

Request Number: **RQ-2016-01-25-54**

WBID:3293, 3287, 3286B, 3283, 3277C, 3276

Florida Department of Environmental Protection

TMDL test ver. MkIh

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Central Laboratory Sample Submittal Form

last revised Dec. 8, 2014

Customer: SE-DIST

Requester: Olga Sanchez

Field Report Prepared By: *Mad Serr*

Project ID: SMP

Collected By: *Mad Serr/Rachel Benth*

Sampling Agency: SE-DEP-FTP

Location North New River Canal (NNR-3 SF Canal Study/122 Broward) 3277C 26.09935784 -80.25006745 C-kit and Pesticides	G4SENNR3 Field ID STORET G4SENNR3	☐ Comp. ☒ Grab	Collection (comp begin or grab) Date <i>2/10/16</i> Time <i>10:30</i>	Eastern Central	Composite end Date Time Total Central	Eastern Central	Bottle Group(s) (See pg. 2 for groups.)
Field ID		Matrix (type, e.g. Salt, Fresh, etc) <i>fresh</i>	Diss. Oxygen <i>5.3</i>	☒ (mg/L) ☐ (%sat.)	Res. Chlorine (mg/L)		
STORET		Temp (C.) <i>18.5</i>	pH <i>7.6</i>	Sample Depth <i>0.3</i>	Sp. Conductance (umho/cm) <i>611</i>		<i>A+C</i>
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <i>0.3</i>	Comments				

Loc Sunny Isles West @ ICW 3226H1 26.926111 -80.149288 D-kit	42009053 Field ID STORET 42009053	☐ Comp. ☒ Grab	Collection (comp begin or grab) Date <i>2/10/16</i> Time <i>12:00</i>	Eastern Central	Composite end Date Time Total Central	Eastern Central	Bottle Group(s)
Field		Matrix (type, e.g. Salt, Fresh, etc) <i>salt</i>	Diss. Oxygen <i>7.9</i>	☒ (mg/L) ☐ (%sat.)	Res. Chlorine (mg/L)		<i>B</i>
STORET		Temp (C.) <i>19.3</i>	pH <i>7.9</i>	Sample Depth <i>0.3</i>	Sp. Conductance (umho/cm) <i>20502</i>		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <i>12.2</i>	Comments				

Loca C-10 CANAL AT STIRLING RD - DANI 3282 26.048094 -80.155422 D-kit	28030569 Field ID STORET 28030569	☐ Comp. ☒ Grab	Collection (comp begin or grab) Date <i>2/10/16</i> Time <i>1330</i>	Eastern Central	Composite end Date Time Total Central	Eastern Central	Bottle Group(s)
Field		Matrix (type, e.g. Salt, Fresh, etc) <i>salt</i>	Diss. Oxygen <i>7.9</i>	☒ (mg/L) ☐ (%sat.)	Res. Chlorine (mg/L)		<i>B</i>
STORET		Temp (C.) <i>20.1</i>	pH <i>7.8</i>	Sample Depth <i>0.3</i>	Sp. Conductance (umho/cm) <i>133400</i>		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <i>7.8</i>	Comments				

Location New River (North Fork) (64 Broward) 3276A 26.12891632 -80.17581452 D-kit	G4SEB064 Field ID STORET G4SEB064	☐ Comp. ☒ Grab	Collection (comp begin or grab) Date <i>2/10/16</i> Time <i>1400</i>	Eastern Central	Composite end Date Time Total Central	Eastern Central	Bottle Group(s)
Field ID		Matrix (type, e.g. Salt, Fresh, etc) <i>fresh</i>	Diss. Oxygen <i>6.3</i>	☒ (mg/L) ☐ (%sat.)	Res. Chlorine (mg/L)		<i>B</i>
STORET		Temp (C.) <i>19.9</i>	pH <i>7.4</i>	Sample Depth <i>0.3</i>	Sp. Conductance (umho/cm) <i>502</i>		
Latitude ☐ dd ☐ dms	Longitude ☐ dd ☐ dms	Salinity (ppt) <i>0.24</i>	Comments				

Relinquished By: <i>Mad</i>	Date/Time: <i>2/10/16 17:00</i>	Shipping Method: <i>fedex</i>	Received By: <i>a</i>	Date/Time: <i>2/11/16 9:25</i>	Relinquished By:	Date/Time:	Received By:	Date/Time:
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Request Number: RQ-2015-2016-208-61

WBID: 05

Florida Department of Environmental Protection

TMDL test ver. Mk1h

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Central Laboratory Sample Submittal Form

last revised Dec. 8, 2014

Customer: SE-DIST

Requester: Olga Sanchez

Field Report Prepared By: *Michael Saul*

Project ID: SMP

Collected By: *Rachel Benton / Michael Saul*

Sampling Agency: SE-DEP-FTP

Location	N FRK NEW-R-NW47 AV FT LAUD. 3276	28030526	☐ Comp. Collection (comp begin or grab)	Eastern	Composite end	Eastern	Bottle
Field ID	26.135507 -80.212524 C-kit		☒ Grab Date <i>2/10/16</i> Time <i>1430</i>	Central	Date	Time Total	Central
STORET	Date: <i>2/10/16</i> Time: <i>1430</i>	Field ID STORET 28030526	Matrix (type, e.g. Salt, Fresh, etc) <i>Fresh</i>	Diss. Oxygen <i>8.8</i>	☒ (mg/L) ☐ (%sat.)	Res. Chlorine (mg/L)	(See pg. 2 for groups.)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C.) <i>18.2</i>	pH <i>7.8</i>	Sample Depth <i>0.3</i>	Sp. Conductance (umho/cm) <i>350</i>
				Salinity (ppt) <i>0.17</i>	Comments		

Location	NForkNewRiver@441 3276	42009012	☐ Comp. Collection (comp begin or grab)	Eastern	Composite end	Eastern	Bottle
Field ID	26.135415 -80.202702 C-kit		☒ Grab Date <i>2/10/16</i> Time <i>1455</i>	Central	Date	Time Total	Central
STORET	Date: <i>2/10/16</i> Time: <i>1455</i>	Field ID STORET 42009012	Matrix (type, e.g. Salt, Fresh, etc) <i>Fresh</i>	Diss. Oxygen <i>7.4</i>	☒ (mg/L) ☐ (%sat.)	Res. Chlorine (mg/L)	(See pg. 2 for groups.)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C.) <i>18.0</i>	pH <i>7.9</i>	Sample Depth <i>0.3</i>	Sp. Conductance (umho/cm) <i>330</i>
				Salinity (ppt) <i>0.16</i>	Comments		

Location			☐ Comp. Collection (comp begin or grab)	Eastern	Composite end	Eastern	Bottle
Field ID			☒ Grab Date	Central	Date	Time Total	Central
STORET no.			Matrix (type, e.g. Salt, Fresh, etc)	Diss. Oxygen	☒ (mg/L) ☐ (%sat.)	Res. Chlorine (mg/L)	(See pg. 2 for groups.)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C.)	pH	Sample Depth	Sp. Conductance (umho/cm)
				Salinity (ppt)	Comments		

Location			☐ Comp. Collection (comp begin or grab)	Eastern	Composite end	Eastern	Bottle
Field ID			☒ Grab Date	Central	Date	Time Total	Central
STORET no.			Matrix (type, e.g. Salt, Fresh, etc)	Diss. Oxygen	☒ (mg/L) ☐ (%sat.)	Res. Chlorine (mg/L)	(See pg. 2 for groups.)
Latitude	☐ dd ☐ dms	Longitude	☐ dd ☐ dms	Temp (C.)	pH	Sample Depth	Sp. Conductance (umho/cm)
				Salinity (ppt)	Comments		

Relinquished By: <i>[Signature]</i>	Date/Time: <i>2/10/16 1:00</i>	Shipping Method: <i>Fedex</i>	Received By: <i>[Signature]</i>	Date/Time: <i>2/11/16 9:25</i>	Relinquished By:	Date/Time:	Received By:	Date/Time:
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Date of Request: 27-JAN-2016
 Created By: SKAGGS_J On: 27-JAN-2016
 Modified By: WATTS_J On: 29-JAN-2016
 Customer: SE-DIST
 Project: SMP
 Division: Division of Environmental Assessment and Restoration
 District: Southeast District
 Sampling Event: SMP_Blue

Send Coolers To:

Phone: (772) 579-3039
 FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Jordan Skaggs

Program Module Number: 1306
 Priority: 3
 Event Status: S
 Criminal Investigation: NO
 Chemistry Request Reviewed By: WATTS_J On: 29-JAN-2016
 Biology Request Reviewed By: SWANSON_C On: 28-JAN-2016
 Sampling Kit Required: YES Ship on: 29-JAN-2016
 Sampling Kit Shipped: YES On: 29-JAN-2016
 Sampling Kit Packed By: SHAIK_A
 Preservatives Needed: NO
 Date to Receive Samples: 08-FEB-2016
 Received By:

Send Final Report To:

FL Dept. of Environmental Protection
 2199 South Rock Road
 Fort Pierce, FL 34945
 Attn: Jordan Skaggs

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

Comments: removed CHL-CORR-W.

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 CaCO ₃ /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-SO ₄ -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: P-1L	Number of Bottles: 3	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited
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: HNO ₃
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
Calcium		
Iron		
Magnesium		
Nickel		
Potassium		
Sodium		
Zinc		
W-ICPMS	Template: PRTY	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
Arsenic		
Cadmium		

Bottle Group A (Water) With 3 Samples:

Bottle Type: P-500ML	Number of Bottles: 3	Preserved With: HNO3
W-ICPMS	Template: PRTY	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

Chromium
Copper
Lead
Silver

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

Bottle Group B (Water) With 3 Samples:

Bottle Type: P-500ML	Number of Bottles: 3	Preserved With: HNO3
W-ICP	Template:	(EPA 200.7 Rev. 4.4) Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects

Chromium
Iron
Zinc

W-ICPMS	Template: PRTY	(EPA 200.8 Rev. 5.4) Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects
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Arsenic
Cadmium
Copper
Lead
Nickel
Silver

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

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-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: P-1L	Number of Bottles: 3	Preserved With: ICE
BOD-UNIN	Template: DEFAULT	(SM 5210 B) BOD, NOT nitrogen-inhibited

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 Group C (Water) With 1 Samples:

Bottle Type: BG-1L	Number of Bottles: 1	Preserved With: ICE
W-AHERB-AA	Template: DEFAULT	(DEP SOP: LC-001-2 (based on USGS O-2060-01)) Chlorinated (phenoxy acid) herbicides in water matrices by HPLC/MS/MS

W-GLYPH	Template: DEFAULT	(DEP SOP: LC-001-2 (based on EPA 8321B)) Glyphosate in water matrices by HPLC/MS/MS
W-UHERB-AA	Template: DEFAULT	(DEP SOP: LC-001-2 (based on USGS O-2060-01)) Urea herbicides and other chemicals in water matrices by HPLC/MS/MS

Bottle Type: BG-1L	Number of Bottles: 4	Preserved With: ICE
W-PSCL-TQ	Template: DEFAULT	(EPA 8270D) Organochlorine pesticides (ultra low level) in water matrices by GC/MS/MS

Bottle Type: BG-1L	Number of Bottles: 4	Preserved With: ICE
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Bottle Group C (Water) With 1 Samples:

Bottle Type: BG-1L

Number of Bottles: 4

Preserved With: ICE

W-PSNP-TQ Template:

(EPA 8270D) Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by
GC/MS/MS

* - The laboratory is not NELAP certified for this analyte/method, or certification is not applicable.

Log-in Checklist

RQ- 2016-02-08-61

Shipping Method: Fedex

Date/Time of Receipt: 2/11/16 9:25

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	0.1	10		✓			7823 5242 8443
Red	0.9	12		✓			7823 5244 2804
Red	2.0	11		✓			7823 5245 7509
Red	2.4	12		✓			7823 5247 1708

*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: cu

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

Coolers Unpacked/Checked by: cu Date: 2/11/16 NCRs (Y/N)? N

Event ID: SF-DIST-2016-02-11-02 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 – Methyl Mercury Preservation Check:

Samples Preserved within 48 hours? Yes _____ No _____

Date and time samples preserved: _____

Additional Comments: