

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

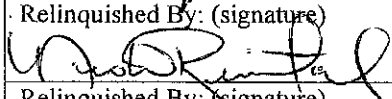
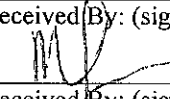
LCEL does not accept any samples used for evidentiary purposes

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		

Sample Collector(s) (please print): Nicole Reistad/Miranda Carroll		Sample Collector Signature:		Analyses Required						
Relinquished By: (signature) 	Date 02/19/20	Time 1457	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: 4.7	NP	NPF	S	S	NP	ST
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Collection		Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
Date	Time									
02/19/20	1030	CRNEP_RS #387	SWE	1	1	1	1	2	1	AE39614
02/19/20	1215	CRNEP_RS #454	SWE	1	1	1	1	2	1	AE39615
02/19/20	1000	CRNEP_RS #326x	SWE	1	1	1	1	2	1	AE39616
02/19/20	1150	CRNEP_RS #450	SWE	1	1	1	1	2	1	AE39617
02/19/20	1110	CRNEP_RS #423	SWE	1	1	1	1	2	1	AE39618
		CRNEP_RSBOT #423 Bottom DID NOT SAMPLE	SWE	1	1	1	1	2	1	AE39619
02/19/20	1225	CRNEP_EQ # @454	SWE	1	1	1	1	2	1	AE39620

**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: 02/19/2020	Site# 326X	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1000	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: 26.52687914		Lat: 26.52688		Wind dir/spd: E / 2 mph or knots (circle)							
Long: -82.00084281		Long: -82.00072		Wave ht: 0 ft (m (Circle))							
Samplers/FDEP: (NR) KW GS JB CC MC (CH)			Cld cover (%): 58 60		Hazy (circle) Fog Rain						
Sampler Signature: [Signature]			Tide Level: LS NR (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	2.0	2.0	2.0 "S"	1000	0.5	25.2	36883	23.32	6.74	93.5	7.80
BOTTOM TYPE: seagrass (mud) sand hard bottom UNK				1001	1	25.2	37113	23.48	6.67	92.5	7.85
PAR Data: (umol/m²/s)				1002	NR 1.5	25.2	37099	23.48	6.66	92.3	7.84
Air Sensor					3						
Shallow In-Water Sensor					4						
Deep In-Water Sensor					5						
Depth (m)	Deck	0.5 m	1.0 m		6						
Reading:	454.67	236.71	113.40		7						
Time: 0957					Bottom Depth						
Depth (m)	Deck	1.5 NR 0.5 m	2.0 NR 1.0 m		Blank						
Reading:	521.88	129.24	91.079	Additional Comments & Observations: fast-moving clouds							
Time:											
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 0955				Type	SID		
UW Shallow: 1769.7 UW Deep: 1698.2				Air: 1645.1				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: 02/19/2020	Site# 387	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1030	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: 26.52523339		Lat: 26.52526		Wind dir/spd: E/1 mph or (knots) (circle)							
Long: -81.97187541		Long: -81.97178		Wave ht: 0.1 ft (m) (Circle)							
Samplers/FDEP: NR KW GS JB CC MC CH			Cld cover (%): 70		Hazy		Clear				
Sampler Signature: [Signature]			Tide Level: LS LR		LF		Fog Rain				
			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	
3.3	2.9	2.0	2.85	Time: 1030	0.5	25.4	33555	20.99	7.19	98.4	7.93
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1031	1	25.4	35195	22.14	7.11	98.2	7.88
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	1032	2	25.3	36202	22.84	6.78	94.1	7.84
Depth (m)	Deck	0.5 m	1.0 m	1033	2.5	25.3	44,300	28.59	5.67	81.1	7.78
Reading:	656.43	299.06	184.81		4						
Time: 1035					5						
Depth (m)	Deck	1.5-0.5 m	2.0-1.0 m		6						
Reading:	620.02	99.802	63.012		7						
Time: 1036					Bottom Depth						
Depth (m)	Deck	0.5 m	1.0 m		Blank						
Additional Comments & Observations: Could not take reading deeper than 2m.											
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: 02/19/2020	Site# 423	Region: 1 2	Blank Time:	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: 26.60440163	Lat: 26.60447		Wind dir/spd: E/1 mph or knots (circle)								
Long: -81.90312453	Long: -81.90313		Wave ht: 0.0 ft (m (circle))								
Samplers/FDEP: (NR) KW GS JB CC MC CH			Cld cover (%): 75 Hazy (circle) Clear (circle) 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
2.1	2.1	2.1	2.1 "S"	1110	0.5	25.7	19935	11.87	7.40	97.6	7.95
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1111	1	25.4	25761	15.70	6.64	88.6	7.76
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	1112	21.6	25.1	29866	18.48	5.89	79.3	7.70
Depth (m)	Deck	0.5 m	1.0 m		3						
Reading:	677.54	255.97	171.00		4						
Time: 1114					5						
Depth (m)	Deck	1.5 0.5 m	2.0 1.0 m		6						
Reading:	1262.9	252.72	160.61		7						
Time: 1115					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:		FLO			

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 02/19/2020	Site# 450	Region: 1 2	Blank Time:	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: 26.6797065		Lat: 26.67966		Wind dir/spd: W/2 mph or knots (circle)							
Long: -81.83240359		Long: -81.83230		Wave ht: 0.1 ft (m) (circle)							
Samplers/FDEP: (NR) KW GS JB CC MC (CH)		Cld cover (%): 25		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	1.1	1.0	1.05	Time: 1150	0.5	25.1	12855	7.37	7.43	95.6	7.93
BOTTOM TYPE: seagrass mud sand hard bottom UNK											
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	Time: 1151	NR 1.1	25.3	15720	9.17	5.49	70.5	7.59 NR
Depth (m)	Deck	0.5 m	1.0 m		3						
Reading:					4						
Time: 1148	2034.9	458.33	209.71		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:				FLO			
				Air:							

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 02/19/2020	Site# 454	Region: 1 2	Blank Time: 1225	Blank Storet Code:			
Time: 1215	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: 26.69123024		Lat: 26.69122		Wind dir/spd: W 15 mph or knots (circle)			
Long: -81.82485069		Long: -81.82481		Wave ht: 0.1 NR ft (m (circle))			
Samplers/FDEP: (NR) KW GS JB CC MC CH		Cld cover (%): 30 50		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)	pH
2.0	0.9	0.8	0.85	1215	0.5 25.9 NR 25.8	4328	7.96
BOTTOM TYPE: seagrass (mud) sand hard bottom UNK				1216	1	25.5	7.75
PAR Data: (umol/m²/s)				1217 NR 1.5	25.4	4673	7.60
Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor		3			
Depth (m)	Deck	0.5 m	1.0 m	4			
Reading:	413.60	84.872	28.688	5			
Time: 1219				6			
Depth (m)	Deck	1.5 0.5 m	2.0 1.0 m	7			
Reading:	411.12	8.8401	0.94485	Bottom Depth	4		
Time: 1220				1225	Blank	29.8 2	8.18
Depth (m)	Deck	0.5 m	1.0 m	Additional Comments & Observations: fast-moving clouds			
Reading:							
Time:							
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 1225			Type
UW Shallow: 501.53 UW Deep: 478.59				Air: 362.53			SID
						FLO	

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