

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: DNR	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/Maryann Dugan

Sample Collector Signature:

Analyses Required

Relinquished By: (signature)	Date	Time	Received By: (signature)	\$Chloroa, _prep	O-P04, Color, NOX	TOC	NH3, TKN, TN, T-P04, NO3, ONIT	Turb, NO2, TSS, Silica, Bod, Bodi	Mug2QT, Entero
Relinquished By: (signature)	Date	Time	Received By: (signature)						
Relinquished By: (signature)	Date	Time	Received By: (signature)						

Preservatives (see codes)

Sample(s) on ice ☒ Yes or ☐ No? Temperature °C: 4.7°C

Collection		Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
Date	Time			NP	NPF	S	S	NP	ST	
04/10/19	0955	CRNEP_RS #396	SWE	1	1	1	1	2	1	AE06806
04/10/19	1125	CRNEP_RS #423	SWE	1	1	1	1	2	1	AE06807
		CRNEP_RSBOT #423 Bottom NOT TAKEN	SWE	1	1	1	1	2	1	AE06808
04/10/19	1050	CRNEP_RS #404	SWE	1	1	1	1	2	1	AE06809
04/10/19	1025	CRNEP_RS #403	SWE	1	1	1	1	2	1	AE06810
04/10/19	1215	CRNEP_RS #453	SWE	1	1	1	1	2	1	AE06811
04/10/19	1235	CRNEP_EQ # BLANK	SWE	1	1	1	1	2	1	AE06812

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: 04/18/2019	Site# 396	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 0955	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: 26.5450495	Lat: 26.54505	Wind dir/spd: W 15 mph or knots (circle)									
Long: -81.92740046	Long: -81.93266	Wave ht: 0.15 ft (m) (Circle)									
Samplers/FDEP: NR MD KW JB CC SC GS		Cld cover (%): 10 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)							
1.5	1.5	1.5	1.5	Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (‰)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
				0955	0.5	25.6	28036	17.23	6.60	89.1	7.60
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:	1006.0	550.76	126.45		4						
Time:	1003	1003	1003		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: 0953				Type	SID		
UW Shallow: 1566.3 UW Deep: 1557.7 Air: 1055.1								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: 04/09/2019	Site# 403	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: 26.55863775		Lat:		Wind dir/spd: W / 8 mph or (knots) (circle)							
Long: -81.93623189		Long:		Wave ht: 0.15 ft (m) (Circle)							
Samplers/FDEP: (NR) MD KW JB CC SC (GS)		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	
2.2	2.2	2.2	2.2	Time: 1025	0.5	26.1	27925	17.15	6.46	87.8	7.69
BOTTOM TYPE: seagrass (mud) sand hard bottom UNK				1027	1	26.1	27907	17.14	6.45	87.7	7.69
PAR Data: (umol/m²/s)				1030	2.17						
Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor		3							
Depth (m)	Deck	0.5 m	1.0 m	4							
Reading:	1511.5	821.55	757.46	5							
Time:	1028	1028	1028	6							
Depth (m)	Deck	1.5 0.5 m	2.0 1.0 m	7	25.9						
Reading:	1492.9	356.03	211.79	1030	Bottom Depth 1.7	26.0	28999	17.88	6.58	89.5	7.71
Time:	1029	1029	1025		Blank	NR					
Depth (m)				Additional Comments & Observations:							
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:							

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 04/09/2019	Site# 404	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: 26.55710431	Lat: 26.55710		Wind dir/spd: W 18 mph or (knots) (circle)							
Long: -81.92307533	Long: -81.92297		Wave ht: 0.15 ft m (Circle)							
Samplers/FDEP: NR MD KW JB CC SC GS			Cld cover (%): 5 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
0.9	0.9	0.9	0.9	Time: 1050	0.5	25.6	25703	15.66	8.78	105 NE 7.84
BOTTOM TYPE: seagrass mud (sand) hard bottom UNK				1					117.7	
PAR Data: (umol/m²/s)				2						
Air Sensor				3						
Shallow In-Water Sensor				4						
Deep In-Water Sensor				5						
Depth (m)	Deck	0.4 0.5 m	0.9 1.0 m	6						
Reading: NE 1621.6		292.61	328.21	7						
Time: NE 1054		1054	1054	Bottom Depth						
Depth (m)	Deck	0.4 0.5 m	0.9 1.0 m	Blank						
Reading: 1580.4		1184.9	1374.5	Additional Comments & Observations:						
Time: 1100		1100	1100							
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:						

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 04/09/2019	Site# 423	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1125	Sonde: SNER	3 4 5	DUP Time:	Duplicate Storet Code:							
Collecting Agency: FDEP			Bottom Time:	Bottom Storet Code:							
GPS Selected:		GPS Actual:		Weather Conditions:							
Lat: 26.60316306		Lat: 26.60328		Wind dir/spd: W/10 mph or knots (circle)							
Long: -81.90531099		Long: -81.90523		Wave ht: 0.25 ft (m) (Circle)							
Samplers/FDEP: (NR) MD KW JB CC SC (GS)		Cld cover (%): 35		Hazy () Clear (X) 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	1.3	1.2	1.25	1125	0.5	25.7	16251	9.44	6.64	85.8	7.74
BOTTOM TYPE: seagrass mud sand hard bottom (UNK)				1127	1	25.7	16540	9.68	6.55	84.8	7.72
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:	1961.4	893.16	355.07	4							
Time:	1126	1126	1126	5							
Depth (m)	Deck	1.5 0.5 m	2.0 1.0 m	6							
Reading:	1983.4	215.57	86.511	7							
Time:	1127	1127	1127	1128	Bottom Depth 1.5	25.7	16898	9.89	6.50	84.2	7.71
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: 04/09/2019	Site# 453	Region: 1 2	Blank Time: 1235	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: 26.68508035		Lat: 26.68510		Wind dir/spd: W 18 mph or knots (circle)						
Long: -81.84066622		Long: -81.84052		Wave ht: 0.15 ft (m) (Circle)						
Samplers/FDEP: (NR) MD KW JB CC SC GS		Cld cover (%): 90		Hazy (circle) Clear (circle) Fog Rain						
Sampler Signature: [Signature]		Tide Level: LS LR (LF) (circle)		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
1.4	0.5	0.4	0.45	0.5	25.6	3609	1.89	7.11	87.9	7.95
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1						
PAR Data: (umol/m²/s)				2						
Air Sensor				3						
Shallow In-Water Sensor				4						
Deep In-Water Sensor				5						
Depth (m)	Deck	0.5 m	1.0 m	6						
Reading:	1272.0	166.71	27.723	7						
Time:	1220	1220	1220	Bottom Depth						
Depth (m)	Deck	0.5 m	1.0 m	1235	Blank	27.0	2	0.00	7.71	97.4
Reading:				Additional Comments & Observations:						
Time:	511.28									
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 1225				Type	SID	
UW Shallow: 500.04				UW Deep: 166.727				FLO		
				Air: 1055.1 N2						

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