

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

LCEL does not accept any samples used for evidentiary purposes

Lab Certification: E45049
LCEL F COC 20150828R1

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Report/Result Information

Billing/Invoice Information

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 Ft Myers FL 33901	Address: 1500 Monroe St Ft Myers, FL 33901		
Phone: (239) 344-5719	Phone: (239) 533-8109		

Sample Collector(s) (please print): Nicole Reistad/Monica Jaeger		Sample Collector Signature: 		Analyses Required					
Relinquished By: (signature) 	Date 07/20/21	Time 1510	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: 3.4°C				Preservatives (see codes)					
				NP	NPF	S	S	NP	ST

Collection		Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
Date	Time									
07/20/21	1410	CRNEP_RS #469	SWE	1	1	1	1	2	1	AE93248
07/20/21	1340	CRNEP_RS #448	SWE	1	1	1	1	2	1	AE93249
07/20/21	1125	CRNEP_RS #413	SWE	1	1	1	1	2	1	AE93250
07/20/21	1030	CRNEP_RS #392	SWE	1	1	1	1	2	1	AE93251
07/20/21	1155	CRNEP_RS #417	SWE	1	1	1	1	2	1	AE93252
07/20/21	1425	CRNEP_EQ #	SWE	1	1	1	1	2	1	AE93253

**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 CALOOSA HATCHEE DATA SHEET

Date: 07/20/2021				Site# 392		Region: 1 2		Blank Time:		Blank Storet Code:					
Time: 1030				Sonde: PRO MOVE		3 4 5		DUP Time:		Duplicate Storet Code:					
Collecting Agency: FDEP								Bottom Time:		Bottom Storet Code:					
GPS Selected:		GPS Actual:		Weather Conditions:											
Lat: 26.5350948		Lat: 26.53526		Wind dir/spd: 10-1				mph or knots (circle)							
Long: -81.99807677		Long: -81.99808		Wave ht: 0.0				ft m (Circle)							
Samplers/FDEP: NR KW MJ WM JB GS TB				Cld cover (%): 50% 25				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				
2.0	1.9	1.8	1.85	1030	0.5	30.7	24771	14.96	6.12	89.2	7.89				
BOTTOM TYPE: seagrass mud sand hard bottom UNK					1										
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:						4									
Time: 1036		489.92	255.91	144.62		5									
Depth (m)		Deck	1.5 0.5 m NR	2.0 1.0 m NR		6									
Reading:						7									
Time: 1037		1557.9	431.77	147.54	1032	Bottom Depth 1.5	30.6	29,679	18.24	5.81	85.7				
Depth (m)		Deck	0.5 m	1.0 m		Blank									
Reading:					Additional Comments & Observations: cloud cover varied significantly during LICOR readings (5% - 80% cover)										
Time:															
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 1034						Type	SID				
UW Shallow: 2557.2				UW Deep: 2421.1		Air: 2229.5				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

Date: 07/20/2021				Site# 413		Region: 1 2		Blank Time:		Site Storet Code:					
Time: 1125				Sonde: PRO MAX		3 4 5		DUP Time:		Blank Storet Code:					
Collecting Agency: FDEP								Bottom Time:		Duplicate Storet Code:					
GPS Selected:				GPS Actual:		Weather Conditions:									
Lat: 26.57936544				Lat: 26.57931		Wind dir/spd: W / 3				mph or knots (circle)					
Long: -81.90189398				Long: -81.90199		Wave ht: 0.05				ft (m (Circle))					
Samplers/FDEP: NR KW MJ WM JB GS TB						Cld cover (%): 0		Hazy		Clear		Fog		Rain	
						Tide Level: LS LR LF		L=Low; M=Mid, H=High							
Sampler Signature: [Signature]						MR		MF		HR		HS		HF	
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 (°/oo)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH		
1.2	1.2	1.2	1.2 "S"			1125	0.5	30.1	6201	3.35	7.79	105.2	8.19		
BOTTOM TYPE: seagrass mud sand hard bottom UNK							1								
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:							4								
Time: 1127		2082.8	677.54		358.19		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	Additional Comments & Observations:									
Reading:															
Time:															
Pre/Post PAR readings; (Only on 1st & last sample of trip)						Time:						Type	SID		
UW Shallow:						UW Deep:						FLO			
						Air:									

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 07/20/2021	Site# 417	Region: 1 2	Blank Time:		Blank Storet Code:						
Time: 1155	Sonde: PRO MOVE	3 4 5	____ DUP Time:		Duplicate Storet Code:						
Collecting Agency: FDEP			____ Bottom Time:		Bottom Storet Code:						
GPS Selected:		GPS Actual:		Weather Conditions:							
Lat: 26.5923253		Lat: 26.59253		Wind dir/spd: W/7 mph or knots (circle)							
Long: -81.92581504		Long: -81.92596		Wave ht: 0.15 ft m (Circle)							
Samplers/FDEP: NR KW MJ WM JB GS TB				Cld cover (%): 10 Hazy Clear Fog Rain							
				Tide Level: LS LR LF L=Low; M=Mid, H=High							
Sampler Signature: [Signature]				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
1.6	1.3	1.2	1.25	1155	0.5	30.0	4505	2.38	6.98	93.5	8.03
BOTTOM TYPE: seagrass mud sand hard bottom UNK					1						
PAR Data: (umol/m²/s)					2						
Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor			3						
Depth (m)	Deck	0.5 m	1.0 m		4						
Reading:					5						
Time: 1158	1947.4	628.99	430.41		6						
Depth (m)	Deck	0.5 m	1.0 m		7						
Reading:				1156	Bottom Depth 1.1	29.7	5549	2.98	8.8 ^{NR} 8.6	115.1	8.07
Time:					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: 07/20/2021	Site# 448	Region: 1 2	Blank Time:	Blank Storet Code:				
Time: 1340	Sonde: PRO MOVE	3 4 5	DUP Time:	Duplicate Storet Code:				
Collecting Agency: FDEP			Bottom Time:	Bottom Storet Code:				
GPS Selected:		GPS Actual:						
Lat: 26.675941	Lat: 26.67588	Weather Conditions:						
Long: -81.8554149	Long: -81.85507	Wind dir/spd: W/8 mph or knots (circle)						
Samplers/FDEP: NR KW MJ WM JB GS TB		Wave ht: 0.2 ft (m) (Circle)						
Sampler Signature: [Signature]		Cld cover (%): 0 Hazy Clear Fog Rain						
Water Depth & Secchi:		Tide Level: LS LR LF L=Low; M=Mid, H=High						
Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	MR MF HR HS HF S=Slack, R=Rising, F=Falling					
1.0	0.9	0.8	Water Data: (0.01)					
Secchi Average/m	0.85	Time: 1340						
BOTTOM TYPE: seagrass mud sand hard bottom UNK		Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (‰)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
		0.5	31.2	60.5	0.29	5.20	69.9	7.8
		1	30.8					7.76
PAR Data: (umol/m²/s)		Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor				
Depth (m)	Deck	0.5 m	1.0 m					
Reading:		563.21						
Time: 1342	2106.0	536.1NR	215.65					
Depth (m)	Deck	0.5 m	1.0 m					
Reading:								
Time:								
Depth (m)	Deck	0.5 m	1.0 m					
Reading:								
Time:								
Additional Comments & Observations:								
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time:		Type	SID	
UW Shallow:				UW Deep:		FLO		
				Air:				

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 07/20/2021	Site# 469	Region: 1 2	Blank Time: 1425	Blank Storet Code:							
Time: 1410	Sonde: PRO MOVE	3 4 5	DUP Time:	Duplicate Storet Code:							
Collecting Agency: FDEP			Bottom Time:	Bottom Storet Code:							
GPS Selected:		GPS Actual:		Weather Conditions:							
Lat: 26.71911935		Lat: 26.71900		Wind dir/spd: W/8 mph or (knots) (circle)							
Long: -81.75873188		Long: -81.75871		Wave ht: 0.05 ft m (Circle)							
Samplers/FDEP: NR KW MJ WM JB GS TB		Cld cover (%): 10		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	0.7	0.6	0.65	0.5	30.0	340	0.26	4.69	61.9	7.61	
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1	29.8						
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:				4							
Time: 1413	2208.6	382.77	147.69	5							
Depth (m)	Deck	0.5 m	1.0 m	6							
Reading:				7							
Time: 1414	2231.6	23.127	5.1605	Bottom Depth	1.9	28.7	458	0.22	3.29	42.9	
Depth (m)	Deck	0.5 m	1.0 m	Blank							
Additional Comments & Observations:											
Pre/Post PAR readings; (Only on 1st & last sample of trip)											
UW Shallow: 3089.1				UW Deep: 2997.8				Time: 1415		Type	SID
				Air: 2117.5				FLO			

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