

PROJECT EUPA WCA1 1/10/05 wa, aed

Weather: Partly cloudy, 75°

Pilot: Alex

Duties: aed 1/10/05

Methods: Two 2-liter Nalgene bottles used for sampling collection; sites accessed via float helicopter and samples processed at Steer Rd lab. P 21059 Sample submitted to FHPD for analysis.

Equipment Used: Trays, processing buckets, syringes, filters, DI Water

Tdepth = Water Column Depth

DCS = Water Column depth + detrital layer

P 21059-1	0859/1109	SSAD	Samp dark brown stain heavy fine sus. solids	Canal downstream Tdepth > 1 m DCS > 1 m no pumps running
P 21059-2	0906/w/a	Lox 3	no samp	Grass, Spikerush Tdepth = .05 m DCS = .09 m
P 21059-3	0912/w/a	Lox 5	no samp	Lily pads, Sangrass Tdepth = .07 m DCS = .11 m
P 21059-4	0919/1134	Lox 10	SO <sub>4</sub> Cl <sub>2</sub> TPO 4 Only light yellow stain light solids	Spikerush, Lily pads Tdepth = .11 m DCS = .19 m
P 21059-5	0927/1137	Lox 9	SO <sub>4</sub> Cl <sub>2</sub> TPO 4 only light yellow stain light solids	Beakrush, Sangrass Tdepth = .13 m DCS = .24 m

Bruce A. Cull

1/10/05

A. Cull (Daily) Cull

1/10/05

Eupa WCA 1 ba, ocd 1/10/05

84

P21059-6 0935/1137

Lox 8 Samp  
light brown stain  
light solids

Sawgrass, Hy ponds  
T depth = .26 m  
DCS = .33 m

P 21059-7 0942/1153

Lox 7 Samp  
light brown stain  
Med Sus Solids

Sawgrass, Tree blnds  
T depth = .25 m  
DCS = .30 m

P 21059-8 0954/1154

lots of veg. in water column

Lox 4 samp Rush, Melaleuca DI faucet → bucket →

medium yellow stain  
light medium susp. solids  
T depth = .21 m  
DCS = .28 m  
Syringe → filter as needed → sample bottle  
Gage = 16.49 bottle ba. 1/10/05

P21059-9 1210

Lox 4 (FCEB)

DI faucet →  
bucket → Syringe →  
filter as needed →  
Sample bottles

All Sample acidified to pH < 2.0

Acids Used:

50% H<sub>2</sub>SO<sub>4</sub>

5 drops / 60 ml

15 drops / 250 ml

50% HNO<sub>3</sub>

5 drops / 60 ml

15 drops / 250 ml

BA

1/10/05

Bruce A. Craft

1/10/05

A. Carball (Daly) Carball 4/10/05

PROJECT EURL WCA 1 1/11/05 ba accl

Weather: Partly Cloudy, 75°

Pilot: ~~1/11/05~~ 75° Terry @ Air Coastal

Duties: ba-brooks, hydrolab, processing; accl-water collection, processing  
Methods: Two 2-L Nalgene bottles used for sampling collection;  
Sites accessed via float helicopter and samples processed at  
Skene Kel Lab. P 21060 Sample submitted to SFWMD for  
analysis.

Equipment Used: Trays, Processing buckets, syringes, filters,  
di Water

Depth = Water Column Depth

DCS = Water Column depth + detrital layer

P 21060-1 0832/1047 Lox 6 SAMP

Only used one 2-liter bottle; other one  
had hole & leaked water

light yellow stain  
light fine solids

Lily pads, Sawgrass  
Tdepth = .41 m  
DCS = .43 m

P 21060-2 0840/1110 Lox 11 SAMP

light yellow stain  
light fine sus. Solids

Lily pads, Tree Island  
Tdepth = .33 m  
DCS = .55 m

P 21060-3 0850/~~1112~~ <sup>accl/11/05</sup> Lox 13 SAMP

light yellow stain  
light fine sus. Solids

Lily pads, bladderwort  
Tdepth = .33 m  
DCS = .39 m

P 21060-4 0855/1132 Lox 14 SAMP

light yellow stain  
light fine sus. Solids

Lily pads, Sawgrass  
Tdepth = .52 m  
DCS = .59 m

87

Bruce Arny

1/11/05

A. C. Cornell

1/11/05

EVPA WCA 1

ba, acd 1/11/05

86

P 21060-5 0906/1133

Lox 16

SAMP  
light brown stain  
light fine susp. solids

Lily pads, bladderwort  
T depth = .52 m  
DCS = .75 m

P 21060-6 0913/1147

Lox 15

SAMP  
light yellow stain  
light sus solids

Lily pads, Sawgrass  
T depth = .60 m  
DCS = .74 m

P 21060-7 0921/1150

Lox 12

SAMP  
light yellow stain  
light fine susp. solids

Lily pads, Sawgrass  
T depth = .67 m  
DCS = .88 m  
16.58

P 21060-8 1204

Lox 12 (FCER)

DI → faucet →  
bucket → Syringe +  
filter as needed →  
Sample bottles

All Samples Acidified to pH < 2.0

Acid Used: 50% H<sub>2</sub>SO<sub>4</sub> } 5 drops / 60 mL  
50% HNO<sub>3</sub> } 15 drops / 250 mL

B-A

1/11/05

Brian Camp

1/11/05

P. C. Carroll

1/11/05

PROJECT: EUPA 2 1/12/05 MFZ, BS (BIRSEBOWLY G) MFZ 1/12/05

Weather: mostly clear, temp 70-75°F, calm

Duties: BS - Hammerhead/HydroLab, notes, MFZ - collection

MFZ 1/12/05

Equip: none used - TPO<sub>4</sub> samples collected directly into sample bottle, PVC PIPE (METER).

Acids: 1:1 H<sub>2</sub>SO<sub>4</sub> - 7 drops in 120 ml Magenta bottle

Samples collected in 2L + 1L Nalgene bottles for processing / 120 ml bottle for TPO<sub>4</sub>

dcs = depth to consolidated substrate

Sample #	Site	Coll. time Proc. time	Total Depth (m) dcs (m)	Comments
P21234-9	CA27	0851	MFZ 1/12/05 <0.10 / 0.10	NO SAMPLE
P21234-8	CA28	0855	MFZ 1/12/05 <0.10 / N/A	NO SAMPLE
P21234-7	CA33	0902	<0.10	NO SAMPLE
P21234-6	CA32	0909	MFZ 1/12/05 <0.10 / N/A	NO SAMPLE
P21234-5	CA29	0915 / 1045 MFZ 1/12/05	.14 / .15	Decaying vegetation area has been sprayed. Water sample is light yellow w/ moderate amt of fine - coarse susp. solids. TPO <sub>4</sub> only
P21234-4	CA215	0925 / 1047 1/12/05	.17 / .26	TPO <sub>4</sub> only. Decaying vegetation - Hyacinths & sawgrass. Water sample is light yellow color w/ light amt of fine - coarse susp. solids.
P21234-3	WCA2F4	0932	0.09 / 0.14	NO SAMPLE
P21234-2	WCA2F2	0937	<0.10 / N/A	NO SAMPLE
P21234-1	WCA2F1	0940	<0.10 / N/A	NO SAMPLE
P21234-10	CA29	1050	1050 MFZ 1/12/05	FB - DI water → bottle. Acid = 7 drops

Robert E. Juffer

1/12/05

H. LANORANO

1/12/05

EVPA 3 (Biweekly G) MFZ, BS 1/13/05

Continued From Page

WEATHER: MED-VERY OVERCAST, WIND ~ 20 mph. TEMP: ~ MID 70's.

DUTIES: BS: COLLECTION, PROCESS. MFZ: PROCESS, NOTES, HH, HYDROLAB.

ACIDS: (H<sub>2</sub>SO<sub>4</sub>) 1:1 = 8 drops in 120 ml, 16 drops in 250 ml, 4 drops in 60 ml.  
(HNO<sub>3</sub>) (1:1) = 5 drops in 60 ml.

EQUIPMENT (PVC POLE): METER STICK, BUCKETS: ENR #4, ENR #2A, TRAY: ELC 1, ELC #2. DI: Carboy # 0973, (Syringe & filters) (2 L NALGENE, 1 L Bottles for collection)

dcs: depth to consolidated substrate. (in meters).

Samples to SEWARD. LAB.

Sample #	SITE	COLL TIME / PROC TIME	TOT DEPTH / dcs	COMMENTS
P21236-1	CA316	0833 / 1138	0.46m / 0.53m	Water, lily. Sample is light yellow, no vis. susp. solids. PH < 2. Open water, cattail
P21236-2	CA317	0845 / 1145	0.70m / 0.90m	patches Sample is yellow w/ small amt. of fine susp. solids PH < 2. Water lily patches.
P21236-3	CA318	0856 / 1152	0.7m / 0.78m	Open water, Sample is light yellow, w/ small susp. solids. sm amount of fine susp. sol. PH < 2.
P21236-4	CA315	0908 / 1205	0.45m / 0.63m	Open Water, lily patches. Sample is light yellow, w/ small amt of fine and coarse susp. solids PH < 2.
P21236-5	CA311	0920 / 1135	0.18m / 0.31m	Open water, sawgrass. TPO4 only. Sample is light yellow w/ small amt. of fines susp. solids PH < 2.
P21236-6	CA38	0928 / —	< 0.10m / < 0.10m	NOB. SITE DRY, NO WATER
P21236-7	CA35	0934 / —	< 0.10m / < 0.10m	NOB. SITE DRY, NO WATER.
P21236-8	CA36	0939 / —	< 0.10m / < 0.10m	NOB. SITE DRY. NO WATER
P21234-9	CA34	0946 / —	< 0.10m / < 0.10m	NOB. SITE DRY. NO WATER.
P21234-10	CA315	1215 / 1215		FCEB → DI from 0973 into (G) bucket into (syringe & filters) sample bottles, acid as required. (rinses performed) PH < 2.

V. LAMORANO

1/13/05

Robert E. Stukler

1/13/05

EYPA 3 01/24/05 (Biweekly G) S.W.

COLLECTORS: BS, MFZ

WEATHER: CLEAR SKY, TEMP ~ LOW 60S. WIND ~ 20 MPH FROM NW.

DUTIES: BS: COLLECTION, PROCESS. MFZ: NOTES, HH, HYDROLAB. PROCESS.

EQUIPMENT: DI # 0974 BUCKET: ENR #1, ENR #2. TRAY: STA 3, ENR 4.

1L 3 ZL NALGENE BTLs. (COLLECTION) PVC POLE: (METER) TD/TOTAL DEPTH. (SYRINGE & FILTERS.)

ACIDS:  $H_2SO_4$  (1:1) 16 drops in 250 ml, 8 drops in 120 ml, 4 drops in 60 ml.

$HNO_3$  (1:1) 5 drops in 60 ml.

DCS: Depth to consolidated substrate.

SAMPLES TO BFWMP. LAB.

Sample #	SITE	TIME		DEPTH (m)	Comments
		COLL/PROC	TOT/DCS		
P21237-1	CA316	0855/1120	(G)	0.45/0.50	OPEN WATER, WATER LILLY. CATTAIL. SAMPLE IS LIGHT YELLOW w/moderate amt. of fine & coarse susp. solids. PH < 2.
P21237-2	CA317	0906/1124	(G)	0.80/1.02	OPEN WATER, SAWGRASS PERIPIHYTON. Sample is light yellow w/small amt of fine susp. solids. PH < 2.
P21237-3	CA318	0913/1135	(G)	0.67/0.74	OPEN WATER, WATER LILLY. Sample is yellow w/ small amt. of fine and coarse susp. solids. PH < 2.
P21237-4	CA315	0924/1142	(G)	0.44/0.56	OPEN WATER, WATER LILLY. CATTAIL. Sample is light yellow w/moderate amt of fine and coarse susp. solids. PH < 2.
P21237-5	CA311	0935/1030	(G)	0.19/0.32	WATER LILLY, SAWGRASS. TPO4 ONLY. Sample is light yellow w/ small amt. of fine susp. solids. PH < 2.
P21237-6	CA38	0945/—	(G)	— / —	NOB. TD < 0.10 m.
P21237-8	CA36	0957/—	(G)	— / —	NOB. TD < 0.10 m
P21237-7	CA35	0952/—	(G)	— / —	NOB TD < 0.10 m
P21237-9	CA34	1004/—	(G)	— / —	NOB TD < 0.10 m
P21237-10	CA315	1146/1146	FCER (G)	→ DI from 0974 into (G) Bucket # ENR 2 (Syringe & filter) → into sample btl. PH < 2. (rinses).	

Y. LAMORANO

1/24/05

Robert E. Shiller

1/24/05

EYPA 2 BIWEEKLY GRABS 1/25/05 HAC, KRS  
SURFACE WATER

WEATHER: CLEAR SKY, WIND OUT OF W @ ~5-10 KNOTS, TEMP IN MID 60'S.

TECHS/DUTIES: PILOT-TERKY, HAC-NOTES, HYDRA LAB, BS-COLLECTION, PROCESSING.

ACIDS: H<sub>2</sub>SO<sub>4</sub> (1:1) - 80 DROPS / 120 mL; PH < 2.

EQUIPMENT: 1 L DISPOSABLE + 2 L NALGENE BOTTLES FOR COLLECTION, PVC POLE FOR DEPTHS (M).

DCS: DEPTH TO CONSOLIDATED SUBSTRATE

SAMPLES TO SEWAGE LAB @ SKEES RD

SAMPLE #	SITE	COL TIME / PROC TIME	TOTAL DEPTH / DCS (M)	COMMENTS
P21235-9	CA27	0939 / N/A	<.10m / N/A	NOB. TDEPTH <.10m.
P21235-8	CA28	0942 / N/A	<.10m / N/A	NOB. TDEPTH <.10m. SITE DRY.
P21235-7	CA33	0948 / N/A	<.10m / N/A	NOB. TDEPTH <.10m.
P21235-6	CA32	0955 / N/A	<.10m / N/A	NOB. TDEPTH <.10m. SITE DRY
P21235-5	CA29	1000 / N/A	<.10m / N/A	NOB. TDEPTH <.10m.
P21235-4	CA215	1006 / 1054	0.16m / 0.23m	TPOY ONLY. TDEPTH <.20m. SITE HAS PERIPHITON, ALGAE, REEDS. RUSH, SAWGRASS. SAMPLE IS LITE YELLOW W/NO VISIBLE SUSP. SOLIDS.
P21235-3	WCA2F4	1016 / N/A	<.10m / N/A	NOB. TDEPTH <.10m.
P21235-2	WCA2FA	1020 / 1055	0.16m / 0.25m	TPOY ONLY. TDEPTH <.20m. SITE HAS CATTAIL, PERIPHITON EXPOSED MUCK, ALGAE. SAMPLE IS LITE YELLOW W/SMALL AMTS OF FINE SUSP. SOLIDS.
P21235-1	WCA2P1	1026 / N/A	<.10m / N/A	NOB. TDEPTH <.10m.
P21235-10	WCA2P2	1137 / 1137	N/A / N/A	FOR HAZ 1/25/05. FB. NO EQUIPMENT USED. DI TAKEN FROM SKEES DI TAP -> SAMPLE BOTTLE. ACIDIFIED AS NEEDED; PH < 2.

No FURTHER ENTRIES  
HAC 1/25/05

*[Signature]*

1/25/05

*[Signature]*

1/25/05



2-7-05

38  
REC. EVPA WCA 1 BA, ACD MWeather:  $26.5^{\circ}\text{E}$ , slight to medium overcast over N part of Monthly

Pilot: Terry

Refuge, very overcast over S part

Duties: BA: collection, processing; acd: books, hydro lab processing

Methods: Two 2-liter maldene bottles used for sampling collection. Sites accessed by float helicopter and samples processed at Skees Rd Lab. P21761 and P21762 samples submitted to SFWMD for analysis.

Equipment used: Trays, processing buckets, syringes, filters, deionized water

T depth = Water Column Depth; DCS = Water Column Depth + detrital layer

Sample # Collect/process Time Site Description &amp; Comments

P21761-1	1007/1210 09	SSAD SAMP	dark brown stain heavy fine susp solids	Canal, downstream T depth = 1 m DCS = 1 m
P21761-2	1014/ 09	Lox 3 no samp		Grass, Spikerush T depth = 0.01 m DCS = 0.10 m
P21761-3	1018/ 09	Lox 5 no samp		Lily pads, Scurgrass T depth = 0.04 m DCS = 0.15 m
P21761-4	1025/1155 09	Lox 10 CL, SO <sub>4</sub> , TP <sub>4</sub> only	light yellow stain medium sus. Solids	Spikerush, Lily pad, T depth = 0.13 m DCS = 0.19 m
P21761-5	1030/ 09	Lox 9 no samp		Reed rush, Scurgrass T depth = 0.05 m DCS = 0.15 m

Photo and Line Section E<sub>1</sub>

A. Corinne Dwyer

Signed

2/7/05

Date

Berna Cough

2/7/05

EVPA WCA 1

BA, acid

at 2/7/05

88

Sample # Collect/Process Time

Site

Monthly

Description & Comments

P21761-6	1035/1245 09 add 2/7/05	Lox 8 samp	light yellow stain, light solids	Saugrass, lily pads T depth = 0.25 m DCS = 0.35 m
P21761-7	1043/1156 09	Lox 7 Cl, SO <sub>4</sub> , TPO <sub>4</sub> only	light yellow staining, light solids	Saugrass, tree islands T depth = 0.17 m DCS = 0.30 m
P21761-8	0951/1315	Lox 4 samp	medium yellow stain very heavy large susp. solids shrimp in sample bucket	Rush, Melaleuca + depth = 0.24 m DCS = 0.27 m gauge = 16.32 ft lots of veg. in water column
P21762-1	1000/1313	Lox 6 samp	light yellow stain light susp solids	lily pad, Saugrass + depth = 0.33 m DCS = 0.33 m
P21762-2	1016/1336	Lox 11 samp	light brown stain heavy susp. particles	Lily pads, Tree Islands + depth = 0.26 m DCS = 0.54 m
P21762-3	1022/1347 1402	Lox 13 samp	light brown stain moderate sus solids	sample taken from float Lily pads, Bladderwort + depth = 0.48 m DCS = 0.48 m
P21762-4	1009/1341	Lox 14 samp	medium yellow stain moderate susp. solids	Lily pad, Saugrass + depth = 0.56 m DCS = 0.57 m sample taken from float 90

A. Caille Day

2/7/05

Brian Auf

2/7/05

EVPA wca 1 BA, accl #1 2/7/05

(Monthly)

Sample #	Collect/Process Time	Site	Description & Comments
P21762-5	1030/1417	Lox 16 Samp	light brown stain, moderate fine Solids Lily pads, bladderwort depth = 0.63 des = 0.73  sample taken from float
P21762-6	1036/1424	Lox 15 Samp	light yellow stain light susp. solids Lily pads, Sawgrass depth = 0.62 des = 0.96  sample taken from float
P21762-7	1041/1425	Lox 12 Samp	light yellow stain light susp. solids Lily pad, Sawgrass depth = 0.67 des = 0.75 gauge = 16.40 ft @msl sample taken from float
P21762-8	1445	FCEB (Lox 12)	DI → Funnel → Bucket → Syringe x Filter as needed → Sample bottles

Sample acidified to pH < 2.0... 50% H<sub>2</sub>SO<sub>4</sub>, 5 drops 60ml  
12 drops 250 ml  
  
50% HNO<sub>3</sub>; 5 drops 60ml  
12 drops 250 ml.

accl 2/7/05

A. Camille Day 2/7/05 Pamela Amy 2/7/05

DATE: 2/10/05

WEATHER: Clear Skies, light breeze, temp ~70°F

TECHS/DUTIES: PILOT: TERRY - AIRCONSTAL, HAC - NOTES, COLLECTION; BS - NOTES, HYDROLYSIS, PROCESSING.

ACIDS: H<sub>2</sub>SO<sub>4</sub>(1:1) - 1/250ml, 4 / 60ml; HNO<sub>3</sub>(1:1) - 5 DROPS / 60ml BOTTLE. P&A.

EQUIPMENT: DI CARBON #0985, SYRINGE / FILTER (WHERE NEEDED), ETC #13 BUCKET #1, ETC TRAY #5, 2L NALGENE BOTTLES + 1L NISPOSTOLE BOTTLES FOR COLLECTION.

DLS = DEPTH TO CONSOLIDATED SUBSTRATE.

TIME REASONS = COLLECTION / PROCESSING TIME

SAMPLES TO SPIND LTB @ SKEE RD

SAMPLE #	SITE	COLLTIME / PROC TIME	TD (m) / DLS (m)	COMMENTS
P21623-9	CA27	0853 / -	<.10 / -	No sample, <10 cm
P21623-8	CA28	0856 / -	DRY / -	No sample - dry
P21623-7	CA33	0901 / -	DRY / -	No sample - dry
P21624-7	CA35	0910 / -	DRY / -	No sample - dry
P21624-8	CA36	0920 / -	DRY / -	No sample - dry
P21624-6	CA38	0925 / -	DRY / -	No sample - dry
P21624-5	CA311	0931 / 0931	0.20 / 0.27	Lilies, grasses, sawgrass. Sample is light yellow color w/ light amt of fine-coarse vegetative detritus. H <sub>2</sub> SO <sub>4</sub> = 8 drops.
P21624-4	CA315	0941 / 1207	0.46 / 0.59	Lilies, grasses, sawgrass. Sample is lite yellow w/ very heavy amounts of fine susp. Solids.
P21624-3	CA318	0951 / 1220	0.65 / 0.84	Lilies, grasses, sawgrass. Sample is lite yellow w/ very heavy amts of fine coarse susp solids - contains heavy amts of vegetative material.

D. E. Sullivan

2/10/05

D. E. Sullivan

2/10/05

<u>SAMPLE #</u>	<u>SITE</u>	<u>COLLECTION/PROCESSING TIME</u>	<u>TD(m)/DCS(m)</u>	<u>COMMENTS</u>
P21624-2	CA317	1000 / 1234	0.83 / 1.06	grasses & cattails. Sample is lite yellow w/ small amts of fine susp solids.
P21624-1	CA316	1006 / 1245	0.42 / 0.69	grasses, lillies, sawgrass. Sample is bright yellow w/ med amts of fine and coarse susp solids + vegetative material.
P21624-9	CA34	1015 / -	DRY	No SAMPLE - dry
P21623-6	CA32	1020 / -	DRY	No SAMPLE - dry
P21623-5	CA29	1025 / -	<.10	no sample - <.10 m
P21623-4	CA218	1030 / 1030	.15 / .25	TPO <sub>4</sub> only. grasses + sawgrass, decaying vegetation. Sample is light yellow color w/ light amt of fine - coarse veg. detritus
P21623-3	WCA2F4	1035 / -	<.10	no sample, <.10 m
P21623-2	WCA2F2	1037 / -	<.10	no sample, <.10 m
P21623-1	WCA2F1	1040 / -	<.10	no sample, <.10 m
P21624-10	CA316	1305 / 1205	- / -	FLEB. FIELD CLEAN EB. P1 → BUCKET → SYRINGE / FILTER (WHERE NEEDED) → SAMPLE BOTTLE. ACIDIFIED WHERE NEEDED; PH < 2

Bob E. Stiller

2/10/05

Holger

2/10/05

WEATHER: Partly cloudy, temp ~70F  
 TECHS/DUTIES: Pilot JK Wells; HAC - collection, notes, hydrolab; MFZ - processing; BS - processing, notes.  
 ACIDS: (1:1) H<sub>2</sub>SO<sub>4</sub> - 16 DROPS/250ML, 8 DROPS/100ML; (1:1) HNO<sub>3</sub> - 5 DROPS/100ML BITTES; PH=2.  
 EQUIPMENT: DI CARBON #1014, ENR #15 BUCKET #2A, ELECTRO #2, 2 LNALGENES + 1L  
 DISPOSABLE BOTTLES FOR COLLECTION, SYRINGE/FILTERS, METER STICK  
 DCS = DEPTH TO CONSOLIDATED SUBSTRATE  
 TIME READS: COLLECTION / PROCESSING TIME  
 SAMPLES TO SFUND LAB @ SLEES RD

SAMPLE #	SITE	Coll Time / Proc. Time	Tilt/DCS (m)	Comments
P21626-1	CA316	0940 / 1215	0.30/0.38	hyacinths, sawgrass, grasses. sample is like yellow w/ heavy amts of susp solids, vegetative debris.
P21626-2	CA317	0948 / 1220	0.73/0.88	decaying vegetation, sawgrass, sample is like yellow w/ mod amts of fine susp solids, vegetative debris.
P21626-3	CA318	0955 / 1232	0.60/0.81	hyacinths, sawgrass, cattails sample is med yellow w/ mod amts of fine + coarse susp solids, vegetative debris.
P21626-4	CA315	1004 / 1217	0.19/0.44	hyacinths, sawgrass, grasses TPO <sub>4</sub> only. sample is like yellow w/ heavy amts of susp solids, vegetative debris.
P21626-5	CA311	1010 / -	<0.10	no sample, TD <0.10
P21626-6	CA38	1015 / -	DRY	no sample, dry
P21626-9	CA34	1029 / -	DRY	no sample - dry

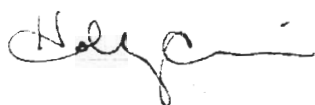
*[Signature]*

2/22/05

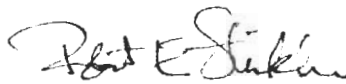
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2/22/05

Sample #	SITE	Coll Time/Proc. Time	<sup>(m)</sup> TD/DCS(m)	Comments
P21626-8	CA36	1035 / —	DRY	No sample - dry
P21626-7	CA35	1041 / —	DRY	No sample - dry
P21625-7	CA33	1049 / —	DRY	No sample - dry
P21625-6	CA32	1053 / —	DRY	No sample - dry
P21625-8	CA28	1057 / —	DRY	No sample - dry
P21625-9	CA27	1100 / —	DRY	No sample - dry
P21625-5	CA29	1102 / —	DRY	No sample - dry
P21625-4	CA25	1105 / —	<0.10	No sample - TD < 0.10
P21625-3	WCA2F4	1107 / —	<0.10	No sample - TD < 0.10
P21625-2	WCA2F2	1109 / —	<0.10	No sample - TD < 0.10
P21625-1	WCA2F1	1111 / —	<0.10	No sample - TD < 0.10
P21625-10	-CANCELLED, FCEB PERFORMED ON EVPA3 (P21626). SAME EQUIP USED FOR BOTH TRIPS PERFORMED ON SAME DAY.			
P21626-10	CA38	1242 / 1242	—	FCEB. DI → 915 BUCKET → SYRINGE/FILTER (WHERE NEEDED) → SAMPLE BOTTLES. ACIDIFIED AS NEEDED; PH < 2.



2/22/05



2/22/05

Weather: Overcast, 70°

SA = Shane Atkins

Pilot: Gary Hansen

Duties: la - books, hydraulics, processing; SA - water collection, Sonde

Methods: 2/11/05 la

Equipment used: Trays, processing buckets, syringes, filters, de-ionized water

Tdepth = Water Column Depth; DCS = Water Column depth + detrital layer

Methods: 2/11/05 la

Equipment used: Two 2-liter bottles used for sampling collection. Sites accessed by float helicopter and samples processed at Sker. Rd. Lab.

P21766 and P21870 samples submitted to SFWMD for analysis. P21870 submitted to FDEP Lab for analysis.

Sample #	Collect/process Time	Site	Description	Comments
P21766-1	0740/1327	EB (SSAD)		Canal, downstream 2/12/05 tdepth > 1m DCS > 1m la
P21870-1	0740/1327	SS		
P21766-2	0858/1240	SSAD	dark brown stain	Canal, downstream tdepth > 1m DCS > 1m
P21870-2	0858/1240	SS	heavy, sus. particles	
P21766-3	0859/1241	SSAD (RS)	dark brown stain	Canal, downstream tdepth > 1m DCS > 1m
			heavy sus particles	
P21766-4	0900/1253	SSAD (RS)	dark brown stain	Canal, downstream tdepth > 1m DCS > 1m
			heavy sus particles	

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*Shane Atkins*  
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3/7/05

Date

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3/7/05



Sample #	Collect / Process Time	Site	Description + Comments
P21766-5	0906 / -	Lox 3 No Sample	Grass, Spikerush tdepth = .05 m DCS = .07 m
P21766-6	0911 / -	Lox 5 No Sample	Lily pads, Sawgrass tdepth = .06 m DCS = .14 m
P21766-7	0918 / 1259	Lox 10 TP04, S04, CL only	Light yellow stain Medium sus particles Spikerush, lily pads tdepth = .16 m DCS = .37 .25 6a 3/7/05
P21766-8	0937 / -	Lox 9 No Sample	Beardrush, Sawgrass tdepth = .07 m DCS = .12 m
P21766-9 P21870-3	0952 / 1304 0952 / 1304	Lox 8 SS Sample	Light brown stain heavy small sus. particles Sawgrass, lily pads tdepth = .25 m DCS = .36 m
P21766-10	1000 / 1306	Lox 7 TP04, S04, CL only	Light brown stain heavy small sus particles Sawgrass, Tree Islands tdepth = .14 m DCS = .24 m
P21766-11	1011 / 1311	Lox 4 TP04, S04, CL only	Light yellow stain light solids Rush, Melaleuca tdepth = .16 m DCS = .25 m

Staff Gauge = 16.25 NGVD

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3/7/05  
Date

Sample

heavy small sus  
solid

tdepth = .42 m  
DCS = .55 m

Continued on Page 94

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3/7/05  
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Sample #	Collect/Process Time	Site	Description & Comments
P21770-1	no Sample	Lox 6 (EB)	
P21770-2	1022/1318	Lox 6 TP04. C1, S04 only	light yellow stain; light solid Lily pads, Sawgrass depth = .19 m DCS = .29 m
P21770-3	no Sample	Lox 6 (RS)	Lily pads, Sawgrass depth = DCS =
P21770-4	no Sample	Lox 6 (RS)	Lily pads, Sawgrass depth = DCS =
P21770-5 P21870-4	1039/1323 1039/1323	Lox 11 SS Sample	light brown stain heavy small solids Lily pads, Tree Islands depth = .27 m DCS = .37 m
P21770-6 P21870-5	1045/1332 1045/1332	Lox 13 SS Sample	light yellow stain heavy small sus solids Lily pads, bladderwort depth = .25 m DCS = .44 m
P21770-7	1034/1339	Lox 14 Sample	light brown stain heavy small sus solid Lily pads, Sawgrass depth = .42 m DCS = .55 m

Continued on Page 94

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Sample #	Collect/Process Time	Site	Description & Comments
P21770-8	1102/1343	Loc 16 Sample	Light brown. lily pads, bladderwort Stain, moderate. depth = .40 m Sus Solids. DCS = .62 m
P21770-9	1110/1351	Loc 15 Sample	Light yellow. lily pads, Sawgrass Stain, heavy. depth = .49 m Sus Solids. DCS = .69 m
P21770-10	1117/1358	Loc 12 Sample	lily pads, Sawgrass depth = .50 m DCS = .66 m
P21770-11	1405	FCEB (Loc 12)	16.20 NVGD - Depth Gauge DI → Faucet → Bucket → Syringe & Filter as needed → Sample bottle
<p style="text-align: center;">BA 3/7/05</p>			<p>Sample acidified to pH &lt; 2.0 50% H<sub>2</sub>SO<sub>4</sub> 5 drops, 60 mL 12 drops, 250 mL</p> <p>50% HNO<sub>3</sub> 5 drops, 60 mL 12 drops, 250 mL</p> <p>Split TPO4 Sample sent to DEP Lab, Waybill number # 18889909544</p>
			Continued on Page

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Brenn Auf

Signed

3/7/05

Date

Shane Atkins

Signed

3/7/05

Date

WEATHER: RAINING

TECHS/DUTIES: PILOT: TERRY AIRCOASTAL; HAC-NOTES, HH, SONDE; MFEZ-COLLECTION, PROCESSING-ACIDS: H<sub>2</sub>SO<sub>4</sub>(1%) - 8 DROPS/120ml BOTTLE. 7 DROPS/120ml FB BOTTLE.

EQUIPMENT: DI CARBON<sup>#</sup> max 3/9/05, DIP WAND, DI FROM TAP @ SKEES RD.

DCS = DEPTH TO CONSOLIDATED SUBSTRATE

TIME READS = COLLECTION / PROCESSING TIME

SAMPLES TO SPWMO LAB @ SKEES RD.

SAMPLE #	SITE	TIME	TD (m) / DCS (m)	COMMENTS
P21894-9	CA27	0912 1144	0.18 / 0.22	TD < 0.20m, TPO4 ONLY. SITE: SAWGRASS, LILY PADS, PERIPHERAL. SAMPLE IS LITE YELLOW w/ SMALL AMTS OF FINE + COARSE SUSP. SOLIDS, INCLUDING SOME PIECES OF ALGAE.
P21894-8	CA28	0932	< 0.10 / -	TD < 0.10m, NOB. SITE Matted DOWN w/ DEAD VEGETATION, (MAINLY CATTAIL).
P21894-11	S8	0954 1145	- / -	NO FLOW. SAMPLE IS LITE YELLOW w/ NO VISIBLE SUSP. SOLIDS.
P21896-7	CA35	1000	< 0.10 / -	TD < 0.10m, SITE DRY, NOB.
P21896-8	CA36	1004	< 0.10 / -	TD < 0.10m, SITE DRY, NOB.
P21896-6	CA38	1009	< 0.10 / -	TD < 0.10m, SITE DRY, NOB.
<del>P21896-5</del>	<del>CA31</del>	<del>HAC 3/9/05</del>		
P21894-1	WCA2F1	1030	< 0.10 / -	TD < 0.10m, NOB.
P21894-2	WCA2F2	1032	< 0.10 / -	TD < 0.10m, NOB.
P21894-3	WCA2F4	1034	< 0.10 / -	TD < 0.10m, NOB.

P21894-4	CA215		P21896-1 CA316
P21894-5	CA29		P21896-2 CA317
P21894-6	CA32		P21896-3 CA318
P21894-7	CA33		P21896-4 CA315
			P21896-5 CA311
			P21896-9 CA34

CANCELLED DUE TO BAD WEATHER, UNSAFE TO FLY.

P21896-10 FIELDQC CANCELLED, FIELDQC PERFORMED w/ P21894.

P21894-10 CA27 FIELDQC, FB @ 1145. DI → SAMPLE BOTTLE. ACIDIFIED, PDC2  
 NO SAMPLES COLLECTED UNDER P21896.

Continued on Page 1

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*Terry Aircoastal*  
 Signed

3/9/05  
 Date

*M. Zamokano*  
 Signed

3/9/05  
 Date

WEATHER: CLEAR SKY, TEMP IN 60'S, WIND OUT OF N @ 15-20 KNOTS.

TECHS/DUTIES: TERRY- PILOT AIRCOASTAL, HAC- NOTES, SONDE, MFZ- COLLECTION, PROCESSING.

ACIDS: H<sub>2</sub>SO<sub>4</sub> (1:1) - 18 DROPS/100ml, 4 DROPS/100ml; HNO<sub>3</sub> (1:1) - 4 DROPS/100ml BOTTLES; PH 2.

EQUIPMENT: DIP WAND, DI CARBON #1024, SINKING/FILTER, ENR #1'S BUCKET #2, ELECTRY #3, 1L DISPOSABLE + 2L NALGENE BOTTLES FOR COLLECTION, METER STICK.

DCS = DEPTH TO CONSOLIDATED SUBSTRATE

TIME = COLLECTION / PROCESSING TIME

SAMPLES TO SFMMD LAB @ SKEES RD

SAMPLE #	SITE	TIME	TD(m)/DCS(m)	COMMENTS
P22182-7	CA33	0826 0827	0.16 / 0.25	TD < 0.20m, TPO4 ONLY, SAMPLE IS LITE YELLOW W/SMALL AMTS OF COARSE SUSP. SOLIDS. SITE HAS SAWGRASS, ALGAE, DECAYING VEGETATION.
P22183-9	CA34	0838 -	0.10m / -	TD < 0.10m, SITE DRY, NOB. SITE HAS SPRAYED, DECAYING CATTAIL.
P22183-5	CA311	0845 -	0.10m / -	TD < 0.10m, NOB, SITE HAS LILY PADS, RUSH, SAWGRASS, PERIPHYTON.
P22183-4	CA315	0851 1117	0.32 / 0.50	SITE HAS LILY PADS, PERIPHYTON, SAWGRASS, CATTAIL, SUBMERGENT VEGETATION. SAMPLE IS LITE YELLOW W/MOD AMTS OF FINE/COARSE SUSP SOLIDS INCLUDING VEGETATIVE MATERIAL.
P22183-3	CA318	0901 1127	0.67 / 0.80	SITE HAS LILY PADS, SUBMERGENT VEGETATION. SAMPLE IS MED YELLOW W/MOD AMTS OF FINE + COARSE SUSP. SOLIDS W/VEG-MAT.
P22183-2	CA317	0910 1136	0.86 / 0.90	SITE HAS SAWGRASS, RUSH, PERIPHYTON. SAMPLE IS MED YELLOW W/VERY SMALL AMT OF FINE SUSP. SOLIDS.
P22183-1	CA316	0917 1147	0.25 / 0.35	SITE HAS LILY PADS, SAWGRASS, RUSH. SAMPLE IS DARK YELLOW W/VERY HEAVY AMTS OF FINE + COARSE SUSP. SOLIDS W/VEGETATIVE MATERIAL.
P22182-6	CA32	0925	0.10m / -	TD < 0.10m, NOB. SITE HAS SAWGRASS, WILLOWS.
P22182-4	CA215	0931 0932	0.15 / 0.22	TD < 0.20m, TPO4 ONLY, SAMPLE IS LITE YELLOW W/SMALL AMTS OF SUSP. SOLIDS. SITE HAS SAWGRASS, PERIPHYTON.
P22182-5	CA29	0932 0938	0.16 / 0.17	TD < 0.20m, TPO4 ONLY. SAMPLE IS LITE YELLOW W/MV SUSP. SOLIDS.

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3/10/05

*[Signature]* J. JAMORANO

Signed

3/10/05

Date

SAMPLE#	SITE	TIME	TD(m)	VCS(m)	COMMENTS
P22183-10	41816	1200	-	-	SITE HAS PERIPHERY TON... FIELD QC. PROB. DI → 9/5 BUCKET → SYRINGE/FILTER (WHERE NEEDED) → SAMPLE BOTTLES. ACIDIFIED (AS NEEDED) P/12.
P22182-10					FIELD QC CANCELLED, PERFORMED W/ P22183.

\*NOTE: BS HELPED W/ PROCESSING.

No Further Entries  
Date 3/10/05

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3/10/05

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Date

WEATHER: PARTLY CLOUDY W/HAZE, TEMP IN LOW 30'S, NICE DAY  
 TECHS/DUTIES: JK WELLS - PILOT, HAC - NOTES, SONDE, MFZ - COLLECTION, PROCESSING.  
 ACIDS: H<sub>2</sub>SO<sub>4</sub> (1:1) - 8 DROPS/120 ml, 17 DROPS/250 ml, 4 DROPS/600 ml. HNO<sub>3</sub> (1:1) - 5 DROPS/600 ml. PHA  
 EQUIPMENT: DIP WAND, SYRINGE/FILTER, 1L DISPOSABLE + 2L NARGENE BOTTLES FOR COLLECTION, METER STICK, ENR #6 BUCKET #4, ENR TAY #4, DI CARBON #1041.  
 DCS = DEPTH TO CONSOLIDATED SUBSTRATE  
 TIME = COLLECTION/PROCESSING TIME

SAMPLES TO SPUMIO LAB @ SKEEPS RD

SAMPLE #	SITE	TIME	TD (m) / DCS (m)	COMMENTS
P21895-9	CA27	0829/1031	0.36 / 0.42	CATTAIL, SAWGRASS, SUB. VEG, ALGAE, PERIPHYTON. SAMPLE IS LITE YELLOW W/HEAVY AMTS OF FINE + COARSE SUSP. SOLIDS.
P21895-8	CA28	0831/1041	<del>0.36 / 0.42</del> 0.28 / 0.32	<sup>HAC 3/21/05</sup> CATTAIL, ALGAE, NEW VEG. SAMPLE IS LITE YELLOW W/MOD AMTS OF FINE & COARSE SUSP. SOLIDS.
P21895-5	CA29	0837/1033	0.18 / 0.26	TO 0.20m; TPOY ONLY. LILY PADS, SAWGRASS, SUB. VEG. SAMPLE IS LITE YELLOW W/MOD AMTS OF FINE + COARSE SUSP SOLIDS.
P21895-7	CA33	0845/-	<0.10 / -	TO 0.10m; NOB.
P21895-6	CA32	0850/-	<0.10 / -	TO 0.10m; NOB.
P21895-4	CA315	0858/1033	0.16 / 0.35	TO 0.20m; TPOY ONLY. PERIPHYTON KUSH. SAMPLE IS LITE YELLOW W/MOD AMTS OF FINE + COARSE SUSP SOLIDS.
P21895-3	WCA2F4	0903/-	<0.10 / -	TO 0.10m. NOB.
P21895-2	WCA2F2	0906/-	<0.10 / -	TO 0.10m, NOB.
P21895-1	WCA2F1	0910/-	<0.10 / -	TO 0.10m, NOB.
P21895-10	CA28	1100 / -	- / -	FCED. DI → BUCKET → SYRINGE/FILTER (WHERE NEEDED) → SAMPLE BOTTLES. ACIDIFIED AS NEEDED; PHA.

NO FURTHER GRABS  
HAC 3/21/05

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3/21/05  
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Date

WEATHER: SLIGHT OVERCAST, TEMP IN HIGH 80'S, HAZY.

TECHS/DUTIES: TERRY JONES - PILOT; HAC - NOTES, SONDE, HH; BS - COLLECTION, PROCESSING.

ACIDS: H<sub>2</sub>SO<sub>4</sub>(1:1) - 4 DROPS/60ml, 8 DROPS/120ml, 16 DROPS/250ml, HNO<sub>3</sub>(1:1) - 5 DROPS/60ml. PH < 2.

EQUIPMENT: SI CARBON #1041, 2L NALGENE + 1L DISPESTABLE BOTTLES FOR COLLECTION, DIP WAND, SYRINGE/FILTER (WHERE NEEDED), STA #15 BUCKET #11, ENR TRAY #9.

DCS = DEPTH TO CONSOLIDATED SUBSTRATE

TIME = COLLECTION/PROCESSING TIME

SAMPLES TO SFWD @ UAB @ SKERS RD

SAMPLE #	SITE	TIME	TD(m)/DCS(m)	COMMENTS
P21897-1	C316	0837 / 1132	0.45 / 0.47	SITE HAS CATTAIL, LILY PADS, SUB VEG., ALGAE. SAMPLE IS LITE YELLOW W/ MOD AMTS OF FINE & COARSE SUSP. SOLIDS.
P21897-2	C317	0848 / 1145	0.75 / 0.90	SITE HAS PERIPHANTON, CATTAIL, RUSH, SUB. VEG.. SAMPLE IS LITE YELLOW W/ NV SUSP. SOLIDS.
P21897-3	C318	0857 / 1154	0.60 / 0.65	SITE HAS LILY PADS, SUB VEG., ALGAE. SAMPLE IS LITE YELLOW W/ SMALL AMTS OF FINE & COARSE SUSP. SOLIDS.
P21897-4	C315	0908 / 1207	0.46 / 0.45	SITE HAS LILY PADS, WILLOW, RUSH, SAWGRASS, SUB VEG. SAMPLE IS LITE YELLOW W/ HEAVY AMTS OF FINE & COARSE SOLIDS.
P21897-5	C311	0920 / 0920	0.18 / 0.30 TD < 0.20m, TPO4	SITE HAS HEAVY AMTS OF VEG, LILY PADS, PERIPHANTON, ALGAE, RUSH, VERY MUCKY. SAMPLE IS LITE YELLOW W/ NV SUSP. SOLIDS.
P21897-6	C338	0927 / 0927	0.18 / 0.22 TD < 0.20m, TPO4	SITE HAS SAWGRASS, RUSH, SUB. VEG. SAMPLE IS LITE YELLOW W/ VERY SMALL AMTS OF FINE SUSP SOLID.
P21897-7	C335	0940 / 0942	0.16 / 0.17 TD < 0.20m, TPO4	SITE HAS SAWGRASS, SUB. VEG., WILLOWS. SAMPLE IS LITE YELLOW W/ VERY SMALL AMTS OF FINE SUSP SOLID.
P21897-8	C316	0954 / -	< 0.10 / - TD < 0.10m, NOB3	VERY LOW WATER @ SITE. CATTAILS, WILLOW, SAWGRASS
P21897-9	C341	1001 / -	< 0.10 / - TD < 0.10m, NOB3	VERY LOW WATER @ SITE, CATTAIL, SUB. VEG.
P21897-10	C335	1218 / 1218	- / -	FEED. DI → #15 BUCKET → SYRINGE/FILTER (WHERE NEEDED) → SAMPLE BOTTLES. ACIDIFIED AS NEEDED; PH < 2.

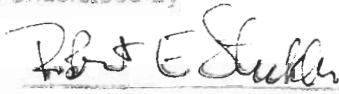
Read and Understood By

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ACIDIFIED AS NEEDED; PH < 2.


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3/22/05

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3/22/05

Date



Weather: CLEAR Sky

Pilot: FERRY

Kevin Maier - observer

RS - Water processing; KB - observer

Duties: DBS → books, hydro lab, processing; BA → water collection

Methods: Two 2-Liter bottles used for sampling collection; sites accessed by float helicopter and samples processed at Skees Rd. Lab. P21764 Sample submitted to SFWMD for analysis.

Tdepth = Water Column Depth; DCS = Water Column depth + detrital layer

Equipment Used: Trays, processing buckets, syringes, filters, deionized water

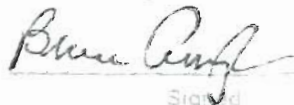
Sample #	Collect/Process Time	Site	Descriptive Comments
P21764-1	923 / 1210	SSAD SAMPLE	Light Brown Light Suspended PARTICLES Canal, downstream tdepth > 1 m DCS > 1 m
P21764-2	934	Lox 3 NO SAMPLE	Grass, Spikerush tdepth = 0.04 m DCS = 0.10 m
P21764-3	940	Lox 5 NO SAMPLE	Lily pads, Sawgrass tdepth = 0.06 m DCS = 0.11 m
P21764-4	947 / 1221	Lox 10 TPO <sub>4</sub> , Cl, SO <sub>4</sub> only	Light Brown Light Suspended PARTICLES Spikerush, lily pads tdepth = 0.10 m DCS = 0.18 m
P21764-4 -5	955	Lox 9 NO SAMPLE	Bearrush, Sawgrass tdepth = 0.09 m DCS = 0.15 m

Continued on p. 96

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04. DBS  
Date



4/4/05  
Date

4/4/05

ba, dds

Sample #	Collect / Process Time	Site	Description	Comments
P21764-6	1008/1227	Lox 8 sample	light brown stain; moderate suspended particles	Sawgrass, Lily pads. depth = 0.29 m DCS = 0.36 m
P21764-7	1020/1248	Lox 7 sample	medium brown stain; moderate sus. particles	Sawgrass, Tree Islands depth = 0.21 m DCS = 0.33 m
P21764-8	1031/1245	Lox 4 sample	light brown stain grass particles; light sus sediments	Rush, Melaleuca depth = 0.28 m DCS = 0.31 m STAFF GAUGES 1652 NUGD
P21764-9	1306	FCEB (Lox 4)		DI → faucet → bucket → Syringe & filter as needed → acidify as needed → sample bottle.
ba			<p>Sample acidified to pH &lt; 2.0.</p> <p>50% H<sub>2</sub>SO<sub>4</sub> 5 drops, 60 ml 12 drops, 250 ml.</p> <p>50% HNO<sub>3</sub> 5 drops, 60 ml 12 drops, 250 ml.</p>	
4/4/05				

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4/4/05

Date

Weather: clear, 72°  
 Pilot: Elathmann, ROBERT PDS-processing SR- Processing KB - Observer  
 Duties: RVS2 → lakes, hydro lab, processing; BA → Water Collection, processing  
 Methods: Two 2-liter bottles used for sampling collection; Sites accessed by float helicopter and sample processed at Skees Rd Lab. P21765  
 Sample submitted to SFWMD for analysis.

Equipment Used: Trays, processing buckets, syringes, filters, deionized water

Tdepth = Water Column Depth DCS = Water Column depth + detrital layer

Sample #	Collect/Process Time	Site	Description + Comments
P21765-1	0913/1131	Lox 6 sample	Lily pads, Sawgrass tdepth = 0.36 m DCS = 0.48 m Light yellow stain Light solids
P21765-2	0919/1152	Lox 11 Sample	Lily pads, Tree Islands tdepth = .26 m DCS = .36 m Light brown stain Moderate suspended particles
P21765-3	0939/1155	Lox 13 Sample	Sample taken from float Lily pads, bladderwort tdepth = 0.43 m DCS = 0.52 m Moderate brown stain, Moderate suspended solids
P21765-4	0949/1204	Lox 14 sample	Sample taken from float Lily pads, Sawgrass tdepth = .53 m DCS = .71 m
P21765-5	1000/1214	Lox 16 Sample	Sample taken from float Lily pads, bladderwort tdepth = .80 m DCS = .84 m light brown stain Moderate solids

*Robert Elathmann*  
Signed

4/5/05  
Date

*Brain Ury*  
Signed

4/5/05  
Date

Sample #	Collect/Process Time	Site	Description & Notes
P21765-6	1009 / 1134 ba 4/5/05 1229	Loy 15 Sample	Lily pad, Sawgrass T depth = .60 M DCS = .83 M Light Yellow stain Suspended particles
P21765-7	1016 / 1240	Loy 12 Sample	Lily pad, Sawgrass T depth = .50 M DCS = .70 M Light Brown Stain MODERATE SUSPENDED PARTICLES STAFF Gauge: 16.55 AVG d
P21765-8	1241	Loy 12 (FCEB)	DI → Faucet → Bucket → Syringe & Filter as needed → acidify as needed → Sample bottle

Sample acidified to pH < 2.0

50% H<sub>2</sub>SO<sub>4</sub> 5 drops, 100 ml  
12 drops, 250 ml

50% HNO<sub>3</sub> 5 drops, 100 ml  
12 drops, 250 ml

R52  
4/5/05

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Date

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Date

WEATHER: CLEAR SKY → PARTLY CLOUDY, WIND OUT OF SE, TEMP IN 70's, WINDY DAY.  
TECHS/DUTIES: PILOT - TERRY (AIRCOASTAL), HAC - NOTES, HH, SONDE, MFZ - COLLECTION,  
PROCESSING.

ACIDS:  $H_2SO_4(1:1)$  ~~HHA 4/6/05~~ DROPS/250ml, 8 DROPS/120ml, ~~HHA 4/6/05~~ DROPS/60ml.  $HNO_3(1:1)$  ~~DROPS/60ml. PH2.~~ HHA 4/6/05

EQUIPMENT: ~~26 NALGENES + 16 DISPOSABLE BOTTLES FOR COLLECTION~~, DIP WAND,  
~~SYRINGE/FILTER (WHERE NEEDED)~~, HHA 4/6/05. TPO4 BOTTLES FOR COLLECTION.

DCS = DEPTH TO CONSOLIDATED SUBSTRATE

TIME = COLLECTION / PROCESSING TIME

SAMPLES TO SFWIND LAB @ SKEES RD

SAMPLE #	SITE	TIME	TD(m)/DCS(m)	COMMENTS
P22256-9	CA27	0840 <del>0840</del>	0.20 / 0.28	TPO4 ONLY, TD ≤ 0.20m. SAMPLE IS LITE YELLOW w/ SMALL AMTS OF FINE + COARSE SUSP. SOLIDS. PH2. SITE: LILY PADS, SAWGRASS, ALGAE.
P22256-8	CA28	0845 <del>0845</del>	0.15 / 0.21	TPO4 ONLY, TD < 0.20m. SAMPLE IS LITE YELLOW w/ HEAVY AMTS OF FINE + MUD AMTS OF COARSE SUSP. SOLIDS. PH2. SITE: SPRAYED CATTAILS, PERIPHYTON, ALGAE.
P22256-7	CA33	0852 <del>0852</del>	0.16 / 0.30	TPO4 ONLY, TD < 0.20m. SAMPLE IS LITE YELLOW w/ SMALL AMTS OF FINE SUSP. SOLIDS. PH2. SITE: SAWGRASS, PERIPHYTON, ALGAE.
P22256-6	CA32	0900 <del>-</del>	0.10m / -	TD < 0.10m, NOB. SITE: SAWGRASS.
P22256-5	CA29	0907 <del>0907</del>	0.20 / 0.27	SAMPLE IS LITE YELLOW w/ SMALL AMTS OF FINE SUSP. SOLIDS TO ≤ 0.20m, TPO4 ONLY. PH2. SITE: LOTS OF PERIPHYTON, LILY PADS.
P22256-4	CA215	0916 <del>-</del>	0.10m / -	TD < 0.10m, NOB. SITE: RUSH, LILY PADS, PERIPHYTON, SAWGRASS
P22256-3	WCA24	0922 <del>0922</del>	0.15 / 0.30	TD < 0.20m, TPO4 ONLY. SAMPLE IS LITE YELLOW w/ HEAVY AMTS OF FINE + COARSE SUSP. SOLIDS. PH2.

Read and Understood By

*Helfandable* 4/6/05  
Signed Date

*M. Amorim*  
Signed

4/6/05  
Date

SAMPLE #	SIZE	TIME	TD(m) / DO(m)	COMMENTS
P22250-2	WCA2FA	0926 / 0926	0.14 / 0.57	SITE: MUCKY, SANDY. TOC 0.20m, TPO ONLY. SITE: CATTAIL, DECKING VEGETATION, ALGAE, VERY MUCKY. SAMPLE IS <del>ONE</del> <del>VERY</del> <del>W/</del> <del>HAC</del> 4/6/05 DARK BROWN W/ VERY HEAVY AMTS OF FINE + COARSE SUSP SOLIDS. PH 2.
P22250-1	WCA2FI	0930 / 0930	0.14 / 0.22	TOC 0.20m, TPO ONLY. SITE: GATORS, CATTAIL, VERY MUCKY, PERiphyTON, ALGAE. SAMPLE IS LITE YELLOW W/ SMALL AMTS OF FINE + COARSE SUSP. SOLIDS. PH 2.
P22250-10	WCA2FI	1000 / 1000	- / -	FB. NO EQUIP. USED TO COLLECT SAMPLES, ONLY DIP W/ HAND. FCB NOT REQ. DI FROM TAP @ LAB TAKEN INTO FIELD, BOTTLE FILLED IN FIELD. ACIDIFIED; PH 2.

NO FURTHER ENTRIES  
HAC 4/6/05

Continued on Page 1

Read and Understood By

*Hely Andetta*  
Signed

4/6/05  
Date

*V. Amorano*  
Signed

4/6/05  
Date

Weather: Partly cloudy, SSE wind temp ~75°F

Techs/duties: Pilot: LEE (District), MFL coll, process, BS - HydroLab, notes, process

Acid: 1:1 H<sub>2</sub>SO<sub>4</sub>: 8 drops in 120 ml bottle, 16 drops in 250 ml bottle, 4 in 60 ml bottleEquip: 2 L Nalgene bottles, 1 L disp. bottles, dip wand (TPD<sub>4</sub>'s), measuring stick, De Carbon 1044, EAR #1 bucket, TRAY ELC3

DCS: depth to consolidated substrate

Time: collection / processing time

Samples → SEW01B ? ab

Acid 1:1 HNO<sub>3</sub>: 5 drops in 60 ml bottle

Sample #	Site	Time	TD / DCS (m)	Comments
P22257-1	CA316	0835/1130	0.29 / 0.42	hyacinths, cattails, sawgrass. Sample is light yellow color w/ light amt of fine/coarse susp. solids
P22257-2	CA317	0844/1142	0.54 / 0.76	cattails, sawgrass. Water sample is light yellow w/ very light amt of fine/coarse susp. solids.
P22257-3	CA318	0854/1150	0.32 / 0.56	hyacinths, sawgrass. Water sample is light yellow color w/ moderate amt of fine/coarse susp solids.
P22257-4	CA315	0904/0909	0.15 / 0.26	hyacinths, sawgrass, periphyton TPD <sub>4</sub> only. Water sample is light yellow w/ moderate amt of fine/coarse susp. solids
P22257-5	CA311	0915/0915	0.19 / 0.28	hyacinths, cattails, sawgrass. Water sample is light yellow color w/ moderate amt of fine/coarse susp solids. TPD <sub>4</sub> only
P22257-6	CA308	0924/0924	0.14 / 0.20	sawgrass, grasses. Water sample is light yellow color w/ light amt of fine susp solids

continued on Page 37

Read and Understood By



Signed

4/7/05

Date



Signed

4/7/05

Date

Sample #	Site	Time	TD/DCS	Comments
P22257-7	CA35	0934	<0.1/-	No Sample. TD < 0.10
P22257-8	CA36	0940	<0.1/-	No sample - TD < 0.10
P22257-9	CA34	0947	<0.1/-	No sample - TD < 0.10
P22257-10	CA38	1200	-	FCEB: DI water → bucket → (syringe/filter) → bottles

No further entries this page

Continued on Page —

Read and Understood By

*E. Slick*

Signed

4/7/05

Date

*H. Zamorano*

Signed

4/7/05

Date



WEATHER: Clear sky. Temp ~ mid 70s.

TECHS: PILOT: LEE. FIELD. MFZ, HH, Hydrolab, notes. BS: Collection process.

ACIDS: H<sub>2</sub>SO<sub>4</sub>: 8 drops into 120 ml.

EQUIPMENT: NO EQUIP. USED. meter stick, 120 ml bottles.

TD: Total depth. DCS: Depth to consolidated substrate.

\*All samples process in the field.  
Samples to SEWMD. LAB.

SAMPLE #	SITE	TIME	TD/DCS (m)	COMMENTS
P22261-9	CA27	0835	.17/.21	Surrounded by sawgrass, water lilly. TPO4 only, light yellow w/ no vis. susp. solids
P22261-8	CA28	0842	<.10/ N/A	No sample, NOB. TD <.10m
P22261-7	CA33	0850	.18/.33	Hyacinths, sawgrass. TPO4 only. sample is yellow w/ few solids.
P22261-6	CA32	0904	<.10/ N/A	No sample NOB. TD <.10m
P22261-5	CA29	0908	.16/.21	Water lilly, open water, cattail. TPO4 only, light yellow, no vis. susp. solids.
P22261-4	CA215	0916	.15/.25	Open water, some sawgrass. TPO4 only, light yellow clear w/ no vis. susp. solids.
P22261-3	WCA2F4	0925	.12/.15	Cattail & water lilly. TPO4 only. sample is light yellow w/ no susp. solids.
P22261-2	WCA2F2	0931	.15/.25	Cattails, mucky. TPO4 only. Sample is yellow w/ small mod. amt. fine susp. solids.
P22261-1	WCA2F1	0939	<.10 (NA)	No sample, NOB. TD <.10m.
P22261-10	WCA2F1	1025	N/A	FB → NO EQUIPMENT USED. DI from Lab into sample bottle. TPO4 only.

ANALYSIS DIV.

APR 18 AM 11:19

H. J. Amorano

Signed

04/18/05

Date

D. G. E. Suckler

Print

4/18/05

Lab

SA: Notes

MFZ: WQ

Terry Jones: Pilot

Weather: Clear, mid 70's

H<sub>2</sub>SO<sub>4</sub>: 15 drops in 250mL + 5 in 60mL For pH < 2HNO<sub>3</sub>: 4 drops in 60mL For pH < 2

Equipment: DI #1057, Bucket ENR #4, 22 nalgene + 1 L disposable

Bottle for sample collection

DCS = Depth to Consolidated substrate

Time = Collection/Processing

Samples to Skeeshab

Sample #	Site	Time	ID (m) / DCS (m)	Comments
CA34	08 SA	4/19/05		
P22262-9	CA34	0835	0 / 0	No water
P22262-8	CA36	0839	0 / 0	No water
P22262-7	CA35	0848	<.10m	Very little water, Arrowheads in Area
			NO sample submitted	
P22262-6	CA38	0851	.14m / .24	TPO4 only - maiden core, Arrowhead + Sawgrass Sample is Pale yellow with few suspended solids.
P22262-5	CA311	0902	.18 / .32	TPO4 only - water hily, Coontail + Hydrilla - Sample is light yellow with few suspended solids.
P22262-4	CA315	0912 1135	.26 / .40	water hily, sample is light yellow with heavy/fine suspended solids

Shane Allen

Signed

4/19/05

Date

W. Zambrano

Signed

4/19/05

Date

Sample #	site	Time	TO (m) / OCS (m)	Comments
P22262-3	CA318	<u>0925</u> 1150	.49 / .66	Water lily, sample is Lite yellow with lite Suspended Solids
P22262-2	CA317	<u>0934</u> 1205	.55 / .70	Periphyton Present, + Sawgrass, Sample is Lite yellow with lite Suspended Solids
P22262-1	CA316	<u>0943</u> 1220	.25 / .32	Water lily. Sample is Lite yellow with Lite suspended Solids
P22262-10 (FCES)	CA314	1235	—————	DI into bucket, Syringe + Filter into Sample Bottles

Shane Allen  
Signed

Read and Understood 5,  
4/19/05 M. Zamora  
Date Signed

4/19/05

Weather: 100% overcast, warm

Pilot: Alex Brostek

Duties: R52 - notebook, process sample; D25 - collect/process sample

Methods: Two 2-liter baffles used for sampling collection; sites accessed by float helicopter and samples processed at Stees Rd. Lab. P22546 sample submitted to SFWMD for analysis.

T depth = Water column depth; DCS = water column depth + detrital layer

Equipment used: Trays, processing buckets, syringes, filters, deionized water

Sample #	Collect/Process Time	Site	Description and Comments
P22546-2	0859/1110	55AD Sample	Dark Brown stain low suspended sediment Canal, downstream t depth > 1M DCS > 1M
P22546-3	0859/1130	55AD (Replicate Sample) Sample	Dark brown stain low suspended sediment Canal, downstream t depth > 1M DCS > 1M
<del>P22546-4</del>	<del>0910/</del> <del>05/03/05</del>	<del>55AD (Replicate Sample) NO Sample (Now collector)</del>	<del>NO WATER</del> Canal, downstream t depth > 1M DCS = 2.1M Thought I only need 1 replicate.
P22546-5	0914/ 0910/	LOX-3 NO Sample	NO WATER Grass, spikegrass t depth = < 10cm DCS =
P22546-6	0914/	LOX-5 NO Sample	NO WATER Lily pads, Sawgrass t depth = < 10 cm DCS =

Continued on Page 2

Alex Brostek

5/2/05

Alex Brostek

05.02.05

5/2/05

Sample #	Collect/Process TIME	site	Description and Comments
P22546-7	0920/	LOX 10 NO sample	Spilceruh, lily pads + depth = 5 cm DCS =
P22546-8	0924/	LOX 9 NO sample	Brown stain <sup>DB</sup> s/3bs backwash, seaweeds heavy suspended sediment + depth = 9 cm DCS =
P22546-9	0933/1145	LOX 8 SAMPLE	Seaweed, lily pads + depth = 0.36 m 0.36 m DCS = 0.38 m Light brown stained - light & heavy particles
P22546-10	0944/201	LOX 7 SAMPLE	Seaweed, Tree Islands + depth = .19 m DCS = .22 m HEAVY DARK BROWN STAIN HEAVY SEDIMENT PARTICLES
P22546-11	0958/1204	LOX 4 TRON, CL, SDU only	Lush, Melaleuca + depth = .13 m DCS = .16 m LIGHT BROWN STAIN HEAVY SUSPENDED PARTICLES
P22546-12	1224/1224	LOX 4 (FCEB)	DI → Faucet → <del>Brush, Melaleuca</del> bucket → Syringe filter as needed → <del>DCS =</del> Sample bottle as diff. as needed → Sample bottle
			Samples acidified to pH < 2.0 50% H <sub>2</sub> SO <sub>4</sub> 5 drops, 60 ml 12 drops, 250 ml 56% HNO <sub>3</sub> 5 drops, 60 ml 12 drops, 250 ml

Read and Unde

H. Smith

Signed

5/2/05

Date

J. Smith

05.02.05



Sample #	Collect/Process Time	Site	Description and Comments
P22547-6	0915 / 1159 5/3/05	Lox 13 sample	Lily pads, bladderwort + depth = .32 m. Des = .39 m. Light Brown Stain Light Particles
P22547-7	0922 / 1200	Lox 14 sample	Lily pad, sawgrass + depth = .37 m DC6 = .43 m. Light Brown Stain Heavy settled Particles
P22547-8	0930 / 1215	Lox 16 sample from float	Lily pad, bladderwort + depth = .63 m DC6 = .66 m. Light Brown Stain Light Particles
P22547-9	0938 / 1222	Lox 15 sample from float	light Brown stain Lily pad, sawgrass + depth = .61 m DCS = .66 m Light particles
P22547-10	0946 / 1231	Lox 12 sample from float	by DCS 5/3/05 Lily pad, sawgrass + depth = .61 m DCS = .62 m 16.00 ft (gang)
P22547-11	1240 / 1240	Lox 12 (FCE0)	PE → Ament → buckets → syringe → or filter as needed → acidity as needed → sample bottle  sample acidified to pH < 2.0 50% H <sub>2</sub> SO <sub>4</sub> 5 drops, 60 ml 12 drops, 250 ml  50% HNO <sub>3</sub> 5 drops, 60 ml 12 drops, 250 ml

Robert V. Smith  
Signed

5.3.05  
Date

Robert V. Smith  
Signed

05.03.05

Weather: Hazy, partly cloudy, temp ~ 75°F  
 Techs: Pilot-Ron MFZ - WO BS - Hydrolab, notes

Acids: 1:1 H<sub>2</sub>SO<sub>4</sub> = 8 drops in 120 ml.

Equip: meter stick, 120 ml bottles

TD = Total depth DCS = depth to consolidated substrate

Time = collection / process times

All samples processed in the field & delivered to SiWMD lab @ Skees Rd

Sample #	Site	Time	TD/DCS (m)	Comments
P22420-9	CA27	0842/ /0842	.14/.18	TPD <sub>a</sub> only. Water sample is light yellow color w/ light amt of fine Sawgrass.
P22420-8	CA28	0846/0846	.14/.19	TPD <sub>a</sub> only. Water sample is clear yellow color w/ light amt of fine susp. solids.
P22420-7	CA33	0857/0857	.19/.30	Arrowroot & sawgrass. TPD <sub>a</sub> only. Water sample is clear yellow color w/ light amt of fine susp. solids.
P22420-6	CA32	0906 -	<.10	No sample - <.10m depth
P22420-5	CA29	0914/0914	.15/.20	Hyacinths, sawgrass, TPD <sub>a</sub> only. Water sample is light yellow color w/ light amt of susp. solids (fine)
P22420-4	CA215	0921/0921	.14/.24	Sawgrass, periphyton, some hyacinths. Water sample is light yellow w/ very light amt of fine susp. solids

Continued on Page 47

Robert E. Stukker

Signed

Read and Understood By

5/4/05  
60:11:17-1-1414 9007  
Date

H. J. Amoreano

Signed

5/04/05

Date

RECEIVED



WEATHER: Hazy, very overcast, TEMP ~ LOW 70'S

TECHS: PILOT: LEE, BS: COLLECTION, PROCESS, MF2: HYDRO, NOTES.

ACIDS: (1:1) H<sub>2</sub>SO<sub>4</sub> 8 in 120 ml, 16 in 250 ml, 4 in 60 ml. HNO<sub>3</sub> (1:1) 5 in 60 ml.

EQUIPMENT: METER STICK, 2L NALGENE & 1 LITER BOTTLES (COLLECTION). 120 ml BOTTLES. BUCKET: ENR #3, TRAY ELC #1, DI canboy # 1086, SUNNY'S FILTERS

TD: TOTAL DEPTH (m) DCS; DEPTH TO CONSOLIDATED SUBSTRATE (cm).

TIME: COLLECTION / PROCESS

Samples process in FOC LAB. AND DELIVERED TO SFWMD. LAB @ SLOES.

Sample #	SITE	TIME	TD/DCS (m)	COMMENTS
P22425-1	CA316	0835 1135	.23/.34	Site surrounded by cattail, open water, w/ water lily. Sample is light yellow w/ small amt. of fine susp. solids. PH 2.
P22425-2	CA317	0845 1200	.50/.70	Open water, some cattails surrounds the area. Sample is light yellow clear w/ very fine susp. solids. PH 2.
P22425-3	CA318	0857 1214	.35/.45	Open water, water lily. Sample is light yellow w/ small amt of fine susp. solids. PH 2.
P22425-4	CA315	0906 1227	.35/.53	Open water, water lily, surrounded by sawgrass. Sample is light yellow clear, with small amt. of fine susp. solids. PH 2.
P22425-5	CA311	0915 1240	.30/.40	Open water, cattails, w. lily. cent. of. Torpedo grass and arrowhead. Sample is light yellow, w small amt. of fine susp. solids. PH 2.

Continued on Page 51

Read and Understood By

V. LAMORANO

05/05/05

R. E. Fuller

5/5/05

Signed

Date

Signed

Date

EVPA 3 05/17/05 BW, SW GRABS MFZ, JDN

WEATHER: SLIGHT OVERCAST, MILD WIND FROM S. TEMP ~ High 70's.

TECHS: MFZ, JDN

PILOT: AIR COASTAL: CHRIS.

ACIDS: (1:1) H<sub>2</sub>SO<sub>4</sub> 8 in 120ml, 16 in 250ml, 4 in 60ml, HNO<sub>3</sub> (1:1) 5 in 60ml

EQUIPMENT: METER STICK (m), 2L NALGENE 1 LL BOTTLES (COLLECTION) 120ml

BOTTLES. BUCKET: STA 12, TRAY: ENR 4 DI Carboy #: 1096, Syringe 3 Filters.

TD = TOTAL DEPTH (m), DCS: DEPTH TO CONSOLIDATED SUBSTRATE (m)

TIME = COLLECTION / PROCESS

SAMPLES DELIVERED TO SEWARD LAB.

<u>SAMPLE #</u>	<u>SITE</u>	<u>TIME</u>	<u>TD/DCS</u>	<u>COMMENTS</u>
P22426-1	CA316	<u>0905</u> <u>0905</u>	.15/.35	Site surrounded by cattails, open water w/ lilly patches. Sample is light yellow w/ small amt. of fine susp. solids. PH < 2. TPO <sub>4</sub> only.
P22426-2	CA317	<u>0915</u> <u>1212</u>	.51/.61	Open water, cattails, sawgrass. Sample is clear yellow w/ very small amt. of fine susp. solids. PH < 2
P22426-3	CA318	<u>0926</u> <u>1230</u>	.41/.47	Open water, lilly patches some cattails. Sample is light yellow w/ small amt. of fine susp. solids. PH < 2.
P22426-4	CA315	<u>0941</u> <u>0941</u>	.14/.24	Open water. lilly patches. Sawgrass. Sample is clear light yellow, w/ very small amt. of fine susp. solids. PH < 2. TPO <sub>4</sub> only.
P22426-5	CA311	<u>0953</u> <u>1245</u>	.36/.40	Open water, surrounded by cattail, large amounts of SAV. Sample is light yellow with moderate amount of fine and coarse susp. solids. PH < 2.

59

U. JAMORANO

05/17/05

11:30 AM LT 1000

Wade

5/17/05

CONT:

<u>SAMPLE #</u>	<u>SITE</u>	<u>TIME</u>	<u>TD/DCS</u>	<u>COMMENTS</u>
P22426-6	CA38	1004 1302	.257.30	Surrounded by sawgrass, paragrass, arrowhead on site. Sample light yellow w/ moderate amount of fine, coarse susp. solids. PH < 2.
P22426-7	CA35	1013	<.10 / -	TD > <.10 m NOB. No sample. Shallow water.
P22426-8	CA36	1020	<.10 / -	TD = <.10 m. NOB. No sample shallow water.
P22426-9	CA34	1028 1028	.12 / .14	Cattails, sawgrass, and small grasses. sample is light yellow w/ small amount of fine susp. solids. PH < 2. TPO4 only
P22426-10	CA34	1321	FCFB.	FCFB → DI From carboy 10916 into sample bucket → GTA 12 into sample bottles. (syringed & filtered as needed) acid to PH < 2. rinses performed.

No further entries.

MF2  
05/17/05

U. Zamora

05/17/05

JDN

sterile

WEATHER: OVERCAST, WITH LIGHT RAIN TEMP LOW 90'S.

TECHS: KAL, MFZ. PILOT: ALEX. KAL: COLLECTION/PROCC. MFZ: NOTES HH.

ACIDS: Lot # 432039 opened 5-31-05 - Sulfuric acid only  $H_2SO_4(1:1)$  in 60.8 ml 120ml.

EQUIPMENT: METER STICK, 2L NALGENE, 1L BOTTLES (COLLECTION), 120ML BOTTLES.

BUCKET: N/A TRAY: N/A DI: #1101 syringe &amp; filters.

TD = TOTAL DEPTH (m), DCS = DEPTH TO CONSOLIDATED SUBSTRATE (m)

TIME = COLLECTION/PROCESS.

SAMPLES DELIVERED TO SFWMO. LAB.

SAMPLE #	SITE	TIME	TD/DCS	COMMENTS.
P22422-1	WCA2F1	0853	N/A	NO WATER, NOB. TD < .10m.
P22422-2	WCA2F2	0855	N/A	NO water, NOB. TD < .10m.
P22422-3	WCA2F4	0857	< .10m / .20	TD < .10m, NO significant amt. of water. NOB. NO sample. Site surrounded by cattails.
P22422-4	CA216	0903 / 0906	.11 / .25	TPO <sub>4</sub> only. Open water, site surrounded by sawgrass, Lilly patches. light yellow w/ small amt. of fine susp. solids. PH < 2.
P22422-5	CA29	0912 / 1053	.15 / .28	Open water, surrounded by sawgrass, water lilly on site. TPO <sub>4</sub> only. Sample is light yellow w/ small amt. of fine sdsp. solids.
P22422-6	CA32	0923	.09 / .15	TD < .10m no sample, site surrounded by sawgrass. NOB.
P22422-7	CA33	0931 / 1055	0.13 / .15	SITE SURROUNDED BY sawgrass arrowhead, TPO <sub>4</sub> only. Sample is light yellow w/ moderate amount of fine susp. solids.

W. LAMORANO

Signed

5/31/05

Date

Kristin Larson 5/31/05

Signed

Sample #	SITE	TIME	TD/DCS	COMMENTS
P22422-10	CA33	0940/ 1057	NA #	FB. TPO <sub>4</sub> only. DI from canbay into a 500mL bottle → 120mL (in field open to environment) bottle
P22422-8	CA28	0947/ 1058	0.1 / 0.15	TPO <sub>4</sub> only. Site surrounded by cattails. light yellow w/ small amt. of fine susp. solids. Much periphyton at site.
P22422-9	CA29	0953/ 1100	171.23	TPO <sub>4</sub> only. Light yellow w/ small amt. of fine susp. solids. open water, surrounded by cattail & sawgrass.

ANALYSIS DIV.  
RECEIVED

H. Lanorano

Signed

26/05/05

Date

Kristin Luson 5.31.05

Signed

Date

RECEIVED

EYPA 3 06/02/05 BW, SW GRABS MFZ, RL

WEATHER: MEDIUM OVERCAST, TEMP HIGH 80<sup>o</sup>, LIGHT WIND COND.

TECHS: RL: COLLECTION) PROCESS. MFZ: NOTES, HH, HYDRO. PIZOT: TERRY (AC)

ACIDS: H<sub>2</sub>SO<sub>4</sub> (1:1) 16 drops in 250, 8 in 120, 4 in 60 ml. HNO<sub>3</sub> (1:1) 5 drops in 60 ml.

H<sub>2</sub>SO<sub>4</sub> LOT 21505 opened 5/31/05, HNO<sub>3</sub>: LOT 120304: 5/31/05.

EQUIPMENT: BUCKET: ELC # 3, TRAY: ENZY DI: 1112. Syringe & filters, 2L volgens bottles, 1L bottles & 120ml bottles, (COLLECTION). METER STICK.

TD = TOTAL DEPTH in (m). DCS = DEPTH TO CONSOLIDATED SUBSTRATE

TIME = COLLECTION / PROCESS

SAMPLES DELIVERED TO SFUMD. LAB.

<u>SAMPLE #</u>	<u>SITE</u>	<u>TIME</u>	<u>TD/DCS</u>	<u>COMMENTS</u>
P22427-1	CA316	<u>1034</u> 1300	.25 / .32	Open water, lilly patches surrounded by cattails. Periphyton on site. light clear yellow w/ small amount of fine susp. solids. some veg in sample.
P22427-2	CA317	<u>1026</u> 1246	.50 / .65	Open water. heavy amt. of periphyton. Clear yellow, w/ small amount of fine susp. solids. PH22
P22427-3	CA318	<u>1014</u> 1235	.30 / .50	Open water. lilly patches. distant sawgrass. some SAV on site. Sample is light yellow w/ heavy amount of fine & coarse susp. solids. PH22
P22427-4	CA315	<u>1002</u> 1225	.23 / .38	Open water, lilly patches. heavy amt. of SAV. surrounded by sawgrass & cattail, Periphyton present. Sample is light yellow w/ heavy amt. of fine, coarse susp. sd.
P22427-5	CA311	<u>0950</u> 1210	0.21 / 0.41	Open water, lilly patches. surrounded by sawgrass. heavy amt of SAV. combine with periphyton. Sample is light yellow with mod. amt of fine and coarse susp. sd. PH22. 67

U. JAMORANO

06/02/05

06/02/05

CONT:

<u>Sample #</u>	<u>SITE</u>	<u>TIME</u>	<u>TD/DS</u>	<u>COMMENTS</u>
P22427-6	CA38	0941 0941	0.19/0.21	Surrounded by sawgrass, Paragrass, arrowhead & periphyton on site. light clear yellow w/ no vs. susp. solids PH 4.2. TPO4 only.
P22427-7	CA35	0935 N/A	0.05/0.06	NOB, SITE surrounded by sawgrass. TD < 10m.
P22427-8	CA36	0930 N/A	< 10 / < 10	NOB, DRY, cattails, TD < 10m not enough water.
P22427-9	CA34	0915 0915	0.15/0.17	SITE surrounded by cattail, sawgrass, arrowhead. Sample is light yellow w/ heavy amt. of fine & coarse susp. solids. PH 4.2. TPO4 only.
P22427-10	CA36	1315 1315	FCEB	DI from 1112 into sample bucket into sample bottles, (syringe and filter as needed) acid as required. Vines performed. PH 4.2.

no further entries.

MF2

06/02/05

Page

Read and Understood

K. LAMORANO

06/02/05



Signature

06/02/05

Date

Weather: scattered clouds, sunny, 30°C-? Pilot: Alex Brostek  
 Duties: RS2 - notebook, sample processing; SA2 - sample collection + processing  
 Methods: Two 2-liter nalgene bottles used for sample collection; sites accessed by float helicopter and samples processed at Skees Road lab. P22548 sample submitted to SPWD for analysis. P22550 split sample for TPO4 submitted to PDEP for analysis.

"FLOCC" = suspended solids RS2 7/12/05  
 Tdepth = water column depth; DCS = water column depth + detrital layer

Equipment used: Trays, processing buckets, syringes, filters, deionized water

Sample #	Collect	Process time	Site	Description + Comments
P22548-1	0855	RS2 6:13:05	SSAD (EB)	Canal, downstream tdepth > 1M DCS > 1M
P22550-1	0740	1110	(SS)	
P22548-2	0855	1130	SSAD sample split (SS)	Canal, downstream tdepth > 1M DCS > 1M
P22550-2	0855	1130		
P22548-3	0856	1130/4 RS2 6-13-05	SSAD (RS) sample split	Canal, downstream tdepth > 1M DCS > 1M
P22548-4	0857	1208	SSAD (RS) sample split	Canal, downstream tdepth > 1M DCS > 1M
P22548-5	0910	1222	Lot 3 TPO4, CR, 500 only	Grass, spikerush tdepth = .17M DCS = .21M

Read and Understood By

*Robert W. Smith*  
Signed

6-13-05  
Date

*Serena J. Kincaid*  
Signed

6-13-05  
Date

Continued on Page 7



Sample #	Collect/Process time	Site	Description + Comments
P22548-6	0922/1236	LOX 5 TOOTH, CH. STU only	Sawgrass, Lily pads, bladderwort light brown, + depth = .18 m medium FLOCC DCS = .21 m
P22548-7	0931/1233	LOX 10 sample (SS)	spikerush, Lily pads, <del>SAWGRASS</del> <sup>RS2</sup> Sawgrass + depth = .24 m light brown, DCS = .26 m light FLOCC
P22550-3	0931/1233		
P22548-8	0940/1251	LOX 9 sample (SS)	light brown, Beakrush, Sawgrass medium FLOCC + depth = .22 m DCS = .27 m
P22550-4	0940/1251		
P22548-9	<del>0913</del> <sup>RS2</sup> 0951/1300 6.13.05	LOX 8 sample	medium brown, Sawgrass, lily pads + depth = .32 m medium FLOCC DCS = .34 m
P22548-10	1000/1321	LOX 7 sample (SS)	dark brown, heavy FLOCC Sawgrass, Tree Island + depth = .33 .36 m DCS = .34 .37 m <sup>RS2</sup> 6.13.05
P22550-5	1000/1321		
P22548-11	1013/1331	LOX 4 sample	dark brown, Rush, Melaleuca medium FLOCC + depth = .32 m + DCS = .36 m
P22548-12	1350	LOX 4 (FCEB)	DI → Faucet → bucket → springe + filter as needed → acidify as needed → sample bottle

Samples acidified to pH < 2.0 as needed  
 50% H<sub>2</sub>SO<sub>4</sub> } 5 drops, 60 ml  
 50% HNO<sub>3</sub> } 12 drops, 250 ml

Continued on Page —

Read and Understood By

Robert V. Smith  
Signed

6.13.05  
Date

Genevieve Reiter  
Signed

6.13.05  
Date

Weather: PARTLY cloudy, very warm Pilot: Terry Jones  
 Duties: RS2 - notebook, sample processing; SR2 - sample collection + processing  
 Method: Two 2-liter bottles used for sample collection; Sites accessed by float helicopter and samples processed at STEES Rd. lab. P22549  
 Sample submitted to SPWD for analysis.

"FLOCC" = suspended solids RS2 7/12/05  
 +depth = water column depth; DCS = water column depth + detrital layer

Equipment used: Trays, processing buckets, syringes, filters, deionized water

Sample #	Collect	Process Time	Site	Description + Comments
P22549-2	0851/1115		Lox 6 sample	dark brown, <sup>Spikerush,</sup> Lily pads, Sawgrass medium FLOCC +depth = .32 m DCS = .36 m
P22549-5	0901/1133		Lox 11 sample	medium brown, <sup>Lily pads, Tree Island</sup> heavy FLOCC +depth = .41 m DCS = .43 m
P22549-6	0911/1145		Lox 13 sample	medium brown, <sup>Lily pads, bladderwort</sup> medium FLOCC +depth = .41 m DCS = .45 m
P22549-7	0920/1201		Lox 14 sample	medium brown, <sup>Lily pads, Sawgrass</sup> medium FLOCC +depth = .51 m DCS = .54 m
P22549-8	0928/1213		Lox 16 sample	dark brown, <sup>Lily pads, bladderwort</sup> very heavy FLOCC +depth = .53 m DCS = .63 m
P22549-9	0938/1228		Lox 15 sample off float	light brown, <sup>Lily pads, Sawgrass</sup> light FLOCC +depth = .66 m DCS = .72 m

Continued on Page 11

Read and Understood By

Robert W. Smith  
Signed

6.14.05  
Date

Severin Rinker  
Signed

6.14.05  
Date

Sample #	Collect/Process time	Site	Description + Comments
P22549-10	0947/1245	Lox 12 Sample off float	Light brown, Citypeds, Sawgrass NO FLOCC + depth = .77 m DCS = .80 m Staff gauge = 16.45
P22549-11	1300	Lox 12 (FCEB)	DI → Faucet → bucket → Syringe + filter as needed → acidify as needed → sample bottles

samples acidified as needed to pH < 2.0

50% H<sub>2</sub>SO<sub>4</sub>

50% HNO<sub>3</sub>

5 drops, 60 ml

12 drops, 250 ml

SR2  
Bucket: ELC3  
TRAY: ENR5

RS2  
STAI  
STAI6

NO entries

RS2 6.14.05

Continued on Page

Read and Understood By

Robert V. Smith  
Signed

6.14.05  
Date

Sandra Ruiker  
Signed

6.14.05  
Date