

LCEL

Lee County Environmental Laboratory
60-2 Danley Dr Ft 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

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): MaryAnn Dugan / Nicole Reistad		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	Mag2QT, 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: 0.9 °C				NP	NPF	S	S	NP	ST	

Collection Date	Time	Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
11/15/18	0935	CRNEP_RS #435	SWE	1	1	1	1	2	1	AD91632
+		CRNEP_RSBOT #435 Bottom	SWE	1	1	1	1	2	1	AD91633
11/15/18	1035	CRNEP_RS #449	SWE	1	1	1	1	2	1	AD91634
11/15/18	0915	CRNEP_RS #428	SWE	1	1	1	1	2	1	AD91635
11/15/18	1010	CRNEP_RS #442	SWE	1	1	1	1	2	1	AD91636
		CRNEP_RSBOT #442 Bottom	SWE	1	1	1	1	2	1	AD91637
11/15/18	1050	CRNEP_RS #454	SWE	1	1	1	1	2	1	AD91638
11/15/18	1100	CRNEP_EQ #BLANK	SWE	1	1	1	1	2	1	AD91639

**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: 11/15/2018	Site# 428	Region: 1 2	Blank Time:	Blank Storet Code:
Time: 0915	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: 26.63268817	Lat: 26.63258	Wind dir/spd: NE 15 mph or knots (circle)		
Long: -81.905339	Long: -81.90533	Wave ht: NE 0.5 ft m (Circle)		
Samplers/FWC: SE TY		Cld cover (%): 100 Hazy Clear Fog Rain		
Samplers/FDEP: NR MD KW GS SC JB CC		Tide Level: LS LR LF L=Low; M=Mid; H=High		
Sampler Signature: <i>Nayam</i>		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	pH
1.6	1.3	1.3	1.3	
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:				
Depth (m)	Deck	0.5 m	1.0 m	
Reading:				
Time:				
Depth (m)	Deck	0.5 m	1.0 m	
Reading:				
Time:				
Additional Comments & Observations:				
Pre/Post PAR readings: (Only on 1st & last sample of trip)				
UW Shallow: UW Deep: Air:				
Type				SID
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: 11/15/2018	Site# 435	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: 26.63811498	Lat: 26.63801		Wind dir/spd: NE / 5 mph or knots (circle)		
Long: -81.89570155	Long: -81.89570		Wave ht: 0.5 (ft) m (Circle)		
Samplers/FWC: SE TY	Samplers/FDEP: NR MD KW GS SC JB CC CR		Cld cover (%): 100 Hazy Clear Fog Rain		
Sampler Signature: <i>Christa Kist</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	Water Data: (0.01)		
Secchi Average/m					
2.4	1.3	1.2	1.25		
BOTTOM TYPE: seagrass mud sand hard bottom UNK			Time:	Sample Depth (m)	Water Temp. (°C)
			0935	0.5	26.3
				1	14.51
				2	NR
				3	8.49
				4	
				5	
				6	
				7	
				Bottom Depth	
				Blank	
PAR Data: (umol/m ² /s)			Additional Comments & Observations:		
Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor			
Depth (m)	Deck	0.5 m	1.0 m		
Reading:					
Time:					
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: Air:				FLO	

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 11/15/2018	Site# 442	Region: 1 2	Blank Time:	Blank Storet Code:
Time: 1010	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: 26.65826361	Lat: 26.65832	Wind dir/spd: NE 12 mph or knots (circle)		
Long: -81.86919262	Long: -81.86925	Wave ht: 0.0 ft m (Circle)		
Samplers/FWC: SE TY		Cld cover (%): 95 Hazy (circle) Clear (circle) Fog Rain		
Samplers/FDEP: (NR) (MD) KW GS SC JB CC (CR)		Tide Level: LS LR LF L=Low; M=Mid, H=High		
Sampler Signature: <i>Charles Mullan</i>		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	pH
1.7	1.4	1.3	1.35	8.30
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:				
Depth (m)	Deck	0.5 m	1.0 m	
Reading:				
Time:				
Depth (m)	Deck	0.5 m	1.0 m	
Reading:				
Time:				
Additional Comments & Observations:				
Pre/Post PAR readings; (Only on 1st & last sample of trip)				
UW Shallow:		UW Deep:		
Air:		Air:		
Type				SID
FLO				

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 11/15/2018	Site# 449	Region: 1 2	Blank Time:	Blank Storet Code:
Time: 1035	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: 26.67264788	Lat: 26.67253		Wind dir/spd: N/E 5 mph or (knots) (circle)	
Long: -81.84459692	Long: -81.84454		Wave ht: 0.2 ft m (Circle)	
Samplers/FWC: SE TY			Cld cover (%): 90 Hazy (circle) Clear (circle) Fog Rain	
Samplers/FDEP: (NR) (MD) KW GS SC JB CC (CR)			Tide Level: LS LR LF L=Low; M=Mid; H=High	
Sampler Signature: <i>Christie Thill</i>			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	
1.5	1.3	1.2	1.25	
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:				
Depth (m)	Deck	0.5 m	1.0 m	
Reading:				
Time:				
Depth (m)	Deck	0.5 m	1.0 m	
Reading:				
Time:				
Additional Comments & Observations:				
Pre/Post PAR readings; (Only on 1st & last sample of trip)				
Time:				
UW Shallow: UW Deep: Air:				
Type				SID
FLO				

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CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 11/15/2018	Site# 454	Region: 1 2	Blank Time: 1100	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: 26.68384856		Lat: 26.68371		Wind dir/spd: NE / 2 mph or (knots) (circle)						
Long: -81.82774325		Long: -81.82773		Wave ht: 0.2 (ft) m (Circle)						
Samplers/FWC: SE TY		Samplers/FDEP: (NR) (MD) KW GS SC JB CC (CR)		Cld cover (%): 90 Hazy (circle) Clear (circle) Fog Rain						
Sampler Signature: <i>[Signature]</i>		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	0.5	28.7	6360	3.44	6.02	79.2	8.12
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:				7						
Time:				Bottom Depth						
Depth (m)	Deck	0.5 m	1.0 m	Blank	24.7	1	0.00	8.62	103.7	6.85
Reading:				Additional Comments & Observations:						
Time:				Secchi visible on bottom						
Pre/Post PAR readings; (Only on 1st & last sample of trip)					Time:		Type		SID	
UW Shallow:					UW Deep:		Air:		FLO	

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