

LCEL

Lee County Environmental Laboratory
60-2 Danley Dr Ft Myers, FL 33907
Phone: (239) 533-8600

Analysis Request & Chain of Custody Record

Lab Certification: E45049
LCEL F COC 20150828R1

LCEL does not accept any samples used for evidentiary purposes

Report/Result Information

Billing/Invoice Information

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Name: FDEP - South	Name: DNRM	Matrix Codes: DW-Drinking water GW- Ground water WW-Waste water SW-Surface water WWS-Wastewater Sludge S-Sediment O-Other	Preservative Codes: NP-No Preservative N-Nitric Acid S-Sulfuric Acid H-Hydrochloric Acid SH-Sodium Hydroxide ST-Sodium Thiosulfate O-Other
ATTN: Kirby Wolfe	RE: CCHMN-Tidal Caloosa		
Address: 2295 Victoria Ave, Suite 364 PO Box 2549	Address: 1500 Monroe St		
Ft Myers FL 33901	Ft Myers, FL 33901		
Phone: (239) 344-5719	Phone: (239) 533-8109		

Sample Collector(s) (please print):

Sample Collector Signature:

Nicole Reistadt, Maryann Dugan

[Signature]

Relinquished By: (signature)

Date

Time

Received By: (signature)

[Signature]

08/21/19

1350

[Signature]

Relinquished By: (signature)

Date

Time

Received By: (signature)

[Signature]

08/21/19

1350

[Signature]

Relinquished By: (signature)

Date

Time

Received By: (signature)

[Signature]

Date

Time

Received By: (signature)

Sample(s) on ice ☒ Yes or ☐ No?

Temperature °C: 0.6

NP

NPF

S

S

NP

ST

Preservatives (see codes)

Collection		Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
Date	Time			NP	NPF	S	S	NP	ST	
08/21/19	1005	CRNEP_RS #423	SWE	1	1	1	1	2	1	AE21371
08/21/19	1025	CRNEP_RS #428	SWE	1	1	1	1	2	1	AE21372
08/21/19	1110	CRNEP_RS #436	SWE	1	1	1	1	2	1	AE21373
		CRNEP_RSBOT #436 Bottom	SWE	1	1	1	1	2	1	AE21374
08/21/19	1050	CRNEP_RS #429	SWE	1	1	1	1	2	1	AE21375
08/21/19	0925	CRNEP_RS #395	SWE	1	1	1	1	2	1	AE21376
08/21/19	1120	CRNEP_EQ # @ 436	SWE	1	1	1	1	2	1	AE21377

**SAMPLES SHOULD BE IN WET ICE & LESS THAN 6° C (42.8°F)
OR THEY MAYBE QUALIFIED***

*Qualified = the data may not be accurate and regulatory agencies may not accept qualified data.

CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 08/21/2019	Site# 395	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 0925	Sonde: JNEK	3 4 5	DUP Time:	Duplicate Storet Code:							
Collecting Agency: FDEP			Bottom Time:	Bottom Storet Code:							
GPS Selected:		GPS Actual:		Weather Conditions:							
Lat: 26.53344882		Lat: 26.53333		Wind dir/spd: NE 15 mph or <u>knots</u> (circle)							
Long: -81.94303727		Long: -81.94315		Wave ht: 0.1 ft <u>m</u> (Circle)							
Samplers/FDEP: NR MD KW JB CC SC GS		Cld cover (%): 25		Hazy		<u>Clear</u>	Fog Rain				
Sampler Signature: <i>[Signature]</i>		Tide Level: LS LR LF		L=Low; M=Mid, H=High							
		MR MF HR HS <u>HF</u>		S=Slack, R=Rising, F=Falling							
Water Depth & Secchi:				Water Data: (0.01)							
Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m	Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (‰)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
1.7	0.5	0.4	0.45	0925	0.5	29.1	1585	0.79	4.73	61.8	7.44
					1.2	29.0	1595	0.80	4.69	61.3	7.43
BOTTOM TYPE: seagrass mud sand hard bottom UNK					2						
PAR Data: (umol/m ² /s)					3						
Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor			4						
Depth (m)	Deck	0.5 m	1.0 m		5						
Reading:					6						
Time:					7						
Depth (m)	Deck	0.5 m	1.0 m		Bottom Depth						
Reading:					Blank						
Time:				Additional Comments & Observations: *LICOR battery dead*							
Depth (m)	Deck	0.5 m	1.0 m								
Reading:											
Time:											
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time:				Type	SID		
UW Shallow:				UW Deep:				FLO			
				Air:							

Lee Co Environmental Lab: Keith Kibbey or Mishel Mullan (239) 533-8600
 FWC: Sarah Erickson or Tony Yard (941) 613-0945
 FDEP: Kirby Wolfe (239) 470-0873

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 08/21/19	Site# 423	Region: 1 2	Blank Time:		Blank Storet Code:		
Time: 1005	Sonde: SNEK	3 4 5	____ DUP Time:		Duplicate Storet Code:		
Collecting Agency: FDEP			____ Bottom Time:		Bottom Storet Code:		
GPS Selected:		GPS Actual:		Weather Conditions:			
Lat: 26.60275165		Lat: 26.60257		Wind dir/spd: NE 5 mph or (knots) (circle)			
Long: -81.90537025		Long: -81.90550		Wave ht: 0.1 ft (m) (Circle)			
Samplers/FDEP: (NR) (MD) KW JB CC SC GS				Cld cover (%): 40 Hazy () Clear () Fog Rain			
Sampler Signature: <i>[Signature]</i>				Tide Level: LS LR LF L=Low; M=Mid; H=High			
Water Depth & Secchi:				MR MF HR HS (HF) S=Slack, R=Rising, F=Falling			
Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m	Water Data: (0.01)			
2.0	0.5	0.4	0.45	Time:	Sample Depth (m)	Water Temp. (°C)	pH
				1005	0.5	29.2	2
				1006	1	29.2	7.17
				1007	1.5	29.2	7.14
					3		
					4		
					5		
					6		
					7		
					Bottom Depth		
					Blank		
PAR Data: (umol/m ² /s)				Additional Comments & Observations: *Battery for LICOR died*			
Depth (m)	Deck	0.5 m	1.0 m				
Reading:							
Time:							
Depth (m)	Deck	0.5 m	1.0 m				
Reading:							
Time:							
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time:		Type	SID
UW Shallow:		UW Deep:		Air:		FLO	

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 08/21/2019	Site# 428	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1025	Sonde: SNEK	3 4 5	DUP Time:	Duplicate Storet Code:							
Collecting Agency: FDEP			Bottom Time:	Bottom Storet Code:							
GPS Selected:		GPS Actual:		Weather Conditions:							
Lat: 26.62061316		Lat: 26.62069		Wind dir/spd: E 15 mph or (knots) (circle)							
Long: -81.91338297		Long: -81.91351		Wave ht: 0.1 ft (m) (Circle)							
Samplers/FDEP: NR MD KW JB CC SC GS			Cld cover (%): 40 Hazy Clear Fog Rain								
Sampler Signature: <i>[Signature]</i>			Tide Level: LS LR LF L=Low; M=Mid, H=High								
			MR MF HR HS HF S=Slack, R=Rising, F=Falling								
Water Depth & Secchi:			Water Data: (0.01)								
Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m	Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (‰)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
1.9	0.6	0.5	0.55	1025	0.5	29.6	436	0.21	5.17	68.1	7.22
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1026	1	29.6	470	0.22	5.14	67.5	7.27
PAR Data: (umol/m ² /s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	1027	1.4	29.6	521	0.25	5.09	66.9	7.24
Depth (m)	Deck	0.5 m	1.0 m		3						
Reading:					4						
Time:					5						
Depth (m)	Deck	0.5 m	1.0 m		6						
Reading:					7						
Time:					Bottom Depth						
Depth (m)	Deck	0.5 m	1.0 m		Blank						
				Additional Comments & Observations: *Licor battery dead*							
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time:				Type	SID		
UW Shallow: UW Deep: Air:								FLO			

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 08/21/2019	Site# 429	Region: 1 2	Blank Time:	Blank Storet Code:
Time: 1050	Sonde: SNEK	3 4 5	DUP Time:	Duplicate Storet Code:
Collecting Agency: FDEP			Bottom Time:	Bottom Storet Code:
GPS Selected:	GPS Actual:	Weather Conditions:		
Lat: 26.63018298	Lat: 26.63019	Wind dir/spd: NE/5 mph or (knots) (circle)		
Long: -81.8906295	Long: -81.89062	Wave ht: 0.1 ft m (Circle)		
Samplers/FDER: NR MD KW JB CC SC GS		Cld cover (%): 60 Hazy Clear Fog Rain		
Sampler Signature: [Signature]		Tide Level: LS LR LF L=Low; M=Mid, H=High		
Water Depth & Secchi:		MR MF HR HS HF S=Slack, R=Rising, F=Falling		
Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m	Water Data: (0.01)
2.4	0.5	0.5	0.5	Time: 1050
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1051
PAR Data: (umol/m ² /s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	Sample Depth (m)
Depth (m)	Deck	0.5 m	1.0 m	Water Temp. (°C)
Reading:				Conductivity (mS/cm)
Time:				Salinity (‰)
Depth (m)	Deck	0.5 m	1.0 m	Dissolved Oxygen (mg/l)
Reading:				Dissolved Oxygen (%)
Time:				pH
Depth (m)	Deck	0.5 m	1.0 m	1052
Reading:				21.9
Time:				29.2
				407
				0.19
				4.39
				57.3
				7.02
				3
				4
				5
				6
				7
				Bottom Depth
				Blank
Additional Comments & Observations: *Licor battery dead*				
Pre/Post PAR readings; (Only on 1st & last sample of trip)			Time:	
UW Shallow:	UW Deep:	Air:		Type
				SID
				FLO

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 08/21/2019	Site# 436	Region: 1 2	Blank Time: 1120	Blank Storet Code:							
Time: 1110	Sonde: SNEK	3 4 5	DUP Time:	Duplicate Storet Code:							
Collecting Agency: FDEP			Bottom Time:	Bottom Storet Code:							
GPS Selected:	GPS Actual:		Weather Conditions:								
Lat: 26.64907018	Lat: 26.64911		Wind dir/spd: NE/5			mph or (knots) (circle)					
Long: -81.88284235	Long: -81.88289		Wave ht: 0.1			ft (m) (Circle)					
Samplers/FDEP: NR MD KW JB CC SC GS			Cld cover (%): 60			Hazy Clear Fog Rain					
Sampler Signature: [Signature]			Tide Level: LS LR LF			L=Low; M=Mid, H=High					
			MR MF HR HS HF			S=Slack, R=Rising, F=Falling					
Water Depth & Secchi:			Water Data: (0.01)								
Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (‰)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH	
2.4	0.6	0.5	0.55	Time: 1110	0.5	29.2	384	0.18	4.80	62.7	7.20
BOTTOM TYPE: seagrass mud sand hard bottom (UNK)				1111	1	29.1	384	0.18	4.77	62.2	7.12
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	1112	21.9	29.1	384	0.18	4.75	61.9	7.07
Depth (m)	Deck	0.5 m	1.0 m		3						
Reading:					4						
Time:					5						
Depth (m)	Deck	0.5 m	1.0 m		6						
Reading:					7						
Time:					Bottom Depth						
Depth (m)	Deck	0.5 m	1.0 m	1120	Blank	27.8	1	0.00	7.55	96.0	5.83
Additional Comments & Observations: *Licor battery dead*											
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time:				Type	SID		
UW Shallow:				UW Deep:				Air:		FLO	

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