at a grade 9-10 and will be based on the person's experience. The present salary range for Grade 9 is: \$56,729.98 to \$90,767.96 and the present salary range for Grade 10 is: \$60,701.08 to \$97,121.72.

Attached, you will find the 2015 revision of the Entomologist job description with suggested changes in red to meet the "Entomologist/Scientific Manager" job description proposed. Behind that is the finished copy as it will be if all changes are accepted.

THE ANASTASIA MOSQUITO CONTROL DISTRICT OF ST. JOHNS COUNTY

JOB DESCRIPTION

JOB TITLE	DEPARTMENT	STATUS	REPORTS TO (TITLE:)
Entomologist/ Scientific Manager	Base Station Science Dept.'s	Exempt	Director

PURPOSE OF JOB:

Direct, **supervise**, and conduct operational surveillance and field studies in entomological research within the District in coordination with District personnel. Provide scientific analysis of collection data and identification of mosquito species for the scheduling of larviciding and adulticiding activities within the District. Develop and operate public awareness programs and employee training programs to enhance knowledge of mosquito biology and to further the understanding of the District's mission and goals.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- 1- Supervise and manage all scientific programs, projects, and personnel.
- ✦ 2 - Conduct, develop, and refine light trap **sites**, surveillance, and identification of mosquito species, breeding sites, ~~for the proper scheduling and coordination of adulticiding and larviciding activities within the District. This will include reviewing current light trap sites, locating new trapping sites~~ and evaluating alternative adult trapping and monitoring systems. ~~Timely reports to the Director are essential in this activity and may be required daily as needed.~~
- ✦ 3- Conduct, develop, coordinate, and refine the sentinel chicken surveillance program, ~~in the District, with timely reports to the Director. Develop a~~ and protocols for selecting new locations for sentinel chicken flocks ~~in coordination with criteria used by other mosquito control districts.~~ and be prepared to assist with the blood collections and/or blood processing on a temporary basis, as the need arises.
- ✦ 4- Conduct and coordinate **field applied** research **projects** in mosquito control ~~within the District. This will include cooperation with AMCA, EMCA, EMEL, and private companies, as well as, other mosquito control districts, for the purpose of improving mosquito control operations within the District. Research projects may including~~ the identification of arbovirus vectors, pesticide resistance testing, **surveillance techniques**, and/or other projects as determined by the Director.
- 4- ~~Develop a mapping program, in coordination with District personnel, to identify breeding sites of mosquitoes.~~
- ✦ 5. **Conduct and develop an education program on all aspects of mosquito control, mosquito biology, and arboviruses for in-house training, as well as, for public awareness programs. Assist other team leaders in developing and implementing training procedures for new employees as well as retraining and continuing education of the existing workforce.**
- 6- ~~Conduct and develop public awareness programs on such topics as mosquito control, mosquito biology, and arboviruses to support the mission of the District. This will including presentations to schools, homeowners associations and civic groups, as well as~~

- ~~the production of informational flyers and brochures. Assist the Director in developing and maintaining a web site for the District for public information and education.~~
- ~~7.~~ **7.** ~~Develop a mapping program, in coordination with District personnel, to identify breeding sites of mosquitoes.~~
 - ~~8.~~ **6.** ~~Assist the Director in developing and maintaining a computer database (such as VCMS or other system) to enhance mosquito control efficacy in the District. This will~~ **Collect and maintain data for the database,** including the coordination of data from light traps, larval collections, landing rate counts, rain gauges, and tide gauges, in order to better predict and control mosquito populations.
 - ~~9.~~ **7 -** Conduct and develop plans of action to satisfy grants received by the District **and.** assist the Director in applying for **the** grants ~~to further the mission of the District.~~
 - ~~10.~~ **8 -** Report findings, data summaries, and present timely reports, which may be required daily, to the Director, from all programs in a scientifically accurate manner ~~to the District Director and to the Board of Commissioners. Entomologist is encouraged to present results to annual meetings of the FMCA and AMCA.~~ **and be prepared to also present findings to the Board of Commissioners.**
 - ~~11.~~ **9- Help** Assist the Director ~~to in keeping informed~~ on advances in mosquito control, such as larvicide and adulticide formulations, operational methods, applications and products by attending **and presenting at** professional meetings and conferences ~~and reading related publications.~~ **and publishing peer-reviewed articles.**
 - ~~12.~~ **Recommend necessary expenditures to the district director for program development and the maintenance of the high standards of quality.**
 - ~~13.~~ **Develop and conduct a trapping program to routinely identify and quantify the mosquito populations at the District's sentinel chicken flock sites.**
 - ~~14.~~ **10 -** Maintain a current literature file on adult trapping **surveillance** techniques. Learn all light-trap routes/circuits and be prepared to assist with the maintenance of these on a temporary basis as the need arises
 - ~~15.~~ **Learn all light trap routes/circuits and be prepared to assist with the maintenance of these on a temporary basis as the need arises.**
 - ~~16.~~ **14** ~~Learn all sentinel chicken flock locations and be prepared to assist with the blood collections and/or blood processing on a temporary basis as the need arises.~~
 - ~~17.~~ **11 -** ~~Develop a proficiency in the safe handling and application of all chemicals used by the District for mosquito control. Maintain a current "material safety data sheet" file.~~ **Assure all scientific programs utilize safe handling and application of all chemicals used by the District for mosquito control and their understanding of the .** ~~Maintain a current "material safety data sheets" file~~ **and become familiar with adult mosquito fogging procedures and equipment.**
 - ~~18.~~ **Become familiar with adult mosquito fogging procedures and equipment.**
 - ~~19.~~ **Prepare reports and data summaries in a timely manner, as requested by the Director. Assist in data entry in spreadsheet formats. Make occasional PowerPoint presentations for the Commissioners, community programs and state and national entomological meetings.**
 - ~~20.~~ **12 -** Assist the District Director and Supervisors in **budget recommendations and purchases for** ~~of~~ programs and special projects related to scientific equipment and supplies per accepted District purchasing policies and procedures.

- ~~21. 13~~ - Participate in District staff meetings, technical meetings and budget meetings, as directed.
- ~~22. 14~~ - Maintain membership (~~at paid by the District expense~~) and active participation in the **Professional Mosquito Control Associations (ie; AMCA, and FMCA etc.)**.
- ~~23. Show a willingness to communicate and interact with the District Board of Commissioners, as directed.~~
-

SUPERVISORY RESPONSIBILITIES:

Responsible for the direct supervision, evaluation and performance management of **Molecular Biologist, Field Biologist**, Biological Technician(s), **Education Specialist**, Seasonal Laboratory Assistant(s) and Seasonal Intern(s).

QUALIFICATIONS:

1. Doctor of Philosophy (Ph.D.), ~~Master's of Science (M.S.) or Master's of Arts (M.A.)~~ in entomology, zoology, biology, or related scientific field from an accredited college or university.
 2. Minimum of ~~five (5)~~ **eight (8)** years of field experience and ~~three (3)~~ **five (5)** years in a management or supervisory position is required. Publication in peer-reviewed journals recommended.
 3. Proficiency in Microsoft Office components to include MS Word, Excel, Access, PowerPoint software and working knowledge of email and the internet.
 4. Proficiency in basic statistical analysis is required. Proficiency in the use of GPS imagery systems is required.
 5. Must possess proficient skills in written grammatical composition. Must possess good organizational, interpersonal, and communication skills. Public speaking skills are desirable.
 6. Must possess a valid Florida driver's license with an acceptable driving record.
 7. Must maintain applicable licenses, including certification in the application of "restricted use" pesticides, as per Chapter 388, Florida Statutes, and Chapter 5E-13, Florida Administrative Code, FL Department of Agriculture and Consumer Services. If not in possession when hired, certification is required within six months of employment.
 8. Must have the ability to travel.
-

WORK ENVIRONMENT/PHYSICAL REQUIREMENTS:

The physical demands and work environment characteristics described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

Physical Requirements: Heavy physical activity is occasionally required when in the field including lifting, reaching for, pulling and carrying up to fifty pounds, reaching and pulling with arms, stooping, kneeling, bending frequently, standing for long periods of time, walking

for long distances, sitting for long periods of time while driving a vehicle, and climbing over and around natural obstacles, in and out of a variety of equipment and vehicle and up and down ladders. Must be able to use hands and fingers to type, and grip and operate a variety of hand tools and other equipment. Excellent vision, both close and distance, is regularly required.

Work Environment: The work environment varies but normally includes laboratories and office buildings and may occasionally include workshops, animal rearing/storage facilities, boats, vehicles, marshes, fields, and islands. When in the field, exposure to all types of weather will occur and exposure to sun, rain, mud, manure, a variety of farm animals and insects will occur frequently. Frequent local travel is required. Noise level is usually low. Working with and around chemicals and biological control organisms, which are stored, handled, applied/used and disposed of according to exact labeling instructions, is required frequently.

I HAVE READ AND UNDERSTAND THIS JOB DESCRIPTION.

Signature

Date

Printed Name

THE ANASTASIA MOSQUITO CONTROL DISTRICT OF ST. JOHNS COUNTY

JOB DESCRIPTION

<u>JOB TITLE</u>	<u>DEPARTMENT</u>	<u>STATUS</u>	<u>REPORTS TO (TITLE:)</u>
Entomologist/Scientific Manager	Science Dept.'s	Exempt	Director

PURPOSE OF JOB:

Direct, supervise, and conduct operational surveillance and field studies in entomological research within the District in coordination with District personnel. Provide scientific analysis of collection data and identification of mosquito species for the scheduling of larviciding and adulticiding activities within the District. Develop and operate public awareness programs and employee training programs to enhance knowledge of mosquito biology and to further the understanding of the District's mission and goals.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

1. Supervise and manage all scientific programs, projects, and personnel.
2. Conduct, develop, and refine light trap sites, surveillance, identification of mosquito species, breeding sites, and evaluating alternative adult trapping and monitoring systems.
3. Conduct, develop, coordinate, and refine the sentinel chicken surveillance program, and protocols for selecting new locations for sentinel chicken flocks and be prepared to assist with the blood collections and/or blood processing on a temporary basis, as the need arises.
4. Conduct and coordinate applied research projects in mosquito control, including the identification of arbovirus vectors, pesticide resistance testing, surveillance techniques, and/or other projects as determined by the Director.
5. Conduct and develop an education program on all aspects of mosquito control, mosquito biology, and arboviruses for in-house training, as well as, for public awareness programs.
6. Collect and maintain data for the database, including the coordination of data from light traps, larval collections, landing rate counts, rain gauges, and tide gauges, in order to better predict and control mosquito populations.
7. Conduct and develop plans of action to satisfy grants received by the District and assist the Director in applying for the grants.
8. Report findings, data summaries, and present timely reports, which may be required daily, to the Director, from all programs in a scientifically accurate manner and be prepared to also present findings to the Board of Commissioners.
9. Assist the Director on advances in mosquito control, and products by attending and presenting at professional meetings and conferences and publishing peer-reviewed articles.
10. Maintain a current literature file on adult surveillance techniques. Learn all light-trap routes/circuits and be prepared to assist with the maintenance of these on a temporary basis as the need arises

11. Assure all scientific programs utilize safe handling and application of all chemicals used by the District for mosquito control and their understanding of the current "safety data sheets" and become familiar with adult mosquito fogging procedures and equipment.
 12. Assist the District Director and Supervisors in budget recommendations and purchases for programs and special projects related to scientific equipment and supplies per accepted District purchasing policies and procedures.
 13. Participate in District staff meetings, technical meetings and budget meetings, as directed.
 14. Maintain memberships (paid by the District) and active participation in the Professional Mosquito Control Associations (ie; AMCA, FMCA etc.).
-

SUPERVISORY RESPONSIBILITIES:

Responsible for the direct supervision, evaluation and performance management of Molecular Biologist, Field Biologist, Biological Technician(s), Education Specialist, Seasonal Laboratory Assistant(s) and Seasonal Intern(s).

QUALIFICATIONS:

1. Doctor of Philosophy (Ph.D.) in entomology, zoology, biology, or related scientific field from an accredited college or university.
 2. Minimum of eight (8) years of field experience and five (5) years in a management or supervisory position is required. Publication in peer-reviewed journals recommended.
 3. Proficiency in Microsoft Office components to include MS Word, Excel, Access, PowerPoint software and working knowledge of email and the internet.
 4. Proficiency in basic statistical analysis is required. Proficiency in the use of GPS imagery systems is required.
 5. Must possess proficient skills in written grammatical composition. Must possess good organizational, interpersonal, and communication skills. Public speaking skills are desirable.
 6. Must possess a valid Florida driver's license with an acceptable driving record.
 7. Must maintain applicable licenses, including certification in the application of "restricted use" pesticides, as per Chapter 388, Florida Statutes, and Chapter 5E-13, Florida Administrative Code, FL Department of Agriculture and Consumer Services. If not in possession when hired, certification is required within six months of employment.
 8. Must have the ability to travel.
-

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Physical Requirements: Heavy physical activity is occasionally required when in the field including lifting, reaching for, pulling and carrying up to fifty pounds, reaching and pulling with arms, stooping, kneeling, bending frequently, standing for long periods of time, walking for long distances, sitting for long periods of time while driving a vehicle, and climbing over and around natural obstacles, in and out of a variety of equipment and vehicle and up and down ladders. Must be able to use hands and fingers to type, and grip and operate a variety of hand tools and other equipment. Excellent vision, both close and distance, is regularly required.

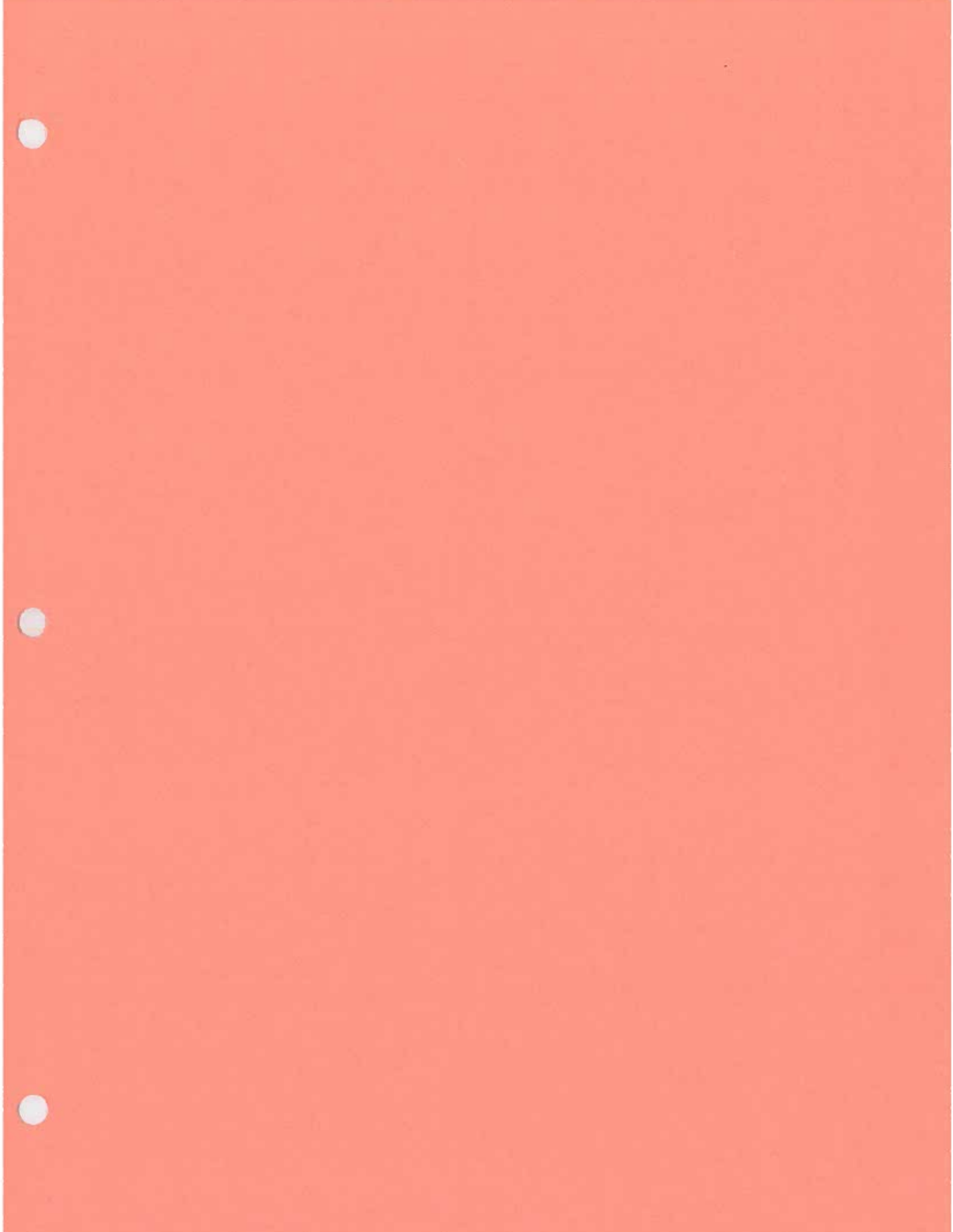
Work Environment: The work environment varies but normally includes laboratories and office buildings and may occasionally include workshops, animal rearing/storage facilities, boats, vehicles, marshes, fields, and islands. When in the field, exposure to all types of weather will occur and exposure to sun, rain, mud, manure, a variety of farm animals and insects will occur frequently. Frequent local travel is required. Noise level is usually low. Working with and around chemicals and biological control organisms, which are stored, handled, applied/used and disposed of according to exact labeling instructions, is required frequently.

I HAVE READ AND UNDERSTAND THIS JOB DESCRIPTION.

Signature

Date

Printed Name





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

ARTHROPOD MANAGEMENT PLAN -PUBLIC LANDS

Return to:
Mosquito Control Program
3125 Conner Blvd, Bldg 6,
Tallahassee, Florida 32399-1650

ADAM H. PUTNAM
COMMISSIONER

Section 388 4111, F.S.
Telephone: (850) 617-7995

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. Fill this form out if control work is necessary or planned.

Name of Designated Land: Anastasia State Park, St, Johns County

Is Control Work Necessary: Yes No

Location: Anastasia State Park

Land Management Agency: DEP Division of Recreation and Parks

Are Arthropod Surveillance Activities Necessary? Yes No

If "Yes", please explain:

According to the Florida Administration Code 5E-13 surveillance shall be conducted to determine the species and numbers of both pestiferous and disease bearing arthropods. After an emergence of mosquitoes, they will affect citizens, business, and tourists.

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: Mosquito Magnet

Siting of control traps and bait stations must be approved in advance by the park manager and district biologist.

Arthropod Species for Which Control is Proposed:

Salt Marsh mosquito Aedes taeniorhynchus and Aedes sollicitans.

Secondary Targeted Arthropod Species: Freshwater Species: Culex restuans, Cx. erraticus, Cx. nigripalpus,
Cx. quinquefasciatus, Coquillettidia perturbans. (WNV)
(SLE) (EEE)

Proposed Larval Control:

Proposed larval monitoring procedure: AMCD Mosquito Control Technician that is assigned to the State Park will dip standing water to see if there is mosquito larvae present if so he/she will make the necessary treatment.

Are post treatment counts being obtained: Yes No

Biological Control of Larvae:

Might predacious fish be stocked: Yes No

Other biological controls that might be used: None proposed

Material to be Used for Larviciding Applications:

(Please Check All That Apply:)

Bti all formulations

Bs

Methoprene Altosid Will not be applied on Conch Island or in or adjacent to Salt Run

Non-Petroleum Surface Film

Other, please specify:

Please specify the following for each larvicide:

Treatment by Truck or Hand: Aquabac xt, Bs, Altosid. Altosid is not to be applied on Conch Island or in or adjacent to Salt Run.

Treatment by Air: Bti all formulations, Altosid. Aerial spraying of larvicide will only be allowed after trapping/monitoring results show that the mosquito population is 4 times higher than the normal population levels. Aerial spraying must be approved by park management and district/park biologist and be mutually agreed upon. Aerial larvicide application will not be allowed if it poses any negative environmental impact as determined by park management. Only chemicals approved in this plan can be used during aerial larvicide applications.

Chemical or Common name:

Ground Aerial Rate of application: Label

Method of application: Truck, Helicopter, Drone

Vegetation Modification:

Aerial adulticiding Yes No

Ground adulticiding Yes No

Adulticiding is restricted to truck spraying in public use areas and will only be conducted by request of the park manager and after surveillance techniques approved in this plan indicate a need.

Please specify the following for each adulticide: Aqualuer 20-20, Duet

Chemical or common name: Permethrin, Sumithrin

Rate of application: AMCD always follows label rate

Permethrin and Sumithrin are authorized for use in day-use areas, greater than 300 feet away from any wetlands or standing water.

Method of application: Ground ULV, Thermal Fog

Proposed Modifications for Public Health Emergency Control: Arthropod control agency may request special exception to this plan during a threat to public or animal health declared by State Health Officer or Commissioner of Agriculture.

Proposed Notification Procedure for Control Activities: All adulticiding activities will be approved by the Park Manager.

Records:

Are records being kept in accordance with Chapter 388, F.S.:

Yes No

Records Location: AMCD office

How long are records maintained: 5 years

What trimming or altering of vegetation to conduct surveillance or treatment is proposed?

It will be necessary to keep road/paths cleared on Conch Island for proper treatment. All efforts will be made to minimize the creation and occurrence of tire ruts on Conch Island. Activities on Conch Island will be conducted around the occurrence of low tide to the greatest extent possible.

Proposed Land Modifications:

Is any land modification, i.e., rotary ditching, proposed: No

Vegetation Modification:

Include proposed operational schedules for water fluctuations: No

List any periodic restrictions, as applicable, for example peak fish spawning times. No

Proposed Modification of Aquatic Vegetation: No

Land Manager Comments:

When accessing Conch Island along the beach, MCD staff will drive at a slow speed (15 mph or less), as far seaward as possible below the high tide mark. Only vehicles with large balloon tires should be operated on Conch Island, and the number of tire ruts must be limited to the minimum necessary to provide access. All efforts will be made to minimize the creation and occurrence of tire ruts. Activities on Conch Island will be conducted around the occurrence of low tide to the greatest extent possible. MCD staff shall not enter posted protection areas. On the west side of Conch Island, MCD staff shall not drive further south than two (2) miles south of the northernmost access point (refer to map). MCD staff will not drive into wetlands or areas with mangroves or cause damage to mangroves. MCD staff will not drive into or across dunes; after accessing the west side of Conch Island, MCD staff will not drive on or over or otherwise impact any areas with exposed sand.

Mowing of a 12-foot swath (no more than 6 feet beyond the edge of the road) is permissible along the roads in the interior of Conch Island for access purposes. Ground aduclticing shall be conducted upon the request of the park manager, at locations requested, and after surveillance techniques approved in this plan indicate a need.

Helicopter use has been included for larvicide use only. Aerial spraying of larvicide will only be allowed after trapping/monitoring results show that the mosquito population is 4 times higher than the normal population levels. Aerial spraying must be approved by park management and district/park biologist and be mutually agreed upon. Aerial larvicide application will not be allowed if it poses any negative environmental impact as determined by park management. Only chemicals approved in this plan can be used during aerial larvicide applications.

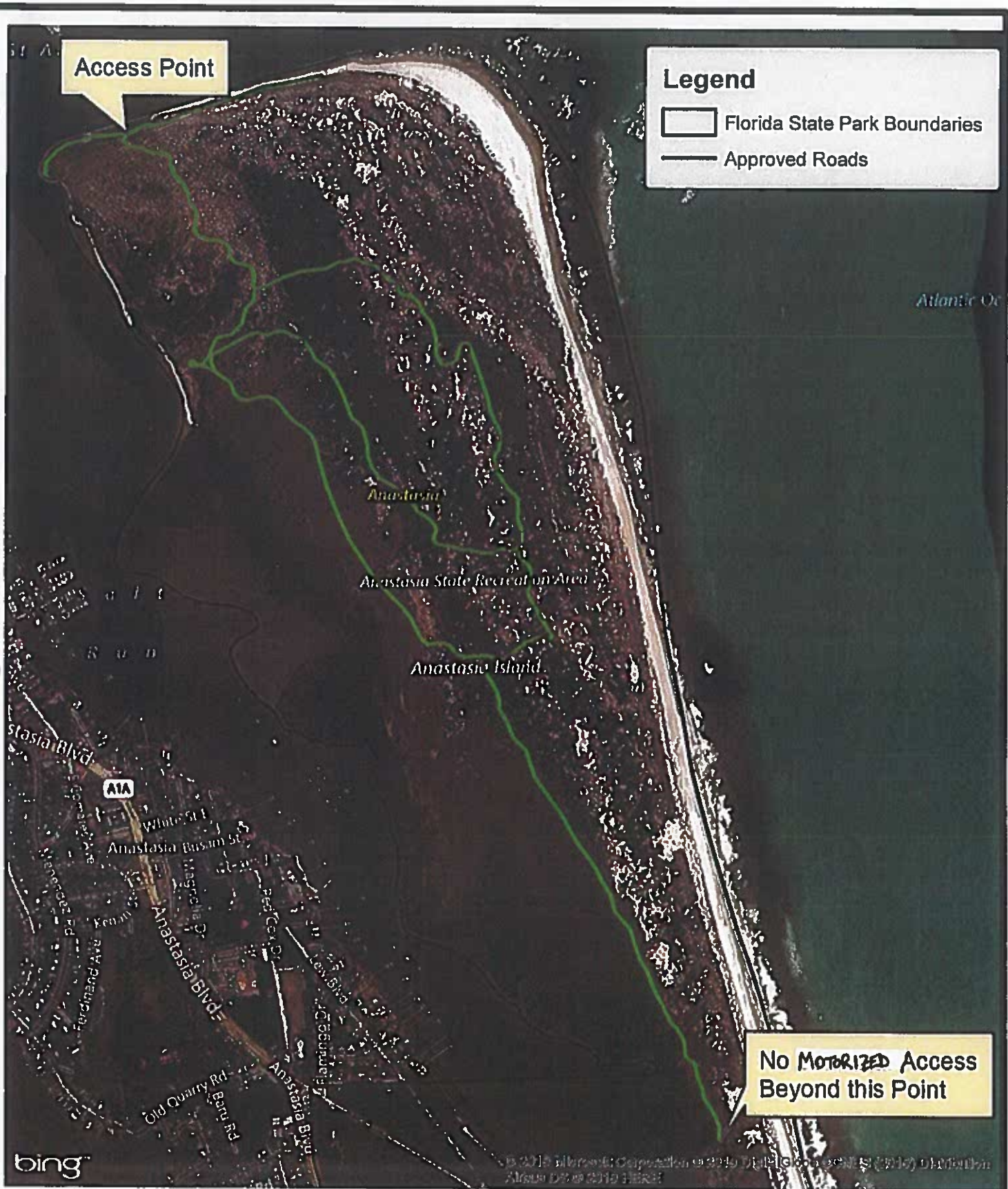
This Arthropod Management Plan does not supersede any city, county, state and federal laws. MCD staff will follow all city, county, state, and federal laws while on park property.

Arthropod Control Agency Comments:

[Handwritten Signature] for Larry Foukes 6/4/19
Signature of Land Manager or Representative Date

Signature of Mosquito Control Director / Manager Date

Anastasia State Park Access Roads

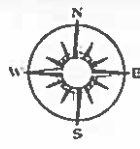


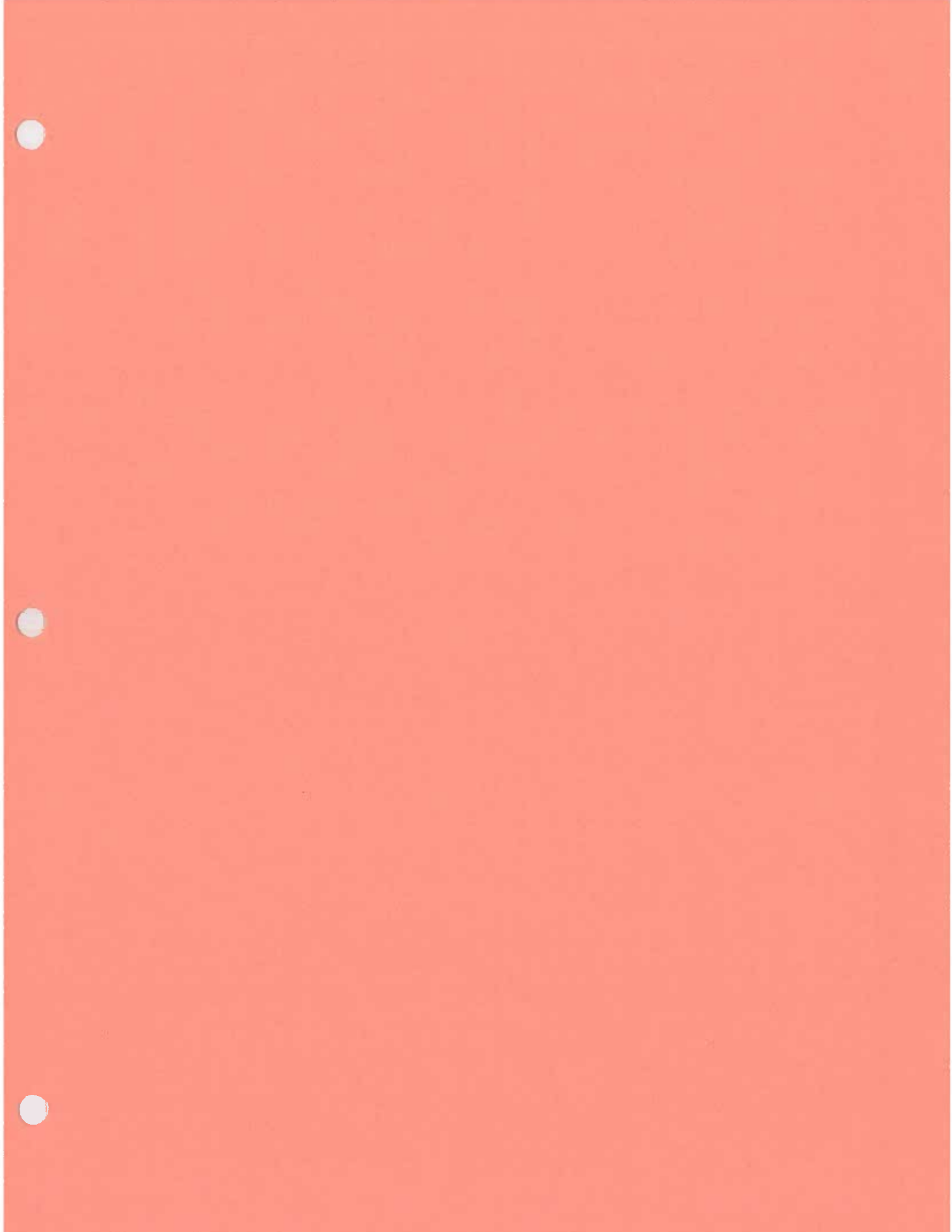
Access Point

Legend

- Florida State Park Boundaries
- Approved Roads

No Motorized Access Beyond this Point





SPECIAL USE AUTHORIZATION

This Special Use Authorization (“SUA”) is given by the St. Johns River Water Management District (“District”), whose address is 4049 Reid Street, Palatka, Florida 32177, to Anastasia Mosquito Control District (“User”), whose mailing address is 120 EOC Drive, St Augustine, FL 32092. Wherever used herein, the term “User” includes User’s employees, agents, or contractors, the heirs and legal representatives of individuals, and the successors and assigns of corporations, partnerships, public bodies, and quasi-public bodies. “User” also includes all “Participants,” as defined below.

By acceptance of this SUA and exercise of any of the privileges afforded hereby, User agrees to the following terms and conditions:

1. **Authorized Use.** This SUA hereby authorizes the following use of District lands (“Use”), as defined in Chapter 40C-9.021, Florida Administrative Code (the “Property”): vehicular access to Moses Creek Conservation Area and Stokes Landing Conservation Area for site inspections, surveillance and chemical applications/treatment in areas found to have mosquito larvae. The maps attached depict the area of approved use.
2. User must physically have a copy of this SUA at all times while on the Property. In the event this SUA authorizes use of the Property by any individuals or entities associated with User that have not executed this SUA (“Participants”), User agrees to communicate the terms of this SUA to its Participants and ensure that they abide by these terms. Use of the Property by a Participant constitutes acceptance of the terms of this SUA. As used herein, “shall” is always mandatory.
3. **Term.** The initial term of this SUA is for a period of one (1) year, commencing on June 20, 2019, and expiring on June 19, 2020. Thereafter, this authorization shall automatically renew for four (4) consecutive one (1) year terms, terminating on June 19, 2024. This SUA is a license that is revocable at will (without cause) at any time prior to the expiration of this SUA upon ten (10) calendar days prior written notice; provided, however, that in the event User does not comply with the terms of this SUA, this SUA may be immediately revoked upon written or oral notice.
4. **Conditions Generally Applicable to the Use of the Property:**
 - a Except as otherwise provided herein, User shall comply with the District’s Water Management Lands Acquisition and Management Rule, Chapter 40C-9, Florida Administrative Code, which may be viewed at: www.sjrwmd.com/rules/pdfs/40C-9.pdf.
 - b This SUA does not convey any real Property interests or rights to User of any kind.
 - c The use of the Property is in an “AS-IS” condition. The District does not guarantee that the Property can be used for the purpose intended by the User.
 - d User is responsible for maintenance of the Property in safe and sanitary condition for the intended Use and any repairs or improvements necessary for the intended Use. User will clean and restore the Property at the conclusion of the Use to not less than the condition that existed prior to the Use.
 - e User will not damage the Property beyond that normally associated with the Use and shall, at User’s expense, repair any damage to the Property resulting from the Use. A security deposit for this purpose is not required.
 - f The District may authorize other persons or organizations to use the Property during the same time as this SUA. User may use the Property as necessary for the Use and shall not impede access by other authorized users or prevent them from carrying on approved activities.

- g While using the Property, User shall be vigilant regarding maintaining the security of the Property against trespassers, poachers and vandals, and shall promptly notify the District and the proper authorities in such event. If User is provided access through locked gates, User must close and lock gates upon each entry and exit from the Property.
- h No structures (i.e.; buildings, fencing, etc.) or other alterations will be placed or constructed upon the Property without the District's prior written consent. All personal property placed upon the Property shall be at User's sole risk of loss. Upon termination, User's personal property and equipment not removed shall become the District's property and at the District's sole discretion may be removed, relocated or abandoned. Any authorized improvements that are affixed to the Property shall remain with the Property upon expiration of this SUA.
- i User will abide by all applicable governmental rules, regulations, ordinances and laws with respect to User's use of the Property. User is responsible for obtaining and paying for any and all permits necessary for the Use.
- j No hunting, illegal, offensive or immoral activities will take place on the Property.
- k Killing, molesting, or trapping of listed species may only be allowed with required state and federal permits. Unless expressly authorized herein, the harvest of any plant or plant material is prohibited.
- l User shall exercise due care against accidentally starting fires while on the Property and shall be liable for all damages caused by such fires. User must vacate the Property at first threat, warning or notice of a wildfire in the vicinity of the Property.
- m Dumping or placing of any garbage or refuse on the Property, except in authorized receptacles, is prohibited.

5. Additional Specific Conditions Applicable to Authorized Use of the Property

- a User must coordinate all aspects of its activities with the District's Land Manager for the Moses Creek Conservation Area and Stokes Landing Conservation Area, Heather Venter, 386-972-6954, hventer@sjrwmd.com. User shall provide forty-eight (48) hour advance notice to the Land Manager prior to each visit.
- b User's vehicular access shall be limited to the roads depicted on the attached map. User is not permitted to park the vehicle in a manner that will obstruct roads, trails, gates, or fire lines.
- c User's chemical applications shall be limited to the use of *Bacillus thuringiensis* subspecies *israelensis* (Bti). This Authorization in no way authorizes the use of any chemical product other than that which is provided herein.
- d User shall provide the District with a copy of any survey, data, report, article, paper, poster, presentation, or any other material that is produced as a result of the activities authorized herein.
- e User is authorized to place traps for mosquito and arbovirus surveillance.
- f Taking off or landing of manned aircraft, or launching, landing, or operating unmanned aircraft including small unmanned aircraft (such as drones) and model aircraft on or over District Lands (including waters) is prohibited on the Property.
- g Access points to the Property consist of existing gates identified on the maps attached to this SUA.
- h This SUA does not authorize access to areas designated or posted closed for safety, emergency, or environmental purposes. These include, but are not limited to, road or trail closures due to flood, washout, or fire.

6. **Duty of Care; Assumption of Risk of Injury.** By issuance of this SUA, the District assumes no duty of care with regard to User's safety while on the Property. User is under a duty to be vigilant for User's own safety as well as the safety of others. User understands and agrees that User is solely responsible for User's personal safety and the personal safety of all persons accompanying User on the Property or accessing the Property under User's direction. User is fully knowledgeable of the risks that are generally associated with traversing Property that is in a substantially natural condition and assume all such risks. User also assumes all risks associated with traversing District lands in a motor vehicle. User voluntarily assumes any other risks, of every kind whatsoever, whether natural or artificial, while conducting activities on the Property pursuant to this SUA.
7. **Recreational Use Immunity.** Pursuant to section 373.1395, F.S., the District is not under a duty to maintain the Property in a safe condition or give warning of any hazardous conditions, structures, or activities on the Property. The District does not extend any assurance that the Property is safe for any purpose and is not responsible for any injury to persons or property caused by an act or omission of a person who goes on the Property.
8. **Hold District Harmless from Liability.** The District shall bear no financial expense or obligation whatsoever to the User or any third party as a result of this SUA. Nothing under the terms of this SUA or any use contemplated hereby shall render the District liable for property damage, personal injury or death resulting from the Use. User is solely responsible for bodily injury, death, property damage or loss, and all other claims or causes of action in law or equity whatsoever attributable to the activities of User, its licensees, or invitees, and to indemnify and hold the District harmless therefrom, including the District's costs and reasonable attorney's fees. User understands that this indemnity obligation includes any claims based on partial or sole negligence, action or inaction of User, its licensees or invitees, and that the District shall in no case be subject to financial expense or obligation as a result of this SUA, including alleged or actual negligence by the District, its officers or employees.
9. **Pollution.** The discharge of any fuel, oils, petroleum products, litter or other harmful materials that may result from User's use of the Property or other District land is prohibited. Should any harmful materials be discharged by User, the District shall be immediately notified. User is solely responsible for all costs associated with any resulting clean up and remediation.
10. **Non-waiver of District's Regulatory Authority.** No provision in this SUA shall be construed as a waiver of or contract with respect to the District's regulatory and permitting authority as it now or hereafter exists under applicable laws, rules and regulations.
11. **Non-Assignment.** User may not assign or transfer this SUA, in whole or in part, without the District's prior written consent.

12. **Notices.** All notices, consents, approvals, waivers and elections which any party is required to make or otherwise provides under this SUA shall be in writing and shall be deemed given and received on the date of mailing or transmission under any of the following: (i) mailed by certified mail, postage prepaid, return receipt requested; (ii) delivered by private parcel delivery services for which receipt is provided; (iii) sent via e-mail for which receipt is acknowledged. Notices, including notice of change of address, shall be addressed or transmitted to the addresses set forth below.

St. Johns River Water Management District
PO Box 1429
Palatka, FL 32178-1429
Ramesh Buch, Director
Real Estate Services Program
386-312-2362
rbuch@sjrwmd.com

Anastasia Mosquito Control District
Marcia Gaines (Kay)
120 EOC Drive
St Augustine, FL 32092
904-484-7331
Gainesamcd@bellsouth.net

(Signatures on following page)

This SUA is executed on behalf of the District by its Executive Director, or duly authorized designee. User has executed this SUA by its duly authorized representative, and, if appropriate, has caused the seal of the corporation to be attached. This SUA may be executed in separate counterparts, which shall not affect its validity. Upon execution, this SUA constitutes the entire agreement of the parties, notwithstanding any stipulations, representations, agreements, or promises, oral or otherwise, not printed or inserted herein. This SUA cannot be changed by any means other than written amendment referencing this SUA and signed by all parties.

**ST JOHNS RIVER WATER
MANAGEMENT DISTRICT**

**ANASTASIA MOSQUITO CONTROL
DISTRICT**

SUA based on conditions above is approved.

I agree to the conditions above and warrant that I am authorized to sign on behalf of the User.

By: _____
Ramesh Buch, Director
Office of Real Estate Services
(or Designee)

By: _____
Gary Howell, Chairperson

Date: _____

Date: _____

Approved as to form

By:  _____
Office of General Counsel, SJRWMD



**Moses Creek Conservation Area
Anastasia Mosquito Control SUA**



0 0.2 0.4 Miles
1" = 23125'



Legend

-  Approved Access Roads
-  Management Area Boundaries

The St. Johns River Water Management District prepares and uses this information for its own purposes and this information may not be suitable for other purposes. This information is provided as is. Further documentation of this data can be obtained by contacting: St. Johns River Water Management District, Geographic Information Systems, Program Management, P.O. Box 1429, 4049 Reid Street Palatka, Florida 32178-1429 Tel: (386) 329-4900.



**Stokes Landing Conservation Area
Anastasia Mosquito Control SUA**



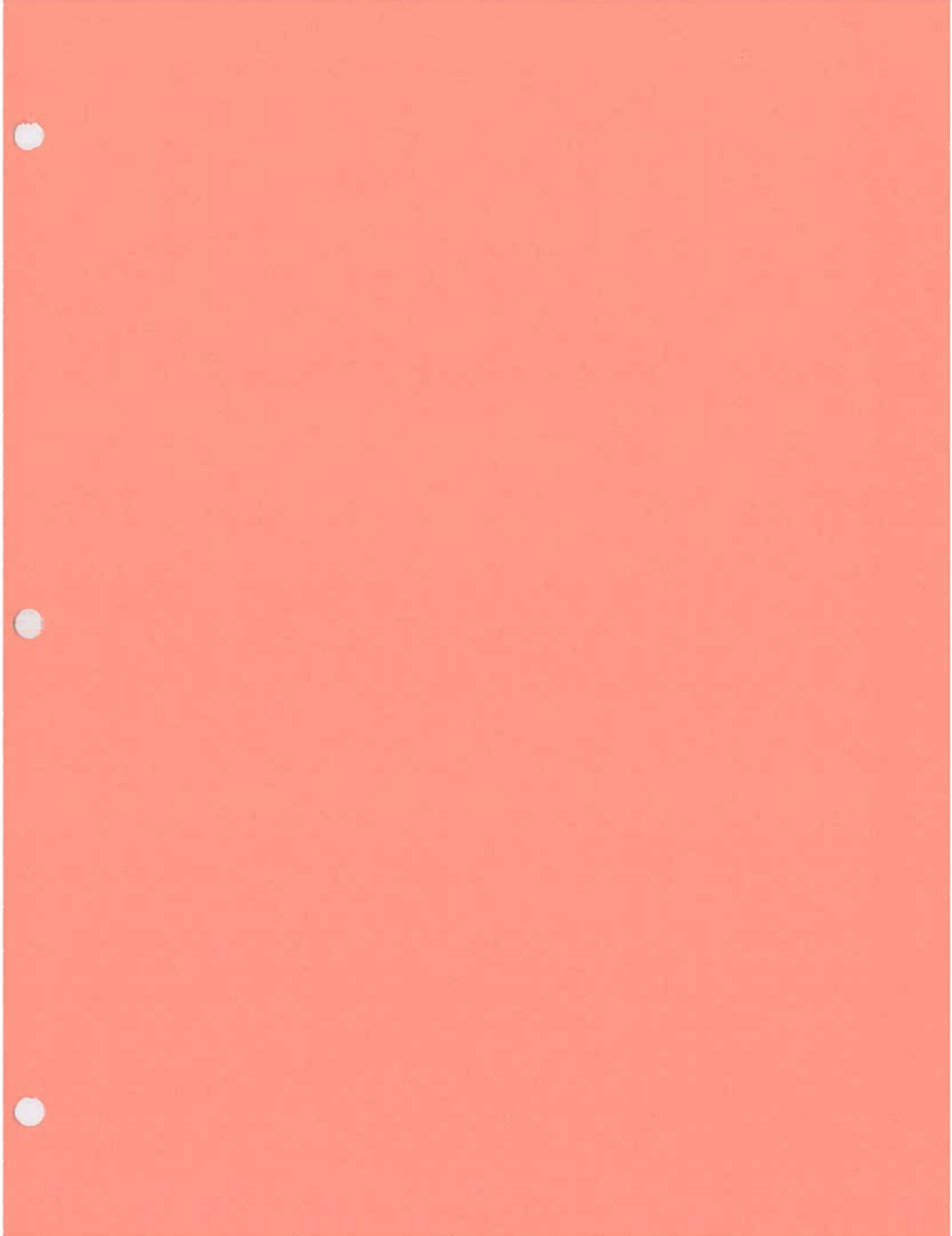
0 0.1 0.2 Miles
1 = 11626



Legend

-  Approved Access Roads
-  Management Area Boundaries

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

Submit to:
Mosquito Control Program
3125 Conner Blvd, Bldg 6
Tallahassee, FL 32399-1850

ARTHROPOD CONTROL BUDGET AMENDMENT

ADAM H. PUTNAM
COMMISSIONER

Section 388.361, F.S. and 5E-13.027, F.A.C.
Telephone (850) 617-7995 Fax (850) 617-7869

STATEMENT EXPLAINING AND JUSTIFYING THE PROPOSED CHANGES SHOULD ACCOMPANY EACH APPLICATION FOR BUDGET AMENDMENT. USE PAGE TWO FOR THIS PURPOSE.

Amendment No. 2018-06

Fiscal Year: 2018-2019

Date: 6/20/2018

Amending: Local Funds X State Funds (Check appropriate fund account to be amended. Use a separate form for each fund). The Board of Commissioners for Anastasia Mosquito Control District hereby submits to the Department of Agriculture and Consumer Services, for its consideration and approval, the following amendment for the current fiscal year as follows:

ESTIMATED RECEIPTS

NOTE: The budget cannot be amended to show an increase in receipts over the amount budgeted unless authorized.

Total Available Cash and Receipts	Reserves	Present Budget	Increase Request	Decrease Request	Revised Budget
\$ 11,284,212.35	\$ 4,098,834.10	\$ 11,284,212.35	\$ 64,379.36	\$ -	\$ 11,348,591.71

NAME SOURCE OF INCREASE: (Explain Decrease)

BUDGETED RECEIPTS

ACCT NO	Description	Present Budget	Increase Request	Decrease Request	Revised Budget
311	Ad Valorem (Current/Delinquent)	\$ 5,457,660.99	\$ -	\$ -	\$ 5,457,660.99
334.1	State Grant	\$ -	\$ -	\$ -	\$ -
362	Equipment Rentals	\$ -	\$ -	\$ -	\$ -
337	Grants and Donations	\$ 91,297.87	\$ 49,500.00	\$ -	\$ 140,797.87
361	Interest Earnings	\$ 80,260.65	\$ 12,753.28	\$ -	\$ 93,013.93
364	Equipment and/or Other Sales	\$ -	\$ -	\$ -	\$ -
369	Misc./Refunds (prior yr expenditures)	\$ 19,297.74	\$ 2,126.08	\$ -	\$ 21,423.82
380	Other Sources	\$ -	\$ -	\$ -	\$ -
389	Loans	\$ -	\$ -	\$ -	\$ -
TOTAL RECEIPTS		\$ 5,648,517.25	\$ 64,379.36	\$ -	\$ 5,712,896.61
Beginning Fund Balance		\$ 5,635,695.10	\$ -	\$ -	\$ 5,635,695.10
Total Budgetary Receipts & Balances		\$ 11,284,212.35	\$ 64,379.36	\$ -	\$ 11,348,591.71

BUDGETED EXPENDITURES

NOTE: Total increase must equal total decrease, unless the total "Present Budget" is revised.

ACCT NO	Uniform Accounting System Transaction	Present Budget	Increase Request	Decrease Request	Revised Budget
10	Personal Services	\$ 1,591,707.69	\$ 46,976.69	\$ -	\$ 1,638,684.38
20	Personal Service Benefits	\$ 785,568.88	\$ 3,593.72	\$ -	\$ 789,162.60
30	Operating Expense	\$ 499,533.51	\$ 10,755.41	\$ -	\$ 510,288.92
40	Travel & Per Diem	\$ 28,346.00	\$ 1,000.00	\$ -	\$ 29,346.00
41	Communication Services	\$ 25,904.00	\$ -	\$ -	\$ 25,904.00
42	Freight Services	\$ 2,500.00	\$ -	\$ -	\$ 2,500.00
43	Utility Service	\$ 29,000.00	\$ -	\$ -	\$ 29,000.00
44	Rentals & Leases	\$ 7,000.00	\$ -	\$ -	\$ 7,000.00
45	Insurance	\$ 86,727.00	\$ 2,053.54	\$ -	\$ 88,780.54
46	Repairs & Maintenance	\$ 130,500.00	\$ -	\$ -	\$ 130,500.00
47	Printing and Binding	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00
48	Promotional Activities	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00
49	Other Charges	\$ 6,325.00	\$ -	\$ -	\$ 6,325.00
51	Office Supplies	\$ 22,000.00	\$ -	\$ -	\$ 22,000.00
52.1	Gasoline/Oil/Lube	\$ 91,800.00	\$ -	\$ -	\$ 91,800.00
52.2	Chemicals	\$ 379,459.00	\$ -	\$ -	\$ 379,459.00
52.3	Protective Clothing	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00
52.4	Misc. Supplies	\$ 59,600.00	\$ -	\$ -	\$ 59,600.00
52.5	Tools & Implements	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00
54	Publications & Dues	\$ 15,885.00	\$ -	\$ -	\$ 15,885.00
55	Training	\$ 30,304.17	\$ -	\$ -	\$ 30,304.17
60	Capital Outlay	\$ 2,672,630.00	\$ -	\$ -	\$ 2,672,630.00
71	Principal	\$ -	\$ -	\$ -	\$ -
72	Interest	\$ -	\$ -	\$ -	\$ -
81	Aids to Government Agencies	\$ -	\$ -	\$ -	\$ -
83	Other Grants and Aids	\$ -	\$ -	\$ -	\$ -
89	Contingency (Current Year)	\$ 698,288.00	\$ -	\$ -	\$ 698,288.00
99	Payment of Prior Year Accounts	\$ -	\$ -	\$ -	\$ -
TOTAL BUDGET AND CHARGES		\$ 7,185,378.25	\$ 64,379.36	\$ -	\$ 7,249,757.61
0.001	Reserves - Future Capital Outlay	\$ 2,680,589.10	\$ -	\$ -	\$ 2,680,589.10
0.002	Reserves - Self-Insurance	\$ -	\$ -	\$ -	\$ -
0.003	Reserves - Cash Balance to be Carried Forward	\$ 1,269,615.00	\$ -	\$ -	\$ 1,269,615.00
0.004	Reserves - Sick and Annual Leave	\$ 148,630.00	\$ -	\$ -	\$ 148,630.00
TOTAL RESERVES		\$ 4,098,834.10	\$ -	\$ -	\$ 4,098,834.10
TOTAL BUDGETARY EXPENDITURES and BALANCES		\$ 11,284,212.35	\$ 64,379.36	\$ -	\$ 11,348,591.71
ENDING FUND BALANCE		\$ -	\$ -	\$ -	\$ -

APPROVED: _____
Chairman of the Board, or Clerk of Circuit Court

DATE _____

APPROVED: _____
Mosquito Control Program

DATE _____

ANASTASIA MOSQUITO CONTROL DISTRICT OF ST. JOHNS COUNTY
FISCAL YEAR ENDING SEPTEMBER 30, 2019

BUDGET AMENDMENT NUMBER 2019-06

COMPUTATIONS

LOCAL FUND

Receipts:	
Interest Earnings	12,753.28
Grant Money	49,500.00
Miscellaneous	2,126.08
Expenditures:	
Personal Services	(46,976.69)
Personal Benefits	(3,593.72)
Operating Expenses	(10,755.41)
Travel & Per Diem	(1,000.00)
Fleet/Prop/Liab Insurance	(2,053.54)
Training	

Budget Amendment (Net, pooled from Contingency) \$ -

ANASTASIA MOSQUITO CONTROL DISTRICT OF ST. JOHNS COUNTY
FISCAL YEAR ENDING SEPTEMBER 30, 2019

LOCAL FUND BUDGET AMENDMENT NUMBER 2019-06

PAGE 1 OF 1

BUDGET JOURNAL ENTRIES:

Dr) EXPENDITURES:	Personal Services	\$	46,976.69
EXPENDITURES:	Personal Benefits	\$	3,593.72
EXPENDITURES:	Operating Expenses	\$	10,755.41
EXPENDITURES:	Travel & Per Diem	\$	1,000.00
EXPENDITURES:	Training	\$	2,053.54
	Cr) REVENUE: Interest Earnings	\$	12,753.28
	REVENUE: Grants	\$	49,500.00
	REVENUE: Misc.	\$	2,126.08

**UNFINISHED
BUSINESS
#1**

Anastasia Mosquito Control District of St. Johns County

120 EOC Drive, St. Augustine, Florida 32092

PH: (904) 471-3107 • Fax (904) 471-3189 • Web Address: www.amcdsjc.org

MEMO

DISTRICT DIRECTOR

Dr. Rui-de Xue



BOARD OF COMMISSIONERS:

*Gary Howell, Chairperson
Jeanne Moeller, Vice-Chairperson
Gina LeBlanc, Secretary/Treasurer
Don Girvan, Commissioner
Trish Becker, Commissioner*

TO: Board of Commissioners

FROM: Dr. Rui-De Xue, Director

CC: Charolette M. Hall, Administrative Assistant

DATE: June 20, 2019

RE: Update on 8 Acre South Parcel and Research Property Construction Project Report

Mr. Bill Youker, Vice-President with the Harrell Construction Company, Inc. will give an updated report on the 8 Acre South Parcel and Research Property Construction project progress.







derio
Innovations
5-16-19

UNFINISHED BUSINESS

#2

Anastasia Mosquito Control District of St. Johns County

120 EOC Drive, St. Augustine, Florida 32092

PH: (904) 471-3107 • Fax (904) 471-3189 • Web Address: www.amcdsjc.org

MEMO

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Dr. Rui-de Xue

BOARD OF COMMISSIONERS:

Gary Howell, Chairperson
Jeanne Moeller, Vice-Chairperson
Gina LeBlanc, Secretary/Treasurer
Don Girvan, Commissioner
Trish Becker, Commissioner



TO: Board of Commissioners

FROM: Dr. Rui-De Xue, Director

CC: Charolette M. Hall, Administrative Assistant

DATE: June 20, 2019

RE: Aircraft Progress Update & Approval to hire A&P Aircraft Mechanic

Based on FAA requirements, all spraying part switch needs to be signed off by the aircraft mechanic.

The Board approved the job description of the A&P Aircraft Mechanic on March 14, 2019. The Board also approved two independent aircraft mechanic contractors on May 9, 2019, however, due to other obligations, they are not always able to be available when we need them.

The mosquito seasons have started already and we need to run aerial spraying for larviciding and adulticiding soon.

Even though we have budgeted for the aircraft mechanic for the Fiscal Year of 19/20, which starts October 1, 2019, I would like to recommend that the Board make a motion to approve the request to hire the aircraft mechanic as soon as possible.

Thank you very much for your support.

Charolette Hall

Subject: FW: Aerial Monthly Report May 2019

From: pleoneamcd@gmail.com [<mailto:pleoneamcd@gmail.com>]

Sent: Tuesday, June 04, 2019 6:32 AM

To: Rui-de Xue <xueamcd@gmail.com>

Subject: Aerial Monthly Report May 2019

FLIGHT OPS

Aircraft is in "UP" condition.

Flew 5.2 hours Total.

Flew NVG currency and proficiency flight.

Flew Kai, Morgan, Steven and Catherine on their required aircrew practical training.

Flew David and Kyle Air Inspection

MAINTENANCE

Absolute Aviation on site to finish wiring ULV system.

Worked on final installs on the ULV and liquid systems. Had ULV system working then ran into electrical power problem. ULV system is "down".

Greg Dorsey on site to troubleshoot spray system problem. Only available 2 hours. Unable to resolve the problem.

Waiting on mechanic availability to address issue.

ADMINISTRATIVE

Inspected by FAA team for our Part 137 certification. Inspection went well, still awaiting final result on certification.

Delivered Independent Contractor agreement to Mechanic Greg Dorsey, awaiting signature.

Assisted Volusia MCD conducting pilot interviews

Received updated and approved Congested Area Plan (CAP) from FAA, new format good till April 2020

Conducted required aircrew training with Kai, Morgan, Steven and Caroline. Written test and practical exercise completed by all 4. Tests on file.

Completed my FAA annual flight physical. Certificate on file.

Attended aerial planning committee meeting at AMCD.

Planning for droplet characterization tests.

Paul Leone

Aviation Operations

Anastasia Mosquito Control District

904-814-7293

904-669-2698

**UNFINISHED
BUSINESS
#3**

Anastasia Mosquito Control District of St. Johns County

120 EOC Drive, St. Augustine, Florida 32092

PH: (904) 471-3107 • Fax (904) 471-3189 • Web Address: www.amcdsjc.org

MEMO

DISTRICT DIRECTOR

Dr. Rui-de Xue

BOARD OF COMMISSIONERS:

*Gary Howell, Chairperson
Jeanne Moeller, Vice-Chairperson
Gina LeBlanc, Secretary/Treasurer
Don Girvan, Commissioner
Trish Becker, Commissioner*



TO: Board of Commissioners

FROM: Dr. Rui-De Xue, Director

CC: Charolette M. Hall, Administrative Assistant

DATE: June 20, 2019

RE: AMCA Washington, D.C., Legislative Conference (May 14-15, 2019) Report

Commissioner Jeanne Moeller will give a report on the AMCA Washington, D.C. Legislative Conference that she and Dr. Rui-De Xue attended on May 14th and 15th, 2019.

The Agenda for the Conference is attached.



21st Annual AMCA Washington Conference

May 14–15, 2019 | The Hilton Old Town
Alexandria, VA

PROGRAM

Subject to Change



Monday, May 13

- 10:00 am – Noon **Young Professionals Advisory Group Meeting (closed meeting) (Madison)**
3:00 pm – 6:00 pm **Registration Open (Marble Foyer)**

Tuesday, May 14

7:30 am – 8:30 am **Breakfast (Salon A/B Foyer – Sponsored by Valent)**

7:30 am – 5:00 pm **Registration (Salon A/B Foyer)**

8:30 am – 12:15 pm **Morning Session (Grand Ballroom)**
Moderator, Ary Faraji, PhD

Introductions

8:30 AMCA President's Welcome – *Jason Kinley (AMCA President)*

8:40 Meeting Introduction – *Angela Beehler (Legislative & Regulatory Chairwoman)*

Endangered Species Act and the Vector Control Toolbox

9:00 Update on Activities of the Agency – *Speaker TBA*

9:30 Compliance Services International – FIFRA Endangered Species Task Force – *Ashlea Frank*

10:00 The Past, Present, and Future Role of the IR-4 Project in Registration of Public Health
Pesticide Technology – *Jerry Baron (Executive Director, IR-4 Project)*

10:20 – 10:45 am **Break (Salon A/B Foyer – Sponsored by Valent)**

Federal Funding – Building Vector Capacity / Advanced Innovation and Discovery

10:45 NACCHO Follow-up Assessment of Vector Control Capacity in the US – *Speaker TBA*

11:10 CDC Division of Vector Borne Diseases – Projects and Goals of the CDC DVBD and Needs
for the Future – *Roxanne Connelly (PhD, BCE (Centers for Disease Control))*

11:30 Explanation of the ELC Grant Mechanism and Application Process –
Roxanne Connelly, PhD, BCE (Centers for Disease Control)

11:45 One Health Initiative – *John Haynes (Program Manager, NASA Health and Air Quality
Applications) and Helena Chapman, MD PhD*

12:15 pm – 1:30 pm **Lunch – On your own**

1:30 pm – 5:00 pm **Afternoon Session – (Grand Ballroom)**
Moderator, TBA

Strategy for Capitol Hill visits

1:30 What to Expect on Capitol Hill – *Mark Newberg (Director of Corporate Affairs, Central Life
Sciences)*

1:45 How to Organize Your Packet and Message According to Committee Appointments – *Karen
Williams (Senior Legislative Advisor, McDermott, Will and Emery)*

2:00 Effectively Communicating the Message – *Jared Dever*





Tuesday, May 14 (continued)

Issue Papers

- 2:20 Federal Funding – Funding for the CDC DVBD, RCOEs, IR4 – Gary Goodman (*Federal Funding Chair*)
- 2:40 SMASH Act – Funding at a Local Level – Herff Jones (*AMCA Regional Representative*)
- 3:00 ESA Considerations in Mosquito Control – How New Species Listing can Affect your Program – Mark Clifton (*AMCA Regional Representative*)

3:20 pm – 3:45 pm Break – (Salon A/B Foyer – Sponsored by Clarke)

- 3:45 Best Management Practices in Mosquito Control that Minimize Impacts on Non-targets – Mike Riles (*ESA Chair*)
- 4:00 NPDES – REDTAPE Act (H.R. 890) and Status of NPDES Lawsuits – Gary Goodman (*Clean Water Act Chair*)
- 4:15 UAS – Update on the UAS Subcommittee Activities and Goals – Joel Buettner (*Unmanned Aircraft Systems Chair*)
- 4:30 Follow-up on the Handbook for Mosquito Control on Refuges – Bill Meredith (*Federal Lands Chair*)
- 4:45 Close, Inspire – Joe Conlon (*AMCA Technical Advisor*)
- 5:00 Adjourn

5:30 pm – 7:30 pm Reception – (Open Bar, Hors D'oeuvres) at The Hilton Old Town Alexandria – (Outdoor Courtyard – Sponsored by Central Life Sciences). Mingle with your meeting colleagues and practice delivering your message over delicious food and drinks.

Wednesday, May 15

7:00 am – 9:00 am Registration

7:30 am – 8:30 am Breakfast (Salon A/B Foyer – Sponsored by ADAPCO)

9:00 am Capitol Hill Office Visits – CHARGE

- Pre-scheduled meetings with your Senators, Representatives, and/or Legislative Aides & possibly some impromptu visits
- Lunch is on your own when making your rounds

THANK YOU WASHINGTON CONFERENCE SPONSORS:



Wednesday morning breakfast



Meeting badges



Congressional Handbooks



Travel stipend support to help enable 8 people to attend Tuesday Reception Conference Bags



Afternoon break



Tuesday breakfast & morning break

IN 2019 WE WILL BE EDUCATING LAW MAKERS ON THE FOLLOWING ISSUES:

- **SMASH Act** – The Strengthen Mosquito Abatement for Safety and Health Act will reauthorize federal funding for vector control efforts on a local level, as needed.
- **Federal funding** to build vector control capacity –
 - We need trained professionals on the federal, state, and local level to monitor, prevent and control mosquitoes.
 - We support new mosquito control products to the market. We also need to maintain our current "toolbox". To do this, we need funding for research, labs, regulatory costs, diagnostic tools, and training.
- **Endangered Species Act reform** - Congress should direct the Services to implement measures to ensure that ESA decisions are based upon peer-reviewed and validated science, transparency, and the rule of law.
- **REDTAPE Act**- If you apply pesticides over, to or near water, your risk of third-party lawsuits will be significantly reduced when Congress passes legislation clarifying that pesticide applications regulated under FIFRA do not require NPDES permits.

LEGISLATIVE ISSUES

Mosquito control professionals are responsible for protecting humans and wildlife from diseases transmitted by the world's most dangerous animal – the mosquito. According to the Centers for Disease Control and Prevention (CDC), improved mosquito control capability is needed to prevent the increasing emergence and spread of exotic diseases such as Zika and West Nile Virus.



AMCA Supports Increased Funding To Improve Local Mosquito-Borne Disease Control Capacity.

The Strengthening Mosquito Abatement for Safety and Health Act (H.R. 345) enjoys broad bipartisan support and would provide grants for local mosquito control programs in FY 2020 through FY 2024. An additional increase in the CDC's budget to \$200 million per year is needed to fund critical vector monitoring, control, and disease reporting measures. Congress should also fund the continuation of the United States Department of Agriculture (USDA) Interregional Research Project No. 4 (IR-4) Public Health Pesticides Program, which provides vital assistance for research studies supporting regulatory requirements for vector control products needed to maintain public health and welfare.



AMCA Supports H.R. 890: *The Reducing EPA Duplication to Advance Pesticide Enforcement Act (REDTAPE Act).*

Public health pesticide applications are already fully regulated under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The 2009 6th Circuit Court decision ignored original Congressional intent and added an additional, unnecessary layer of costly administrative overhead by requiring entities to obtain a National Pollutant Discharge Elimination System (NPDES) permit under the Clean Water Act. The REDTAPE Act would eliminate this redundant requirement that provides no additional environmental benefit while squandering critical resources.



AMCA Supports Reform of the Endangered Species Act (ESA) to Realistically Assess Potential Impacts of Mosquito Control Operations on Listed Species.

The EPA, U.S. Fish and Wildlife Service, and the National Marine Fisheries Service should base Endangered Species Act (ESA) decisions on probabilistic risk assessments based on realistic pesticide usage data and updated critical habitat assumptions. Products used for controlling mosquitoes, such as malathion, are currently being restricted if there is a one-in-a million chance of directly impacting a single individual in a listed species. Effects on the entire population should be considered, not a single individual.

The current risk assessments failed to incorporate the best available science. Actual risk should be the universal standard, not problematic assumptions based on outdated data and exaggerated use patterns. The AMCA does not question the need for ESA, but clearly recognizes that the current interpretation and implementation of its contents needlessly jeopardizes the health of humans and wildlife by restricting mosquito control methods.

UNFINISHED BUSINESS

#4

Anastasia Mosquito Control District of St. Johns County

120 EOC Drive, St. Augustine, Florida 32092

PH: (904) 471-3107 • Fax (904) 471-3189 • Web Address: www.amcdsjc.org

MEMO

DISTRICT DIRECTOR

Dr. Rui-de Xue



BOARD OF COMMISSIONERS:

*Gary Howell, Chairperson
Jeanne Moeller, Vice-Chairperson
Gina LeBlanc, Secretary/Treasurer
Don Girvan, Commissioner
Trish Becker, Commissioner*

TO: Board of Commissioners

FROM: Dr. Rui-De Xue, Director

CC: Charolette M. Hall, Administrative Assistant

DATE: June 20, 2019

RE: Legislative Session Report on Items Pertaining to Special Districts and/or Mosquito Control

Our District Attorney, Mr. Wayne Flowers, will give an update report on any items from the Legislative Session that pertains to Special Districts and/or Mosquito Control.

**NEW
BUSINESS
#1**

Anastasia Mosquito Control District of St. Johns County

120 EOC Drive, St. Augustine, Florida 32092

PH: (904) 471-3107 • Fax (904) 471-3189 • Web Address: www.amcdsjc.org

2019 MEMO

DISTRICT DIRECTOR

Dr. Rui-De Xue



BOARD OF COMMISSIONERS:

Gary Howell, Chairperson
Jeanne Moeller, Vice-Chairperson
Gina LeBlanc, Secretary/Treasurer
Don Girvan, Commissioner
Trish Becker, Commissioner

TO: Board of Commissioners

FROM: Dr. Rui-De Xue, Director and Mr. Edward Zeszutko, Education Specialist

CC: Charolette M. Hall, Administrative Assistant

DATE: June 5, 2019

RE: National Mosquito Control Awareness Weeks Plans and Open House Update Reports

The National Mosquito Control Awareness Week is being held Monday, June 24, 2019 through Friday, June 28, 2019. Our plans for that week are: to have a Public Service Announcement on Beach Radio 105.5 and we will also have additional social media posts. There will be a question of the day every day, and each day of mosquito awareness week we will showcase a different aspect of our mosquito control programs; for example: one day will be research day where I would post more about what kind of research we do and what projects are going on and there will also be a "What species of mosquito are you?" personality quiz that will be posted on Facebook. We will also be doing presentations at the summer camps.

The AMCD Open House will be held on Thursday, June 27, 2019 from 4 - 7 P.M. Our plans for the Open House are: to have a mosquito larvae pool where people can use a dip net to dip for larvae and then feed the larvae to Gambusia fish. There will be a "Misidentified Mosquito" table where we will show the guests what insects are commonly mistaken for mosquitoes, a table where we will have specimens that are predators of mosquito larvae, lab demonstrations, and we will be giving tours to our guests to show them our buildings and equipment, and explaining to them how everything works. We will also have a table that will have SIT male mosquitoes and Wolbachia infected male mosquitoes, provided by MosquitoMate staff, along with posters for explanation and the staff to answer questions.

**NEW
BUSINESS
#2**

Charolette Hall

From: Dr. Rui-De Xue <xueamcd@gmail.com>
Sent: Monday, June 3, 2019 3:27 PM
To: 'TBecker4AMCD'; 'Kay Gaines'; 'Edward Zeszutko'; 'Caroline Efstathion'; 'Dena Autry'; 'Richard Weaver'; 'Kai Blore'; ssmoleroffamcd@gmail.com; 'Charolette Hall'
Cc: xueamcd@gmail.com
Subject: Education committee meeting will be combined with DOH & AMCD Collaboration meeting, June 19 at 10am

Dear Commissioner Mrs. Becker:

The Education Committee Meeting (original schedule on June 13 at 4pm has been cancelled) will be combined with AMCD & DOH annual collaboration meeting together at DOH, June 19 at 10am.

I will send the proposed agenda for the collaboration and education committee meetings soon.

Thanks,

Rudy Xue, Ph.D.
Director

**NEW
BUSINESS**

#3

Anastasia Mosquito Control District of St. Johns County

120 EOC Drive, St. Augustine, Florida 32092

PH: (904) 471-3107 • Fax (904) 471-3189 • Web Address: www.amcdsjc.org

MEMO

DISTRICT DIRECTOR

Dr. Rui-de Xue



BOARD OF COMMISSIONERS:

*Gary Howell, Chairperson
Jeanne Moeller, Vice-Chairperson
Gina LeBlanc, Secretary/Treasurer
Don Girvan, Commissioner
Trish Becker, Commissioner*

TO: Board of Commissioners

FROM: Dr. Rui-De Xue, Director

CC: Charolette M. Hall, Administrative Assistant

DATE: June 20, 2019

RE: FY 19/20 DRAFT Budget Discussion

The FY 2019/2020 Draft Budget Book was put on the table at the May 9, 2019 Board meeting for you to take and review. Please remember to bring your DRAFT Budget books with you to the June 20, 2019 Board meeting.

If there are any changes to the draft budget that you see are needed, please meet with me prior to the First Public Hearing, which will be held on Thursday, September 12, 2019.

Thank you.

REPORTS

Director Report (May 2019)

Program Management:

1. Customer and professional service: AMCD answered 111 service requesters. Dr. Xue reviewed 2 manuscripts for *Journal of Asian Pacific Entomology* and *Acta Tropica* at the editor's requests. Commissioner Mrs. Moeller and Dr. Xue attended AMCA legislation meeting. Dr. Xue and adjunct senior arbovirologist Dr. Mike Turell attended and gave presentations at the 6th International Forum for Surveillance and Control of Mosquitoes and Vector-borne Diseases.
2. Surveillance: So far, two sentinel chickens tested positive of EEEs and BG traps collected 1,661 *Aedes* (452) and *Culex* (1,209) mosquitoes. CDC light traps caught 990 mosquitoes, included 81 *Culex*, 869 *Anopheles* and 40 *Cs. melanura*. It was dry in May.
3. Operation control: AMCD MCTs did not conduct truck-mounted ULV spray in May, did barrier treatments for 38 times for 4 acres, and hand spraying for 23 times. Positive larval dips were 158 and treated larvae for 125 times for 512 acres. Provided aerial training, worked on final installs on the ULV system,
4. Applied research: Received \$32K from LampFarm, Inc. for additional spatial repellent device test. Work with ThermCell repellent device testing protocol with company and received \$7,500 (50% deposit). Received \$9K (50% down payment) from a company for larvicide testing. Completed LC50 and PBO with tolfepryrad ratio testing for MGK. MosquitoMate project in St. Augustine South is running well. SIT & ATSB project has been conducted by a visiting scientist.
5. Education: New employee training (Education Specialist. Intern students, and seasonal employees have been conducted by staff). Staff update website, face books, attended women's club, gave presentation at Otis Mason Elementary, schedule for radio stations, tabling at Hastings FOCUS event, signed up to table at Flagler Career Expo.

Business Management:

6. Serve to the Board of Commissioners: Staff prepared for May 9's Board meeting and planning committee meeting documentations.
7. Budget and auditor: The Board approved the renewal of auditor for FY19-20, Draft budget books have been distributed to Board members on May 9.
8. Insurance: staff checked and added the new fuel tank insurance.
9. Contract: Worked out the arthropod control agreements with State park and St. Johns Water Management District for Board approval.
10. HR. New Education Specialist starts from May 13. Four seasonal employee start from May 1 and one seasonal employee stars from May 13. One intern from UNF starts from May 8. The Field Biologist Tom Columbus decided to resign his position.

Meeting:

May 1. 9:30am. Attended planning Committee meeting with Commissioner LeBlanc. Met seasonal employees

May 2. Attended MosquitoMate teleconference

May 6. Pick up SIT mosquitoes and met Dr. Kline about collaboration. Met Barry Scott about his complain about his vehicle at 1:30pm

May 7. Conduct repellent test with SIT mosquitoes. 11am. Calling in for the FCCMC meeting.

May 8. 8:30am. Attended EOC meeting. Met an intern student.

May 9. Met Paul, Richard, and Kay about aerial spraying and hot spots. 5pm. Attended Board meeting.

May 10. 10am. Hold staff meeting.

May 13. Reviewed manuscripts for J. Asian Pacific Entomology, Acta Tropica. 1-2pm. Met ADAPCO representatives. 3pm. Travel to DC for AMCA legislation meeting

May 14 & 15. Attended AMCA DC legislation meeting with Commissioner Mrs. Moeller

May 16. Conduct repellent test. Attended MosquitoMate teleconference. 2:30pm. Met Kay Gaines and Tom Columbus about employees' and Commissioner Complaints.

May 17. 10am. Hold a group meeting about working schedule

May 20-25. Vacation

May 26. 4pm. Attended 6th IFSCMVD committee and board meeting

May 27. Hold the 6th IFSCMVD meeting and gave the conference presidential address

May 28-29. Attended the conference.

May 31. Hold the Taipei vector control workshop and gave a presentation about modifying traps and a novel trap for mosquito collection.

Treatment Summary May 2019

From Date : 05-01-2019

To Date : 05-31-2019

Zone : All

Material : All

Task : All

Material	Amount	Area Treated	Application Rate	Times
Altosid WSP	1796 ea	5.57 acre	322.68 ea / acre	25 times
Altosid XR	87 ea	0.2 acre	435.54 ea / acre	9 times
Altosid XRG	320 lb	53.33 acre	6 lb / acre	7 times
Aquabac XT	2472 fl oz	309 acre	8 fl oz / acre	54 times
B.t.i. Briquets	24 ea	0.06 acre	435.54 ea / acre	3 times
Cocobear	116 fl oz	0.3 acre	384.02 fl oz / acre	10 times
Duet 50%	144 fl oz	91.72 acre	1.57 fl oz / acre	4 times
Natular DT	35 ea	0.01 acre	6666.67 ea / acre	6 times
Sustain MBG	1080 lb	144 acre	7.5 lb / acre	11 times
Talstar P	3.32 gal	9.84 acre	0.34 gal / acre	38 times

Task Time Summary May 2019

From Date : 05-01-2019

To Date : 05-31-2019

Zone : All

Employee Name : All

Task Time Summary			
Task	Total Time	Total Timesheets	Total Time
Administrative	1021:23 hrs	318	
Admin Leave	55:30 hrs	7	
Adulticide	49:07 hrs	38	
Air Program	81:02 hrs	27	
AM Briefing	94:38 hrs	267	
Annual Leave	377:15 hrs	70	
Assist	82:51 hrs	30	
Building & Grounds Work	402:58 hrs	202	
Chicken Program	225:47 hrs	209	
Computer Repair	87:29 hrs	23	
Daily Paperwork	91:52 hrs	271	
Field Experiment	58:47 hrs	23	
Fish Program	01:13 hrs	1	
Fog Mission Serv Req	01:00 hrs	1	
Hand Adulticide	19:23 hrs	23	
Holiday	154:30 hrs	19	
Insectary	89:30 hrs	38	
Inventory	06:47 hrs	5	
Lab Experiment	28:30 hrs	17	
Landing Rate	07:52 hrs	47	
Larvicide	158:09 hrs	125	
Leave Without Pay	25:15 hrs	4	
Mechanics Time	263:21 hrs	68	
Meeting	141:35 hrs	75	5406:45 hrs
Mosq Gravid Trap DNA	07:30 hrs	2	
Mosquito Trap BG	28:26 hrs	103	
Mosquito Trap CDC Oc	173:03 hrs	362	
Mosquito Trap ID	26:32 hrs	19	
Mosquito Trap OV	04:57 hrs	48	
Mosquito Traps Misc	146:50 hrs	71	
Other	01:00 hrs	1	
Produce Papers & Programs	84:55 hrs	31	
Public Relations	27:15 hrs	17	
Public School Program	12:09 hrs	2	
Resupplying Trucks	58:39 hrs	124	
Sick Leave	105:15 hrs	17	
Sick/Personal Leave	08:00 hrs	1	
Site Inspect	979:56 hrs	601	
Source Reduction (tires)	02:15 hrs	2	
Supervisory	45:44 hrs	24	
Training Classroom	47:13 hrs	21	
Training Field	78:35 hrs	24	
Travel	21:45 hrs	11	
Trim Trails	05:45 hrs	5	
Vehicle Maintenance	15:17 hrs	25	

CDC Octenol Trap May 2019					
5/1/2019					
To :					
5/31/2019					
Trap Type :					
CDC Octenol					
Species Name	2019 05				Species Total
	7	14	21	29	
Ae aegypti	0	0	0	0	0
Ae albopictus	2	1	0	1	4
Ae atlanticus	6	0	0	1	7
Ae canadensis	0	0	0	0	0
Ae fulvus pallens	0	0	0	0	0
Ae infirmatus	1	2	1	0	4
Ae mitchellae	0	0	0	0	0
Ae signifera	0	0	0	0	0
Ae sollicitans	0	0	0	0	0
Ae taeniorhynchus	1	0	0	2	3
Ae triseriatus	0	0	0	0	0
Ae vexans	1	0	0	0	1
An atropos	0	0	0	0	0
An bradleyi	0	0	0	0	0
An crucians	581	90	85	113	869
An perplexens	0	0	0	0	0
An punctipennis	0	0	3	0	3
An quadrimaculatus	2	2	1	0	5
An walkeri	0	0	0	0	0
Cq perturbans	20	7	8	11	46
Cs inornata	0	0	0	0	0
Cs melanura	14	13	5	8	40
Cx coronator	2	0	0	1	3
Cx erraticus	25	23	10	23	81
Cx nigripalpus	4	2	0	1	7
Cx quinquefasciatus	8	4	2	1	15
Cx restuans	0	2	1	1	4
Cx salinarius	22	4	1	3	30
Cx territans	0	0	0	0	0
Ma dyari	0	0	0	0	0
Ma titillans	0	0	0	0	0
Or signifera	0	0	0	0	0
Ps ciliata	0	0	0	0	0
Ps columbiae	0	0	0	0	0
Ps cyanescens	0	0	0	0	0
Ps ferox	0	0	0	0	0
Ps howardii	0	0	0	0	0
Tx rutilus	0	0	0	0	0
Ur lowii	0	0	0	2	2
Ur sapphirina	8	6	3	6	23
Wy Mitchellii	2	0	0	1	3
Daily Total	699	156	120	175	1150

Malaria vector
WNV/SLE vector
EEE vector
Dengue, yellow fever, chick-v, Zika

BG Trap May 2019					
5/1/2019					
To :					
5/31/2019					
Trap Type :					
BG					
Species Name	2019 05				Species Total
	7	14	21	29	
Ae aegypti	8	15	25	34	82
Ae albopictus	36	46	197	91	370
Ae atlanticus	2	1	0	2	5
Ae canadensis	0	0	0	0	0
Ae fulvus pallens	0	0	0	0	0
Ae infirmatus	3	5	8	0	16
Ae mitchellae	0	0	0	0	0
Ae signifera	0	0	0	0	0
Ae sollicitans	0	0	1	0	1
Ae taeniorhynchus	0	0	4	0	4
Ae triseriatus	0	0	0	0	0
Ae vexans	0	0	0	0	0
An atropos	0	0	1	0	1
An bradleyi	0	0	0	0	0
An crucians	16	40	1	12	69
An perplexens	0	0	0	0	0
An punctipennis	0	0	0	0	0
An quadrimaculatus	12	18	9	1	40
An walkeri	0	0	0	0	0
Cq perturbans	0	5	0	0	5
Cs inornata	0	0	0	0	0
Cs melanura	0	3	7	0	10
Cx coronator	0	0	0	3	3
Cx eraticus	6	7	23	17	53
Cx nigr palpus	18	32	2	1	53
Cx quinquefasciatus	190	389	425	205	1209
Cx restuans	11	13	17	4	45
Cx salinarius	5	13	1	0	19
Cx territans	0	0	0	0	0
Ma dyari	0	0	0	0	0
Ma titillans	0	0	0	0	0
Or signifera	0	0	0	0	0
Ps ciliata	0	0	0	0	0
Ps columbiae	0	0	0	0	0
Ps cyanescens	0	0	0	0	0
Ps ferox	0	0	0	0	0
Ps howardii	0	0	0	0	0
Tx rutilus	0	0	0	0	0
Ur lowii	0	0	0	0	0
Ur sapphirina	0	0	0	0	0
Wy Mitchellii	10	1	4	6	21
Daily Total	317	588	725	376	2006

Malaria vector
WNV/SLE vector
EEE vector
Dengue, yellow fever, chick-v, Zika