

LCEL

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

Analysis Request

&

Chain of Custody Record

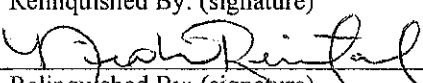
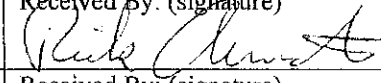
Lab Certification: E45049
LCEL F COC 20150828R1

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		Analyses Required							
Sample Collector(s) (please print): Nicole Reistad/Miranda Carroll		Sample Collector Signature:									
Relinquished By: (signature) 		Date 01/15/20	Time 1440							Received By: (signature) 	
Relinquished By: (signature)		Date	Time	Received By: (signature)		\$Chloroa, _prep	O-PO4, Color, NOX	TOC	NH3, TKN, TN, T-PO4, NO3, ONIT	Turb, NO2, TSS, Silica, Bod, Bodi	Mug2QT, Entero
Relinquished By: (signature)		Date	Time	Received By: (signature)							
Sample(s) on ice ☒ Yes or ☐ No? Temperature °C: 2.7				Preservatives (see codes)							
Collection Date Time		Sample Description & Location		Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
01/15/20 1010		CRNEP_RS #423		SWE	1	1	1	1	2	1	AE35754
01/15/20 1150		CRNEP_RS #454		SWE	1	1	1	1	2	1	AE35755
		CRNEP_RSBOT #454 Bottom <i>DID NOT SAMPLE</i>		SWE	1	1	1	1	2	1	AE35756
01/15/20 1100		CRNEP_RS #435		SWE	1	1	1	1	2	1	AE35757
01/15/20 0920		CRNEP_RS #394		SWE	1	1	1	1	2	1	AE35758
		CRNEP_RSBOT #394 Bottom <i>DID NOT SAMPLE</i>		SWE	1	1	1	1	2	1	AE35759
01/15/20 1035		CRNEP_RS #428		SWE	1	1	1	1	2	1	AE35760
01/15/20 1205		CRNEP_EQ #		SWE	1	1	1	1	2	1	AE35761

**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: 01/15/2020	Site# 394	Region: 1 2	Blank Time:	Blank Storet Code:						
Time: 0920	Sonde: SNK	3 4 5	DUP Time:	Duplicate Storet Code:						
Collecting Agency: FDEP			Bottom Time:	Bottom Storet Code:						
GPS Selected:		GPS Actual:		Weather Conditions:						
Lat: 26.53797594		Lat: 26.53809		Wind dir/spd: NE/2 mph or knots (circle)						
Long: -81.95882598		Long: -81.95915		Wave ht: 0.0 ft (m)(Circle)						
Samplers/FDEP: NR MD KW JB CC GS MC CH		Cld cover (%): 0		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
2.6	2.6	2.5	2.55	0.5	23.2	37013	23.44	7.15	95.7	7.69
BOTTOM TYPE: seagrass (mud) sand hard bottom UNK				1	23.2	37795	24.00	7.08	95.0	7.76
PAR Data: (umol/m²/s)				2.1	23.1	38353	24.39	6.95	93.4	7.77
Air Sensor				3						
Shallow In-Water Sensor				4						
Deep In-Water Sensor				5						
Depth (m)	Deck	0.5 m	1.0 m	6						
Reading:	1002.8	641.60	303.35	7						
Time: 0923				Bottom Depth						
Depth (m)	Deck	0.5 m	1.0 m	Blank						
Reading:	1001.4	434.33	218.63	Additional Comments & Observations:						
Time: 0924										
Depth (m)	Deck	0.5 m	1.0 m							
Reading:										
Time:										
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 0922				Type	SID	
UW Shallow: 1085.9 UW Deep: 1279.6				Air: 881.70				FLO		

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: 01/15/2020	Site# 423	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1010	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: 26.60209889		Lat: 26.60196		Wind dir/spd: NE/2 mph or (knots) (circle)							
Long: -81.90817396		Long: -81.90839		Wave ht: 0.0 ft (m) (circle)							
Samplers/FDEP: NR MD KW JB CC SC GS MC SH				Cld cover (%): 0 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	Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (‰)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
1.7	1.7	1.7	1.7 S ⁿ	1010	0.5	22.8	18592	11.03	7.52	93.0	7.93
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1011	1	22.9	20393	12.22	6.82	85.2	7.70
PAR Data: (umol/m ² /s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	1012	1.2	23.0	25339	15.46	6.64	84.5	7.65
Depth (m)	Deck	0.5 m	1.0 m		3						
Reading:	1325.2	314.07	286.14		4						
Time: 1008					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:							
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: 01/15/2020	Site# 428	Region: 1 2	Blank Time:	Blank Storet Code:						
Time: 1035	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: 26.63167732	Lat: 26.63182		Wind dir/spd: NE/2 mph or knots (circle)							
Long: -81.90838353	Long: -81.90839		Wave ht: 0.0 ft m (circle)							
Samplers/FDEP: NR MD KW JB CC SC GS MC CH			Cld cover (%): 0 Hazy (circle) Clear (circle) 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
1.6	1.6	1.6	1.6 "5"	Time: 1035	0.5	23.1	16109	9.44	7.26	7.80
BOTTOM TYPE: seagrass (mud) sand hard bottom UNK				1036	1.1	23.1	23575	14.29	4.70	7.41
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	2						
Depth (m)	Deck	0.5 m	1.0 m	3						
Reading:	1292.2	295.00	230.09	4						
Time: 1038				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						
Reading:				Additional Comments & Observations:						
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: 01/15/2020	Site# 435	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1100	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: 26.64192098		Lat: 26.64193		Wind dir/spd: NE/5 mph or knots (circle)							
Long: -81.8973394		Long: -81.89751		Wave ht: 0.1 ft (m (Circle))							
Samplers/FDEP: (NR) MD KW JB CC GS (MC) (CH)			Cld cover (%): () 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	Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (‰)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
1.9	1.6	1.5	1.55	1100	0.5	23.4	16263	9.53	8.00	99.4	7.86
BOTTOM TYPE: seagrass () mud () sand () hard bottom UNK				1101	1	23.2	17569	10.37	6.72	83.4	7.78
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	1102	1.4	23.2	16770	9.86	7.66	94.6	7.73
Depth (m)	Deck	0.5 m	1.0 m		3						
Reading:	1519.5	458.32	272.14		4						
Time: 1103					5						
Depth (m)	Deck	0.5 m	1.0 m		6						
Reading:	1534.6	259.91	76.036		7						
Time: 1104					Bottom Depth						
Depth (m)	Deck	0.5 m	1.0 m		Blank						
Additional Comments & Observations:											
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: 01/15/2020	Site# 454	Region: 1 2	Blank Time: 1205	Blank Storet Code:							
Time: 1150	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: 26.69294041		Lat: 26.69301		Wind dir/spd: 0 mph or knots (circle)							
Long: -81.8304032		Long: -81.83047		Wave ht: 0 ft m (Circle)							
Samplers/FDEP: (NR) MD KW JB CC GS (MC) (CH)		Cld cover (%): 0		Hazy () Clear (X) Fog () Rain ()							
Sampler Signature: [Signature]		Tide Level: LS LR (LF) HF		L=Low, M=Mid, H=High							
Water Depth & Secchi:		MR MF HR HS		S=Slack, R=Rising, F=Falling							
Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m	Water Data: (0.01)							
0.9	0.9	0.9	0.9 '5	Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (‰)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
				1150	0.5	25.2	10873	6.16	6.71	84.4	7.69
BOTTOM TYPE: seagrass (mud) sand hard bottom UNK					1						
PAR Data:					2						
(umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor		3						
Depth (m)	Deck	0.5 m	1.0 m		4						
Reading:	1505.6	735.11	272.53		5						
Time: 1151					6						
Depth (m)	Deck	0.5 m	1.0 m		7						
Reading:					Bottom Depth						8.46
Time:				1205	Blank	24.8	1.3	0.00	8.08	97.6	8.70 NR
Depth (m)				Additional Comments & Observations:							
Reading:											
Time:											
Pre/Post PAR readings; (Only on 1st & last sample of trip)						Time: 1153		Type	SID		
UW Shallow: 2366.2						UW Deep: 2102.6		FLO			
						Air: 1801.7					

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