

Glencoe Ditches, Sand Creek, Unnamed Drain

Central Laboratory Submittal Form

last revised Apr 7, 2016

Customer: CEN-DIST

Requester: Michael Linger

Field Report Prepared By:

Project ID: SMP

Collected By:

Sampling Agency:

Location Unnamed Drain @ Halifax Dr	G5CE0062 Field ID STORET 27010216	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 20161003 Time 1230 Eastern	Composite end Date Time	Bottle Group(s) (See pg 2)
Field ID RQ-2016-08-22-33 Date: 20161003 Time: 1230		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 4.74 mg/L 57.5 % sat	Total Res. Chlorine (mg/L)	A
STORET Date: 20161003 Time: 1230		Temp (C) 25.1	pH 7.60	Sample Depth 0.15	
Latitude		Salinity (ppt) 0.20	Comments		
Location Glencoe Ditch at Turnbull Bay Road	G5CE0064 Field ID STORET 27010541	☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Composite end Date Time	Bottle Group(s)
Field ID RQ-2016-08-22-33 Date: Time:		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine (mg/L)	
STORET Date: Time:		Temp (C)	pH	Sample Depth	
Latitude		Salinity (ppt)	Comments		
Location Sand Creek at CR 415	G5CE0063 Field ID STORET 27010538	☐ Comp ☒ Grab	Collection (comp begin or grab) Date 20161003 Time 1215 Eastern	Composite end Date Time	Bottle Group(s)
Field ID RQ-2016-08-22-33 Date: 20161003 Time: 1215		Matrix (type, e.g., Salt, Fresh, etc) Fresh	Diss. Oxygen 5.27 mg/L 63.0 % sat	Total Res. Chlorine (mg/L)	A
STORET Date: 20161003 Time: 1215		Temp (C) 24.4	pH 7.55	Sample Depth 0.8	
Latitude		Salinity (ppt) 0.16	Comments		
Location		☐ Comp ☐ Grab	Collection (comp begin or grab) Date Time	Composite end Date Time	Bottle Group(s)
Field ID		Matrix (type, e.g., Salt, Fresh, etc)	Diss. Oxygen	Total Res. Chlorine (mg/L)	
STORET #		Temp (C)	pH	Sample Depth	
Latitude		Salinity (ppt)	Comments		

Relinquished By Rachelle Haddley	Date/Time 2016 10/03	Shipping Method FED EX	Number of Coolers Shipped: 1	Received By: SK	Date/Time 10-4-16/10:10
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Group: A	Bottle Type:	P-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
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ALKALINITY
TURBIDITY
W-CL-IC
W-COLOR
W-F
W-SO4-IC
W-TDS
W-TSS

Group: A	Bottle Type:	BP-1L	# of Bottles: 3	Preservative:	ICE	Enter Number of Bottles Sent to Lab	<u>2</u>
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CHLSUITE-W

Group: A	Bottle Type:	P-500ML	# of Bottles: 3	Preservative: ICE And H2SO4	Enter Number of Bottles Sent to Lab	<u>2</u>
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W-NH3
W-NO2NO3
W-S-A-TP
W-TKN
W-TOC

Group: A	Bottle Type:	P-125ML	# of Bottles: 3	Preservative:	ICE-FLTR	Enter Number of Bottles Sent to Lab	<u>2</u>
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W-PO4-F



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

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Data Qualified?

Yes / No

STORET Station Name: Sand Creek at CR 415

Date: 10/03/2016

(mm/dd/yyyy)

STORET Station ID: 27010538

WBID: 2675

Latitude: 29.0728611

(Decimal Degrees)

County: Volusia RQ - 2016-08-22-33

ORG ID: 21FLCEN

Longitude: -81.0681417

(Decimal Degrees)

Receiving Body of Water: _____

Field ID: G5CE0063

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>Rachelle Haddle</u>						
<u>Alyse Howell</u>						

Sampling Equipment	
☒ Sample Container	☐ Van Dorn ☐ Pole
☐ Carboy	☐ Syringe
☐ Dipper	☐ Other _____
Equipment ID _____	

Collection Method	
☒ Wading	☐ Via Boat
☐ From Shore	☐ Canoe/Kayak
☐ Other (note below)	☐ Electric Motor
	☐ Gasoline Motor

Water Level: Dry / Low / <u>Normal</u> / High / Flooded						Matrix: <u>Fresh</u> / Marine / DI					
Meter ID# <u>VSI 1009</u>			Photos: Yes / <u>No</u>			Tide Falling: Yes / No / <u>NA</u>					
Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)	
EST	<u>1215</u>	<u>0.8</u>	<u>0.15</u>	<u>5.27</u>	<u>63.0</u>	<u>7.55</u>	<u>0.16</u>	<u>0.15</u>	<u>339.6</u>	<u>24.4</u>	
CEN											

Biological Samples Collected: None HA SCI LVS RPS LVI Other _____

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H2SO4	<u>6209120</u>	<u>7/27/17</u>	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO3			☐ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
BOD	☐ BOD-UNIN	☐ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Microbiology	☐ E Coli ☐ F Coli ☐ Enteroc ☐ QPCR	☐ Ice			
Periphyton	☐ ALGAE-ID	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R	☐ Ice			
	☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Other			

Place Preservative Sticker(s) Here
(If Available)

Notes: Flow for rivers/streams: _____ m/s

Sand Creek at CR 415 **G5CE0063**

RQ-2016-08-22-33

Date: 10/3/2016 Time: 1215

Field ID ↑

STORET ↓

27010538

Signature: Rachelle Haddle

Date: 10/03/2016

Field Parameters Entered into LIMS: _____ T.Sheet Updated: ☐ Field Parameters QC in LIMS: _____ T.Sheet Updated: ☐

(Initials/Date)

(Initials/Date)

Date Migrated to STORET: _____ T.Sheet Updated: ☐ Field Sheets Scanned/Saved: _____ T.Sheet Updated: ☐

(Initials/Date)

(Initials/Date)



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

June 2016

PAGE ____ OF ____

Data Qualified?

Yes / No

STORET Station Name: Unnamed Drain @ Halifax Dr Date: 10/03/2016
(mm/dd/yyyy)

STORET Station ID: 27010216 WBID: 2673 Latitude: 29.104413 29.0839833
(Decimal Degrees)

County: Volusia RQ - 2016-08-22-33 ORG ID: 21FLCEN Longitude: -81.07075552 -81.0646
(Decimal Degrees) 361

Receiving Body of Water: _____ Field ID: G5CE0062

Sampling Team Members		WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
<u>Rachelle Huddle</u>						
<u>Alyse Howell</u>						

Sampling Equipment		
☒ Sample Container	☐ Van Dorn	☐ Pole
☐ Carboy	☐ Syringe	
☐ Dipper	☐ Other	
Equipment ID _____		

Collection Method	
☒ Wading	☐ Via Boat
☐ From Shore	☐ Canoe/Kayak
☐ Other (note below)	☐ Electric Motor
	☐ Gasoline Motor

Water Level: Dry / Low / Normal / High / Flooded Matrix: Fresh / Marine / DI
Meter ID# YSI 1009 Photos: Yes / No Tide Falling: Yes / No / NA

Time Zone	Time	Sample Depth (m)	Total Depth (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (ppt)	Secchi Disk (m)	Sp COND (µmhos/cm)	Temp. (C°)
EST	1230	0.15	0.3	4.74	57.5	7.60	0.20	0.3	409.6	25.1
CEN										

Biological Samples Collected: None HA SCI LVS RPS LVI Other _____

Parameter Suite	Parameter Methods	Preservation	Acid Lot#	Expiration	pH Check
Preserved Nutrients	☒ W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	☒ Ice ☒ H ₂ SO ₄	6209/20	7/27/17	☒ <2
Metals	☐ W-ICPMS ☐ W-ICP	☐ Ice ☐ HNO ₃			☐ <2
Filtered Nutrients	☒ W-PO4-F ☐ Field Filtered 0.45 µm Filter	☒ Ice			
Chlorophyll	☒ CHLSUITE-W	☒ Ice			
BOD	☐ BOD-UNIN	☐ Ice			
Physical/Aggregate (Fresh)	☒ Alkalinity / W-F / W-TSS / TURBIDITY / W-Cl-IC / W-COLOR / W-SO4-IC / W-TDS	☒ Ice			
Physical/Aggregate (Marine)	☐ Alkalinity / W-F / W-TSS / TURBIDITY	☐ Ice			
Macroinvertebrates	☐ MI-FW-QLDC	☐ Formalin			
Microbiology	☐ E Coli ☐ F Coli ☐ Entero ☐ QPCR	☐ Ice			
Periphyton	☐ ALGAE-ID	☐ Ice			
Pesticides	☐ W-PSNP-TQ ☐ W-AHERB-AA ☐ W-PYR-AA-R ☐ W-PC-AA-SF ☐ W-UHERB-AA ☐ W-GLYPH	☐ Ice ☐ Other			

Place Preservative Sticker(s) Here
(If Available)

Notes: Flow for rivers/streams: _____ m/s

Unnamed Drain @ Halifax Dr
G5CE0062
Field ID
RQ-2016-08-22-33
Date: 10/3/2016 Time: 1230
STORET
27010216

Signature: Rachelle Huddle Date: 10/03/2016

Field Parameters Entered into LIMS: _____ T.Sheet Updated: ☐ Field Parameters QC in LIMS: _____ T.Sheet Updated: ☐
(Initials/Date) (Initials/Date)
Date Migrated to STORET: _____ T.Sheet Updated: ☐ Field Sheets Scanned/Saved: _____ T.Sheet Updated: ☐
(Initials/Date) (Initials/Date)

Date of Request: 04-AUG-2016
 Created By: LINGER_M On: 04-AUG-2016
 Modified By: MATTHEWS_D On: 09-AUG-2016
 Customer: CEN-DIST
 Project: SMP
 Division:
 District: Central District
 Sampling Event: Glencoe Ditches, Sand Creek, Unnamed Drain

Send Coolers To:

Phone: 407-897-4180
 FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Mike Linger

Program Module Number: 1306
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 05-AUG-2016
 Biology Request Reviewed By: MATTHEWS_D On: 09-AUG-2016
 Sampling Kit Required: YES Ship on: 15-AUG-2016
 Sampling Kit Shipped: YES On: 12-AUG-2016
 Sampling Kit Packed By: BOWDEN_M
 Preservatives Needed: NO
 Date to Receive Samples: 22-AUG-2016
 Received By:

Send Final Report To:

FL Dept. of Environmental Protection
 3319 Maguire Blvd., Suite 232
 Orlando, FL 32803-3767
 Attn: Mike Linger

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

Comments:

Bottle Group A (Water) With 3 Samples:

Bottle Type: P-1L	Number of Bottles: 3	Preserved With: ICE
ALKALINITY	Template: DEFAULT	(SM 2320 B-97) Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Template: DEFAULT	(EPA 180.1 Rev. 2.0) Turbidity in aqueous matrices
W-CL-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Chloride in aqueous matrices
W-COLOR	Template: DEFAULT	(SM 2120 B) True Color measured at 450 nm
Color (true)		
W-F	Template: DEFAULT	(SM 4500 F-C-97) Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Template: DEFAULT	(EPA 300.0 Rev. 2.1) Sulfate in aqueous matrices
W-TDS	Template: DEFAULT	(SM 2540 C-97) Total Dissolved Solids in aqueous matrices
W-TSS	Template: DEFAULT	(SM 2540 D-97) Total Suspended Solids in aqueous matrices
Bottle Type: BP-1L	Number of Bottles: 3	Preserved With: ICE
CHLSUITE-W	Template: DEFAULT	(SM 10200 H (mod.)) Phytoplankton chlorophyll-a corrected, uncorrected, phaeophytin and ratio by spectrophotometry
Bottle Type: P-500ML	Number of Bottles: 3	Preserved With: ICE And H2SO4
W-NH3	Template: DEFAULT	(EPA 350.1 Rev. 2.0) Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Template: DEFAULT	(EPA 353.2 Rev. 2.0) Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Template: DEFAULT	(EPA 351.2 Rev. 2.0) Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Template: DEFAULT	(SM 5310 B-00) Nonpurgeable Organic Carbon in aqueous matrices
Bottle Type: P-125ML	Number of Bottles: 3	Preserved With: ICE-FLTR
W-PO4-F	Template: DEFAULT	(EPA 365.1 Rev. 2.0) Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Log-in Checklist

RQ- 2016-08-22-33

Shipping Method: Fedex

Date/Time of Receipt: 10/4/16/10:10

Cooler ID	Cooler Temperature*	No. Sample Containers in Cooler	Evidence Tape				Tracking # (fill out only if waybill copy is damaged)
			Present?		*Intact?		
			Yes	No	Yes	No	
Red	-1.4	8		✓			8103 9283 4470

*If the temperature of a cooler is above 6.0 °C (or above 10.0 °C for W-1-4-DIOX), or if Evidence Seal is damaged, identify the containers in the affected cooler(s) on back of this form.

**Note: If "No" is checked in any of the fields below, fill out the back of this form with additional details (Field ID, Test IDs, etc.) and generate an NCR.

**Chain of Custody/ Field Sheet(s) Included? Yes ☒ No ☐

CONTAINER CHECK

**Evidence Tape on Bottles? Yes ☐ No ☒ If yes, is it intact? Yes ☒ No ☐

**Caps on tight? Yes ☒ No ☐ **Containers intact? Yes ☒ No ☐

**Sufficient Sample Volume: Yes ☒ No ☐

CHLORINE CHECK (Blue dot on container)

Check the Box marked "Yes" or "No" for the Presence of Chlorine. If Cl detected, an NCR is required.					
Analysis	Yes	No	Analysis	Yes	No
W-1,4 DIOX			W-PC-AA-SF		
W-AHERB-AA (-AHB-AA-R)			W-PCL-SQ (-R)		
W-BNA (-625, -R)			W-PDQUAT		
W-CARB-AA (-CAB-AA-R)			W-PESTNP-R		
W-ENDO-AA			W-PSCL-TQ		
W-GLYPH			W-PSNP-TQ		
W-NP-AA-SF			W-PST-CL-R		
W-PAH (-R)			W-TR-TQ		
W-PCB-R					

PRESERVATION CHECK (EXCLUDING SAMPLES SENT TO OVERFLOW LABS, "OV-")

**Acid Preserved Samples: pH ≤ 2.0? Yes ☒ No ☐ NA ☐ Init: SK

**W-1-4-DIOX (Green dot on container) preserved to pH < 4.0? Yes ☐ No ☒ NA ☒ Init: SK

Coolers Unpacked/Checked by: SK Date: 10-4-16

NCRs (Y/N)? N

Event ID: CEN-DIST-2016-10-04-01

NCR #

Log-in Checklist

Samples with Incorrect pH Preservation or presence of Chlorine

Field ID	Bottle Test ID(s)	pH / Cl	Action Taken

Samples in Coolers with Incorrect Preservation or Damaged Evidence Tape

Cooler ID	Field ID	Bottle Test ID(s)

Bottles Not Intact

Field ID	Bottle Test ID(s)	Loose Cap	Damaged Cap		Damaged Container		Evidence Tape Not Intact
			CK	BR	CK	BR	

Samples with Insufficient Volume for Analyses

Field ID	Bottle Test ID(s)	Action Taken

ENCORE SAMPLES

S-VOC-MS samples in Encores must be frozen within 48 hours of collection.

Were Encore samples received? Yes _____ No ✓

Date and time placed in freezer _____

Were all samples placed in freezer within 48 hours of collection? Yes _____ No _____

If no, were samples shipped on dry ice? Yes _____ No _____

FOR CLEAN LAB USE ONLY – Total Mercury Preservation Check (W-HG-AF; W-HG-AF-F):

Samples preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

Additional Comments: