NuGenesis Entry Sheet (Login)

- ○ Workorder 15855
- ○ Sample ID P42712
- ○ Client EVPA
- ○ Other

NuGenesis Project Laboratory Information:

Documentation:

- ☒ Header Sheet
- ☒ Field Data
- ☒ Field Notes

Login:

- ☒ Manual
- ☐ HFDM

Entered
Signature _____ Date: _____

Requested by
Signature [signature] Date: 6/02/01

QUARTERLY - DAY 2 - JUNE

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

May, 28, 2009 02:55 PM

KAL 6-2-09 688

Collector 1: ~~EVPA USFW1~~

Collector 2: 972

Collector 3:

Prelogin Number: P42712

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
P42712-1	EVPA	6-2-09	0850	LOX6			2	SAMP	MON	G	SW		.12	.24		8
Comments: DCS: 24m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42712-2	EVPA			LOX11			2	SAMP	MON	G	SW		.10	.19		2
Comments: DCS: 37m																
ACODES: ~~ALKA, APA, CA~~, CL, ~~COLOR, DOC, K, MG, NA~~, NH4, NO2, NOX, ~~OPO4, SIO2~~, SO4, ~~TDKN, TDPO4, TDS, TKN, TOC, TOTFE~~, TPO4, ~~TSS, TURB~~																
P42712-3	EVPA		0920	LOXA124			2	SAMP	MON	G	SW		.09	.18		1
Comments: DCS: 38m																
ACODES: TPO4																
P42712-4	EVPA		0935	LOX13			2	SAMP	MON	G	SW		.16	.31		8
Comments: DCS: 45m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42712-5	EVPA		0945	LOX14			3	SAMP	MON	G	SW		.24	.47		8
Comments: DCS: 55m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42712-6	EVPA		0955	LOX16			4	SAMP	MON	G	SW		.22	.42		8
Comments: DCS: 50m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																

Parameters Crossed out by: KAL

Collector Initials (non-signature pages only): AKM

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

May, 28, 2009 02:55 PM

Prelogin Number: P42712

KAL 6.2.09

Collector 1: ~~EVPA-USFW1~~ 688

Collector 2: 972

Collector 3:

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
P42712-7	EVPA	6.2.09	1005	LOX15			4	SAMP	MON	G	SW		.30	.59		8
Comments: DCS: .96m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42712-8	EVPA		1022	LOX12			3	SAMP	MON	G	SW		.30	.60		8
Comments: DCS: .71m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42712-9	EVPA		1030	Z1			3	SAMP	MON	G	SW		~~1.03~~ .43	.86		1
Comments: DCS: .86m 1.03m												KAL 6.2.09				
ACODES: TPO4 KAL 6.2.09																
P42712-10	EVPA		1045	X1			3	SAMP	MON	G	SW		~~.59~~ .23	.45		1
Comments: DCS: .59m																
ACODES: TPO4 KAL 6.2.09																
P42712-11	EVPA		1055	X4			3	SAMP	MON	G	SW		~~.20~~ .09	.17		1
Comments: DCS: .09m																
ACODES: TPO4 .20m																
P42712-12	EVPA		1421	LOX12				FCEB	MON	G	SW					8
Comments: Field-cleaned equipment blank																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																

Parameters Crossed out by: KAL

Collector Initials (non-signature pages only): ~~KAL~~ AKM

KAL 6.2.09

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

May, 28, 2009 02:55 PM

KAL 6-2-09 688

Prelogin Number: P42712

Collector 1: ~~EVPA-USFWT~~

Collector 2: 972

Collector 3:

Sample ID	Project	Col. Date Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
P42712-13	EVPA	06-02-09 1433	LOX12				FCEB	MON	G	SW					8
Comments: Field-cleaned equipment blank															
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB															

Parameters Crossed out by: KAL

Collector Initials (non-signature pages only): AKM

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

May, 28, 2009 02:55 PM

Prelogin Number: P42712

IGAL 6-2-09

Collector 1: ~~EVRA USFW1~~ 688

Collector 2: 972

Collector 3: _____

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
ADDITIONAL SAMPLES:																
Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Prog	Meth	Mat	First Trigger Date	Depth	Tdepth	SDD	# Bottles
Comments:																
ACODES:																
Comments:																
ACODES:																
Comments:																
ACODES:																

Signature: Kristin Faron

Date: 6.2.09

Reviewed _____

Date: 06.2.09

Relinquished By: _____

Date: _____

Received By: _____

Date: 6/2/09

Courier: _____ **Custody Seal Applied:** _____ **Samples Shipped on ice?** ____ (Y/N) **Custody Seal Intact?** ____ (Y/N)

Tracking#: _____ **Purchase Order#:** _____ **Samples Received on ice?** ____ (Y/N) **Acidified?** Y (Y/N)

ANALYSIS DIV.

2009 JUN -2 PM 3:29

PM REVIEW: _____

Date: _____

Parameters Crossed out by: _____

Collector Initials (non-signature pages only): _____

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District

Field Test Report

Sample Analyst: AKM
IC/ICV Analyst: KAL
CCV Analyst:
Instrument ID#: E37830

IC/ICV Location: Skees Lab
IC/ICV Solution Set ID: SKE 051809
CCV Location: Skees Lab
CCV Solution Set ID: Ske 05/809

Acceptance Criteria:

DO	+/- 0.3 mg/L
Specific Conductance	+/- 5 Percent
pH	+/- 0.2 pH Units

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F
IC 1 (COND)	0	0.0							6-2-09 0740	P
IC 2 (COND)	720.0	719.0	720.8							P
ICV 1 (COND)	200		196.5							P
IC 1 (pH)	7.00	7.09			6.99					P
IC 2 (pH)	10.00	9.99			10.00					P
IC 3 (pH)										P
IC 1 (DO)	8.73	8.79		(2.09) 8.73		22.04				P
P42712-1			249.1	2.21	6.86	27.10			6-2-09 0850	
P42712-2			99.9	3.87	6.49	26.68			0900	
P42712-3			0.0	2.04	6.30	25.94			0920	
P42712-4			144.4	BAL 6.2.09 3.78	6.44	27.55			0935	
P42712-5			295.3	3.44	6.67	27.46			0945	
P42712-6			167.4	2.07	6.68	27.83 (+26.83)			0955	
P42712-7			393.3	2.35	7.05	27.47			1005	
P42712-8			164.1	2.22	6.79	27.59			1022	
P42712-9										
P42712-10										
P42712-11										
P42712-12										
P42712-13										
CCV 1 (COND)	200		199.6						1507	P

KAL 6-2-09

Signature: Kristin Lawson Date: 6-2-09 Reviewed By: Greg Debrie Date: 06-02-09

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District

Field Test Report

Sample Analyst: AKM
IC/ICV Analyst: KAL
CCV Analyst: KAL
Instrument ID#: E37830

IC/ICV Location: Skeels Lab
IC/ICV Solution Set ID: SKE.051809
CCV Location: Skeels Lab
CCV Solution Set ID: SKE 051809

Acceptance Criteria:

DO	+/- 0.3 mg/L
Specific Conductance	+/- 5 Percent
pH	+/- 0.2 pH Units

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F
CCV 2 (COND)	100		99.1							P
CCV 1 (pH)	7.00				7.11					P
CCV 2 (pH)	4.00				4.04					P
CCV 1 (DO)	8.53			8.59		23.34				P

T4.04

ADDITIONAL SAMPLES:

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F

Analyst Signature: Kristin Larson 6.2.09 **Reviewed By:** 6.2.09

Notes:

ANALYSIS DIV.
2009 JUN -2 PM 3:29
RECEIVED

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

EVPA WCA1 NB07
Monthly SW Grab-Marsh

P#: 42712 P42717
Date: 6.2.09

Pilot: Alex
Collectors and Tasks: KAL - notes, sonde processing
Weather: partly cloudy, winds from east to NORTH @ 4 knots
AKM - collection, processing

Methods: One 2L and one 1L nalgene bottles are used for sample collection (2L filled using 1L); sites accessed by float helicopter. Samples processed (FCEB also) and analyzed at District lab on Skees Road.

General Information: DCS = depth to consolidated substrate. Corrected DCS = measured value + .03 m to account for length of tip of PVC pole.

Equipment	Acid (# drops)	H2SO4 E40026		HNO3	
Bucket #'s: STA12 ENR2 Filters: 8558089 Lot #		G/SFO1		C14084	
Tray#'s: WQM#1 STA8	Bt. Size	Sample	Blank	Sample	Blank
Other: Graduated PVC pole, syringes and .45u filters	60 ml	4	4	4	4
	250 ml	16	16	16	16

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
1	0850/AKM	1245/AKM	Lox6	SP	.24	.24	M	Y	25	F

Description of Site: slough w/ lily, thin spike & club rush, bladderwort, a little periphyton; saw grass & tree islands surrounding

Sample desc./comments: used 250ml bottle to fill 1 & 2's
LAB: Dark Brown stain w/moderate small sized SS.

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
2	0900/AKM	~~1250 KAL~~ 0903 AKM 060209 AKM	Lox11	SP	.37	.19	H	Y	35	P

Description of Site: same as Lox6 w/ some mid canopy & longer trees; no club rush or periphyton
SS-P42717-3 AKM 060209

Sample desc./comments: ~~grey brown~~ KAL 6.2.09
almost clear; tiny-sized susp-solids
FIELD description

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
3	1020/AKM	1021/AKM	[illegible]	SP	.38	.18	L	Y	20	P

Description of Site: slough w/ lily, club rush, pickerelweed, thin club rush & a little duckweed, tree islands & saw grass surrounding. dense w/ veg. area - almost enclosed in vegetation.

Sample desc./comments: FIELD description SP. is light brown w/ just a few susp. solids

Signature
6-2-09 Date

Reviewed By
6-2-09 Date

EVPA WCA1 NB07
Monthly SW Grab-Marsh

P#: 42712 P42717
Date: 6.2.09

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
4	0935/AKM	1252/KAL	LOX13	SP	.45	.31	L	Y	30	F

Description of Site: slough w/ lily, bladderwort, club rush, button bush & tree islands & sawgrass SS 42717-3

Sample desc./comments: grey brown w/ light SS
LAB DESCription: grey brown w/ L SS

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type	Corrected DCS (m)	Tdepth (m)	Amount of suspended solids	pH<2?	Approx. dis. (m)	P,F,N
5	0945/AKM	1320/AKD	LOX14	SP	.55	.47	NV	Y	25	F

Description of Site: slough w/ bladderwort & lily; tree islands in dist. nce; sawgrass surrounding
SS-P42717-4

Sample desc./comments: LAB: MED. yellow w/ NVSS

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type	Corrected DCS (m)	Tdepth (m)	Amount of suspended solids	pH<2?	Approx. dis. (m)	P,F,N
6	0955/AKM	1339 KAL	LOX16	SP	.50	.42	H	Y	25	F

Description of Site: slough w/ lily, bladderwort & thin spike rush; trees scattered about & lots of sawgrass & other plants surrounding

Sample desc./comments: ~~slough w/ bladderwort & lily sawgrass & a little cattail~~ yellow-brown w/ various sized susp. solids
KAL 6.2.09

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type	Corrected DCS (m)	Tdepth (m)	Amount of suspended solids	pH<2?	Approx. dis. (m)	P,F,N
7	1005/AKM	1351/AKM	LOX15	SP	.46	.59	L	Y	30	F

Description of Site: dark water due to depth but could still distinguish w/ depth; tone for LOX16 9:50

Sample desc./comments: LAB: Light Brown w/ Light amt of SS

[signature] Signature [signature] Reviewed By
6.2.09 Date 6.2.09 Date

Page 2 of 4

EVPA WCA1 NB07
Monthly SW Grab-Marsh

P#: 42712 42717
Date: 6.2.09

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m) .71	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
8	1022/AKM	1404 KAL	LOX12	SP	~~.60~~ KAL 6.2.09	~~2.20~~	L	Y	.30	F

Description of Site: slough w/ lily (much in bloom), bladderwort & some club rush; sawgrass surrounding & a few trees gauge is 16.42'

Sample desc./comments: LAB: yellow-brown w/various sized SS

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type	Corrected DCS (m)	Tdepth (m)	Amount of suspended solids	pH<2?	Approx. dis. (m)	P,F,N
9	1030/AKM	1032/AKM	7	SP	1.03	.86	L	Y	.05	P

Description of Site: sampled off of float gator hole surrounded by cattail; slowly flew away from site to observe how much water was outside hole that we couldn't land in.

Sample desc./comments: seemed to be quite a bit of water so kept sample.

LAB: Brownish w/ L SS

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type	Corrected DCS (m)	Tdepth (m)	Amount of suspended solids	pH<2?	Approx. dis. (m)	P,F,N
10	1045/AKM	1047/AKM	X1	SP	.59	.45	L	Y	20	P

Description of Site: cleared via machete chopped-up cattail; some water lettuce some pickerelweed

Sample desc./comments: LAB: Light Brown w/ L SS

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type	Corrected DCS (m)	Tdepth (m)	Amount of suspended solids	pH<2?	Approx. dis. (m)	P,F,N
11	1055/AKM	1057/AKM	X4	SP	.20	.17	L	Y	35	P

Description of Site: slough; dead vegetation w/ some grasses & small shrubs coming up; lily & some arrow arum coming in; per AKM, contractor misdiluted treatment chemical & it leached out-extended to ~100+ acres!

Sample desc./comments: also thin spike rush coming back

LAB: Light yellow w/ L SS

Signature: [signature] Date: 6.2.09

Reviewed By: [signature] Date: 6.2.09

EVPA WCA1 NB07
Monthly SW Grab-Marsh

P#: P42712 P42717
Date: 6.2.09

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
P42717-1	1253 KAL	1253 KAL	Log 13 LOX15 AKM 6.2.09	EB	—	—	—	Y	—	P

Description of Site:

Sample desc./comments:

12	1421 / 1425	1425 / AKM	LOX12	FCEB	—	—	NV	Y	—	F

Description of Site:
DI water → Bucket → Bottles → filter + syringe + acidify as needed.

Sample desc./comments:

13	1433 / 1435	1435 / KAL	LOX12	FCEB	—	—	NV	Y	—	F

Description of Site:
DI water → Bucket → Bottles → filter, syringe & acidify as needed

Sample desc./comments: splits will be shipped to FIU EP on 6/3/09

	/	/	NO								

Description of Site: Further Entries

KAL 6.2.09

Sample desc./comments:

Signature 6.2.09 Date

Reviewed By 6.2.09

NuGenesis Entry Sheet (Login)

- ○ Workorder 15971
- ○ Sample ID P42816
- ○ Client EVPA
- ○ Other

NuGenesis Project Laboratory Information:

Documentation:

- ☒ Header Sheet
- ☒ Field Data
- ☐ Field Notes

Login:

- ☒ Manual
- ☐ HFDM

Entered
Signature _____ Date: _____

Requested by
Signature [signature] Date: 6/1/09

QUARTERLY - DAY1 - JUNE

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

May, 28, 2009 02:53 PM

Prelogin Number: P42816

Collector 1: ~~EVPA, USFW1~~ 6/11/09 KLM 995

Collector 2: 570

Collector 3:

6/11/09 MC

RECEIVED SFWMD 2009 JUN -1 PM 2:10

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
P42816-1	EVPA	6/1/09	1159	LOX8				EB	MON	G	SW					8
Comments: Equipment blank																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42816-2	EVPA	6/1/09	0925	LOX7			2	RS	MON	G	SW		.11	.21		8
Comments: Replicate sampleDCS: .30m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42816-3	EVPA	6/1/09	0930	LOX7			2	RS	MON	G	SW		.11	.21		8
Comments: Replicate sampleDCS: .30m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42816-4	EVPA	6/1/09	0836	LOX3			KLM 6/11/09 2	SAMP	MON	G	SW			.03		0
Comments: DCS: Tdepth < .10m, not enough water to sample, DCS: .05m																
ACODES: ~~ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB~~																
P42816-5	EVPA	6/1/09	0841	LOX5			KLM 6/11/09 2	SAMP	MON	G	SW			.08		0
Comments: DCS: Tdepth < .10m, not enough water to sample, DCS.: .10m																
ACODES: ~~ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB~~																
P42816-6	EVPA	6/1/09	0818	LOX10			2	SAMP	MON	G	SW		.06	.12		2
Comments: DCS: .14m																
ACODES: ~~ALKA, APA, CA~~, (CL), ~~COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2~~, (SO4), ~~TDKN, TDPO4, TDS, TKN, TOC, TOTFE~~, (TPO4), ~~TSS, TURB~~																

Parameters Crossed out by: KLM

Collector Initials (non-signature pages only): TCT

RECEIVED SFWMD 2009 JUN -1 PM 3:37

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

MC 6/1/09

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

May, 28, 2009 02:53 PM

Prelogin Number: P42816

KLM 6/1/09

Collector 1: ~~EVPA-USFWT~~ 995

Collector 2: 570

Collector 3:

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
P42816-7	EVPA	6/1/09	0900	LOX9			2	SAMP	MON	G	SW		.07	.13		2
Comments: DCS: .15m																
ACODES: ~~ALKA, APA, CA,~~ CL ~~COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2,~~ SO4 ~~TDKN, TDPO4, TDS, TKN, TOC, TOTFE,~~ TPO4 ~~TSS, TURB~~																
P42816-8	EVPA	6/1/09	0910	LOX8			2	SAMP	MON	G	SW		.15	.30		8
Comments: DCS: .40m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42816-9	EVPA	6/1/09	0920	LOX7			2	SAMP	MON	G	SW		.11	.21		8
Comments: DCS: .30m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42816-10	EVPA	6/1/09	0940	LOXA130			2	SAMP	MON	G	SW		.14	.27		1
Comments: DCS: .27m																
ACODES: TPO4																
P42816-11	EVPA	6/1/09	0945	LOX4			2	SAMP	MON	G	SW		.12	.24		8
Comments: DCS: .27m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42816-12	EVPA	6/1/09	0957	LOXA140			2	SAMP	MON	G	SW		.07	.14		1
Comments: DCS: .17m																
ACODES: TPO4																

Parameters Crossed out by: KLM

Collector Initials (non-signature pages only): JCT

ANALYSIS DIV.
RECEIVED
2009 JUN -1 PM 2:21

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

May, 28, 2009 02:53 PM

KLM 6/11/09

Prelogin Number: P42816

Collector 1: ~~EVPA-USFWS~~ 995

Collector 2: 570

Collector 3:

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
P42816-13	EVPA	6/1/09	1004	LOXA101			2	SAMP	MON	G	SW		.08	.15		~~8~~ 1
Comments: DCS: .17M																KLM 6/11/09
ACODES: TPO4		KLM 6/11/09 1340														
P42816-14	EVPA	6/1/09	~~1200~~	LOX4				FCEB	MON	G	SW					8
Comments: Field-cleaned equipment blank																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42816-15	EVPA	6/1/09	1345	LOX4				FCEB	MON	G	SW					8
Comments: Field-cleaned equipment blank - 2nd equipment train																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																
P42816-16	EVPA	6/1/09	1200	LOX8				EB	MON	G	SW					8
Comments: Equipment blank - 2nd equipment train																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TOTFE, TPO4, TSS, TURB																

Parameters Crossed out by: KLM

Collector Initials (non-signature pages only): JLT

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

May, 28, 2009 02:53 PM

Prelogin Number: P42816

Collector 1: ~~EVPA-USFW1~~ Kim 6/1/09 995

Collector 2: 570

Collector 3:

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
ADDITIONAL SAMPLES:																
Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Prog	Meth	Mat	First Trigger Date	Depth	Tdepth	SDD	# Bottles
Comments:																
ACODES:																
Comments:																
ACODES:																
Comments:																
ACODES:																

Signature: Kara Mike
Date: 6/1/09

Reviewed [signature]
Date: 6-1-9

Relinquished By: Kara Mike
Date: 6/1/09

Received By: [signature]
Date: 6/1/09

Courier: _____ **Custody Seal Applied:** _____ **Samples Shipped on ice?** ____ (Y/N) **Custody Seal Intact?** ____ (Y/N)

Tracking#: _____ **Purchase Order#:** _____ **Samples Received on ice?** ____ (Y/N) **Acidified?** Y (Y/N)

ANALYSIS DIV.

PM REVIEW: _____

Date: _____

2009 JUN -1 PM 2:21

RECEIVED

Parameters Crossed out by: _____

Collector Initials (non-signature pages only): _____

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District

Field Test Report

Sample Analyst: 995
IC/ICV Analyst: 995
CCV Analyst: 995
Instrument ID#: E11870

IC/ICV Location: FOC
IC/ICV Solution Set ID: FOC052009
CCV Location: SKEES
CCV Solution Set ID: SKE051809

Acceptance Criteria:

DO	+/- 0.3 mg/L
Specific Conductance	+/- 5 Percent
pH	+/- 0.2 pH Units

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F
IC 1 (COND)	0.0	0.0	0.0						6/1/09 0655	P
IC 2 (COND)	720	737.1	720							P
ICV 1 (COND)	200		199.7							P
IC 1 (pH)	7.0	7.14			7.0					P
IC 2 (pH)	10.0	10.02			10.0					P
IC 3 (pH)										
IC 1 (DO)	9.021	9.01		9.02		20.42				P
P42816-1 EB										
P42816-2 BS			148.1	2.13	6.37	26.37			6/1/09 0926	
P42816-3 BS			148.1	2.19	6.39	26.38			6/1/09 0931	
P42816-4 LOX3			kvm 6/1/09	kvm 6/1/09	6.85	25.12 kvm 6/1/09			kvm	
P42816-5 LOX5			172.5	2.13		25.12			6/1/09 0850	
P42816-6 LOX10			172.5	2.13		25.12		0850		
P42816-7 LOX9			139.9	3.31	6.78	25.77			6/1/09 0901	
P42816-8 LOX8			142.8	3.57	6.40	25.86			6/1/09 0912	
P42816-9 LOX7			148.9	2.30	6.43	26.39			6/1/09 0921	
P42816-10 LOX10D						2 kvm 6/1/09				
P42816-11 LOX1			327.9	4.42	6.95	26.77			6/1/09 0947	
P42816-12 LOX10D										
P42816-13 LOX4D										
P42816-14										

Signature: Kara Mah Date: 6/1/09 Reviewed By: Tiffany Lane Date: 6-1-9

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District

RECEIVED

Field Test Report

2009 JUN -1 PM 2:28

Sample Analyst: 995
IC/ICV Analyst: 995
CCV Analyst: 995
Instrument ID#: E44870

IC/ICV Location: FOC
IC/ICV Solution Set ID: FOC052009
CCV Location: Skeys
CCV Solution Set ID: Ske051809

Acceptance Criteria:

DO	+/- 0.3 mg/L
Specific Conductance	+/- 5 Percent
pH	+/- 0.2 pH Units

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F
P42816-15										
P42816-16										
CCV 1 (COND)	720		724.8						6/1/09 1920	P
CCV 2 (COND)	100		99.7							P
CCV 1 (pH)	4.0				4.01					P
CCV 2 (pH)	10.0				9.99					P
CCV 1 (DO)	8.63			8.61		22.70				P

ADDITIONAL SAMPLES:

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F

Analyst Signature: 6/1/09 **Reviewed By:** 6-1-9

Notes:

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

EVPA WCA1 NB07 P#: 42810
Monthly SW Grab-Marsh Date: 6/1/09
Quarterly

Pilot: Lee- SFWMD
Weather: Cloudy, ~83°F
slight breeze

Collectors and Tasks:
995 (KLM) - Sonde, notes, process KLM 6/11/09
570 (TLT) - Sample, ~~process~~ process

Methods: One 2L and one 1L nalgene bottles are used for sample collection (2L filled using 1L); sites accessed by float helicopter. Samples processed (FCEB also) and analyzed at District lab on Skees Road.

General Information: DCS = depth to consolidated substrate. Corrected DCS = measured value + .03 m to account for length of tip of PVC pole.

Equipment	Acid (# drops)	H2SO4		HNO3	
Bucket #'s: STA 12, ENR 2	Lot #	E40026		C140B4	
Tray#'s: STA 9, STA 8	Bt. Size	Sample	Blank	Sample	Blank
Other: Graduated PVC pole, syringes and .45u filters	60 ml	4	4	4	4
	250 ml	~~16~~ 12	12	12	12

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H) KLM 6/11/09	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-4	0836/TLT	- / -	LOX3	SP	.05	.03	-	-	-	N

Description of Site:
Spikerush + willow tree islands, sawgrass
Tdepth < .10m, not enough water to sample

Sample desc./comments:
Not enough water to sample. Tdepth = .03m, so not enough to sample.

-5	0841/TLT	- / -	LOX5	SP	.10	.08	-	-	-	N

Description of Site:
Spikerush, willow tree islands, sawgrass
Tdepth < .10m, so no sample collected

Sample desc./comments:
Not enough water to sample, Tdepth = .08m so not enough water to sample

-6	0840/TLT	1229/TLT	LOX10	~~SP~~ 14 KLM 6/11/09	~~12~~ 14 KLM 6/11/09	.12	NV	Y	25	P

Description of Site:
Lots of sawgrass
Lab sample: Med. Brown w/ No visible SS

Sample desc./comments:
Collected partial sample due to Tdepth b/t .10m + .20m

Kara Mills 6/11/09 Signature Date

Tiffany Tran 6-19-09 Reviewed By Date

EVPA WQA: NB07 P#: 42816 KLM, TLT
6/1/09 KLM Monthly SW Grab-Marsh Date: 6/1/09 195, 570
Quarterly

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-7	0900/TLT	1232/TLT	LOX 9	SP	.15	.13	NV	Y	30	P

Description of Site:
Spikerush, sawgrass, willow tree islands, periphyton + detritus floating

Lab sample: Light Brown, No visible SS

Sample desc./comments:
Hard to collect sample because of floating periphyton + detritus

-8	0910/TLT	1240/TLT	LOX 8	SP	.40	.30	L	Y	30	F

Description of Site:
Lilypads, sawgrass, willow tree islands

KLM 6/1/09
*SS P42717-2 (-TPO4 sent to FDEP

Sample desc./comments:
Lab: Light brown stain, one suspended solid

-9	0920/TLT	1245/KLM	LOX 7	SP	.30	.21	L	Y	35 KLM 6/1/09 30	F

Description of Site:
Lilypads, spikerush, sawgrass + willow tree islands, some periphyton + detritus floating

Sample desc./comments:
Lab: Light brown, Light SS

*SS P42717-5 (-TPO4 sent to FDEP

-2 -10 | 0925 TLT | 1310/TLT | ~~LOX 30~~ LOX 7 | RS | .30 | .21 | L | Y | 35 | F

Thanks KLM 6/1/09

Description of Site:
KLM 6/1/09
same description as -9

Sample desc./comments:
Lab: light brown stain, light suspended solids

Kara Mills 6/1/09 Signature Date

Reviewed By Date

EVPA WCA1 NB07 P#: [illegible] 995, 570

Monthly SW Grab-Marsh Quarterly 6/1/09 KLM

Date: 6/1/09

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
~~-11~~ -23	0930/TLT	1315/KLM	~~Lox4~~ LOX7 KLM 6/1/09	RS	.30	.21	L	Y	35	F

Description of Site: KLM 6/1/09

Same description as -9

Sample desc./comments:

Lab: Light brown stain, light suspended solids

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type	Corrected DCS (m)	Tdepth (m)	Amount of suspended solids	pH<2?	Approx. dis. (m)	P,F,N
~~-12~~ -10	0940/TLT	1304/TLT	~~LOXA140~~ LOXA130 KLM 6/1/09	SP	.27	.27	VL	Y	30	F

Description of Site: KLM 6/1/09

Lillypads, spikerush, bladderwort, area surronded by cattails

Sample desc./comments:

Lab sample: Med Brown, very light (3) SS

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type	Corrected DCS (m)	Tdepth (m)	Amount of suspended solids	pH<2?	Approx. dis. (m)	P,F,N
~~-13~~ -11 KLM 6/1/09	0945/TLT	1330/TLT	~~LOXA107~~ LOX4 KLM 6/1/09	SP	.27	.24	L	Y	35	F

Description of Site:

Spikerush, cattails, dead meleuca trees

Sample desc./comments:

Lab: Medium brown stain, light suspended solids

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type	Corrected DCS (m)	Tdepth (m)	Amount of suspended solids	pH<2?	Approx. dis. (m)	P,F,N
-12	0957/TLT	1309/TLT	LOXA140	SP	.17	.14	L	Y	30	F

Description of Site:

spikerush cattails, willow trees surronding area

Sample desc./comments:

Lab sample: Med Brown, Light SS

Kara Mills Signature [signature] Reviewed By

KLM 6/1/09 ~~6/1/09~~ 6/1/09 Date 6-1-9 Date

Page 3 of 5

EVPA WCA1 NB07
6/11/09
Monthly SW Grab-Marsh
Quarterly

P#: T2816
Date: 6/11/09

KLM, TLT
995, 570

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-13	1004/TLT	1305/KLM	LOX8-101	SP	.17	.15	L	Y	30	F 6/11/09 TLT

Description of Site:
Sawgrass, button bush, cattails, club rush

Sample desc./comments:
Light brown stain, light suspended solids

-1	1159/TLT	1200 TLT	LOX9	EB	—	—	—	Y	—	F

Description of Site:
EB, collected + processed at Skees lab

Sample desc./comments:
DI water from skees lab → bucket → bottle [filtered if needed] acidified [if needed]
Sample train 1 = ENR 2 + bucket Tray Sta 19

-16	1200/KLM	1201/KLM	LOX9	EB	—	—	—	Y	—	F

Description of Site:
EB, collected + processed at skees lab.

Sample desc./comments:
DI water from skees lab → bottle KLM 6/11/09 → bucket [filter if needed] → bottle → acidified [if needed]
Sample train #2 = STA 2 bucket + Sta 8 tray

-14	1340/TLT	1341/TLT	LOX4	FCEB	—	—	—	Y	—	F

Description of Site:
FCEB, FCEB performed at skees lab

Sample desc./comments:
DI water from skees lab → bucket → bottle [filter if needed] → acidify (if needed)
sample train 1 # → Bucket ENR2, Tray STA19

Kevin Mick 6/11/09 Signature Date _____ Reviewed By _____ Date _____

EVPA WCA1 NB07
Monthly SW Grab-Marsh
Quarterly

P#: 42816
Date: 6/1/09

KLM, TLT
995, 570

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-15	1345 / KLM	1346 / KLM	LOK4	FCEB	—	—	—	Y	—	F

Description of Site:
FCEB performed at SKEES lab

Sample desc./comments:
DI water from skees lab → bucket → bottle (filter if needed) → acidify
sample train #2 → bucket STA12, tray STA8

Description of Site:
No further samples collected
KLM 6/1/09

Sample desc./comments:

Description of Site:

Sample desc./comments:

Description of Site:

Sample desc./comments:

Signature _____ Date 6/1/09

Reviewed By _____ Date _____

NuGenesis Entry Sheet (Login)

- ☒ Workorder 14667
- ○ Sample ID P41739
- ○ Client EVPA
- ○ Other

NuGenesis Project Laboratory Information:

Documentation:

- ☒ Header Sheet
- ☒ Field Data
- ☒ Field Notes

Login:

- ☒ Manual
- ☐ HFDM

Entered
Signature _____ Date: _____

Requested by
Signature Alison Mooncan Date: 11/13/08

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

Nov, 12, 2008 07:49 AM

IGAL 11-12-08

Prelogin Number: P41739

Collector 1: ~~EVPA-USFWI~~ 570 - TLT

Collector 2: 26 - BS

Collector 3: no collector

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
P41739-1	EVPA	11/13/08	0906	LOX6	0	0	2	SAMP	MON	G	SW		0.28	0.57		7
Comments: DCS: 0.71																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41739-2	EVPA	11/13/08	0925	LOX11	0	0	2	SAMP	MON	G	SW		0.27	0.55		7
Comments: DCS: 0.76																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41739-3	EVPA	11/13/08	0948	LOX13	0	0	3	SAMP	MON	G	SW		0.18	0.37		7
Comments: DCS: 0.48																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41739-4	EVPA	11/13/08	1003	LOX14	0	0	3	SAMP	MON	G	SW		0.40	0.80		7
Comments: DCS: 1.00																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41739-5	EVPA	11/13/08	1015	LOX16	0	0	3	SAMP	MON	G	SW		0.41	0.82		7
Comments: DCS: 1.18																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41739-6	EVPA	11/13/08	1025	LOX15	0	0	3	SAMP	MON	G	SW		0.32	0.65		7
Comments: DCS: 1.25																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																

2008 NOV 13 PM 2:36 SFWMD

Parameters Crossed out by: _____

Collector Initials (non-signature pages only): TLT

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

Nov, 12, 2008 07:49 AM

KAL 11-12-08

Prelogin Number: P41739

Collector 1: ~~EVPA-USFWI~~

Collector 2:

Collector 3:

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
P41739-7	EVPA	11/13/08	10:37	LOX12	D	0	3	SAMP	MON	G	SW		0.48	0.97		7
Comments: DCS: 1.09																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41739-8	EVPA	11-13-8	14:01	LOX12	—	—	—	FCEB	MON	G	SW		—	—		7
Comments: Field-cleaned equipment blank																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41739-9	EVPA	11-13-8	14:10	LOX12	—	—	—	FCEB	MON	G	SW		—	—		7
Comments: Field-cleaned equipment blank - 2nd processor																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																

Parameters Crossed out by: _____

Collector Initials (non-signature pages only): TLT

RECEIVED
2008 NOV 13 PM 2:39
WATER QUALITY
ANALYSIS DIV.

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

Nov, 12, 2008 07:49 AM

Prelogin Number: P41739

Collector 1: ~~EVPA-USFW1~~ ICA 11.12.08

Collector 2:

Collector 3:

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
ADDITIONAL SAMPLES:																
Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Prog	Meth	Mat	First Trigger Date	Depth	Tdepth	SDD	# Bottles
Comments:																
ACODES:																
Comments:																
ACODES:																
Comments:																
ACODES:																

Signature: Robt E Stickler

Date: 11/13/08

Reviewed [signature]

Date: 11.13.08

Relinquished By:

Date:

Received By: Olivson Moonan

Date: 11/13/08

Courier:

Tracking#:

Custody Seal Applied: NA

Purchase Order#:

Samples Shipped on ice? (Y/N)

Samples Received on ice? Y (Y/N)

Custody Seal Intact? (Y/N)

Acidified? Y (Y/N)

PM REVIEW:

Date:

Parameters Crossed out by:

Collector Initials (non-signature pages only):

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District

Field Test Report

Sample Analyst: 26 BS
IC/ICV Analyst: 26 BS
CCV Analyst: 26 BS
Instrument ID#: E43183

IC/ICV Location: FOC
IC/ICV Solution Set ID: FOC 111308
CCV Location: SKEES
CCV Solution Set ID: SKE 111208

Acceptance Criteria:

DO	+/- 0.3 mg/L
Specific Conductance	+/- 5 Percent
pH	+/- 0.2 pH Units

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F
IC 1 (COND)	2000	2034	2000						11/13/08 0720	P
IC 2 (COND)										
ICV 1 (COND)	100		98.8							P
IC 1 (pH)	7.0	6.86			7.00					P
IC 2 (pH)	10.0	10.19			10.00					P
IC 3 (pH)										
IC 1 (DO)	9.06	8.86		9.06		20.18				P
P41739-1			113	5.59	6.85	23.71			11/13/08 0906	
P41739-2			90	3.79 6.24	6.08 11/13/08	23.58			0925	
P41739-3			102	4.36	6.15	24.86			0948	
P41739-4			132	4.49	6.43	23.96			1003	
P41739-5			137	1.31	6.34	22.69			1015	
P41739-6			344	7.74	7.36	24.90			1025	
P41739-7			104	6.48	6.73	24.56			1037	
P41739-8										
P41739-9										
CCV 1 (COND)	100		98						11/13/08 1300	P
CCV 2 (COND)	720		705							P
CCV 1 (pH)	4.0				4.02					P
CCV 2 (pH)	10.0				9.99					P
CCV 1 (DO)	8.50			8.39		23.51				P

Signature: Robert E Stelle Date: 11/13/08 Reviewed By: [signature] Date: 11-13-8

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District

Field Test Report

Sample Analyst: 26 BS
IC/ICV Analyst: 26 BS
CCV Analyst: 26 BS
Instrument ID#: E43183

IC/ICV Location: FOC
IC/ICV Solution Set ID: FOC111308
CCV Location: SKEES
CCV Solution Set ID: SKE111208

Acceptance Criteria:

DO	+/- 0.3 mg/L
Specific Conductance	+/- 5 Percent
pH	+/- 0.2 pH Units

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F

ADDITIONAL SAMPLES:

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F

Analyst Signature: 11/13/08 **Reviewed By:** 11-13-8

Notes:

RECEIVED
2008 NOV 13 PM 2:39
WATER QUALITY
ANALYSIS DIV.

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

Monthly SW Grab-Marsh

Col's: TLT, BS

41739
41733

P#: 41739/41733 Date: 11/13/08 Collectors and Tasks: TLT - collection, process, depths

Pilot: Terry - AirCoastal BS - Field readings, notes

Weather: Partly cloudy, temp ~76°F

Note: H_2SO_4 B09039 used for P41733; E40024 used for P41739 process

Methods: One 2L and one 1L nalgene bottles are used for sample collection (2L filled using 1L); sites accessed by float helicopter. Samples processed (FCEB also) and analyzed at District lab on Skees Road.

General Information: DCS = depth to consolidated substrate. Corrected DCS = measured value + .03 m to account for length of tip of PVC pole.

Equipment TLT/BS	Acid (# drops)	H2SO4		HNO3	
Bucket #'s: ENR14 / STA 12	Lot #	B09039/E40024		C14084	
Tray#'s: ENR5 / STA 10	Bt. Size	Sample	Blank	Sample	Blank
Other: Graduated PVC pole, syringes and .45u filters	60 ml	4	4	4	4
	250 ml	12	12		

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-1	0906 TLT	1232 TLT	LOX 6	SP	0.71	0.57	VL	Y	30	F

Description of Site: P41739 Spikerush, lilies, bladderwort, some sawgrass around perimeter

Sample desc./comments: Lab sample: Light brown, very light (1) suspended solids

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-2	0925/ TLT	1253/ TLT	LOX 11	SP	0.76	0.55	VL	Y	25	F

Description of Site: P41739

Sample desc./comments: Sample is light brown color w/ very light fine susp solids; Bladderwort, lilies, sawgrass, willows, grasses

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
41733 -1	0857 TLT	0938/ TLT	LOX A124	SP	0.74	0.55	NV	Y	20	F

Description of Site: P41733 bladderwort, lilies, spikerush, sawgrass

Sample desc./comments: Sample is clear w/ no visible susp solids; TPO_4 only

Robert E Sukkau
Signature
11/13/08
Date

Reviewed By
11-18-08
Date

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-3	0948/TLT	1311/TLT	LOX13	SP	0.48	0.37	NV	Y	35	F

Description of Site:
P41739 Spikerush, grasses, lilies

Sample desc./comments:
sample is light brown color w/ no visible susp solids

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-4	1003/TLT	1115/BS	LOX14	SP	1.00	0.80	L	Y	30	F

Description of Site:
P41739 bladderwort, lilies, ~~some~~ BS 11/13/08

Sample desc./comments:
sample is light yellow color w/ very light amt of fine susp solids

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-5	1015/TLT	1338/BS	LOX16	SP	1.18	0.82	L	Y	0	F

Description of Site:
P41739 bladderwort, lilies, sawgrass
Water too deep to get off floats - sampled from pontoons

Sample desc./comments:
Sample is light yellow color w/ light amt of fine to coarse susp. solids

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-6	1025/TLT	1334/TLT	LOX15	SP	1.25	0.65	M	Y	0	F

Description of Site:
P41739 Bladderwort, lilies, cattails
Water (DCS) too deep to get off floats - sampled from pontoons

Sample desc./comments:
light to medium brown color w/ moderate amt of fine to medium size susp solids

Robert E Stickler 11/13/08 Signature Date Tiffany Lee 11-13-8 Reviewed By Date

Monthly SW Grab-Marsh

Date: 11/13/08
Col's: TLT, BS

P#: 41739 41733

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-1	1037/TLT	1353/TLT	LOK12	SP	1.09	0.97	VL	Y	0	F

Description of Site:
P41739 Lilies, bladderwort, spikerush, sawgrass
Water too deep to get off float - sample collected from pontoon

Sample desc./comments:
light brown color w/ very light amt (3) of fine susp. solids

-2	1049 TLT	1050 TLT	X1	SP	>1.50	1.20	NV	Y	0	F

Description of Site:
P41733 Cattails surrounding clearing, some willows & periphyton,
Water too deep to get off pontoons, sample collected from float

Sample desc./comments:
TPq only
Sample is lightly stained w/ no visible susp solids

-3	1055 TLT	-/-	X1	SP	1.05	-	-	-	0	N

Description of Site:
P41733 Dead cattails in landing zone & cattails all around
no sample collected, as no clear water column is visible

Sample desc./comments:

-4	1103/TLT	1106/TLT	X4	SP	0.76	0.55	NV	Y	25	F

Description of Site:
lilies, bladderwort, spikerush, looks like some dead sawgrass

Sample desc./comments:
light yellow color w/ no visible susp. solids

Robert E Stukes
Signature
11/13/08
Date

Reviewed By

Monthly SW Grab-Marsh

Date: [illegible] Col's: TLT, BS

F#: 41739 41733

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
-8	1400 BS	1401 BS	LOK 12	FCEB	-	1	-	Y	-	F

Description of Site:
P41739

Sample desc./comments:
FCEB - DI water → bucket → syringe/filter as reqd → bottles

-9	14:10 TLT	14:11 TLT	LOK 12	FCEB	-	-	-	Y	-	F

Description of Site:
P41739

Sample desc./comments:
FCEB - DI Water → Bucket → syringe/ filter as needed → bottles

	/	/								

Description of Site:

Sample desc./comments:
No Further Entries

	/	/								

Description of Site:

Sample desc./comments:

R&E Stubbs 11.3/09 Signature [signature] Reviewed By

NuGenesis Entry Sheet (Login)

- ⊗ Workorder 146663
- ○ Sample ID P41734
- ○ Client EVPA
- ○ Other

NuGenesis Project Laboratory Information:

Documentation:

- ☒ Header Sheet
- ☒ Field Data
- ☐ Field Notes

Login:

- ☒ Manual
- ☐ HFDM

Entered
Signature _____ Date: _____

Requested by
Signature Alison Mornican Date: 11/10/08

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

Nov, 10, 2008 07:10 AM

Prelogin Number: P41734

IGAL 11·10·08

Collector 1: ~~7500WMD~~ 972

Collector 2: 688

Collector 3:

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
P41734-1	EVPA	11.10.08	0857	LOX3			/	SAMP	MON	G	SW		.11	.22		7
Comments: DCS .36m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41734-2	EVPA		0914	LOX5				SAMP	MON	G	SW		.12	.23		7
Comments: DCS .41m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41734-3	EVPA		0929	LOX10			/	SAMP	MON	G	SW		.19	.38		7
Comments: DCS .52m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41734-4	EVPA		0940	LOX9			/	SAMP	MON	G	SW		.27	.54		7
Comments: DCS .66m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41734-5	EVPA		0953	LOX8			/	SAMP	MON	G	SW		.28	.56		7
Comments: DCS .59m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41734-6	EVPA		1006	LOX7			/	SAMP	MON	G	SW		.30	.59		7
Comments: DCS .62m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																

2008 NOV 10 PM 2:50
ANALYSIS SECTION
RECEIVED

Parameters Crossed out by: KAL

Collector Initials (non-signature pages only): AKM

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

Nov, 10, 2008 07:10 AM

KAL 11.10.08

Prelogin Number: P41734

Collector 1: ~~7590WMD~~ 688

Collector 2: 972

Collector 3:

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
P41734-7	EVPA	11.10.08	1027	LOX4				SAMP	MON	G	SW		.20	.39		7
Comments: DCS .62 /m																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41734-8	EVPA		1355	LOX4				FCEB	MON	G	SW					7
Comments: Field-cleaned equipment blank																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																
P41734-9	EVPA		1355	LOX4				FCEB	MON	G	SW					7
Comments: Field-cleaned equipment blank - 2nd processor																
ACODES: ALKA, APA, CA, CL, COLOR, DOC, K, MG, NA, NH4, NO2, NOX, OPO4, SIO2, SO4, TDKN, TDPO4, TDS, TKN, TOC, TPO4, TSS, TURB																

RECEIVED
2008 NOV 20 PM 2:55
WATER QUALITY
ANALYSIS

Parameters Crossed out by: KAL

Collector Initials (non-signature pages only): AKM

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District, DHRS Certification E46077

Prelogin Summary Report

Nov, 10, 2008 07:10 AM

KAL 11.10.08

Prelogin Number: P41734

Collector 1: ~~7500WMD~~ 688

Collector 2: 97z

Collector 3: _____

Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Program	Method	Matrix	First Trigger Date/Time	Depth	Tdepth	SDD	# Bottles
ADDITIONAL SAMPLES:																
Sample ID	Project	Col. Date	Time	Station	UD	DS	WE	Type	Prog	Meth	Mat	First Trigger Date	Depth	Tdepth	SDD	# Bottles
Comments:																
ACODES:																
Comments:																
ACODES:																
Comments:																
ACODES:																

RECEIVED 2008 NOV 10 PM 2:50 SFWMD LABORATORY ANALYSIS DIV.

Signature: Kristin Allison **Reviewed** _____ **Relinquished By:** _____ **Received By:** Alison Moorman

Date: 11-10-08 **Date:** 11/10/08 **Date:** _____ **Date:** 11/10/08

Courier: _____ **Custody Seal Applied:** NA **Samples Shipped on ice?** ____ (Y/N) **Custody Seal Intact?** ____ (Y/N)

Tracking#: _____ **Purchase Order#:** _____ **Samples Received on ice?** Y (Y/N) **Acidified?** Y (Y/N)

PM REVIEW: _____

Date: _____

Parameters Crossed out by: _____

Collector Initials (non-signature pages only): _____

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District

Field Test Report

Sample Analyst: 972
IC/ICV Analyst: 972
CCV Analyst: 972
Instrument ID#: LOX-0697

IC/ICV Location: FOC
IC/ICV Solution Set ID: FOC.102208
CCV Location: SKEES LAB
CCV Solution Set ID: ~~SKE090~~ AKM 11008 SKE102208

Acceptance Criteria:

DO	+/- 0.3 mg/L
Specific Conductance	+/- 5 Percent
pH	+/- 0.2 pH Units

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F
IC 1 (COND)	0	0	0						11008/0723	P
IC 2 (COND)	2000	2001	2000							P
ICV 1 (COND)	200		192							P
IC 1 (pH)	7.0	7.04			7.0					P
IC 2 (pH)	10.0	10.05			10.0					P
IC 3 (pH)	~~9~~ AKM 11008									
IC 1 (DO)	9.184	9.04		9.18		19.53				P
P41734-1			76.9	5.93	6.09	20.02			11/10/08 0857	
P41734-2			71.0	6.09	6.09	20.26			0914	
P41734-3			118.4	6.89	6.61	21.05			0929	
P41734-4			86.2	5.27	6.19	20.34			0940	
P41734-5			~~87.6~~	6.23	6.12	20.40			0953	
P41734-6			65.9	8.26	6.40	21.84			1006	
P41734-7			566.6	4.72	7.02	21.29			1027	
P41734-8										
P41734-9										
CCV 1 (COND)	200	—	196						11.10.08/1422	P
CCV 2 (COND)	100	—	97							P
CCV 1 (pH)	7.0	—			7.0					P
CCV 2 (pH)	10	—			9.9					P
CCV 1 (DO)	8.52	~~8.58~~ AKM 11008		~~8.35~~ 8.58		23.39				P

Signature: Kristin Lauer Date: 11.10.08 Reviewed By: [signature] Date: 11/10/08

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

South Florida Water Management District

Field Test Report

Sample Analyst: 972
IC/ICV Analyst: 972
CCV Analyst: 972
Instrument ID#: Lox - 0697

IC/ICV Location: FOC
IC/ICV Solution Set ID: FOC102208
CCV Location: Skeos Lab
CCV Solution Set ID: SKE102208

Acceptance Criteria:

DO	+/- 0.3 mg/L
Specific Conductance	+/- 5 Percent
pH	+/- 0.2 pH Units

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F

ADDITIONAL SAMPLES:

Field Sample ID	Tvalue	Precal Reading (IC's only)	Sp Conductance (uS/cm)	Dissolved Oxygen(mg/L)	pH	Temperature (Degree C)	Salinity (ppt)	Redox (mv)	Date/Time Analyzed	P/F

Analyst Signature: Kristin Lawson

Reviewed By:

RECEIVED
2008 NOV 10 PM 2:49
SFWMD
FIELD ANALYSIS DIV.

Notes:

Instrument Calibrated/Verified according to FDEP SOP's FT1000-FT1500 (DO calibration performed in saturated air)

EVPA WCA1
Monthly SW Grab-Marsh

Date: 11·10·08
Col's: KAL, AGM

P#: 41732 & 41734

41732 41732 & 41734

P#: 41734 & Date: 11/10/08 Collectors and Tasks: AGM - collection, processing
Pilot: Alex
Weather: windy ~10 knots from N; sunny, few clouds; upper 60's °F
KAL - sonde, notes, processing

Methods: One 2L and one 1L nalgene bottles are used for sample collection (2L filled using 1L); sites accessed by float helicopter. Samples processed (FCEB also) and analyzed at District lab on Skees Road. Flew pattern to accomodate N wind.

General Information: DCS = depth to consolidated substrate. Corrected DCS = measured value + .03 m to account for length of tip of PVC pole.

Equipment	Acid (# drops)	H2SO4		HNO3	
Bucket #'s:	Lot #	E40026		C14089	
Tray#'s:	Bt. Size	Sample	Blank	Sample	Blank
Other: Graduated PVC pole, syringes and .45u filters	60 ml	4	4	4	4
	250 ml	12	12		

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
P41734	0857/AGM	1230/AKM	LOX3	SP	.36	.22	M	Y	35	F

KAL 11.10.08

Description of Site: Primarily thin spike rush & bladderwort & some bachelor's button & duck potato & pickerelweed & tree islands in surrounding area

Sample desc./comments: Detrital material easily disturbed; used 120 ml to fill 1 & 2 liter bottles
LAB: Golden yellow w/ moderate amt small-sized & medium sized SS.
KAL 11.10.08

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
P41732	0914/AGM	1235/KAL	LOX5	SP	.41	.23	H	Y	30	F

Description of Site: Area is thin spike rush, bladderwort, lily, b. button, pickerelweed & maidencane w/ scattered tree islands in surrounding area

Sample desc./comments: 250 ml bottle used to fill 1 & 2 L bottles; sample is light yellow brown w/ various sized susp. solids; used 3 filters
KAL 11.10.08

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
3	0927/AGM	1253/AKM	LOX10	SP	.52	.38	L	Y	35	F

(41734)

Description of Site: Area is sawgrass mixed in w/ thin spike rush, bladderwort, & algae; also dead willow & some arrow arum, duck potato & lily

Sample desc./comments: sampled canal from airboat trails light brown stain w/ very small susp. solids

Kristin Larson
11.10.08
Signature Date

Reviewed By 11.10.08 Date

Page 1 of 43

KAL 11.10.08

EVPA WQAT
Monthly SW Grab-Marsh

Date: 11.10.08
Col's: KAL, AKM

P#: 41732 & 41734

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
P41732 4	0940 AKM	1300 KAL	LOX 9	SP	.66	.54	L	Y	20	F

Description of Site: Area is thin. spike rush lily pickerelweed, bladderwort, arrow arum w/ sawgrass & tree islands surrounding.

Sample desc./comments: Sample is yellow brown w/ very few suspended solids, is turbid; 2 filters used

P41734 5	0953 AKM	1317 AKM	LOX 8	SP	.59	.56	L	Y	40	F

Description of Site: Area is Slough w/ lily, bladderwort, bachelor's button & maidencane w/ sawgrass & tree islands in surrounding area

Sample desc./comments: Sample Light Brown w/ very few, very SMALL SS

P41734 6	1006 AKM	1334 KAL	LOX 7	SP	.62	.59	L	Y	40	F

Description of Site: Area is Slough w/ bladderwort, lily & thin spike rush, & maidencane, sawgrass & tree islands in surrounding area.

Sample desc./comments: Sample is yellow w/ very few suspended solids

P41735 7	1019 AKM	1021 AKM	LOX A130	SP	.64	.47	L	Y	20	F

Description of Site: Area is Slough w/ lily & bladderwort, C/nb rush, & some sawgrass in surrounding area, also quite a bit of algae.

Sample desc./comments: Half of the TP only stations were added to the flight due to the Holiday (Veteran's Day) tomorrow as well as mandatory training for some of the collectors. Sample is light yellow w/ fine-sized suspended solids

Kristina Quon
Signature
11.10.08
Date

Reviewed By
11.10.08
Date

Page 2 of 43

KAL 11.10.08

EVPA WCA1
Monthly SW Grab-Marsh

Date: 11.10.08
Col's: AKM, KAL

P#: 41732 & 41734

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
P41734-7	1027/AKM	1340 AKM	10X4	SP	.62	.39	L	Y	25	F

Description of Site: Gauge is 17.55'
Area is dense w/ club rush & thin spike rush, lily, bladderwort & other SAV; sawgrass & dickerelliwed & some duck potato; dead melaleuca stand nearby; also some periphyton

Sample desc./comments: Used 250mL bottle to fill 1 L & 2 L bottles
Avoided airboat trails
LAB: Golden brown w/ few medium-sized

P41732-6	1044/AKM	1044 AKM	10xA40	SP	.43	.32	L	Y	25	F

Description of Site: KAL 11.10.08
KAL Area is dense w/ thin spike rush, also [illegible] rush, maidencane, duck potato; shrubs & melaleuca trees in area; also sawgrass & cattail
10.10.08 KAL 11.10.08

Sample desc./comments: sample is light yellow w/ fine-sized suspended solids

P41730-5	1050/AKM	1052/AKM	10xA40	SP	.45	.37	NV	Y	20	F

Description of Site: 10xA40
Area is dense w/ duck potato & maidencane & sawgrass; some periphyton; shrubs & dead melaleuca in surrounding area

Sample desc./comments: sample is light yellow

8	1355/AKM	1354/AKM	10X4	FCEB	—	—	NV	Y	—	F

Description of Site: DI WATER → DI Bucket → Bottles → Syringe → Filter as needed
AKM

KAL 11.10.08

Sample desc./comments:

9	1355/KAL	1359/KAL	10x4	FCEB	N/A	N/A	Y	N/A	F

same train as above; KAL processed

3 KAL

Kristen Lawson
Signature
11.10.08
Date

Reviewed By
11.10.08
Date

11.10.08

P#: 35528 Date: 10.15.04 Collectors and Tasks: JZT - collection/processing
Pilot: Terry
Weather: sunny; breezy; partially cloudy; ± 80°F
KAL - notes, processing, sonde

Methods: One 2L and one 1L nalgene bottles are used for sample collection (2L filled using 1L); sites accessed by float helicopter. Samples processed (FCEB also) and analyzed at District lab on Skees Road.

General Information: DCS = depth to consolidated substrate. Corrected DCS = measured value + .03 m to account for length of tip of PVC pole.

Equipment	Acid (# drops)	H2SO4		HNO3	
Bucket #'s: ENR#2; STA11	Lot #	X17027		X14041	
Tray#'s: STA14. ENR5	Bt. Size	Sample	Blank	Sample	Blank
Other: Graduated PVC pole, syringes and .45u filters	60 ml	4	4	4	4
	250 ml	12	12		

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
1	0905 TZT	1220 KAL	LOX 3	SP	.53	.25	L	Y	40	F

Description of Site: Area is slough w/ lily, thin spike rush, bladderwort, bachelor button w/ some sawgrass & tree islands in surrounding area; also wet & muddy. difficult to walk w/o sinking; soft substrate; some spadderdock too

Sample desc./comments: used 250mL bottle to fill 1L bottle & 2L also
SP is yellow-brown

2	0923 TZT	1220 JZT	LOX 5	SP	.43	.30	VL	Y	25	F

Description of Site: same as LOX 3; also some sagittaria & maidencane

Sample desc./comments: used 250mL bottle to fill
Sample: Medium brown very light small-sized SS

3	0942 TZT	1230 KAL	LOX 10	SP	.53	.43	NV	Y	35	F

Description of Site: Regrowth after fire: sawgrass, spadderdock (three snail (on one leaf)); some pickerelweed & white water lily; bladderwort & algae

Sample desc./comments: SP is yellow-brown

Kristin Jensen Signature
10-15-04 Date
Tiffany Lewis Reviewed By
10/15/04

EVPA WCA1
Monthly SW Grab-Marsh

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
4	0955 TLT	1754 TLT	Lox 9	SP	.52	.41	VL	Y	30	F

Description of Site:
water lily; maidencane; lots of spike rush; sawgrass & wax myrtle surrounding; tree islands; spatterdock

Sample desc./comments:
10.15.07 KAL
Used 250mL bottles to fill bottles
Lab Sample: Med. Brown, very light (3) small sized ss

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
5	1035 KAL	1309 KAL	Lox 8	SP	.63	.52	L	Y	45	F

Description of Site:
Water lily; beak rush; bladderwort; algae winds picking up; saw grass & tree islands surrounding; maidencane; sampled out of rippled area

Sample desc./comments:
SP. is yellow brown

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
6	1039 TLT	1316 TLT	Lox 7	SP	.65	.58	VL	Y	45	F

Description of Site:
same as Lox 8 w/ also maidencane & thin spike rush; hardly is in bloom - no algae as above

Sample desc./comments:
Lab Sample: Med. Brown, very light (1) ss

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
7	1045 TLT	1340 KAL	Lox 4	SP	.63	.55	L	Y	35	F

Description of Site:
water lily; dense club rush; bladderwort; algae; tree islands & saw grass in area

Sample desc./comments:
used 250mL bottle to collect sample
yellow brown w/ some turbidity

Kristin Lawson
Signature
10-15-07
Date
Reviewed By
10.15.07

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
9	1338 KLJ	1342 KLJ	6X4	FCEB	N/A	→	—	Y	N/A	F

Description of Site:

Sample desc./comments: DI from tap → processing bucket → sample bottles → filter & syringe as needed

/ /

Description of Site:

Sample desc./comments: No further entries

/ /

Description of Site:

Sample desc./comments:

/ /

Description of Site:

Sample desc./comments:

Signature

10-15-07 Date

Reviewed By

10.15.07 Date

P#: 35841 Date: 10/16/07 Collectors and Tasks: KAL, notes, sonde, processing
Pilot: Lee ESR2 - collection, processing
Weather: very windy! 11 knots overcast; upper 70's F; 22 knots at landing

Methods: One 2L and one 1L nalgene bottles are used for sample collection (2L filled using 1L); sites accessed by float helicopter. Samples processed (FCEB also) and analyzed at District lab on Skees Road.

General Information: DCS = depth to consolidated substrate. Corrected DCS = measured value + .03 m to account for length of tip of PVC pole.

Equipment	Acid (# drops)	H2SO4		HNO3	
Bucket #'s: STA11 / STA12	Lot #	X17027		X14041	
Tray#'s: V. Osmondson / ENR5	Bt. Size	Sample	Blank	Sample	Blank
Other: Graduated PVC pole, syringes and .45u filters	60 ml	4	4	4	4
	250 ml	12	12		

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
1	0935 ESR2	1350 KAL	WX6	SP	.69	.66	M	Y	35	F

Description of Site:
lily, club rush, thin spike rush; sawgrass & tree islands surrounding; sampled out of rippled areas

Sample desc./comments:
SP is light grey-yellow - w/ fine-sized susp. solids

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
2	0947 ESR2	1340 KAL	WX11	SP	.79	.7	NV	Y	40	F

Description of Site:
bladderwort; lily; maidencane

Sample desc./comments:
SP. is yellow brown

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
3	0949 ESR2	1335 ESR2	WX13	SP	.83	.65	VL (very light)	Y	45	F

Description of Site:
bladderwort; club rush; lily w/ sawgrass & tree islands surrounding - area in "4 poles" area only & ~12cm

Sample desc./comments:
SP is light brown w/ fine-sized SS

Signature 10.16.07 Date
Reviewed By Date 10-16-07

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
4	1029/SR2	1408/KAL	LOX14	SP	.97	.88	L	Y	40	F

Description of Site:
Bladderwort, lily, sawgrass & bree islands in surrounding area

Sample desc./comments:
SP is yellow grey w/ tiny-sized susp. particles

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
5	1046SR2	1425SR2	LOX16	SP	.8	.56	M	Y	40	F

Description of Site:
lily, thin spike rush, bladderwort, beak rush, sawgrass & bree islands surrounding

Sample desc./comments:
light brown medium-sized S.S.

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
6	1102 SR2	1434/KAL	LOX15	SP	1.19	1.14	M	Y	1	F

Description of Site:
surrounding area sawgrass, & cattail in sampling area took sample from float due to depth at site; pilot drifted to area out of ripples

Sample desc./comments:
SP- is light yellow grey w/ small & fine-sized susp-solids

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
7	1117 SR2	1433/SR2	LOX12	SP	.92	.84	VL	Y	30	F

Description of Site:
lily; thin spike rush; bladderwort; sawgrass in surrounding area

Sample desc./comments:
SP. is light green w/ small-sized (fine) susp. solids

Signature 10.16.07 Date

Reviewed By 10.16.07 Date

Sample #	Collection time/ Collector	Processing time/processor	Site name	Sample type (SP, EB, FCEB, RS)	Corrected DCS (m)	Tdepth (depth of water column) (m)	Amount of suspended solids (NV, L, M, H)	pH<2? (Y/N)	Approx. dis. from collection site to helicopter (m)	Partial, Full, None, collected (P,F,N)
8	1515 SR	1515 SR2	C-1/2	FCEB	N/A	→	N/A	Y	N/A	P

Description of Site:

Sample desc./comments: DI from tap → A/S bucket → sample bottles → syringes & filters as needed

	/	/								

Description of Site:

Sample desc./comments: WK Further

	/	/								

Description of Site: notes

KAL

Sample desc./comments: 10/16/07

	/	/								

Description of Site:

Sample desc./comments:

Signature 10-20-07 Date

Reviewed By 10.16.07 Date