FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
STRATEGIC MONITORING PROGRAM FIELD SHEET

January 2018

Data Qualified? Yes / No

WIN Station Name: Big Branch 50 meters upstream of CR 67 **Date:** 3/22/2018 (mm/dd/yyyy)

WIN/ Field ID: G1WA0001 **WBID:** 1049 **Latitude:** 30.3110 (Decimal Degrees)

County: Liberty **ORG ID:** 21FLWQA **Longitude:** -84.7651 (Decimal Degrees)

Receiving Body of Water: Ochlockonee River **RQ-2018-** 03-19-26

Sampling Team Members	WQ Measurements	Sample Collection	Documentation	Preservation	Preservation Check
Curtis Musson					
~~Jason Storrs~~ Blake Spencer					

Sampling Equipment
- [x] Sample Container [ ] Van Dorn [ ] Pole
- [ ] Carboy [x] Syringe
- [ ] Dipper [ ] Other
- Depth Measured with: Meter Stick
- Equipment ID:

Collection Method
- [x] Wading [ ] Canoe/Kayak
- [ ] From Shore [ ] Electric Motor
- [ ] Other [ ] Gasoline Motor

Water Level: Dry/ Pooled/ Low / (Normal) / High / Flooded

Meter ID# Biology #2

Matrix: (Fresh) / Marine / DI

Photos: Yes / (No)

Flow: No Flow / Intestital / (Flowing) / NA

Tide: Rising/ Falling/ Slack/ (NA)

Tide Times: High NA Low NA

Time Zone	Time	Total Depth (m)	Sample Depth (m)	Secchi Disk (m)	DO (mg/L)	DO (%SAT)	pH	Salinity (PPTh)	Sp COND (µmhos/cm)	Temp. (C°)
(EST)	0825	0.4	0.2	VOB	8.93	85.8	4.32	0.01	32	13.47
CEN										

Biological Samples Collected: None HA SCI RPS Algae ID LVS LVI Other:

SBIO ID Numbers: SBIO-ID: HA-ID: RPS-ID: Macrophyte-ID: LIMS#:

Parameter Suite	Parameter Methods	Preservation	Lot#	Expiration	pH Check
Preserved Nutrients	[ ] W-NH3 / W-NO2NO3 / W-TKN / W-TOC / W-S-A-TP	[ ] Ice [ ] H_2SO_4			[ ] <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			
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			
Periphyton	[ ] ALGAE-ID	[ ] Ice			
Microbiology	[x] E Coli [ ] F Coli [ ] Enterococci	[x] Ice			
Molecular	[x] PCR-FILTER [ ] PCR-HF183 [ ] PCR-BacR [ ] PCR-GULL2 [ ] PCR-GFD	[x] Ice			
Tracers	[ ] W-SUC-AA-R [ ] W-UHERB-AA [ ] W-AHERB-AA	[x] Ice			
Pesticides	[ ] W-PSNP-TQ [ ] W-UHERB-AA [ ] W-AHERB-AA [ ] W-CARB-AA [ ] W-PCL-SQ-R [ ] W-PYR-AA-R [ ] W-GLYPH [ ] W-SUC-AA-R	[ ] Ice [ ] Other			

Place Preservative Sticker(s) Here (If Available)

Notes:

FW Bact Tracers Markers

Tracers - W-E8321-NI & W-E8321-MS

Big Branch 50 meters upstream of CR 67

WIN ID/Field ID G1WA0001

Signature: **Date:** 3/22/18

Enter Field Parameters, Verify Station ID In LIMS DMT: 4/11/18 (Initials/Date) QC Station ID, Field Parameters In LIMS DMT: CM 4/23/18 (Initials/Date)

Scan/Save Field Sheets CM 4/23/18 (Initials/Date) Migrate Data to WIN: (Initials/Date) Verify Data In WIN: (Initials/Date)

CALIBRATION AND VERIFICATION LOG (FDEP SOP FT 1000-FT 1500, FD 1000-FD 4000)

Boldly "X" this box if there is qualified data on this page.

Meter ID: Bio #2 RQ- 2018-03-19-26 Project: SMP

Notes: (1) Always wait for meter to stabilize before recording any readings.
(2) Report all digits displayed. Do not round before reporting measurements. (See special instructions for depth).
(3) For Calibrations, record calibrated meter reading. Do not record initial meter reading before calibration.

Circle/Fill In: (Lab Calibration) or Calibration/Verification on Site _____

Temperature (Quarterly) FT 1400 Date of Last Temperature Verification _____

DO DEP SOP FT 1500	Name	Date	Time CT-ET	Temp	D.O. Chart mg/L	Meter D.O. mg/L	% DO	Probe Charge	Probe Gain	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	3/21/18	1534	21.60	8.812	8.81	100.0	43.1		(P) / F	(L) F
ICV	Blake Spencer	3/21/18	1535	21.61	8.812	8.81	100.1	43.1		(P) / F	(L) F
CCV	Curtis Musson	3/22/18	14:29	19.55	9.155	8.97	99.4	33		(P) / F	(L) / F
CCV										P / F	L / F

DO Acceptance criteria from Table ± 0.3 mg/L. **Rapid-Pulse Sensors:** DO Gain Range 0.7 to 1.4; DO Charge Range 25-75.
Optical: DO gain range 0.85 to 1.15; DO charge N/A. **Steady-state & Galvanic Sensors:** DO Gain & Charge N/A.

Spec. Cond. FT 1200	Name	Date	Time CT-ET	Lot #	Expir. Date	Standard µmhos/cm	Meter Reading µmhos/cm	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	3/21/18 1538	1538	171005D	10/2018	1000	1000	(P) / F	(L) F
ICV	Blake Spencer	3/21/18	1539	171005D	10/2018	1000	1001	(P) / F	(L) F
CCV	Curtis Musson	3/22/18	1433	171005E	10/2018	100	101	(P) / F	(L) / F
CCV								P / F	L / F

Conductivity Acceptance criteria ± 5%

pH DEP SOP FT 1100	Name	Date	Time CT-ET	Lot #	Expir. Date	pH Buffer SU	Meter reading SU	mV	Pass / Fail	Lab / Field
Calibr.	Blake Spencer	3/21/18	1548	~~171005B~~ 171005B	4/2019	7.0	7.00	5.2	(P) / F	(L) F
Calibr.	Blake Spencer	3/21/18	1557	~~171005~~ 171005A	10/2018	4.0	4.00	175.0	(P) / F	(L) F
Calibr.	Blake Spencer	3/21/18	1552	171005C	04/19	10.0	10.00	-162.9	(P) / F	(L) F
ICV	Blake Spencer	3/21/18	1558	171005A	10/2018	4.00	4.00	+175.3	(P) / F	(L) F
CCV	Curtis Musson	3/22/18	1435	171005C	04/2019	10.01	10.17	+20	(P) / F	L / F
CCV									P / F	L / F

pH Acceptance criteria ± 0.2 SU; mV pH 7 Range 0 ± 50; mV pH 4 Range +180 ± 50; mV pH 10 Range -180 ± 50;
If mV are recorded: slope from 7 to 10 _____, slope from 4 to 7 _____ (both must be between 165 and 180 mV)

Is meter equipped with depth sensor? Yes / No If yes, list date of last quarterly depth verification _____

Depth Sensor (Daily Calibration & ICV)	Name	Date	Time CT-ET	Calibrated Value (0.00 or Offset), meters	ICV Value meters	Pass / Fail	Lab / Field
Pressure mode in air						P / F	L / F

Report two decimal places. Round numbers ≤ 4 down, ≥ 5 up. ICV acceptance criteria ± 5 % or ± 0.05m, whichever is greater.

COMMENTS:

Request Number: RQ-2018-03-19-26

CDD, Godby, Megginnis, Chicken, Sand, 8, Black158, Big Branch

Customer: WAS-SECT

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Curtis Musson

Field Report Prepared By:

Collected By:

Sampling Agency:

Location: Sand Pond Middle

WIN ID/Field ID: G1WA0044

Field ID / WIN/STORET #

Latitude: 30.334 ☒ dd ☐ dms | Longitude: -84.387 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/22/18 Time 1115 Eastern Central | Composite end Date Time | Bottle Group(s) (See pg 2): A, C

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 81.0 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L)

Temp (C) 18.64 | pH 7.59 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 15

Salinity (ppt) 0.01 | Comments

Location: Eight Mile Pond Middle

WIN ID / Field ID: G1WA0024

Field ID / WIN/STORET #

Latitude: 30.32635 ☒ dd ☐ dms | Longitude: -84.30273 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/22/18 Time 1150 Eastern Central | Composite end Date Time | Bottle Group(s): A, C

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 81.2 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L)

Temp (C) 16.94 | pH 6.81 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 75

Salinity (ppt) 0.03 | Comments

Location: Black Creek upsream of CR158

FILED/WIN ID: G1WA0072

Field ID / WIN/STORET #

Latitude: 30.472381 ☒ dd ☐ dms | Longitude: -84.057057 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date 3/22/18 Time 1305 Eastern Central | Composite end Date Time | Bottle Group(s): A, B, C, D

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen ~~89.0~~ 79.2 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L)

Temp (C) 14.79 | pH 5.74 | Sample Depth 0.1 ☐ ft ☒ m | Sp. Conductance (umho/cm) 47

Salinity (ppt) 0.02 | Comments

Location: Central Drainage Ditch downstream of Orange Ave.

WIN ID / FIELD ID: G1WA0026

Field ID / WIN/STORET #

Latitude: 30.4695 ☒ dd ☐ dms | Longitude: -84.3073 ☒ dd ☐ dms

☐ Comp ☒ Grab | Collection (comp begin or grab) Date ~~10~~ 3/22/18 Time 1000 Eastern Central | Composite end Date Time | Bottle Group(s): A, B, C, E

Matrix (type, e.g., Salt, Fresh, etc): Fresh | Diss. Oxygen 89.0 ☐ mg/L ☒ % sat | Total Res. Chlorine (mg/L)

Temp (C) 15.48 | pH 7.38 | Sample Depth 0.3 ☐ ft ☒ m | Sp. Conductance (umho/cm) 118

Salinity (ppt) 0.06 | Comments

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	3/22/18 1347	HD	4 3		3/22/18 1348

Request Number: RQ-2018-03-19-26

CDD, Godby, Megginnis, Chicken, Sand, 8, Black158, Big Branch

Customer: WAS-SECT

Project ID: SMP

Florida Department of Environmental Protection
Central Laboratory Submittal Form

last revised Jan 25, 2018

Requester: Curtis Musson

Collected By:

Field Report Prepared By:

Sampling Agency:

Location

Field ID: **Chicken Branch at Old Plank Rd**

WIN/STORET #:

WIN ID / Field ID: G1WA0031

Latitude: 30.3261 ☒ dd ☐ dms

Longitude: -84.1481 ☐ dd ☐ dms

☐ Comp ☒ Grab

Collection (comp begin or grab) Date: 3/22/18 Time: 1231 Eastern Central

Composite end Date: Time:

Bottle Group(s) (See pg 2): C, D

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

Diss. Oxygen: 64.8 ☐ mg/L ☒ % sat

Total Res. Chlorine (mg/L):

Temp (C): 15.14

pH: 7.08

Sample Depth: 0.3 ☐ ft ☒ m

Sp. Conductance (umho/cm): 264

Salinity (ppt): 0.13

Comments:

Location

Field ID: **Big Branch 50 meters upstream of CR 67**

WIN/STORET #:

WIN ID/Field ID: G1WA0001

Latitude: 30.3110 ☒ dd ☐ dms

Longitude: -84.7651 ☒ dd ☐ dms

☐ Comp ☒ Grab

Collection (comp begin or grab) Date: 3/22/18 Time: 0826 Eastern Central

Composite end Date: Time:

Bottle Group(s): C, D

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

Diss. Oxygen: 85.8 ☐ mg/L ☒ % sat

Total Res. Chlorine (mg/L):

Temp (C): 13.47

pH: 4.32

Sample Depth: 0.2 ☐ ft ☒ m

Sp. Conductance (umho/cm): 32

Salinity (ppt): 0.01

Comments:

Location

Field ID: **Godby Drainage at Progress Dr.**

WIN/STORET:

WIN ID / Field ID: G1WA0061

Latitude: 30.444661 ☒ dd ☐ dms

Longitude: -84.344711 ☒ dd ☐ dms

☐ Comp ☒ Grab

Collection (comp begin or grab) Date: 3/22/18 Time: 0925 Eastern Central

Composite end Date: Time:

Bottle Group(s): A, C

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

Diss. Oxygen: 77.8 ☐ mg/L ☒ % sat

Total Res. Chlorine (mg/L):

Temp (C): 13.61

pH: ~~4.32~~ 7.07

Sample Depth: 0.15 ☐ ft ☒ m

Sp. Conductance (umho/cm): 178

Salinity (ppt): 0.08

Comments:

Location

Field ID: **Megginnis Arm Run Downstream of Sharer**

WIN/STORET #:

WIN ID/Field ID: G1WA0033

Latitude: 30.4804 ☒ dd ☐ dms

Longitude: -84.2982 ☒ dd ☐ dms

☐ Comp ☒ Grab

Collection (comp begin or grab) Date: 3/22/18 Time: 0725 Eastern Central

Composite end Date: Time:

Bottle Group(s): A, C, D

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

Diss. Oxygen: 88.9 ☐ mg/L ☒ % sat

Total Res. Chlorine (mg/L):

Temp (C): 14.05

pH: 6.29

Sample Depth: 0.1 ☐ ft ☒ m

Sp. Conductance (umho/cm): 87

Salinity (ppt): 0.04

Comments:

Relinquished By:	Date/Time	Shipping Method	Number of Coolers Shipped:	Received By:	Date/Time
	3/22/18 1347	HD	3		3/22/18 1348

Group: A	Bottle Type:	P-1L	# of Bottles: 7	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	6
	ALKALINITY TURBIDITY W-CL-IC W-COLOR W-F W-SO4-IC W-TDS W-TSS						
Group: A	Bottle Type:	BP-1L	# of Bottles: 7	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	6
	CHLSUITE-W						
Group: A	Bottle Type:	P-500ML	# of Bottles: 7	Preservative:	ICE And H2SO4	**Enter Number of Bottles Sent to Lab**	6
	W-NH3 W-NO2NO3 W-S-A-TP W-TKN W-TOC						
Group: A	Bottle Type:	P-125ML	# of Bottles: 7	Preservative:	FILTER-ICE	**Enter Number of Bottles Sent to Lab**	6
	W-PO4-F						
Group: B	Bottle Type:	P-500ML	# of Bottles: 2	Preservative:	HNO3	**Enter Number of Bottles Sent to Lab**	2
	W-ICP W-ICPMS						
Group: C	Bottle Type:	P-250ML-WO-THI	# of Bottles: 8	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	8
	ECOLI-18QT						
Group: D	Bottle Type:	QPCR-P-250ML	# of Bottles: 8	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	8
	PCR-FILTER						
Group: D	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	4
	W-E8321-DI W-E8321-MS						
Group: E	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	CH2ClCOOH Pre-Preserved	**Enter Number of Bottles Sent to Lab**	1
	W-CARB-AA						
Group: E	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	4

Group: E	Bottle Type:	BG-500ML	# of Bottles: 4	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	4
	W-CT-CI-R						
	W-PCL-SQ-R						
Group: E	Bottle Type:	BG-500ML	# of Bottles: 1	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	1
	W-E8321-DI						
	W-E8321-MS						
Group: E	Bottle Type:	BG-1L	# of Bottles: 4	Preservative:	ICE	**Enter Number of Bottles Sent to Lab**	4
	W-PSNP-TQ						

Cooler Packing Worksheet for Request: RQ-2018-03-19-26
CDD, Godby, Megginnis, Chicken, Sand, 8, Black158, Big Branch
Ship Cooler On: 3/15/2018
Customer/Project: WAS-SECT/SMP

Assigned To: GREENWOO_J
Requester: Curtis Musson
Priority: 3

850-245-8453
2600 Blair Stone Rd

Tallahassee, FL 32399

Attn: Curtis Musson

Comments:
Group A: Freshwater Kit
Group B: Metals
Group C: E. coli
Group D: Tracers/Markers (Aherb short list)
Group E: Pesticides (AHERB Long List)

Packing Notes:
No FedEx Labels
No Trash Bags
2 - submittal forms
1 - case of sulfuric acid

Requested Analyses:

Bottle Group: A # of Sites: 7

Container ID: P-1L **Qty: 7** **Preservation: ICE** **Lot #** 0070298

Description: Plastic Bottle 1L

Analysis	Description
ALKALINITY	Alkalinity in aqueous matrices as mg CaCO3/L
TURBIDITY	Turbidity in aqueous matrices
W-CL-IC	Chloride in aqueous matrices
W-COLOR	True Color measured at 450 nm
W-F	Fluoride in aqueous matrices, without distillation (not valid for NPDES monitoring)
W-SO4-IC	Sulfate in aqueous matrices
W-TDS	Total Dissolved Solids in aqueous matrices
W-TSS	Total Suspended Solids in aqueous matrices

Container ID: BP-1L **Qty: 7** **Preservation: ICE** **Lot #** 1217342

Description: Brown Plastic Bottle 1L

Analysis	Description
CHLSUITE-W	Phytoplankton chlorophyll-a corrected, uncorrected, and phaeophytin by spectrophotometry

Container ID: P-500ML **Qty: 7** **Preservation: ICE And H2SO4** **Lot #** 0207032

Description: Plastic Bottle 500 mL Affix YELLOW sulfuric acid dot to container.

Analysis	Description
W-NH3	Ammonia in aqueous matrices as mg N/L
W-NO2NO3	Nitrite/Nitrate in aqueous matrices as mg N/L
W-S-A-TP	Total Phosphorus in aqueous matrices as mg P/L
W-TKN	Total Kjeldahl Nitrogen in aqueous matrices
W-TOC	Nonpurgeable Organic Carbon in aqueous matrices

Container ID: P-125ML **Qty: 7** **Preservation: FILTER-ICE** **Lot #** 0016347

Description: Plastic Bottle 125 mL

Analysis	Description
W-PO4-F	Ortho-phosphate, dissolved, in filtered, aqueous matrices as mg P/L

Bottle Group: B # of Sites: 2

Container ID: P-500ML **Qty: 2** **Preservation: HNO3** **Lot #** 0207032

Description: Plastic Bottle 500 mL Affix RED nitric acid dot to container.

Analysis	Description
W-ICP	Total Recoverable Metals analysis using ICP emission spectroscopy for aqueous samples supporting Clean Water Act Projects
W-ICPMS	Total Recoverable Metals analysis using ICP-MS for aqueous samples supporting Clean Water Act Projects

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Bottle Group: C # of Sites: 8

Container ID: P-250ML-WO-THI **Qty: 8** **Preservation: ICE** **Lot #** 17167

Description:

Analysis	Description
ECOLI-18QT	Escherichia coli by Colilert 18 Quanti-Tray method - non-chlorinated water systems

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Bottle Group: D # of Sites: 4

Container ID: QPCR-P-250ML **Qty: 8** **Preservation: ICE** **Lot #** 0006954S

Description: 250ml Sterile Nalgene (2)

Analysis	Description
PCR-FILTER	Preparation of Samples by Filtration and held for qPCR Analysis

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Container ID: BG-500ML **Qty: 4** **Preservation: ICE** **Lot #** 0006377

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Bottle Group: E **# of Sites: 1**

Container ID: BG-500ML **Qty: 1** **Preservation: CH2ClCOOH Pre-Preserved** **Lot #** 0006229

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CARB-AA	Carbamates in water matrices by HPLC/MS/MS

Container ID: BG-500ML **Qty: 4** **Preservation: ICE** **Lot #** 0007107

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-CT-CI-R	Organochlorine pesticides in water matrices by GC/MS with Negative Chemical Ionization
W-PCL-SQ-R	Organochlorine pesticides in water matrices by GC/MS-SIM

Container ID: BG-500ML **Qty: 1** **Preservation: ICE** **Lot #** 0007107

Description: Brown Glass Bottle 500ML Affix BLUE dot to container.

Analysis	Description
W-E8321-DI	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS
W-E8321-MS	Pesticides, herbicides, and other chemicals in water matrices by HPLC/MS/MS

Container ID: BG-1L **Qty: 4** **Preservation: ICE** **Lot #** 0000699111

Description: Brown Glass Bottle 1L Affix BLUE dot to container.

Analysis	**Description**
W-PSNP-TQ	Organonitrogen and phosphorus pesticides (ultra trace level) in water matrices by GC/MS/MS

Cooler Packed By: J.D. Number of Coolers: 5 Date: 3/13/18

Kit must also include:
- ✓ Field Sheets
- ✓ Temperature Control Bottle
- ___ FedEx Bills, if applicable
- ✓ Plastic Bags
- ✓ Zip Ties

If Preservation Included:

ID	MCAA Buffer Solution	Exp	1/10/19	Lot #	88817
ID	Sulfuric Acid	Exp	12/7/18	Lot #	SA 734102U
ID		Exp		Lot #	
ID		Exp		Lot #	
ID		Exp		Lot #	

PLEASE RETURN ALL COOLERS FOR RQ-2018-03-19-26