

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 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 / Miranda Carroll Chris Hormuth				Sample Collector Signature:				Analyses Required													
Relinquished By: (signature)		Date		Time		Received By: (signature)															
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: 1.2				NP		NPF		S		S		NP		ST							
Collection Date		Time		Sample Description & Location		Matrix (see codes)		# of Sample Containers Submitted						Lab ID #							
05/27/20		1010		CRNEP_RS #424		SWE		1		1		1		1		2		1		AE45027	
05/27/20		1055		CRNEP_RS #448		SWE		1		1		1		1		2		1		AE45028	
05/27/20		0945		CRNEP_RS #404		SWE		1		1		1		1		2		1		AE45029	
05/27/20		1125		CRNEP_RS #456		SWE		1		1		1		1		2		1		AE45030	
				CRNEP_RSBOT #456 NOT SAMPLED		SWE		1		1		1		1		2		1		AE45031	
05/27/20		1035		CRNEP_RS #443		SWE		1		1		1		1		2		1		AE45032	
05/27/20		1135		CRNEP_EQ # 456		SWE		1		1		1		1		2		1		AE45033	

**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: 05/27/2020	Site# 404	Region: 1 2	Blank Time:	Blank Storet Code:						
Time: 0945	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: 26.5659413		Lat: 26.56618		Wind dir/spd: 8 / SW mph or knots (circle)						
Long: -81.92142042		Long: -81.92142		Wave ht: 0.2 ft m (Circle)						
Samplers/FDEP: NR KW GS JB CC MC CH		Cld cover (%): 65		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
1.4	1.4	1.4	1.4 "S"	0.5	28.3	33669	21.02	5.82	84.0	7.72
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: 0942	600.48	252.96	168.15	6						
Depth (m)	Deck	0.5 m	1.0 m	7						
Reading:				Bottom Depth						
Time:				Blank						
Depth (m)				Additional Comments & Observations:						
Reading:										
Time:										
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 0940				Type	SID	
UW Shallow: 865.80 UW Deep: 803.46				Air: 784.40				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 CALOOSA HATCHEE DATA SHEET

Site Storet Code:

Date: <u>10/35 05/27/20</u>	Site# <u>443</u>	Region: 1 2	Blank Time:	Blank Storet Code:
Time: <u>1035</u>	Sonde: <u>SNEK</u>	3 4 5	DUP Time:	Duplicate Storet Code:
Collecting Agency: FDEP			Bottom Time:	Bottom Storet Code:
GPS Selected:	GPS Actual:	Weather Conditions:		
Lat: <u>26.65344812</u>	Lat: <u>26.65369</u>	Wind dir/spd: <u>SW 1.5</u> mph or <u>(circle)</u> knots (circle)		
Long: <u>-81.86322395</u>	Long: <u>-81.86333</u>	Wave ht: <u>0.1</u> ft <u>(m)</u> (Circle)		
Samplers/FDEP: <u>NR KW GS JB CC MC CH</u>		Cld cover (%): <u>75</u> Hazy <u>(circle)</u> Clear Fog Rain		
Sampler Signature: <u>[Signature]</u>		Tide Level: LS LR LF L=Low; M=Mid; H=High		
Water Depth & Secchi:		MR MF HR HS <u>(HF)</u> S=Slack, R=Rising, F=Falling		
Total Depth/m	Disappearance Depth/m	Reappearance Depth/m	Secchi Average/m	Water Data: (0.01)
<u>2.0</u>	<u>1.5</u>	<u>1.4</u>	<u>1.45</u>	Time: <u>1035</u>
BOTTOM TYPE: <u>seagrass mud</u> sand hard bottom UNK				Sample Depth (m)
PAR Data: (umol/m ² /s)				Water Temp. (°C)
Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor		Conductivity (mS/cm)
Depth (m)	Deck	0.5 m	1.0 m	Salinity (‰)
Reading:				Dissolved Oxygen (mg/l)
Time: <u>1032</u>	<u>1636.6</u>	<u>1185.1</u>	<u>382.69</u>	Dissolved Oxygen (%)
Depth (m)	Deck	<u>1.5</u> 0.5 m	<u>2.0</u> 1.0 m	pH
Reading:				
Time: <u>1034</u>	<u>1634.3</u>	<u>240.08</u>	<u>131.83</u>	
Depth (m)	Deck	0.5 m	1.0 m	
Reading:				
Time:				
Additional Comments & Observations: <u>Clouds moved during</u>				
<u>Am: LICOR readings 0 -</u>				
<u>full sun conditions</u>				
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Type
UW Shallow: UW Deep: Air:				FLO
				SID

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 05/27/2020	Site# 448	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1055	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: 26.67098235		Lat: 26.67101		Wind dir/spd: SW 15 mph or knots (circle)							
Long: -81.8552352		Long: -81.85519		Wave ht: 0.1 ft m (Circle)							
Samplers/FDEP: NR KW GS JB CC MC CH		Cld cover (%): 40		Hazy ☒ Clear ☐ Fog ☐ Rain ☐							
Sampler Signature: <i>Joel Reinfa</i>		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)							
1.8	1.4	1.3	1.35	Time:	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (‰)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
				1055	0.5	28.5	15609	9.06	7.38	100.1	8.28
				1056	1	28.5	15952	9.29	7.53	102.1	8.09
					2						
					3						
					4						
					5						
					6						
					7						
				1058	Bottom Depth 1.3	28.4	19849	11.77	4.27	58.6	7.89
					Blank						
Additional Comments & Observations:											
Pre/Post PAR readings; (Only on 1st & last sample of trip)											
UW Shallow:		UW Deep:		Time:				Type		SID	
				Air:				FLO			

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CCHMN TIDAL CALOOSA HATCHEE DATA SHEET

Site Storet Code:

Date: 05/27/2020	Site# 456	Region: 1 2	Blank Time: 1135	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: 26.68974699		Lat: 26.68974		Wind dir/spd: 0 mph or knots (circle)						
Long: -81.79700872		Long: -81.79701		Wave ht: 0.0 ft m (Circle)						
Samplers/FDEP: NR KW GS JB CC MC CH		Cld cover (%): 80		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
2.8	2.3	2.2	2.25	Time: 1125	0.5	32.1	7738	4.23	5.77	81.0 8.18
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1126	1	32.1	7748	4.24	5.72	80.2 8.12
PAR Data: (umol/m²/s)				1127	2	32.1	7710	4.21	5.70	NR 79.9 8.06
Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor		3						
Depth (m)	Deck	0.5 m	1.0 m	4						
Reading:				5						
Time: 1122	1957.2	847.26	633.33	6						
Depth (m)	Deck	1.5-0.5 m NR	2.0-1.0 m NR	7						
Reading:				1128	Bottom Depth 2.3	32.1	7708	4.21	5.67	79.6 8.06
Time:	1937.0	343.47	240.15		Blank	30.2	2	0.00	7.50	99.5 9.26
Depth (m)	Deck	0.5 m	1.0 m	Additional Comments & Observations: Clouds moved during ZICOR readings - full sun conditions						
Reading:										
Time:										
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 1130				Type	SID	
UW Shallow: 2641.3 UW Deep: 2499.5				Air: 2055.9				FLO		

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