

FIELD PARAMETERS DATA SHEET

SURVEY/PROJECT: CANALS

SAMPLERS: NAPP1 / WATSON

METER #: BIO-Y51

SONDE #:

STA #	STATION DESCRIPTION	Parameter: Units: Code:	DATE YYMMDD 73672	TIME HHMM 1217	SAMPLE DEPTH METER 68	WATER TEMP °C 10	COND US/cm 94	pH su 400	DO SAT % 301	DO mg/L 299	SAL ppt 480	TURB NTU 82078	SECCHI DEPTH METER 198	RPWS FEET 72109	GAGE HEIGHT FEET 65
7	21FLSFWM BC17		2012 04 23		0.2	24.77	455	7.29	60.1	4.94	0.22	—	1.08		
C					1.2	24.46	455	7.25	51.1	4.24	0.22				
T	Bio Response (Fish, Mussels, Birds, etc)? GATORS														
M	L ARCADE WITH BASS														
T	OSCAR														
	TILAPIA														
	6-9 R														
LAT: 25.87678			LONG: -81.22791			COUNTY: Collier			WATERBODY CLASS: II			TOTAL DEPTH: 3.5 ft.			
EST. WIDTH (FEET): 11			EST. AREA (FEET ²):			DIRECTION OF CANAL FLOW: NONE			EST. VELOCITY (FEET/S): 0			WEATHER:			
LOCATION ON CANAL: EAST			WEST			CENTER									
ADDITIONAL NOTES:															

STA #	STATION DESCRIPTION	Parameter: Units: Code:	DATE YYMMDD 73672	TIME HHMM 1217	SAMPLE DEPTH METER 68	WATER TEMP °C 10	COND US/cm 94	pH su 400	DO SAT % 301	DO mg/L 299	SAL ppt 480	TURB NTU 82078	SECCHI DEPTH METER 198	RPWS FEET 72109	GAGE HEIGHT FEET 65
7	21FLSFWM BC16		2012 04 23		0.2	24.11	389	7.21	57.4	4.74	0.19		1.08		
B					1.0	23.64	407	6.95	15.0	1.37	0.19				
T	Bio Response (Fish, Mussels, Birds, etc)? MINNOWS														
M	GAR														
T															
LAT: 25.88734			LONG: -81.26131			COUNTY: Collier			WATERBODY CLASS: III			TOTAL DEPTH: 3.6 ft.			
EST. WIDTH (FEET): 11			EST. AREA (FEET ²):			DIRECTION OF CANAL FLOW: SLIGHT WEST			EST. VELOCITY (FEET/S): 0.1			WEATHER: WINDY			
LOCATION ON CANAL: EAST			WEST			CENTER									
ADDITIONAL NOTES:															

SAMPLER SIGNATURE: Albert J. Watson

FIELD PARAMETERS DATA SHEET

SURVEY/PROJECT:						SAMPLERS:							METER #:								SONDE #:		
STA #	STATION DESCRIPTION	Parameter: Units: Code:	DATE YYMMDD	TIME HHMM	SAMPLE DEPTH METER	WATER TEMP °C	COND uS/cm	pH su	DO SAT %	DO mg/L	SAL ppt	TURB NTU	SECCHI DEPTH METER	RPWS FEET	GAGE HEIGHT FEET								
			73672		68	10	94	400	301	299	480	82078	198	72109	65								
	Bio Response (Fish, Mussels, Birds, etc)?																						
LAT:	LONG:	COUNTY:				WATERBODY CLASS:						TOTAL DEPTH:											
EST. WIDTH (FEET):			EST. AREA (FEET ²):			EST. VELOCITY (FEET/S):																	
LOCATION ON CANAL: EAST CENTER WEST			DIRECTION OF CANAL FLOW:			WEATHER:																	
ADDITIONAL NOTES:																							
STA #	STATION DESCRIPTION	DATE	TIME	SAMPLE DEPTH	WATER TEMP	COND	pH	DO SAT	DO	SAL	TURB	SECCHI DEPTH	RPWS	GAGE HEIGHT									
	Bio Response (Fish, Mussels, Birds, etc)?																						
LAT:	LONG:	COUNTY:				WATERBODY CLASS:						TOTAL DEPTH:											
EST. WIDTH (FEET):			EST. AREA (FEET ²):			EST. VELOCITY (FEET/S):																	
LOCATION ON CANAL: EAST CENTER WEST			DIRECTION OF CANAL FLOW:			WEATHER:																	
ADDITIONAL NOTES:																							
SAMPLER SIGNATURE:																							

FDEP South District

PO Box 2549

Fort Myers, Florida 33902

(239)-344-5600

Revised June 16, 2011

SAMPLING DATE: 4-23-12RQ#: 2012-04-23-45B: C: F: SIM:

RQ#:

B: C: F: SIM:Project ID (circle one) TMDL PRAIRIE LAKES STREAM Other Canal Study

Sampled by {Team Names} and Initials

ASSENT WATSON agwCHARIS NAPP CN

Report Prepared by

Sample Depth (ft.) 0.5

Collection Method (circle one)

Grab Composite

Composite Date/Time

Start _____ Finish _____

Preservation Check (see back also)

Preservative in bottles

[Y/N]

Initials

Ice

Nutrients - 1 mL 1:1 H₂SO₄ per 500 mLMetals - 1 mL 1:1 HNO₃ per 500 mLPO₄ - Filter

Other _____

Field Measurement Instruments ID:

YSI ID _____ Date/Time/Initial _____

Bio _____ Calibrated 04/23/12 1703 CNBio _____ Cal. Check 04/23/12 1547 CN

_____ Calibrated _____

_____ Cal. Check _____

Sampling device: (circle) Container Bucket Van Dorn Pump Dipper Other (Specify in Remarks) Pool PoleEquipment Construction: (Circle) Plastic Glass Other (Specify in Remarks) Aluminum

Boat: (circle) Motor Paddles/Oars Trolling Motor Other (Specify in Remarks)

Remarks:

Value Qualifiers:

J - Estimated Value

K - Actual value is known to be less than value given

R - Significant rain in the past 48 hrs (excess of 1/2" within the past 48 hrs.)

D - Measurement was made in the field

A - Value reported is the mean of two or more determinations

L - Actual value is known to be greater

Revised June 16, 2011



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SAMPLING DATE: 4-23-12

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WBID# RQ#	Field ID Location/Name	PARAMETER	DATE / TIME	ANALYST (Initials)	TEMP EPA170.1	DO SM4500.0G	COND EPA120.1	PH EPA150.1	TDS EPA120.1	Secchi DEPSOP001/0	Matrix
STORET #	Collection date	UNIT	dd/mm/yy hr:min		°C	mg/L	µS/cm	su	mg/L	meter	Fresh/Salt
		STORET #	23/04/12 1112	ASW	22.89	22.8	645	6.49	—	1080	FR
STORET: 21FLSFWMGATOR Date: 04/23/12											
Field Conditions:											
File			23/04/12	ASW	24.86	7.84	367	7.50	—	1080	FR
Lo	B042312-4		(151)			94.1%				0.3 m	
St	Site #7A TMT										
Co	STORET: 21FLSFWMONROE Date: 04/23/12										
Field Conditions:											
Field ID:			23/04/12	ASW	24.77	4.94	384	7.28	—	1080	FR
Location	B042312-3		1217			60.1	455			1.2 m	
STORET	Site #7C TMT					57.4%					
Collectic	STORET: 21FLSFWMBC17 Date: 04/23/12										
Field Conditions:											
Field I			23/04/12	ASW	24.11	4.74	389	7.21	—	1080	FR
Locati	B042312-2		1234			57.4%				1.0 m	
STOR	Site #7B TMT										
Collec	STORET: 21FLSFWMBC16 Date: 04/23/12										
Field Conditions:											
Comments:											

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SAMPLING DATE: 4-23-12

RQ#: 2012-04-23-45

RQ#:

B: C: F: SIM:

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Project ID (circle one) TMDL PRAIRIE LAKES STREAM Other Canal Study

Sampled by {Team Names} and Initials

ALBERT WATSON AW

CHARIS NAPP CN

Report Prepared by

Sample Depth (ft.) 0.5

Collection Method (circle one)

Grab Composite

Composite Date/Time

Start Finish

Preservation Check (see back also)

Preservative in bottles

[Y/N] Initials

Y AW

Y AW

Y AW

Y AW

Y AW

Ice

Nutrients - 1 mL 1:1 H₂SO₄ per 500 mL

Metals - 1 mL 1:1 HNO₃ per 500 mL

PO4 - Filter

Other

Field Measurement Instruments ID:

YSI ID B10 Date/Time/Initial 04/23/12 0703 CN

Calibrated B10 Cal. Check 04/23/12 1547 CN

Calibrated

Cal. Check

Sampling device: (circle) Container Bucket Van Dorn Pump Dipper Other (Specify in Remarks) Pool Pole

Equipment Construction: (Circle) Plastic Glass Other (Specify in Remarks) Aluminum

Boat: (circle) Motor Paddles/Oars Trolling Motor Other (Specify in Remarks)

Remarks:

Value Qualifiers:

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4-23-12

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Calibration Log - Instrument Number B10Boldly x this
box if there is
qualified data
on this page.Date: 4/23/12Calibration time 703By: Christopher Nappi
Print Name**Temperature / monthly**Date of last temperature verification 2/9/12

The following parameters are done on the basis of initial calibration daily with post sampling verification daily.

Dissolved Oxygen

In calibrate mode:

Initial Reading: 7.87 mg/L @ Temp 24.54 C %DO 94.4Calibrated Reading 8.33 mg/L @ Temp 24.50 C %DO 100.0

In Run Mode

Initial Verification 8.33 mg/L @ Temp 24.47 C %DO 99.9(P) F
(P) F
(P) F**Sp. Conductance**

In calibrate mode

Calibration

In Run Mode

Initial Verification

Standard log ref. # Temp Initial Reading Calibrated Reading

5000 66 26.90 4966 50005000 66 26.67 4999(P) F
(P) F**PH**

Standard

In calibrate mode

7.00 SU

4.00 SU

10.00 SU

In Run Mode

Initial Verification

log ref # Initial Reading Temp Calibrated Reading Temp.

48 7.42 26.67 C 7.00 26.63 C53 3.87 26.78 C 4.00 26.63 C46 9.71 25.88 C 9.95 25.84 C(P) F
(P) F
(P) Fstandard log ref # actual reading
10.00 SU 46 9.95 SU 25.80 C

(P) F

Post Sampling CheckDate: 4/23/12 Time: 1547By: Christopher Nappi
Print Name**Dissolved Oxygen**8.33 mg/L @ Temp 26.12 C %DO 103.0

(P) F

Note: For post sampling check of Conductivity and pH use a standard that brackets measured results for the days sampling.

Specific Cond.

In Run Mode

Standard log ref. # Reading

50000 82 49091

(P) F

PH

In Run Mode

Post Sample 4.00 SU

bracketing standard log ref. # Reading Temperature

53 3.93 SU 25.09 C

(P) F

Date of last monthly maintenance 4/10/12

NOTES:

Acceptance criteria (DO ± 0.3 mg/L) (sp. Conductance $\pm 5\%$) (pH ± 0.2 SU)

Tamiami Canal Criteria 4-23-12

Biology Sampling Checklist

Have Don't
Need

→ ☒ ☐
→ ☒ ☐
☒ ☐

Camera

Secchi Disk

Data Sheets & Pen

__Phys-Chem __Habitat Sketch __Habitat Rating __Periphyton Survey CANAL SITES
__Stream Veg. Survey Cent. Lab Submittal District Wat. Qual. Sheet

YSI/Sonde # B10

Boots/Waders

Measuring Tape

Flags

Nets & Brushes

Periphyton Kit

S.O.P.s

Chemistry Bottles

Water Sampling Bucket

Densimeter

GPS/Maps

Binoculars

Wide Mouths

→ Cooler w/ ice

Wash bottle

Pick Pans

Table

Qualitative Gear (Vials, Forceps, etc.)

Ponar or Ekman

Sieve Box or Bucket

Rose Bengal/ Formalin

☒ Sunscreen/ Bug Repellant

☐ Oars & Oarlocks

☐ Depth sounder

☐ Push Pole

☐ Vegetation Transect Pole

Have Don't
Need

☐ ☒ Frotus

☒ ☐ Plant guides

☐ ☒ Plant Bags

☐ ☒ Seagrass Square

☐ Sign Out/Float Plan

☒ ☐ Tools (list)

POOL POLE

ROPE

PULLEY

☒ ☐ PO₄ Filter & Pump

☐ ☒ PFDs & Cushions

Date of Request: 20-APR-2012
 Created By: BURGER_C On: 20-APR-2012
 Modified By: BURGER_C On: 20-APR-2012
 Customer: WQ-ASSESS
 Project: TMDL
 Division: DEP Southeast District
 District:
 Sampling Event: C-18 Loxahatchee Basin

Send Coolers To:

Phone: 561-682-2664
 Florida Department of Environmental Protection
 2295 Victoria Avenue, Suite 364
 Ft. Myers, FL 33901
 Attn: Erin Rasnake

Program Module Number: 1506
 Priority: 3
 Event Status: P
 Criminal Investigation: NO
 Chemistry Request Reviewed By:
 Biology Request Reviewed By:
 Sampling Kit Required: NO Ship on:
 Sampling Kit Shipped:
 Sampling Kit Packed By:
 Date to Receive Samples: 23-APR-2012
 Received By:

Send Final Report To:

DEAR, FL DEP
 2600 Blair Stone Rd.
 Tallahassee, FL 32399-2400
 Attn: Dr. Nathan Bailey

Report Type: Final Only
 FTP Data: NO
 QC Report: YES
 Date Log: NO
 Authorization Log: NO

Comments:

Suite A (Water) With 7 Samples:

Bottle Type:	Number of Bottles:	Preserved With:
BOD-UNIN Biochemical Oxygen Demand-5 Day	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
CHL-CORR-W Chlorophyll-a, Corrected Phaeophytin-a	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a (corrected for phaeophytin) and phaeophytin by spectrophotometry
TURBIDITY Turbidity	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-ALK Alkalinity	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
W-CL-IC Chloride	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR Color (true)	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm or Apparent Color
W-DOC Organic Carbon	Template: DEFAULT	(SM 5310 B-00) Dissolved Nonpurgeable Organic Carbon in filtered, aqueous matrices
W-NH3 Ammonia-N	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3 NO2NO3-N	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-PO4-F O-Phosphate-P	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L
W-S-A-TP Total-P	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN Kjeldahl Nitrogen	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC Organic Carbon	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices

Suite A (Water) With 7 Samples:

Bottle Type:	Number of Bottles:	Preserved With:
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
TSS		