LCEL

Lab Certification: E45049
LCEL_F_COC_20150828R1

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

Report/Result Information	Billing/Invoice Information
Name: Tidal Caloosa	**Name:** DNRM
Distrib List: FDEP - South	RE: CCHMN-Tidal Caloosa
Address: 2295 Victoria Ave, Suite 364	**Address:** 1500 Monroe St
PO Box 2549	
Ft Myers FL 33901	Ft Myers, FL 33901
Phone: (239) 344-5719	Phone: (239) 533-8109
Sample Collector(s) (please print): Nicole Reistad/Monica Jaeger	Sample Collector Signature:

Relinquished By: (signature)	Date	Time	Received By: (signature)
	07/05/23	1347	
Relinquished By: (signature)	Date	Time	Received By: (signature)
Relinquished By: (signature)	Date	Time	Received By: (signature)

Sample(s) on ice ☒ Yes or ☐ No? Temperature °C: 2.2°C

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

Analyses Required

Collection Date	Collection Time	Sample Description & Location	Matrix (see codes)	$Chloroa, _prep	O-PO4, Color, NOX	TOC	NH3, TKN, TN, T-PO4, NO3, ONIT	Turb, NO2, TSS, , Bod, Bodi	Entero	Lab ID #
				Preservatives (see codes)						
				NP	NPF	S	S	NP	ST	
				# of Sample Containers Submitted						
07/05/23	0920	CRNEP_RS #395	SWE	1	1	1	1	2	1	AF63187
07/05/23	1035	CRNEP_RS #424	SWE	1	1	1	1	2	1	AF63188
07/05/23	1045	CRNEP_RS #424 Bottom	SWE	1	1	1	1	2	1	AF63189
07/05/23	1140	CRNEP_RS #449	SWE	1	1	1	1	2	1	AF63190
07/05/23	1105	CRNEP_RS #396	SWE	1	1	1	1	2	1	AF63191
07/05/23	1115	CRNEP_RS #443	SWE	1	1	1	1	2	1	AF63192
07/05/23	1225	RNEP_EQ # 0449	SWE	1	1	1	1	2	1	AF63193

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

Date: 07/05/2023	Site# 395	Region: 1 2	Blank Time:
Time: 0920	Sonde: President 3 4 5		____ DUP Time:
Collecting Agency: FDEP	Camacho		____ Bottom Time:

Site WIN Code:
Blank WIN Code:
Duplicate WIN Code:
Bottom WIN Code:

GPS Selected:	GPS Actual:
Lat: 26.53565209	Lat: 26.53590
Long: -81.94810812	Long: -81.94846

Samplers/FDEP: NR MJ WM TB GS JB

Sampler Signature:

Weather Conditions:

Wind dir/spd: 0 mph or knots (circle)

Wave ht: 0.0 ft m (Circle)

Cld cover (%): 0 Hazy Clear Fog Rain

Tide Level: LS LR LF MR MF HR HS HF

L=Low; M=Mid, H=High

S=Slack, R=Rising, F=Falling

Water Depth & Secchi:

Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m
4.8	0.9	0.9	0.9

BOTTOM TYPE: seagrass mud sand hard bottom UNK

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:			
Time: 0932	1158.2	247.19	82.723
Depth (m)	Deck	m	m
Reading:			
Time: 0933	1326.3	48.789	15.965
Depth (m)	Deck	m	m
Reading:			
Time:			

Water Data: (0.01)

Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (°/oo)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
0920	0.5	31.6	10,601	5.94	4.88	68.5	7.48
0921	1	31.7	11,032	6.20	4.73	66.8	7.60
0922	2	31.8	16,664	9.69	4.89	70.4	7.59
0923	3	32.1	21,852	13.01	4.30	~~61.6~~ 61.3	7.61
0924	4	32.3	27,284	16.59	4.07	61.1	7.62
	5						
	6						
	7						
0925	Bottom Depth 4.3	32.3	25,650	15.50	4.15	62.1	7.65
	Blank						

Additional Comments & Observations: blue-green algae specks present on the surface and throughout water column

Pre/Post PAR readings; (Only on 1st & last sample of trip) Time: 0930

Air: 1683.5 UW Shallow: 1731.9 UW Deep: 1768.8

Type	SID
FLO	

Lee Co Environmental Lab: Keith Kibbey or Mishel Mullan (239) 533-8600
FWC: Sarah Erickson or Tony Yard (941) 613-0945
FDEP: Nicole Reistad (239) 344-5718

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Date: 07/05/2023	**Site#** 396	**Region:** 1 2	Blank Time:
Time: 1005	**Sonde:** President	3 4 5	____ DUP Time:
Collecting Agency: FDEP	Camacho		____ Bottom Time:

Site WIN Code:

Blank WIN Code:

Duplicate WIN Code:

Bottom WIN Code:

GPS Selected:	**GPS Actual:**
Lat: 26.54108783	Lat: 26.54102
Long: -81.92631316	Long: -81.92618

Weather Conditions:

Wind dir/spd: 0 mph or knots (circle)

Wave ht: 0 ft m (Circle)

Cld cover (%): 0 Hazy Clear Fog Rain

Tide Level: LS LR LF MR MF HR HS HF

L=Low; M=Mid, H=High

S=Slack, R=Rising, F=Falling

Samplers/FDEP: NR MJ WM TB GS JB

Sampler Signature:

Water Depth & Secchi:

Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m
1.1	0.9	0.8	0.85

BOTTOM TYPE: seagrass mud sand hard bottom UNK

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:			
Time: 1009	1521.2	315.42	116.56
Depth (m)	Deck	m	m
Reading:			
Time:			
Depth (m)	Deck	m	m
Reading:			
Time:			

Water Data: (0.01)

Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (°/oo)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
1005	0.5	~~31.6~~ NR	~~10.96~~ NR	6.21	4.27	60.0	7.44
	1	31.8	11,052				
	2						
	3						
	4						
	5						
	6						
	7						
	Bottom Depth						
	Blank						

Additional Comments & Observations:

Pre/Post PAR readings; (Only on 1st & last sample of trip) **Time:**

Air: UW Shallow: UW Deep:

Type	**SID**
FLO	

Lee Co Environmental Lab: Keith Kibbey or Mishel Mullan (239) 533-8600

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FDEP: Nicole Reistad (239) 344-5718

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Date: 07/05/2023	**Site#** 424	**Region:** 1 2	Blank Time:
Time: 1035	**Sonde:** President 3 4 5		____ DUP Time:
Collecting Agency: FDEP	Camacho		424B ~~A~~ Bottom Time: 1045

Site WIN Code:
Blank WIN Code:
Duplicate WIN Code:
Bottom WIN Code:

GPS Selected:
Lat: 26.60662805
Long: -81.89754396

GPS Actual:
Lat: 26.60658
Long: -81.89745

Samplers/FDEP: NR MJ WM TB GS JB

Sampler Signature:

Weather Conditions:
Wind dir/spd: 0 mph or knots (circle)
Wave ht: 0 ft m (Circle)
Cld cover (%): 10 Hazy Clear Fog Rain
Tide Level: LS LR LF MR MF HR HS HF
L=Low; M=Mid, H=High
S=Slack, R=Rising, F=Falling

Water Depth & Secchi:

Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m
3.8	0.6	0.6	0.6

BOTTOM TYPE: seagrass mud sand hard bottom UNK

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:			
Time: 1041	1836.2	268.53	72.222
Depth (m)	Deck	1.5 m	2.0 m
Reading:			
Time: 1042	1838.6	23.567	6.2021
Depth (m)	Deck	m	m
Reading:			
Time:			

Water Data: (0.01)

Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (°/oo)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
1035	0.5	31.9	2107	1.06	5.67	78.2	7.72
1036	1	31.3	2312	1.17	5.13	69.8	7.70
1037	2	31.3	2530	1.29	5.32	72.4	7.72
1038	3	31.8	4350	2.28	3.84	53.0	7.58
	4						
	5						
	6						
	7	31.9					
1045	Bottom Depth 3.3	~~31.8~~ NR	5607	3.06	3.46	48.1	7.53
	Blank						

Additional Comments & Observations: blue-green algae present as streaks on the surface and throughout the water column

Pre/Post PAR readings; (Only on 1st & last sample of trip) **Time:**
Air: UW Shallow: UW Deep:

Type	SID
FLO	

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FWC: Sarah Erickson or Tony Yard (941) 613-0945
FDEP: Nicole Reistad (239) 344-5718

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Date: 07/05/2023	Site# 443	Region: 1 2	Blank Time:	Site WIN Code:
Time: 1115	Sonde: President 3 4 5		____ DUP Time:	Blank WIN Code:
Collecting Agency: FDEP	Camacho		____ Bottom Time:	Duplicate WIN Code:
				Bottom WIN Code:

GPS Selected:	GPS Actual:
Lat: 26.65901876	Lat: 26.65910
Long: -81.86564872	Long: -81.86557

Weather Conditions:

Wind dir/spd: 0 mph or knots (circle)

Wave ht: 0 ft m (Circle)

Cld cover (%): 10 Hazy Clear Fog Rain

Tide Level: LS LR LF MR MF HR HS HF

L=Low; M=Mid; H=High; S=Slack; R=Rising; F=Falling

Samplers/FDEP: NR MJ WM TB GS JB

Sampler Signature:

Water Depth & Secchi:

Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m
2.0	0.7	0.6	0.65

BOTTOM TYPE: seagrass mud sand hard bottom UNK

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:			
Time: 1120	1827.9	196.93	42.596
Depth (m)	Deck	1.0 m	1.5 m
Reading:			
Time: 1121	1832.6	46.208	9.8127
Depth (m)	Deck	m	m
Reading:			
Time:			

Water Data: (0.01)

Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (°/oo)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
1115	0.5	31.6	484.5	0.23	3.67	50.0	7.50
	1						
	2						
	3						
	4						
	5						
	6						
	7						
1116	Bottom Depth 1.5	31.4	484.8	0.23	3.53	47.9	7.42
	Blank						

Additional Comments & Observations: Blue-green algae specks in the water column

Pre/Post PAR readings; (Only on 1st & last sample of trip) Time:

Air: UW Shallow: UW Deep:

Type	SID
FLO	

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Date: 07/05/2023	**Site#** 449	**Region:** 1 2	Blank Time: 1225	**Site WIN Code:**
Time: 1140	**Sonde:** President Camacho	3 4 5	____ DUP Time:	Blank WIN Code:
Collecting Agency: FDEP			____ Bottom Time:	Duplicate WIN Code:
				Bottom WIN Code:

GPS Selected:	**GPS Actual:**
Lat: 26.67894446	Lat: 26.67904
Long: -81.84491252	Long: -81.84903

Samplers/FDEP: NR MJ WM TB GS JB

Sampler Signature:

Weather Conditions:

Wind dir/spd: 0 mph or knots (circle)

Wave ht: 0 **ft m (Circle)**

Cld cover (%): 0 Hazy Clear Fog Rain

Tide Level: LS LR ~~LF~~ NR L=Low; M=Mid, H=High

MR MF HR HS HF S=Slack, R=Rising, F=Falling

Water Depth & Secchi:

Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m
1.7	0.7	0.6	0.65

BOTTOM TYPE: seagrass mud sand hard bottom UNK

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:			
Time:	1974.0	175.05	26.138
Depth (m)	Deck	m	m
Reading:			
Time:			
Depth (m)	Deck	m	m
Reading:			
Time:			

Water Data: (0.01)

Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (°/oo)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
1140	0.5	31.7	478.9	0.23	3.22	43.9	7.45
	1						
	2						
	3						
	4						
	5						
	6						
	7						
1142	Bottom Depth 1.2	31.2	494.8	0.24	3.09	41.8	7.40
	Blank						

Additional Comments & Observations:

Pre/Post PAR readings; (Only on 1st & last sample of trip) **Time:** 1148

Air: 2095.5 UW Shallow: 2818.3 UW Deep: 2778.5

Type	**SID**
FLO	

Lee Co Environmental Lab: Keith Kibbey or Mishel Mullan (239) 533-8600

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