

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: 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/Maryann Dugan

Sample Collector Signature:

Analyses Required

Relinquished By: (signature)	Date	Time	Received By: (signature)	\$Chloro, _prep	O-PO4, Color, NOX	TOC	NH3, TKN, TN, T-PO4, NO3, ONIT	Turb, NO2, TSS, Silica, Bod, Bodl	Mug2QT, Entero	
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: 1.5°C

NP NPF S S NP ST

Preservatives (see codes)

Collection Date	Time	Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
05/15/19	1245	CRNEP_RS #462	SWE	1	1	1	1	2	1	AE10584
05/15/19	1220	CRNEP_RS #455	SWE	1	1	1	1	2	1	AE10585
05/15/19	1200	CRNEP_RS #450	SWE	1	1	1	1	2	1	AE10586
05/15/19	0935	CRNEP_RS #387	SWE	1	1	1	1	2	1	AE10587
		CRNEP_RSBOT #387 BOTTOM NOT TAKEN	SWE	1	1	1	1	2	1	AE10588
05/15/19	1015	CRNEP_RS #404	SWE	1	1	1	1	2	1	AE10589
05/15/19	1300	CRNEP_EQ #BLANK AT #462	SWE	1	1	1	1	2	1	AE10590

**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: 05/15/2019	Site# 387	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 0935	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: 26.52604663	Lat: 26.52600		Wind dir/spd: 0	mph or knots (circle)							
Long: -81.9781029	Long: -81.97795		Wave ht: 0	ft (m) (circle)							
Samplers/FDEP: (NR) (MD) KW JB CC SC GS			Cld cover (%): 100	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
2.6	2.6	2.6	2.6	0935	0.5	28.7	30529	18.84	86.01	86.2	7.86
BOTTOM TYPE: seagrass mud sand hard bottom (UNK)				0937	1	28.9	31185	19.64	5.93	85.8	7.89
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	0938	2.1	29.0	34887	21.85	5.41	879.5	7.88
Depth (m)	Deck	0.5 m	1.0 m		3						
Reading:	60.899	29.651	17.894		4						
Time: 0936					5						
Depth (m)	Deck	1.5 0.5 m	2.0 1.0 m		6						
Reading:	60.760	8.1273	8.7403		7						
Time: 0939					Bottom Depth						
Depth (m)	Deck	0.5 m	1.0 m		Blank						
Reading:			Additional Comments & Observations:								
Time:			Light rain								
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 0929				Type	SID		
UW Shallow: 113.12 UW Deep: 88.245				Air: 75.052				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: 05/15/2019	Site# 404	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1015	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: 26.55114005		Lat: 26.55717		Wind dir/spd: 0 mph or knots (circle)							
Long: -81.93125964		Long: -81.92298		Wave ht: 0 ft (m (Circle))							
Samplers/FDEP: NR MD KW JB CC SC GS		Cld cover (%): 100		Hazy Clear Fog Rain							
Sampler Signature: [Signature]		Tide Level: LS 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	
1.1	1.1	1.1	1.1	Time: 1015	0.5	27.9	22.768	13.68	6.00	82.6	7.98
BOTTOM TYPE: seagrass (mud) sand hard bottom UNK											
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	1							
Depth (m)	Deck	0.5 m	1.0 m	2							
Reading:	105.73	63.093	33.137	3							
Time: 1011				4							
Depth (m)	Deck	0.5 m	1.0 m	5							
Reading:				6							
Time:				7							
Depth (m)	Deck	0.5 m	1.0 m	Bottom Depth							
Reading:				Blank							
Time:				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: 05/15/2019	Site# 450	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1200	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: 26.67694451		Lat: 26.67697		Wind dir/spd: 0 mph or knots (circle)							
Long: -81.83075754		Long: -81.83060		Wave ht: 0 ft (m) (circle)							
Samplers/FDEP: NR MD KW JB CC SC GS		Cld cover (%): 95		Hazy (circle) Clear (circle) Fog Rain							
Sampler Signature: [Signature]		Tide Level: LS		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	
1.7	0.9	0.8	0.85	Time: 1200	0.5	27.7	3975	2.10	5.28	67.8	7.81
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1							
PAR Data: (umol/m ² /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:	989.81	295.62	80.161	7							
Time: 1156				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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Site Storet Code:

Date: 05/15/2019	Site# 455	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1220	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: 26.69456879		Lat: 26.69453		Wind dir/spd: 0 mph or (knots) (circle)							
Long: -81.81447482		Long: -81.81446		Wave ht: 0 ft (Circle)							
Samplers/FDEP: NR MD KW JB CC SC GS		Cld cover (%): 90		Hazy Clear Fog Rain							
Sampler Signature: [Signature]		Tide Level: LS		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	
2.9	1.0	0.9	2.95	Time: 1220	0.5	28.3	2784	1.43	4.86	63.0	7.70
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1222	1	28.3	2789	1.44	4.78	61.9	7.65
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	1224	2	28.2	2772	1.43	4.67	60.4	7.63
Depth (m)	Deck	0.5 m	1.0 m	1226	2.4	28.2	2774	1.43	4.57	59.0	7.62
Reading:	1301.7	308.91	115.70		4						
Time: 1217					5						
Depth (m)	Deck	1.5 0.5 m	2.0 1.0 m		6						
Reading:	1285.9	100.96	24.929		7						
Time: 1218					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			
				Air:							

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 05/15/2019	Site# 462	Region: 1 2	Blank Time: 1300	Blank Storet Code:							
Time: 1245	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: 26.7002062		Lat: 26.70020		Wind dir/spd: 0 mph or knots (circle)							
Long: -81.78451731		Long: -81.78436		Wave ht: 0 ft (m (Circle))							
Samplers/FDEP: NR MD KW JB CC SC GS		Cld cover (%): 85		Hazy Clear Fog Rain							
Sampler Signature: [Signature]		Tide Level: LS		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	
5.5	1.1	1.0	1.05	Time: 1245	0.5	28.8	2179	1.11	6.95	90.7	7.95
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1246	1	28.7	2212	1.12	6.80	88.5	7.92
PAR Data: (umol/m²/s)				1247	2	28.7	2274	1.16	6.74	87.7	7.92
Air Sensor				1248	3	28.6	2312	1.18	6.26	81.5	7.88
Shallow In-Water Sensor				1250	4	28.5	2314	1.18	5.83	75.5	7.88
Deep In-Water Sensor				1252	5	28.4	2317	1.18	5.77	74.8	7.78
Depth (m)	Deck	0.5 m	1.0 m	6							
Reading:	945.64	263.57	78.149	7							
Time: 1241				Bottom Depth							
Depth (m)	Deck	1.5 0.5 m	2.0 1.0 m	Blank	26.9	1	0.00	7.64	95.8	7.11	
Reading:	927.35	148.19	29.322	Additional Comments & Observations: Sonde was too short to take bottom reading (5.0m depth)							
Time: 1243											
Depth (m)	Deck	2.5 0.5 m	3.0 1.0 m								
Reading:	980.17	13.593	4.6224								
Time: 1244											
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 1250				Type	SID		
UW Shallow: 2440.1				UW Deep: 2321.9				FLO			
				Air: 1816.3							

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