

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 Reistad/Miranda Carroll/Chris Hornmuth		Sample Collector Signature: <i>[Signature]</i>		Analyses Required					
Relinquished By: (signature) <i>[Signature]</i>	Date 06/24/20	Time 14:36	Received By: (signature) <i>[Signature]</i>						
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)						

Sample(s) on ice ☒ Yes or ☐ No? Temperature °C: 1.9

NP NPF S S NP ST

Preservatives (see codes)

Collection Date	Time	Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
06/24/20	1000	CRNEP_RS #388 ✓	SWE	1	1	1	1	2	1	AE52062
	0935	CRNEP_RS #386 ✓	SWE	1	1	1	1	2	1	AE52063
	1110	CRNEP_RS #418 ✓	SWE	1	1	1	1	2	1	AE52064
	1125	CRNEP_RSBOT #418 Bottom	SWE	1	1	1	1	2	1	AE52065
	1200	CRNEP_RS #443 ✓	SWE	1	1	1	1	2	1	AE52066
	1025	CRNEP_RS #393 ✓	SWE	1	1	1	1	2	1	AE52067
	1215	CRNEP_EQ # @ 443	SWE	1	1	1	1	2	1	AE52068

**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: 06/24/2020	Site# 386	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: 26.5263476		Lat: 26.52626		Wind dir/spd: SE 1 ^{NR} 1 mph or (knots) (circle)							
Long: -81.98640029		Long: -81.98659		Wave ht: 0.1 ft (m) (Circle)							
Samplers/FDEP: (NR) KW GS JB CC MC CH				Cld cover (%): 30 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
2.3	2.2	2.2	2.2	0935	0.5	30.7	26398	15.98	5.93	86.4	8.42
BOTTOM TYPE: seagrass (mud) sand hard bottom UNK				0936	1	31.1	28,759	17.61	5.46	81.1	8.24
PAR Data: (umol/m²/s)				0937	2 1.8	31.4	41107	26.14	4.66	72.8	8.22
Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor			3						
Depth (m)	Deck	0.5 m	1.0 m		4						
Reading:	1047.0 ^{NR}	406.67	409.09		5						
Time: 0933	1047.0	409.09	406.67 ^{NR}		6						
Depth (m)	Deck	1.5 0.5 m ^{NR}	2.0 4.0 m ^{NR}		7						
Reading:					Bottom Depth						
Time: 0934	961.06	59.158	116.10		Blank						
Depth (m)	Deck	0.5 m	1.0 m	Additional Comments & Observations:							
Reading:											
Time:											
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 0932				Type		SID	
UW Shallow: 2112.9 UW Deep: 1978.1				Air: 1844.6				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: 06/24/2020	Site# 388	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1000	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: 26.52436862		Lat: 26.52426		Wind dir/spd: SE/2 mph or (knots) (circle)							
Long: -81.96627116		Long: -81.96625		Wave ht: 0.1 ft (m) (Circle)							
Samplers/FDEP: NR KW GS JB CC MC CH		Cld cover (%): 45		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	1.6	1.6	1.6	1000	0.5	31.5	25104	15.15	5.06	74.5	8.43
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1001	1	31.5	32067	19.85	4.81	72.7	8.28
PAR Data: (umol/m²/s)				1002	2/1.4	31.6	32612	20.22	4.39	66.6	8.21
Air Sensor					3						
Shallow In-Water Sensor					4						
Deep In-Water Sensor					5						
Depth (m)	Deck	0.5 m	1.0 m		6						
Reading:					7						
Time: 0906	880.02	341.22	232.54		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: 06/24/2020	Site# 393	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: 26.54318011		Lat: 26.54320		Wind dir/spd: SE/3 mph or knots (circle)							
Long: -81.97336866		Long: -81.97347		Wave ht: 0.2 ft (m) (Circle)							
Samplers/FDEP: NR KW GS JB CC MC CH		Cld cover (%): 45		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	31.5	26135	13.86	6.02	88.1	8.56 NR	
BOTTOM TYPE: seagrass ☒ mud ☒ sand ☒ hard bottom UNK				1						8.59	
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:				4							
Time: 1022	1101.9	528.23	277.96	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:		Type	SID			
UW Shallow:					UW Deep:		Air:	FLO			

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 06/24/2020	Site# 418	Region: 1 2	Blank Time:	Blank Storet Code:
Time: 1110	Sonde: SNEK	3 4 5	DUP Time:	Duplicate Storet Code:
Collecting Agency: FDEP			Bottom Time: 1125	Bottom Storet Code:
GPS Selected:	GPS Actual:	Weather Conditions:		
Lat: 26.58488239	Lat: 26.58515	Wind dir/spd: 0	mph or knots (circle)	
Long: -81.90672357	Long: -81.90688	Wave ht: 0.0	ft (m) (Circle)	
Samplers/FDEP: NR KW GS JB CC MC CH		Cld cover (%): 65	Hazy	Clear
Sampler Signature: [Signature]		Tide Level: LS	LR	LF
		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	
3.6	1.5	1.4	1.45	
BOTTOM TYPE: seagrass mud sand hard bottom UNK				
PAR Data: (umol/m ² /s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	
Depth (m)	Deck	0.5 m	1.0 m	
Reading:				
Time: 1108	1249.6	552.44	245.67	
Depth (m)	Deck	1.5 0.5 m NR	2.0 1.0 m NR	
Reading:				
Time: 1109	1283.5	190.47	112.32	
Depth (m)	Deck	0.5 m	1.0 m	
Reading:				
Time:				
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time:
UW Shallow:		UW Deep:		Air:
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Additional Comments & Observations:

ZICOR pole too short to take 2.5m/3.0m readings.

Type

SID

FLO

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Date: 06/24/2020		Site# 443		Region: 1 2		Blank Time: 1215		Site Storet Code:	
Time: 1200		Sonde: SNEK		3 4 5		Blank Storet Code:			
Collecting Agency: FDEP						DUP Time:		Duplicate Storet Code:	
GPS Selected:						Bottom Time:		Bottom Storet Code:	
GPS Actual:		GPS Actual:		Weather Conditions:					
Lat: 26.65701103		Lat: 26.65693		Wind dir/spd: SE/2 mph or knots (circle)					
Long: -81.86296902		Long: -81.86240		Wave ht: 0 ft m (Circle)					
Samplers/FDEP: NR KW GS JB CC MC CH						Cld cover (%): 30 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	
2.2				1.0		0.9		0.95	
BOTTOM TYPE: seagrass mud sand hard bottom UNK									
PAR Data: (umol/m ² /s)		Air Sensor		Shallow In-Water Sensor		Deep In-Water Sensor		pH	
Depth (m)		Deck		0.5 m		1.0 m			
Reading:									
Time: 1156		1095.9		260.54		102.93			
Depth (m)		Deck		1.5-0.5 m		2.0-1.0 m			
Reading:									
Time: 1157		1136.9		43.684		14.783			
Depth (m)		Deck		0.5 m		1.0 m			
Reading:									
Time:									
Additional Comments & Observations: Air sensor was out of calibration "J" qualifier: for the Post PAR readings NR									
Pre/Post PAR readings; (Only on 1st & last sample of trip)						Time: 1208			
UW Shallow: 2755.9		UW Deep: 2895.5		Air: 1868.9 "J"					
Lee Co Environmental Lab: Keith Kibbey or Mishel Mullan (239) 533-8600						Type		SID	
FWC: Sarah Erickson or Tony Yard (941) 613-0945						FLO			
FDEP: Kirby Wolfe (239) 470-0873						Page 5 of 5			

CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date:	Site#	Region: 1 2	Blank Time:	Blank Storet Code:
Time:	Sonde:	3 4 5	DUP Time:	Duplicate Storet Code:
Collecting Agency: FDEP			Bottom Time:	Bottom Storet Code:
GPS Selected:	GPS Actual:	Weather Conditions:		
Lat:	Lat:	Wind dir/spd: mph or knots (circle)		
Long:	Long:	Wave ht: ft m (Circle)		
Samplers/FDEP: NR KW GS JB CC MC CH		Cld cover (%): Hazy - Clear Fog Rain		
Sampler 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)
				Time: Sample Depth (m) Water Temp. (°C) Conductivity (mS/cm) Salinity (‰) Dissolved Oxygen (mg/l) Dissolved Oxygen (%) pH
BOTTOM TYPE: seagrass mud sand hard bottom UNK				0.5
PAR Data: (umol/m ² /s) Air Sensor Shallow In-Water Sensor Deep In-Water Sensor				1
Depth (m)	Deck	0.5 m	1.0 m	2
Reading:				3
Time:				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
UW Shallow: UW Deep: Air:				FLO
				SID

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