



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): Gary Snorek
MaryAnn Dugan/Nicole Reistadt Miranda Carroll

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, Enteroc	
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: 1.2°C

NP NPF S S NP ST

Collection		Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
Date	Time			NP	NPF	S	S	NP	ST	
06/19/19	1320	CRNEP_RS #429	SWE	1	1	1	1	2	1	AE14397
06/19/19	1150	CRNEP_RS #386	SWE	1	1	1	1	2	1	AE14398
06/19/19		CRNEP_RS #449 DID NOT SAMPLE	SWE	1	1	1	1	2	1	AE14399
06/19/19	1110	CRNEP_RS #326x	SWE	1	1	1	1	2	1	AE14400
06/19/19	1235	CRNEP_RS #419	SWE	1	1	1	1	2	1	AE14401
06/19/19	1245	CRNEP_RSBOT #419 Bottom	SWE	1	1	1	1	2	1	AE14402
06/19/19	1340	CRNEP_EQ #429	SWE	1	1	1	1	2	1	AE14403

**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: 06/19/19	Site# 326X	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:		Bottom Storet Code:	
GPS Selected:		GPS Actual:		Weather Conditions:		
Lat: 26.53221974		Lat: 26.53224		Wind dir/spd: NE 13 . mph or (knots) (circle)		
Long: -82.00838045		Long: -82.00852		Wave ht: 0 ft (m (circle))		
Samplers/FDEP: (NR) MD KW JB CC SC GS (MC)			Cld cover (%): 65 Hazy (circle) 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)	pH
2.9	2.9	2.9	2.9	0.5	28.5	7.74
BOTTOM TYPE: seagrass (mud) sand hard bottom UNK				1	28.5	7.77
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	2	28.6	7.81
Depth (m)	Deck	0.5 m	1.0 m	3		
Reading:	1762.3	1398.5	598.4	4		
Time: 1118	1488.4	1974.6	2326.9	5		
Depth (m)	Deck	1.5 0.5 m	2.0 1.0 m	6		
Reading:				7		
Time: 1120	1639.6	417.57	284.84	1113 Bottom Depth 2.4	28.6	7.82
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: 1113						
UW Shallow: 1974.6					UW Deep: 2326.9	
Air: 1488.4					Type 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: 06/19/19	Site# 386	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1150	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: 26.51765712	Lat: 26.51770		Wind dir/spd: E 15 mph or knots (circle)								
Long: -81.98917148	Long: -81.98924		Wave ht: 0 ft (m) (Circle)								
Samplers/FDEP: NR MD KW JB CC SC GS MC			Cld cover (%): 70 Hazy Clean 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	Water Data: (0.01)							
1.7	1.7	1.7	1.7	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				Time: 1150	0.5	28.6	29630	18.25	6.44	92.0	7.82
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: 1150	1805.4	1246.1	741.77								
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 CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 06/19/2019	Site# 419	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1235	Sonde: SNEK	3 4 5	DUP Time:	Duplicate Storet Code:							
Collecting Agency: FDEP			419B Bottom Time: 1245	Bottom Storet Code:							
GPS Selected:	GPS Actual:	Weather Conditions:									
Lat: 26.59980925	Lat: 26.59992	Wind dir/spd: SE / 5 mph or (knots) (circle)									
Long: -81.89787655	Long: -81.89782	Wave ht: 0.2 ft (m) (Circle)									
Samplers/FDEP: (NR) MD KW JB CC SC GS (MC)		Cld cover (%): 85 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
3.05	2.2	2.1	2.15	1235	0.5	29.1	11696	6.62	6.62	81.4	7.74
BOTTOM TYPE: seagrass mud sand hard bottom (UNK)				1236	1	29.0	12236	6.96	5.91	79.9	7.71
PAR Data: (umol/m²/s)				1237	2	29.0	16166	9.41	5.67	77.6	7.65
Air Sensor					3						
Shallow In-Water Sensor					4						
Deep In-Water Sensor					5						
Depth (m)					6						
Deck					7						
0.5 m				1245	Bottom Depth 2.55	29.0	16605	9.69	5.61	76.9	7.67
1.0 m					Blank						
Reading:				Additional Comments & Observations:							
Time: 1240											
609.38											
227.18											
134.76											
Depth (m)											
Deck											
1.5-0.5 m											
2.0-1.0 m											
Reading:											
Time: 605.63											
228.29											
126.94											
Depth (m)											
Deck											
2.5-0.5 m											
3.0-1.0 m											
Reading:											
Time: 790.71											
28.494											
17.754											
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: 06/19/2019	Site# 429	Region: 1 2	Blank Time: 1340	Blank Storet Code:							
Time: 1320	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: 26.63084304		Lat: 26.63105		Wind dir/spd: SE/10 mph or (knots) (circle)							
Long: -81.89160731		Long: -81.89159		Wave ht: 0.3 ft (m) (Circle)							
Samplers/FDEP: (NR) MD KW JB CC SC (GS) (MC)				Cld cover (%): 55 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
4.4	1.7	1.6	1.65	1320	0.5	29.3	7722	4.24	6.42	86.0	7.80
BOTTOM TYPE: seagrass mud sand hard bottom (UNK)				1321	1	29.2	7777	4.27	6.39	85.3	7.75
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	1322	2	29.2	12624	7.20	5.15	69.9	7.61
Depth (m)	Deck	0.5 m	1.0 m	1323	3	29.1	13726	7.88	5.30	72.1	7.63
Reading:					4	29.1	13729	7.88	5.28	71.8	7.64
Time: 1331	2121.8	1045.5	510.81		5	NR					
Depth (m)	Deck	1.5 0.5 m	2.0 1.0 m		6						
Reading:	2122.2	119.38	171.53	1324	Bottom Depth 3.9	29.1	13729	7.88	5.28	71.8	7.64
Time: 1332	2123.9	1219.3	536.03	1340	Blank	29.4	2	0.00	7.15	93.7	7.67
Depth (m)	Deck	2.5 0.5 m	3.0 1.0 m	Additional Comments & Observations:							
Reading:											
Time: 1333	2117.4	62.493	62.008								
Pre/Post PAR readings; (Only on 1st & last sample of trip)				Time: 1334				Type	SID		
UW Shallow: 2946.4 UW Deep: 2954.2				Air: 2095.7				FLO			

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Site Storet Code:

Date:	Site# 449	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: 26.67620424	Lat:		Wind dir/spd: mph or knots (circle)							
Long: -81.84286382	Long:		Wave ht: ft m (Circle)							
Samplers/FDEP: NR MD KW JB CC SC GS			Cld cover (%): Hazy Clear Fog Rain							
			Tide Level: LS LR LF L=Low; M=Mid, H=High							
Sampler 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
				Time: 0.5						
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1						
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:				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:		Air:				FLO		

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