Request Number: RQ-2018-02-12-56

McCoy X4 / Hope / Kasey X2 / Dot X2 / Tilden X4

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Collected By: Lee Boman

Field Report Prepared By: Katie Williams

Sampling Agency: 21FLCEN

Location 1

WIN ID / Field ID →

Field ID: Lake Dot @ Center (2997Q)

WIN/STORET:

G2CE0067

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 2/12/18 Time 937 ☐ Eastern ☐ Central | Composite end Date Time | Bottle Group(s) (See pg 2): C

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen 10.66 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 22.09 | pH 8.57 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 221

Salinity (ppt) 0.10 | Comments

Location 2

WIN ID / Field ID →

Field ID: Lake McCoy @ 220m SW of Center of Southern Lobe (2993C)

WIN/STORET #:

G2CE0144

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 2/12/18 Time 1310 ☐ Eastern ☐ Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen 7.15 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.28 | pH 7.00 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 180

Salinity (ppt) 0.08 | Comments

Location 3

WIN ID / Field ID →

Field ID: Lake McCoy @ 245m NE of Center of Southern Lobe (2993C)

WIN/STORET #:

G2CE0145

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 2/12/18 Time 1315 ☐ Eastern ☐ Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen 7.88 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.69 | pH 7.17 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 179

Salinity (ppt) 0.08 | Comments

Location 4

WIN ID / Field ID →

Field ID: Lake McCoy @ Center of North Lobe (2993C)

WIN/STORET #:

G2CE0171

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 2/12/18 Time 1328 ☐ Eastern ☐ Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh

Diss. Oxygen 7.29 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 23.71 | pH 7.09 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 184

Salinity (ppt) 0.09 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
KWilliams	2/12/18 1600	Fed Ex	4	Tyler R.	02/13/18 @ 9:25

Group: A	Bottle Type:	P-1L	# of Bottles: 9	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	9
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 9	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	9 to Flowers
	CD-FLR-ECQ						
Group: A	Bottle Type:	BP-1L	# of Bottles: 9	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	9
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 9	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab**	9
	W-ICP W-ICPMS						
Group: A	Bottle Type:	P-500ML	# of Bottles: 9	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	9
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 9	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**	9
	W-PO4-F						
Group: B	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	2
	W-AHERB-AA W-GLYPH W-PYR-AA-R W-SUC-AA-R W-UHERB-AA						
Group: B	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	**Enter Number of Bottles Sent to Lab**	1
	W-CARB-AA						
Group: B	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	4

Group: B	Bottle Type: W-CT-CI-R W-PCL-SQ-R	BG-500ML	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
Group: B	Bottle Type: W-PSNP-TQ	BG-1L	# of Bottles: 4	Preservative:	ICE	Enter Number of Bottles Sent to Lab	4
Group: C	Bottle Type: ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS	P-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1 to Flowers
Group: C	Bottle Type: CHLSUITE-W	BP-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	Enter Number of Bottles Sent to Lab	2
Group: C	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 1	Preservative:	ICE	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC	P-500ML	# of Bottles: 1	Preservative:	ICE And H2SO4	Enter Number of Bottles Sent to Lab	1
Group: C	Bottle Type: W-PO4-F	P-125ML	# of Bottles: 1	Preservative:	FILTER-ICE	Enter Number of Bottles Sent to Lab	1

Group: D	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	0
Group: D	Bottle Type: PCR-FILTER	QPCR-P-250ML	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	0
Group: D	Bottle Type: W-AHERB-AA W-SUC-AA-R W-UHERB-AA	BG-1L	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	0
Group: E	Bottle Type: CD-FLR-ECQ	P-250ML-WI-THI	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	0

Request Number: RQ-2018-02-12-56

McCoy X4 / Hope / Kasey X2 / Dot X2 / Tilden X4

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Collected By: Leif Bowman

Field Report Prepared By: Katie Williams

Sampling Agency: DIFCEN

Location

Field ID

WIN/STORET

WIN ID / Field ID →

Lake Tilden @ 140m
NW of Center (2875B)

G1CE0087

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 2/12/18 Time 1128 | Eastern / Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 8.01 ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 22.35 | pH 7.00 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 215

Salinity (ppt) 0.10 | Comments

Location

Field ID

WIN/STORET

WIN ID / Field ID →

Lake Tilden @ 165m
NE of Center (2875B)

G1CE0088

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 2/12/18 Time 1135 | Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.90 ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 22.45 | pH 6.96 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 216

Salinity (ppt) 0.10 | Comments

Location

Field ID

WIN/STORET

WIN ID / Field ID →

Lake Tilden @ 150m
SE of Center (2875B)

G1CE0089

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 2/12/18 Time 1145 | Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.94 ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 22.70 | pH 7.06 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 216

Salinity (ppt) 0.10 | Comments

Location

Field ID

WIN/STORET

WIN ID / Field ID →

Lake Tilden @ 225m
S of Center (2875B)

G1CE0090

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 2/12/18 Time 1155 | Eastern / Central | Composite end Date Time | Bottle Group(s): A

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 7.43 ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L) —

Temp (C) 22.48 | pH 6.90 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 216

Salinity (ppt) 0.10 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
K Williams	2/12/18 1600	FedEx	4	Tyler R.	02/13/18@9:25

Group: A	Bottle Type:	P-1L	# of Bottles: 9	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS					
Group: A	Bottle Type:	P-250ML-WI-THI	# of Bottles: 9	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
	CD-FLR-ECQ					
Group: A	Bottle Type:	BP-1L	# of Bottles: 9	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
	CHLSUITE-W					
Group: A	Bottle Type:	P-500ML	# of Bottles: 9	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab** _____
	W-ICP W-ICPMS					
Group: A	Bottle Type:	P-500ML	# of Bottles: 9	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab** _____
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC					
Group: A	Bottle Type:	P-125ML	# of Bottles: 9	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab** _____
	W-PO4-F					
Group: B	Bottle Type:	BG-1L	# of Bottles: 2	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____
	W-AHERB-AA W-GLYPH W-PYR-AA-R W-SUC-AA-R W-UHERB-AA					
Group: B	Bottle Type:	BG-1L	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	**Enter Number of Bottles Sent to Lab** _____
	W-CARB-AA					
Group: B	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	**Enter Number of Bottles Sent to Lab** _____

Request Number: RQ-2018-02-12-56

McCoy X4 / Hope / Kasey X2 / Dot X2 / Tilden X4

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Customer: CEN-DIST

Project ID: SMP

Requester: Michael Linger

Collected By: Leif Boman

Field Report Prepared By: Katie Williams

Sampling Agency: 2FLCEN

Location: **WIN ID / Field ID →** Lake McCoy @ Center of Southern Lobe (2993C)

G2CE0098

Field ID:

WIN/STORET #:

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 2/12/18 Time 1303 Eastern / Central | Composite end Date Time | Bottle Group(s) (See pg 2): A

Matrix (type, e.g., Salt, Fresh, etc): Salt | Diss. Oxygen 7.47 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L): —

Temp (C) 23.40 | pH 7.06 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 179

Salinity (ppt) 0.08 | Comments:

Location: **WIN ID / Field ID →** Kasey Lake @ Center (3002Q)

G2CE0011

Field ID:

WIN/STORET #:

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☑ Grab | Collection (comp begin or grab) Date 2/12/18 Time 1020 Eastern / Central | Composite end Date Time | Bottle Group(s): A/B

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 9.91 ☑ mg/L ☐ % sat | Total Res. Chlorine (mg/L): —

Temp (C) 22.78 | pH 7.19 | Sample Depth 0.3 ☐ ft ☑ m | Sp. Conductance (umho/cm) 104

Salinity (ppt) 0.05 | Comments:

Location:

Field ID:

WIN/STORET #:

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time Eastern / Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments:

Location:

Field ID:

WIN/STORET #:

Latitude ☐ dd ☐ dms | Longitude ☐ dd ☐ dms

☐ Comp ☐ Grab | Collection (comp begin or grab) Date Time Eastern / Central | Composite end Date Time | Bottle Group(s)

Matrix (type, e.g., Salt, Fresh, etc) | Diss. Oxygen ☐ mg/L ☐ % sat | Total Res. Chlorine (mg/L)

Temp (C) | pH | Sample Depth ☐ ft ☐ m | Sp. Conductance (umho/cm)

Salinity (ppt) | Comments:

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
KWilliams	2/12/18 1600	FedEx	4	Tyler R.	02/13/18 @ 9:25

Group:	Bottle Type:	# of Bottles:	Preservative:	Enter Number of Bottles Sent to Lab
A	P-1L	9	ICE	
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS			
A	P-250ML-WI-THI	9	ICE	
	CD-FLR-ECQ			
A	BP-1L	9	ICE	
	CHLSUITE-W			
A	P-500ML	9	HNO3	
	W-ICP W-ICPMS			
A	P-500ML	9	ICE And H2SO4	
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC			
A	P-125ML	9	FILTER-ICE	
	W-PO4-F			
B	BG-1L	2	ICE	
	W-AHERB-AA W-GLYPH W-PYR-AA-R W-SUC-AA-R W-UHERB-AA			
B	BG-1L	1	CH2ClCOOH Pre-Preserved	
	W-CARB-AA			
B	BG-500ML	4	ICE	

CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803
Project Manager: Natalie Ayala / Michael Linger / Kalina Warren
E-Mail: Michael.Linger@dep.state.fl.us
Telephone Number: (407) 897-4100

Project Name: SMP
Project Number: RQ- 2018-02-12-56
Site Location: Tilden, McCoy Dot, Kasey

Contract/PO # Flowers Lab - B16975
Sampler Names: Leif Boman, Katie Williams
Signature: K Williams

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative: ICE	HCL	HNO3	NONE	Matrix: Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coli (ECQ)	Analyze For: Enterococci (ENQ)	Fecal Coliform (FC)	
G2CE0171		2/12/18	1338	1	X		X							X				
G2CE0145		2/12/18	1315	1	X		X							X				
G2CE0098		2/12/18	1303	1	X		X							X				
G2CE0144		2/12/18	1310	1	X		X							X				
G2CE0067		2/12/18	937	1	X		X							X				
G1CE0090		2/12/18	1155	1	X		X							X				
G2CE0011		2/12/18	1020	1	X		X							X				
G1CE0089		2/12/18	1145	1	X		X							X				

Special Instructions:
Samples are ambient water and not suspected to contain chlorine

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
K Williams	2/12/18	1442	MMR / FCL	2/12	14:43	Temp Upon Receipt: 0°C
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact? Y N

CONTRACT LAB - CHAIN OF CUSTODY

Client Name: Department of Environmental Protection
Address: 3319 Maguire Blvd Suite 232, Orlando, FL 32803
Project Manager: Natalie Ayala / Michael Linger / Kalina Warren
E-Mail: Michael.Linger@dep.state.fl.us
Telephone Number: (407) 897-4100

Project Name: SMP
Project Number: RQ- 2018-02 -17-SLp
Site Location: Tilden, McCoy, Dot, Kasey

Contract/PO # Flowers Lab - B16975 **Sampler Names:** Katie Williams, Leif Boman **Signature:** KWilliams

FIELD ID	Lab No. (Lab Use Only)	Date	Time Sampled	No. of Containers	Grab	Composite	Preservative: ICE	HCL	HNO3	NONE	Matrix: Groundwater	Wastewater	Drinking Water	Surface Water	Escherichia Coli (ECQ)	Analyze For: Enterococci (ENQ)	Fecal Coliform (FC)	
GLE0088		2/12/18	1135	1	X		X							X	X			
GLE0087		2/12/18	1128	1	X		X							X	X			

Special Instructions:
Samples are ambient water and not suspected to contain chlorine

Relinquished by:	Date	Time	Received by:	Date	Time	Comments
KWilliams	2/12/18	1442	MM / FCL	2/12	14:43	Temp Upon Receipt :
Relinquished by:	Date	Time	Received by:	Date	Time	Sample Containers Intact? Y N