

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

Page 1 of 1

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

Sample Collector Signature:

Analyses Required

Relinquished By: (signature)	Date	Time	Received By: (signature)	\$Chloro, _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)							

Sample(s) on ice ☒ Yes or ☐ No? Temperature °C: 0.6°C

NP NPF S S NP ST

Preservatives (see codes)

Collection Date	Time	Sample Description & Location	Matrix (see codes)	# of Sample Containers Submitted						Lab ID #
11/14/19	1135	CRNEP_RS #428	SWE	1	1	1	1	2	1	AE29970
11/14/19	1245	CRNEP_RS #455	SWE	1	1	1	1	2	1	AE29971
11/14/19	1220	CRNEP_RS #450	SWE	1	1	1	1	2	1	AE29972
11/14/19	1045	CRNEP_RS #395	SWE	1	1	1	1	2	1	AE29973
11/14/19	1005	CRNEP_RS #326x	SWE	1	1	1	1	2	1	AE29974
11/14/19	1300	CRNEP_EQ #455	SWE	1	1	1	1	2	1	AE29975

SAMPLES SHOULD BE IN WET ICE & LESS THAN 6° C (42.8°F)
OR THEY MAYBE QUALIFIED*

CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 11/14/2019	Site# 326X	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1005	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: 26.53061311		Lat: 26.53036		Wind dir/spd: NE 110 mph or knots (circle)							
Long: -82.00169504		Long: -82.00249		Wave ht: 0.3 0.2 ft (m) (Circle)							
Samplers/FDEP: NR MD KW JB CC SC GS MC		Cld cover (%): 90		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	
1.1	1.1	1.1	1.1	Time: 1005	0.5	23.3	39.50	24.45	6.58	89.0	7.25
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: 1007	1174.4	649.25	278.49	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: 1000				Type	SID		
UW Shallow: 1656.4 UW Deep: 1530.6				Air: 1328.6				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

Page 1 of 5

CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 11/14/2019	Site# 395	Region: 1 2	Blank Time:	Blank Storet Code:							
Time: 1045	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: 26.53413024	Lat: 26.53418		Wind dir/spd: NE/10			mph or knots (circle)					
Long: -81.94930283	Long: -81.95023 -81.94923		Wave ht: 0.3			ft (m) (Circle)					
Samplers/FDEP: NR MD KW JB CC GS MC			Cld cover (%): 95								
Sampler Signature: [Signature]			Tide Level: LS LR			Hazy Clear Fog Rain					
			MR MF HR HS			L=Low; M=Mid; H=High					
			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	
2.7	1.3	1.2	1.25	Time: 1045	0.5	23.2	31.510	19.63	7.05	92.3	7.82
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1046	1	23.2	31.996	19.97	7.01	91.9	7.82
PAR Data: (umol/m²/s)	Air Sensor	Shallow In-Water Sensor	Deep In-Water Sensor	1047	2	23.2	32.149	20.07	6.99	91.7	7.83
Depth (m)	Deck	0.5 m	1.0 m	1048	2.2	23.2	32.143	20.07	6.99	91.7	7.84
Reading:					4						
Time: 1042	710.14	209.71	87.998		5						
Depth (m)	Deck	1.5-0.5 m	2.0-1.0 m		6						
Reading:					7						
Time: 1044	791.74	68.417	26.347		Bottom Depth						
Depth (m)	Deck	0.5 m	1.0 m		Blank						
Additional Comments & Observations:											
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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Page 2 of 5

CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 11/14/2019	Site# 428	Region: 1 2	Blank Time:	Blank Storet Code:						
Time: 1135	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: 26.63328433	Lat: 26.63364		Wind dir/spd: NE/10 mph or (knots) (circle)							
Long: -81.91181888	Long: -81.91128		Wave ht: 0.3 ft (circle)							
Samplers/FDEP: NR MD KW JB CC SC GS MC			Cld cover (%): 95 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
0.7	0.7	0.7	0.7	0.5	23.7	24107	14.63	7.42	95.4	7.59
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	0.2 0.5 m NR	0.7 1.0 m NR	3						
Reading:				4						
Time: 1131	1118.2	384.72	120.40	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: not deep enough to take LICOR reading at 0.5 & 1.0 m. Had to take reading at 0.2 & 0.7 m.						
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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Page 3 of 5

CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 11/14/2019	Site# 450	Region: 1 2	Blank Time:	Blank Storet Code:						
Time: 1220	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: 26.6833084	Lat: 26.68347	Wind dir/spd: NE/10 mph or (knots) (circle)								
Long: -81.83222848	Long: -81.83251	Wave ht: 0.2 ft (m) (circle)								
Samplers/FDEP: (NR) MD KW JB CC GS MC		Cld cover (%): 90 Hazy (circle) Clear (circle) Fog Rain								
Sampler Signature: [Signature]		Tide Level: LS (circle) LR (circle) 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 (°/oo)	Dissolved Oxygen (mg/l)	Dissolved Oxygen (%)	pH
1.4	0.8	0.7	0.75	Time: 1220	0.5	26.3	13063	7.50	6.74	87.2
BOTTOM TYPE: seagrass mud sand hard bottom UNK				1						7.61
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: 1216	1461.6	222.48	54.012	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: 1216 NR				Type	SID	
UW Shallow:		UW Deep:		Air:				FLO		

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Page 4 of 5

CCHMN TIDAL CALOOSAHATCHEE DATA SHEET

Site Storet Code:

Date: 11/14/2019	Site# 455	Region: 1 2	Blank Time: 1300	Blank Storet Code:							
Time: 1245	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: 26.69854096	Lat: 26.69867		Wind dir/spd: NE/10 mph or (knots) (circle)								
Long: -81.81081779	Long: -81.81071		Wave ht: 0.1 ft (m) (Circle)								
Samplers/FDEP: NR MD KW JB CC SC GS (MC)			Cld cover (%): 85 Hazy (circle) Clear (circle) Fog Rain								
Sampler Signature: [Signature]			Tide Level: LS (circle) LR (circle) 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)							
1.3	0.9	0.8	0.85	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: 1245	0.5	26.0	10970	6.21	6.52	83.3	7.38
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: 1243	1467.3	204.18	46.672								
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: 1247				Type	SID		
UW Shallow: 1265.8 NR UW Deep: 1691.6				Air: 1265.8				FLO			

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