

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

LCEL does not accept any samples used for evidentiary purposes

Lab Certification: E45049
LCEL F COC 20150828R1

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Report/Result Information

Billing/Invoice Information

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 Reistadt/Chris Hormuth-Kirby Wolfe

Sample Collector Signature:

Analyses Required

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)							
Relinquished By: (signature)	Date	Time	Received By: (signature)							
Preservatives (see codes)										

Sample(s) on ice ☒ Yes or ☐ No? Temperature °C: 0.9°C

NP NPF S S NP ST

Collection		Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
Date	Time									
08/31/20	1050	CRNEP_RS #405x	SWE	1	1	1	1	2	1	AE58028
08/31/20	1010	CRNEP_RS #387	SWE	1	1	1	1	2	1	AE58029
		CRNEP_RSBOT #387 Bottom DID NOT SAMPLE	SWE	1	1	1	1	2	1	AE58030
08/31/20	1120	CRNEP_RS #418	SWE	1	1	1	1	2	1	AE58031
08/31/20	0940	CRNEP_RS #386	SWE	1	1	1	1	2	1	AE58032
08/31/20	1140	CRNEP_RS #429	SWE	1	1	1	1	2	1	AE58033
08/31/20	1150	CRNEP_RSBOT #429 Bottom	SWE	1	1	1	1	2	1	AE58034
08/31/20	1200	CRNEP_EQ # @429	SWE	1	1	1	1	2	1	AE58035

**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: 08/31/2020	Site# 386	Region: 1 2	Blank Time:	Blank Storet Code:						
Time: 0940	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: 26.51750836		Lat: 26.51745		Wind dir/spd: NE SE/4 mph or knots (circle)						
Long: -81.987878561		Long: -81.98759		Wave ht: 0.05 ft (m) (Circle)						
Samplers/FDEP: NR KW GS JB CC MC CH			Cld cover (%): 40		Hazy	Clear	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	Sample Depth (m)	Water Temp. (°C)	Conductivity (mS/cm)	Salinity (‰)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
1.8	1.5	1.5	1.5	0.5	30.4	20555	12.20	5.8	73.5	8.44
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1	31.0	25991	15.78	4.19	61.6	8.17
PAR Data: (umol/m²/s)				2 1.3	30.3	20647	12.25	5.08	72.3	8.21
Depth (m)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	3						
Depth (m)	Deck	0.5 m	1.0 m	4						
Reading:				5						
Time: 0938	1360.7	288.86	96.423	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: 0937		Type		SID	
UW Shallow: 2102.9 UW Deep: 2044.5					Air: 1427.5		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: 08/31/2020	Site# 387	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1610	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: 26.5320491	Lat: 26.53279	Wind dir/spd: SE/4		mph or knots (circle)							
Long: -81.977887833	Long: -81.97792	Wave ht: 0.05		ft / m (Circle)							
Samplers/FDEP: NR KW GS JB CC MC CH		Cld cover (%): 35		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	
2.5	1.0	0.9	0.95	Time: 1016	0.5	30.4	17.171	10.03	5.44	76.5	8.50
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1011	1	30.4	17.659	10.35	5.42	76.4	8.21
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	1012	2	31.1	28.802	17.64	4.32	64.1	8.00
Depth (m)	Deck	0.5 m	1.0 m		3						
Reading:					4						
Time: 1014	1474.7	323.84	219.31		5						
Depth (m)	Deck	1.5 0.5 m NR	2.0 1.0 m NR		6						
Reading:					7						
Time: 1015	1493.7	78.785	62.867		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:				FLO			
				Air:							

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 08/31/2020	Site# 405x	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: 26.56540879		Lat: 26.56558		Wind dir/spd: SE/4 mph or knots (circle)							
Long: -81.915735290		Long: -81.91553		Wave ht: 0.05 ft (m) (Circle)							
Samplers/FDEP: NR KW GS JB CC MC CH		Cld cover (%): 40		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
1.9	0.7	0.6	0.65	1050	0.5	31.2	8693	4.80	4.10	56.9	8.88
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1051	1	31.2	8794	4.86	4.01	55.6	8.47
PAR Data: (umol/m²/s)				1052	1.4	31.2	8860	4.90	3.89	54.0	8.26
Air Sensor					3						
Shallow In-Water Sensor					4						
Deep In-Water Sensor					5						
Depth (m)					6						
Deck					7						
0.5 m					Bottom Depth						
1.0 m					Blank						
Reading:				Additional Comments & Observations:							
Time: 1054											
1620.6											
254.52											
98.178											
Depth (m)											
Deck											
0.5 m											
1.0 m											
Reading:											
Time:											
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 CALOOSA HATCHEE DATA SHEET

Site Storet Code:

Date: <u>11/20th 08/31/2020</u>	Site# <u>418</u>	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: <u>1120</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>26.59135491</u>		Lat: <u>26.59171</u>		Wind dir/spd: <u>SE/4</u> mph or knots (circle)							
Long: <u>-81.914943771</u>		Long: <u>-81.91463</u>		Wave ht: <u>0.1</u> ft m (Circle)							
Samplers/FDEP: <u>NR KW GS JB CC MC CH</u>		Cld cover (%): <u>65</u>		Hazy ☐ Clear ☒ Fog ☐ Rain ☐							
Sampler Signature: <u>[Signature]</u>		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
<u>1.7</u>	<u>0.7</u>	<u>0.7</u>	<u>0.7</u>	<u>1120</u>	<u>0.5</u>	<u>30.5</u>	<u>5208</u>	<u>2.78</u>	<u>5.03</u>	<u>68.1</u>	<u>9.06</u>
BOTTOM TYPE: <u>seagrass mud sand hard bottom UNK</u>				<u>1121</u>	<u>1</u>	<u>30.5</u>	<u>5233</u>	<u>2.79</u>	<u>5.00</u>	<u>67.8</u>	<u>8.58</u>
PAR Data: (umol/m ² /s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	<u>1122</u>	<u>1.2</u>	<u>30.5</u>	<u>5230</u>	<u>2.79</u>	<u>4.96</u>	<u>67.2</u>	<u>8.28</u>
Depth (m)	Deck	0.5 m	1.0 m		3						
Reading:	<u>2020.6</u>	<u>295.86</u>	<u>89.351</u>		4						
Time: <u>1124</u>					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						
Reading:				Additional Comments & Observations:							
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 CALOOSA HATCHEE DATA SHEET

Site Storet Code:

Date: 06/31/2020	Site# 429	Region: 1 2	Blank Time: 1200	Blank Storet Code:							
Time: 1140	Sonde: SNEK	3 4 5	DUP Time:	Duplicate Storet Code:							
Collecting Agency: FDEP			429 Bottom Time: 1150	Bottom Storet Code:							
GPS Selected:	GPS Actual:	Weather Conditions:									
Lat: 26.61987422	Lat: 26.62010	Wind dir/spd: SE/6 mph or knots (circle)									
Long: -81.895004632	Long: -81.89495	Wave ht: 0.1 ft (m) (Circle)									
Samplers/FDEP: NR KW GS JB CC MC CH		Cld cover (%): 70 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
3.4	0.6	0.5	0.55	1140	0.5	31.3	2977	1.53	5.95	80.4	8.50
				1141	1	30.9	3172	1.64	5.46	74.1	8.30
				1142	2	30.8	3222	1.67	5.32	71.9	8.20
					3						
					4						
					5						
					6						
					7						
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1150	Bottom Depth 2.9	30.8	3248	1.68	5.21	70.4	7.93
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: 1137	475.66	44.686	11.546								
Depth (m)	Deck	1.5 0.5 m NR	2.0 1.0 m NR								
Reading:											
Time: 1138	469.38	1.7554	0.49541								
Depth (m)	Deck	0.5 m	1.0 m								
Reading:											
Time:											
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 1139				Type	SID		
UW Shallow: 2934.1				UW Deep: 2728.2				FLO			
				Air: 2252.0							

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