

Charlotte Harbor Aquatic Preserves - Seagrass Monitoring Data Sheet

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Date: 11/27/2013	Wind Dir: N / NE / NW / S / SE / SW / E / W	Observers: CL, NR, VB, GS, MC	Tide Start: 1.3 FT <u>11</u> MHW
Site # CR04	Wind Sp: Calm / 0-4 / 5-10 / 11-15 / 16-20 / >20	Compass Heading: 150°	Tide End: 0.9 FT <u>11</u> MHW
Offset from Flagging	Seas: Calm / R / LC / MC / HC	Site Comments: Right of Aussie Pine, left of High Pine	
Flagging	Cloud Cover %: 0 / 1-25 / 26-50 / 51-75 / 76-99 / 100	Pvc Pipe is flag	

Station (m)	Repeat Quad (y/n)	Stake Found (y/n)	Time	Depth (cm)	Sediment	Total Abund	Species	Species Abund	Shoot Count	Blade Lengths (5) (cm)	Epi Density	Epi Type	Bed	Flagging stake?	Flagging?	Comments
22	N	Y	10:50	30	3	1	H	1	210	15 6 12 11 9	3	AA	B			
0	Y	Y	10:59	40	3	1	H	1	125	15 16 5 6 10	3	AA	M			
25	Y	Y	11:05	80	3	1	H	1	85	16 10 9 12 4	4	AA	M			
50	Y	Y	11:15	100	3	1	H	1	33	5 6 4 10 12	4	AA	M			
75	Y	Y	11:26	135	3	1	H	1	7	15 8 6 6 6	4	AA	M			Real mushy acc to Nicole
100	Y	Y	11:38	160		N0	SAV									
93	N	N	11:42	150	4	+	H	+	3	10 15 9	4	AA	E			
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Water Chemistry Sonde:	WQ Depth (m)	DO (mg/l)	Salinity (ppt)	Temp (°C)	Secchi (m)	Location along transect	Snorkelers start time end time	Divers start time end time	Data Recorder
	Time								Chase Lenzy

Species: (H) Halodule, (R) Ruppia, (T) Thalassia, (S) Syringodium, (HE) Halophilla, (AA) Attached Algae, (DA) Drift Algae
 BB Abundance cover: r = solitary, + = few, 1 = < 5%, 2 = 5-25%, 3 = 26-50%, 4 = 51-75%, 5 = 76-100%
 Epiphyte Density: 1 = clean / none, 2 = light, 3 = moderate, 4 = heavy
 Sediment: 1 = shelly sand, 2 = sand, 3 = muddy sand, 4 = muck

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Date: 8/22/2019	Wind Dir: N/NE/NW/S/SE/SW/E/W	Observers: CC, MD, NR	Tide Start: 1.2 FT MHW
Site # CROS	Wind Sp: Calm / 04/5-10 / 11-15 / 16-20 / >20	Compass Heading: 312° NE NW	Tide End: 1.5 FT MHW
Offset from Flagging: 11.9 m	Seas: Calm / R/LC/MC/HC	Site Comments: Line up w/ horse w/ 2 chimneys across river perpendicular to shore from USGS station and depth gauge	
Cloud Cover %: 0/1-25/26-50/51-75/76-99/100			

Station (m)	Repeat Quad (y/n)	Stake Found (y/n)	Time	Depth (cm)	Sediment	Total Abund	Species	Species Abund	Shoot Count	Blade Lengths (5) (cm)	Epi Density	Epi Type	Bed	Flagging stake?	Comments
-9.6	N	N	11:55	50	3	1	H	1	97	5 6 6 11 7	1	/	B		
0	Y	Y	12:05	55	3	1	H	1	48	4 4 4 5 6	1	/	M		
25	Y	Y	12:10	65	3	1	H	1	97	4 2 5 6 7	1	/	M		
50	Y	Y	12:18	65	3	1	H	1	135	8 13 12 5 11	2	ENC	M		
100	Y	Y	12:34	80	4	1	H	1	72	8 25 14 12 16	2	ENC	M		
136	N	N	12:50	115	4	1	H	1	6	15 14 9 10 12	1	/	E		
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			:												

Water Chemistry	WQ Depth (m)	DO (mg/l)	Salinity (ppt)	Temp (°C)	Secchi (m)	Location along transect	Snorkelers MD, NR	Divers	Data Recorder
Sonde:							start time end time	start time end time	
Time :							1:50 1:50		CC
							1:50 1:50		

Species: (H) Halodule, (R) Ruppia, (T) Thalassia, (S) Syringodium, (HE) Halophila, (AA) Attached Algae, (DA) Drift Algae
BB Abundance cover: r = solitary, + = few, 1 = < 5%, 2 = 5-25%, 3 = 26-50%, 4 = 51-75%, 5 = 76-100% Bed: B = Beginning, M = Middle, E = End
Epiphyte Density: 1 = clean / none, 2 = light, 3 = moderate, 4 = heavy Sediment: 1 = shelly sand, 2 = sand, 3 = muddy sand, 4 = muck

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FDEP Charlotte Harbor Aquatic Preserves (941) 575-5861
Revised 02/06/14

Record # _____ Site ID # _____
Data Entered by: _____

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FDEP Charlotte Harbor Aquatic Preserves (941) 575-5861
Revised 02/06/14

Record # _____ Site ID # _____
Data Entered by: _____

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Date: 12/5/2019	Wind Dir: N / NE / NW / S / SE / SW / E / W	Observers: KW DRGS MC	Tide Start: 11:41 AM	MHW
Site # SC03	Wind Sp: 0-4	Compass Heading: 290° L of Manatee	Tide End: 11:10 AM	MHW
Offset from Flagging: 23 m	Seas: Calm	Site Comments: 10:40 arrived off wall between 6m + 7m horizontal line from east of bridge ref stake @ 75m		
	Cloud Cover %: 0 / 1-25 / 26-50 / 51-75 / 76-99 / 100			

Station (m)	Repeat Quad (y/n)	Stake Found (y/n)	Time	Depth (cm)	Sediment	Total Abund	Species	Species Abund	Shoot Count	Blade Lengths (5) (cm)	Epi Density	Epi Type	Bed	Flagging stake?	Flagging?	Comments
-17.1			10:50	20	2	1	H	2	1	8	2	Alg	B			
0	Y	Y	10:59	40	2	1	H	1	91	6 8 9 9	3	Alg	M			
50	Y	Y	11:23	135	4	1	S	1	38	11 14 15 14 12	2	Alg	M			
50	Y	Y	11:23	135	4	1	T	1	37	21 24 24 23 25	2	Alg	M			
100	Y	Y	11:44	215	4	1	No	1	5	5						bottom very hard
97	N	N	11:55	175	4	1	T	1	15	25 12 18 10 15	2	Alg	E			
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Water Chemistry	WQ Depth (m)	DO (mg/l)	Salinity (ppt)	Temp (°C)	Secchi (m)	Location along transect	Snorkelers start time end time	Divers start time end time	Data Recorder
Sonde:							10:50 11:00		MC
Time							total depth		
Species: (H) Halodule, (R) Ruppia, (T) Thalassia, (S) Syringodium, (HE) Halophila, (AA) Attached Algae, (DA) Drift Algae									
BB Abundance cover: r = solitary, + = few, 1 = < 5%, 2 = 5-25%, 3 = 26-50%, 4 = 51-75%, 5 = 76-100% Bed: B = Beginning, M = Middle, E = End									
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