

**MINUTES
SOUTH GULF COVE WATERWAY
MUNICIPAL SERVICE BENEFIT UNIT**

**ADVISORY BOARD REGULAR MEETING
WEDNESDAY, DECEMBER 14, 2022**

**9:30 am – 12:53 pm
Centennial Park Recreation Center
1120 Centennial Boulevard, Port Charlotte, FL**

Board Members: Jenna Ginsberg, Chair
David Gervais, Vice Chair
Thomas Merek
Patrick Gilchrist
Michael Harkins

Members Absent: Thomas Merek, sent apologies

County Staff: Kimberly Kelley, Community Liaison
Zach Patchell, Project Manager
Brandon Moody, Water Quality Manager
Tome Shaaltiel, Charlotte Harbor Environmental Tech (CHEC)
Matt Logan, Project Manager

Guests: Sign in sheet attached

Call to Order / Roll Call:

The meeting was called to order at 9:30 a.m. A roll call was taken, and a quorum was present.

Changes to Agenda/ Motion to Approve Changes:

None

Citizen Input on Agenda Items (3 Minute Limit):

None

Approval of Minutes:

Mr. Harkins motioned to change the incorrect spelling of Michael Kerbs last name to Krebs, seconded by Mr. Gilchrist, and the June 29, 2022, minutes were unanimously approved with changes.

Unfinished Business:

- a) CHEC Presentation: Tome Shaaltiel from the Charlotte Harbor Environmental Center provided information regarding water quality testing. (Presentation attached)
 - b) Water Quality: Mr. Moody explained the South Gulf Cove monitoring dashboard on the One Charlotte One Water webpage that is accessible on the Charlotte County website; www.charlottecountyfl.gov. It was noted that the West Charlotte Stormwater MSBU does fund water quality testing for all of west county. The Advisory Board unanimously approved that citizen input be opened.
 - Donald Shaurette provided a general statement regarding the water quality in South Gulf Cove.
 - Michael Bedmar inquired on the water quality after Hurricane Ian.
 - Dan Bonis recommended more locations for water testing.
 - John Osanitsch inquired on the target levels.
 - Anita Gross referenced a few locations recommended for testing.
- Citizen input was closed.

- c) Existing Lock Maintenance/Cameras: Ms. Kelley stated that installation of the cameras was on hold at this time as staff reviews easement accessibility, noting Hurricane Ian has delayed regular operations as Public Works is performing recovery and clean-up. Ms. Kelley conveyed that the field supervisor stated there are less incidents and calls for him and his staff to help resolve at the lock with the lock tenders.
- d) Parallel Lock/Lock Operation (tender/tender house): Mr. Patchell explained that the FWC (Florida and Wildlife Commission) are not recommending construction of a parallel lock after their review) regarding manatee deaths. Staff and the consultant DMK have responded and are setting up a meeting to discuss as the Director of Public Works recommends to move forward with the parallel lock design. Mr. Harkins inquired if the Army Core of Engineer (ACOE) could approve without FWC, Mr. Gilchrist asked when does staff anticipate feedback from ACOE, and Ms. Ginsberg provided her opinion on options that she felt could be viable as a side-by-side lock seems to be redundant and the lock tenders being present are successful. She explained the following options: remove the lock entirely, have the existing lock totally overhauled, which could lead to a closure for a period, complete the parallel lock or build a second lock that is bigger and remove the old lock. There was additional discussion on all options presented and will be discussed further during the next Advisory Board meeting.
- e) Interior Dredge/ Bathymetric Survey: Mr. Patchell provided estimates of an interior bathymetric survey and asked for recommendations. The Advisory Board discussed; Mr. Harkins motioned to approve \$50,000 for the interior bathymetric survey, seconded by Mr. Gilchrist and unanimously approved. Mr. Harkins pointed out a small boat in the turn basin and shoaling. Mr. Patchell explained that staff will be looking to request FEMA reimbursement for dredging.

New Business:

- a) Financial Reports: The fiscal year (FY) 2022 quarter four actual expenditure, activity maintenance and the adopted FY23 budgets reports were provided for review; there was discussion on the upcoming FY24/25 budgets, and new activity reports. Mr. Harkins provided the numbers of vacant and occupied lots in South Gulf Cove in comparison to vacant water lots and occupied water lots, explaining the growth to come. There was discussion of Harbor West paying into the MSBU, lock tender cost, supervision costs at the lock, signage, marine radios and uniformity on how the lock is operated.

Citizen Input on MSBU Items (3 Minute Limit):

- Anita Gross commented on the cost of moving forward with the parallel lock and the Presidential Waterway being included in the bathymetric survey.
- Tom Brown stated he is in favor of the current lock closing and a complete overhaul of the existing lock and is very happy with the lock tenders.
- Michael Krebs inquired on the utility lines to piggyback for cameras and noted damaged signage.
- Allan Ashby conveyed that boat covers and lanai screens are still in the canal and questioned when the waterway debris will be picked up.
- Peter Fisher stated that he was directed to email or call in to Public Works for locations of waterway debris.
- Paul Clemniar recommended community input on the parallel lock.
- Mark Vaccaro commented on citizen input and options to receive such input.

Advisory Board Open Discussion:

Mr. Patchell explained the waterway debris removal process and contract. Ms. Kelley explained the pros and cons of mail-in citizen input notices, noting that the meetings are publicly advertised in advance, encouraging Advisory Board members to seek input as they are representing the community. The Advisory Board will discuss community input during the next meeting and navigational trimming (bird island).

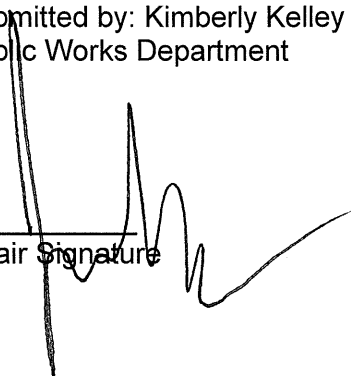
community. The Advisory Board will discuss community input during the next meeting and navigational trimming (bird island).

Schedule Meetings / Items for Next Agenda:

Future Meetings are scheduled at 9:30 a.m., in the West County Annex, Room 120 as follows:

- Wednesday, March 22, 2023
- Wednesday, June 14, 2023
- Wednesday, September 13, 2023
- Wednesday, December 6, 2023

Submitted by: Kimberly Kelley
Public Works Department


Chair Signature

3/22/2023
Date



**South Gulf Cove Waterway
Municipal Service Benefit Unit**

Advisory Board Meeting Attendance
9:30 a.m., Wednesday, December 14, 2022

Location: Centennial Park Recreation Center
1120 Centennial Blvd. Port Charlotte, FL 33953

**INFORMATION SUPPLIED ON THIS FORM
BECOMES PUBLIC RECORD**

NAME (please print)	Email Address	Phone Number
Kimberly Kelley	Kimberly.Kelley@charlottecountyfl.gov	941-575-3613
Jeff Raykos	jr@raykos.com	941-412-1293
Kathleen Harkins	-	941-416-6417
Michael Harkins	ON FILE	ON FILE
Erik Odroniec	Commodoreody@yahoo	586-359-3002
THOMAS YAROSIS	TYAROSIS@YAHOO.COM	203-233-4560
HENRY J WIELGOSZ JR	15635 RUSTON CIR	413 537-1656
TOM BROWN	15635 RUSTON CIR tomvbrown@yahoo.com	774 289 3638
JOHN OSAPITSCH	JOHN0@SELFSTARTER.COM	707-235-6200
MIKE KREBS	MDKREBS72@GMAIL.COM	410-428-5636
RICK ROTZOLL	RICKROTZOLL@GMAIL.COM	715-216-3692
Doug Lazerby	janheaddoug71@gmail	941-209-2444
Jim Krause	JKrause@gmail.com	585-261-3752
DAN BAEIS	chris@941.com	757-615-6844
Chris Rotzoll	chrisrotzoll@gmail.com	941-221-1662

NAME (please print)	Email Address	Telephone Number
Jenna Ginsberg	jenna@Homesyacht.com	
PAUL CIEMNIAK		
David McManus		
LINDA HANSON	ldgobdie@gmail.com	352-409-7600
RICK WHITE	WHITE.RICK24@GMAIL.COM	352-223-0700
MARK VACCARO		610-451-3370
JERRY BRU	STRAMGEWEL@GMAIL.COM	573 218 1435
Lee Owen	leeowen123@gmail.com	941-223-9707
Donald Shauvette	djs@donaldshauvette.com	941 406 684
Merry Shauvette	mcs@donaldshauvette.com	678 481 6579
Mite-cathy Checklick	14486 Fort Worth Circle	516315-5463
Mary Jane Fisher	15504 Aribé Ave PC	941-698-5053
Peter Fisher	" " " PC	"
DIK NOLAN	15452 LONGVIEW RD PC	845 518 1712
Anita Gross	9559 Honeymoon Dr PC	941-875-0422
Michael Bednar		941-575-5435
Tom Shauvette	tome@cheeflorida.org	941-475-0769
Ann Regan Jean	annreganjean@gmail.com	908-666-7004
Melissa Robinson	melissarobinson7@outlook.com	941-662-7556
Zach Padgett	zach.padgett@CharlotteCountyFL.gov	841 375 3609
AL Anasky	ahilly91202@yahoo	615 456 2338

NAME (please print)	Email Address	Telephone Number
DAVID BEZMAS	dgsygygy@gmail.com	

**INFORMATION SUPPLIED ON THIS FORM
BECOMES PUBLIC RECORD**

AGENDA

SOUTH GULF COVE WATERWAY MUNICIPAL SERVICE BENEFIT UNIT (MSBU)

ADVISORY BOARD REGULAR MEETING WEDNESDAY, DECEMBER 14, 2022

9:30 a.m., Centennial Park Recreation Center
1120 Centennial Blvd. Port Charlotte, FL 33953

BOARD MEMBERS: Jenna Ginsberg Chair
David Gervais, Vice Chair
Thomas Merek
Patrick Gilchrist
Michael Harkins

COUNTY STAFF: Kimberly Kelley

PURPOSE: Regular Meeting

1. Call to Order / Roll Call
2. Pledge of Allegiance
3. Changes to the Agenda / Motion to Approve Changes, if any
4. Citizen Input on Agenda Items (3-Minute Limit)
5. Approval of Minutes: June 29, 2022
6. Unfinished Business
 - a. CHEC Presentation
 - b. Water Quality
 - c. Existing Lock Maintenance / Cameras
 - d. Parallel Lock/ Lock Operation (tender/tender-house)
 - e. Interior Dredge/ Bathymetric Survey
7. New Business
 - a. Financial Reports
8. Citizen Input on MSBU Items (3-Minute Limit)
9. Advisory Board Open Discussion
10. Meeting Schedule / Items for Next Agenda
11. Motion to Adjourn

South Gulf Cove Waterway MSBU

Fund Financial Report

Oct. 1, 2021 - Sept. 30, 2022

Unaudited as of 9.30.22

	Actual FY2021	Adopted Budget FY2022	YTD Actual FY2022	Projected FY2022
Beginning Balance	\$3,524,386	\$3,551,336	\$3,617,336	\$3,617,336
Revenues				
Assessments & Earnings	261,598	506,549	462,762	506,549
Grant & Subsidy Revenue	-	75,000	75,000	75,000
Loans & Borrowing	-	-	-	-
Total Revenue	\$261,598	\$581,549	537,762	\$581,549
Expenditures				
Contract Services	2,091	-	1,800	-
Survey	-	15,000	-	15,000
Navigational Trimming	-	50,000	-	50,000
Public Works Services	43,386	71,647	115,326	71,647
Internal Charges	2,002	2,767	2,767	2,767
Purchased Services	4,052	11,097	10,822	11,097
Materials and Supplies	-	-	-	-
Capital Outlay	-	-	-	-
Debt Services	-	-	-	-
Project Costs				
SGC WW Maint. Dredging	28,290	273,000	110,255	154,000
SGC Parallel Lock	83,923	643,462	31,710	643,462
SGC WW Lock Repair	4,904	-	51,557	47,984
Total Expenditures	\$168,648	\$1,066,973	324,238	\$995,957
Reserves (Ending Fund Balance)	\$3,617,336	\$3,065,912	\$3,830,860	\$3,202,928
<i>Reserve %</i>	95.5%	74.2%	92.2%	76.3%

Date Prepared: 10/27/2022

Monthly MSBU Activity Report

START DATE: 7/1/2022 END DATE: 9/30/2022

PW-SGCWWM South Gulf Cove WW Bnfit Mtc

Project Number	WO Description	WO	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	UOM	Total Cost	
1220424	PW-SGCWWM SGC Waterway MS DR Annual Work Order		PW-SGCWWM	South Gulf Cove WW Bnfit Mtc	10-9866 MS DR	07/01/2022	2.50	188.65	0.00	0.00	0.00	2.50	LHR	188.65	
						07/06/2022	2.00	150.92	0.00	0.00	0.00	2.00	LHR	150.92	
						07/07/2022	0.50	37.73	0.00	0.00	0.00	0.50	LHR	37.73	
						07/08/2022	1.00	75.46	0.00	0.00	0.00	1.00	LHR	75.46	
						07/11/2022	0.50	37.73	0.00	0.00	0.00	0.50	LHR	37.73	
						07/12/2022	0.50	37.73	0.00	0.00	0.00	0.50	LHR	37.73	
						07/13/2022	0.50	37.73	0.00	0.00	0.00	0.50	LHR	37.73	
						07/14/2022	1.00	75.46	0.00	0.00	0.00	1.00	LHR	75.46	
						07/15/2022	0.25	18.87	0.00	0.00	0.00	0.25	LHR	18.87	
						07/20/2022	0.25	18.87	0.00	0.00	0.00	0.25	LHR	18.87	
						07/28/2022	0.25	18.87	0.00	0.00	0.00	0.25	LHR	18.87	
						08/09/2022	0.25	18.87	0.00	0.00	0.00	0.25	LHR	18.87	
						08/15/2022	0.25	18.87	0.00	0.00	0.00	0.25	LHR	18.87	
						08/18/2022	0.25	18.87	0.00	0.00	0.00	0.25	LHR	18.87	
						08/22/2022	0.25	18.87	0.00	0.00	0.00	0.25	LHR	18.87	
						09/01/2022	0.50	37.73	0.00	0.00	0.00	0.50	LHR	37.73	
						09/02/2022	1.50	113.19	0.00	0.00	0.00	1.50	LHR	113.19	
						09/06/2022	0.25	18.87	0.00	0.00	0.00	0.25	LHR	18.87	
						09/07/2022	0.50	37.73	0.00	0.00	0.00	0.50	LHR	37.73	
						09/09/2022	0.50	37.73	0.00	0.00	0.00	0.50	LHR	37.73	
						09/20/2022	0.25	18.87	0.00	0.00	0.00	0.25	LHR	18.87	
						09/23/2022	0.50	37.73	0.00	0.00	0.00	0.50	LHR	37.73	
							14.25	1,075.31	0.00	0.00	0.00	14.25	LHR	1,075.31	
							14.25	1,075.31	0.00	0.00	0.00	14.25	LHR	1,075.31	
MSDR Total															
Total WO Number: 1220424															
South Gulf Cove WW Bnfit Mtc															
C391204	1296263 PW-SGCWWM SGC Lock Feasibility Study c391204		PW-SGCWWM	South Gulf Cove WW Bnfit Mtc	93-9357D Project Management	07/01/2022	1.00	85.78	0.00	0.00	0.00	1.00	LHR	85.78	
						07/12/2022	0.50	42.89	0.00	0.00	0.00	0.50	LHR	42.89	
						07/13/2022	0.50	42.89	0.00	0.00	0.00	0.50	LHR	42.89	
						07/15/2022	1.00	85.78	0.00	0.00	0.00	1.00	LHR	85.78	
						07/19/2022	0.50	42.89	0.00	0.00	0.00	0.50	LHR	42.89	
						08/02/2022	1.00	85.78	0.00	0.00	0.00	1.00	LHR	85.78	
						08/03/2022	2.00	171.56	0.00	0.00	0.00	2.00	LHR	171.56	
						08/05/2022	1.00	85.78	0.00	0.00	0.00	1.00	LHR	85.78	
						08/18/2022	0.50	42.89	0.00	0.00	0.00	0.50	LHR	42.89	
						08/25/2022	0.50	42.89	0.00	0.00	0.00	0.50	LHR	42.89	
						09/15/2022	0.50	42.89	0.00	0.00	0.00	0.50	LHR	42.89	
						09/20/2022	0.50	42.89	0.00	0.00	0.00	0.50	LHR	42.89	
Project Management Total							9.50	814.91	0.00	0.00	0.00	9.50	LHR	814.91	
93-9351D Meetings															
						07/20/2022	1.00	85.78	0.00	0.00	0.00	1.00	LHR	85.78	
						07/26/2022	1.00	85.78	0.00	0.00	0.00	1.00	LHR	85.78	

Monthly MSBU Activity Report

START DATE: 7/1/2022 END DATE: 9/30/2022

PW-SGCWWM

Project Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	UOM	Total Cost
				Meetings Total	07/27/2022	1.00	85.78	0.00	0.00	0.00	1.00	LHR	85.78
				Total WO Number: 1296263		3.00	257.34	0.00	0.00	0.00	3.00	LHR	257.34
						12.50	1,072.25	0.00	0.00	0.00	12.50	LHR	1,072.25
C390708	1368634 PW-MSBU-W South Gulf Cove WW Dredging C390708	PW-SGCWWM	South Gulf Cove WW Bnft Mtc	93-9357D Project Management	08/19/2022	2.00	171.56	0.00	0.00	0.00	2.00	LHR	171.56
				Project Management Total		2.00	171.56	0.00	0.00	0.00	2.00	LHR	171.56
				Total WO Number: 1368634		2.00	171.56	0.00	0.00	0.00	2.00	LHR	171.56
1636915	South Gulf Cove WW "Routine" SGCWWM Locks-SGCWWM-STRUCT-PRI MARY	PW-SGCWWM	South Gulf Cove WW Bnft Mtc	10-9006D Lock Maint	07/05/2022	3.50	220.78	0.00	0.00	0.00	3.50	LHR	220.78
					07/06/2022	6.00	415.61	0.00	21.02	0.00	6.00	LHR	436.62
					09/26/2022	5.00	336.03	0.00	11.68	0.00	5.00	LHR	347.70
				Lock Maint Total		14.50	972.41	0.00	32.69	0.00	14.50	LHR	1,005.10
				10-9852D Supervision	07/01/2022	4.00	318.36	0.00	15.72	0.00	4.00	LHR	334.08
					07/06/2022	3.00	238.77	0.00	11.79	0.00	3.00	LHR	250.56
					07/08/2022	6.00	477.54	0.00	11.79	0.00	6.00	LHR	489.33
					07/11/2022	2.00	159.18	0.00	7.86	0.00	2.00	LHR	167.04
					07/16/2022	3.00	238.77	0.00	0.00	0.00	3.00	LHR	238.77
					07/26/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/01/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/03/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/04/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/05/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/08/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/09/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/10/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/11/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/12/2022	1.50	119.39	0.00	5.90	0.00	1.50	LHR	125.28
					08/15/2022	1.50	119.39	0.00	5.90	0.00	1.50	LHR	125.28
					08/17/2022	2.50	198.98	0.00	0.00	0.00	2.50	LHR	198.98
					08/18/2022	1.25	99.49	0.00	4.91	0.00	1.25	LHR	104.40
					08/19/2022	1.25	99.49	0.00	4.91	0.00	1.25	LHR	104.40
					08/22/2022	1.25	99.49	0.00	4.91	0.00	1.25	LHR	104.40
					08/23/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/24/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/25/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/26/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					08/29/2022	1.50	119.39	0.00	5.90	0.00	1.50	LHR	125.28
					08/30/2022	1.50	119.39	0.00	5.90	0.00	1.50	LHR	125.28
					08/31/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					09/01/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52

Monthly MSBU Activity Report

START DATE: 7/1/2022 END DATE: 9/30/2022

PW-SGCWWWI

Project	WO Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accomp.	JOM	Total Cost
						09/02/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/05/2022	2.50	198.98	0.00	0.00	0.00	2.50	LHR	198.98
						09/06/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/07/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/09/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/13/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/14/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/15/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/16/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/19/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/20/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/21/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/22/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/23/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
						09/26/2022	1.00	79.59	0.00	3.93	0.00	1.00	LHR	83.52
					Supervision Total		61.75	4,914.68	0.00	199.45	0.00	61.75	LHR	5,114.13
						07/27/2022	17.50	1,165.85	0.00	0.00	0.00	17.50	LHR	1,165.85
					10-9008D Lock Tender Opr	07/28/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						07/29/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						07/30/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						07/31/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/01/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/02/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						09/13/2022	6.00	378.48	0.00	0.00	0.00	6.00	LHR	378.48
					Lock Tender Opr Total		95.50	6,340.97	0.00	0.00	0.00	95.50	LHR	6,340.97
						07/02/2022	14.00	969.71	0.00	0.00	0.00	14.00	LHR	969.71
					10-9008D Lock Tender Opr	07/03/2022	17.00	1,125.95	0.00	0.00	0.00	17.00	LHR	1,125.95
						07/04/2022	14.00	998.62	0.00	0.00	0.00	14.00	LHR	998.62
						07/26/2022	11.00	732.82	0.00	0.00	0.00	11.00	LHR	732.82
						07/27/2022	0.50	33.31	0.00	0.00	0.00	0.50	LHR	33.31
						08/03/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/04/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/05/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/06/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/07/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/08/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/09/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/10/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/11/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/12/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/13/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/14/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/15/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/16/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44

Monthly MSBU Activity Report

START DATE: 7/1/2022 END DATE: 9/30/2022

PW-SGCWWM

Project	WO Number	WO Description	Equipment Code	Equipment Description	Location	Date Worked	Labor Hours	Labor Cost	Parts Cost	Equipment Cost	Contract or Cost	Work Accompl.	JOM	Total Cost
						08/17/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/18/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/19/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/20/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/21/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/22/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/23/2022	11.00	732.82	0.00	0.00	0.00	11.00	LHR	732.82
						08/24/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/25/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/26/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/27/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/28/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/29/2022	12.00	799.44	0.00	0.00	0.00	12.00	LHR	799.44
						08/30/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						08/31/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/01/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/02/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/03/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/04/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/05/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/06/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/07/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/08/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/09/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/10/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/11/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/12/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/13/2022	6.00	378.48	0.00	0.00	0.00	6.00	LHR	378.48
						09/14/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/15/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/16/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/17/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/18/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/19/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/20/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/21/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/22/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/23/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/24/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/25/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
						09/26/2022	12.00	756.96	0.00	0.00	0.00	12.00	LHR	756.96
							709.50	46,195.07	0.00	0.00	0.00	709.50	LHR	46,195.07
							881.25	58,423.13	0.00	232.14	0.00	881.25	LHR	58,655.27

Lock Tender Opr Total

Total WO Number: 1636915

Total MSBU: PW-SGCWWM

910.00

60,742.25

0.00

232.14

0.00

910.00 LHR

60,974.39

**ADOPTED
9.27.22**

CHARLOTTE COUNTY PUBLIC WORKS DIVISION
 FY 2022/23 BUDGET
 SOUTH GULF COVE WATERWAY BENEFIT UN - MTC. (WW)
 FUND # 1152
 ADOPTED WATERWAY WORK PROGRAM

ESTIMATED ERU'S - FY 22/23	WATERFRONT LOTS	4,659.73
ESTIMATED ERU'S - FY 22/23	DRY LOTS	9,754.00
ESTIMATED ERU'S - FY 22/23	Village of Holiday Lakes	551.00

		COST PER	
		ERU	TOTAL
PROJECTED FUND BALANCE - 10/1/22			\$ 3,947,025
ESTIMATED REVENUE	Wet & VHL	50.00	
	Dry Lots	25.00	507,383
FUNDS AVAILABLE			4,454,409
GRAND TOTAL MSBU WORK PROGRAM		\$ 117.52	1,146,328
BALANCE AFTER PROGRAM			3,308,081
OTHER CASH OUTFLOWS (TRANSFERS OUT)			-
PROJECTED FUND BALANCE - 9/30/23			\$ 3,308,081

TRANSFERS AND RESERVES SUMMARY

RESERVE FOR FUTURE CAPITAL OUTLAY	2,417,199
RESERVE FOR CONTINGENCY-REGULAR	445,441
RESERVE-CASH CARRIED FORWARD	445,441
<i>TOTAL TRANSFERS AND RESERVES</i>	3,308,081
TOTAL CASH OUTFLOWS AND RESERVES/BALANCES	\$ 4,454,409

Desired Minimum Fund Balance:	\$191,055
Allowable Fund Balance:	\$890,882

RATE HISTORY:	UNIT OF MEAS	COST PER UOM	PER 80' LOT
FY 2013/14 - WET Lots & VHL	ERU	\$ 25.00	\$ 25.00
FY 2013/14 - DRY Lots	ERU	\$ 12.50	\$ 12.50
FY 2014/15 - WET Lots & VHL	ERU	\$ 25.00	\$ 25.00
FY 2014/15 - DRY Lots	ERU	\$ 12.50	\$ 12.50
FY 2015/16 - WET Lots & VHL	ERU	\$ 25.00	\$ 25.00
FY 2015/16 - DRY Lots	ERU	\$ 12.50	\$ 12.50
FY 2016/17 - WET Lots & VHL	ERU	\$ 25.00	\$ 25.00
FY 2016/17 - DRY Lots	ERU	\$ 12.50	\$ 12.50
FY 2017/18 - WET Lots & VHL	ERU	\$ 25.00	\$ 25.00
FY 2017/18 - DRY Lots	ERU	\$ 12.50	\$ 12.50
FY 2018/19 - WET Lots & VHL	ERU	\$ 25.00	\$ 25.00
FY 2018/19 - DRY Lots	ERU	\$ 12.50	\$ 12.50
FY 2019/20 - WET Lots & VHL	ERU	\$ 25.00	\$ 25.00
FY 2019/20 - DRY Lots	ERU	\$ 12.50	\$ 12.50
FY 2020/21 - WET Lots & VHL	ERU	\$ 25.00	\$ 25.00
FY 2020/21 - DRY Lots	ERU	\$ 12.50	\$ 12.50
FY 2021/22 - WET Lots & VHL	ERU	\$ 50.00	\$ 50.00
FY 2021/22 - DRY Lots	ERU	\$ 25.00	\$ 25.00
FY 2022/23 - WET Lots & VHL	ERU	\$ 50.00	\$ 50.00
FY 2022/23 - DRY Lots	ERU	\$ 25.00	\$ 25.00

CURRENT MAXIMUM RATE	\$ 50.00
Totals may not add due to rounding.	

CHARLOTTE COUNTY PUBLIC WORKS DIVISION
 FY 2022/23 BUDGET
 SOUTH GULF COVE WATERWAY BENEFIT UN - MTC. (WW)
 FUND # 1152
 ADOPTED WATERWAY WORK PROGRAM

ADOPTED
9.27.22

<u>PUBLIC WORKS SERVICES</u>	<u>TOTAL EXP</u>
Maintenance Services	\$ 25,960
Equipment Replacement Charges	47,116
Signing & Marking Materials	-
Road/Drainage Maintenance Materials	-
Lighting Materials	
TOTAL PUBLIC WORKS SERVICES	73,076

<u>OTHER DIRECT COSTS</u>	
Central/Indirect Services Allocation	2,905
Advertising-Legal	
Utility Services/Electric	1,000
TOTAL OTHER DIRECT COST	3,905

<u>CONTRACT SERVICES</u>	<u>C/O \$</u>	<u>NEW \$</u>	
c390708 P/S - Design - Dredging			84-8490 219,680
c390708 C/S - Dredging			84-8486 157,075
c391204 C/S - Parallel Lock			84-8495 612,504
c391204 P/S - Parallel Lock			84-8490
C/S - Maint of Lock			84-8491 5,000
P/S - Maint of Lock			84-8490 -
C/S - Navigational Trim			84-8484 50,000
C/S - Boat Dock Rehab/Replacement			84-8495 -
C/S - Survey			84-8499 15,000
C/S - Aquatic Weed			84-8412 -
TOTAL CONTRACT SERVICES			1,059,259
TOTAL WORK PROGRAM			1,136,240
TAX COLLECTOR-COLLECTION FEE			10,088
DEBT SERVICES			Principal Pymts -
			Interest Pymts
GRAND TOTAL MSBU WORK PROGRAM			\$ 1,146,328

Budget by Single MSBU

Budget Year: 2023-BUDGET
MSBU Code: South Gulf Cove WW Bnfit Mtc

Department: All Departments
Activity: All Activities

WO #	Activity	Work Quantity	Work UOM	ADP	Crew Days	Crew Size	Labor Days	Labor Cost	Tool Cost	Parts Cost	Lump Sum	Budget Total
South Gulf Cove WW Bnfit												
1725953	10-5000-Brush Cut-Response	0.00	ICD	12.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00
1716595	10-5504-Herbiciding/M&O	0.00	SF	50,000.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.00
1726156	10-9006-Lock Maint	300.00	LHR	0.25	1,200.00	1.00	1,200.00	0.00	46,920.00	0.00	0.00	46,920.00
1717039	10-9852-Supervision	50.00	LHR	10.00	5.00	1.00	5.00	4,390.76	195.50	0.00	0.00	4,586.26
1717069	10-9866-MSDR	100.00	LHR	10.00	10.00	1.00	10.00	6,570.07	0.00	0.00	0.00	6,570.07
	Program 10 Totals:	450.00			1,215.00		1,215.00	10,960.83	47,115.50	0.00	0.00	58,076.33
1717765	70-7007-St Light Maint.	0.00	LITE	8.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
1717780	70-7027-Lighting Lock Maint.	0.00	LHR	12.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
	Program 70 Totals:	0.00			0.00		0.00	0.00	0.00	0.00	0.00	0.00
1717786	84-8412-Aquatic Weed Svcs	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1717795	84-8470-Water Quality Monitoring Svc	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1751761	84-8484-C/S Vegetation Removal	50,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50,000.00	50,000.00
1717944	84-8486-Contract Dredging	157,075.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	157,075.00	157,075.00
1718015	84-8490-Professional Engineer Svcs	832,184.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	832,184.00	832,184.00
1718070	84-8491-Oth Contr Svc 1 (See File)	5,000.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,000.00	5,000.00
1718110	84-8492-Oth Contr Svc 2 (See File)	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1718170	84-8495-Oth Contr Svc General	0.00	DOL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1718273	84-8499 - C/S Survey	15,000.00	DOL	0.00	0.00	1.00	0.00	0.00	0.00	0.00	15,000.00	15,000.00
	Program 84 Totals:	1,059,259.00			0.00		0.00	0.00	0.00	0.00	1,059,259.00	1,059,259.00
1718332	93-9357-Project Management	643.60	LHR	20.00	32.18	0.50	16.09	13,741.36	1,258.24	0.00	0.00	14,999.60
	Program 93 Totals:	643.60			32.18		16.09	13,741.36	1,258.24	0.00	0.00	14,999.60
1718513	96-9602-SW Wtr lvi record maint	0.00	LHR	10.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
1718531	96-9605-Stormwater Design Support	0.00	LHR	20.00	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
	Program 96 Totals:	0.00			0.00		0.00	0.00	0.00	0.00	0.00	0.00
	PW-SGCWWM Totals:	1,060,352.60			1,247.18		1,231.09	24,702.19	48,373.74	0.00	1,059,259.00	1,132,334.93

Capital Maintenance Schedule
Public Works - MSBU/TU Dredging
2023

Project Costs (in thousands)

<u>Project Name</u>	2023	2024	2025	2026	2027	2028	TOTAL
Alligator Creek - Entrance Channel	399	0	0	0	0	0	399
Buena Vista WW Maint. Dredging FY23	466	0	0	0	0	0	466
Don Pedro/Knight/Palm Island Re-nourishment	622	201	121	123	0	0	1,067
Gulf Cove WW Dredging	1,785	0	0	0	0	0	1,785
Harbour Heights WW Maintenance Dredging	65	0	0	0	0	0	65
Hayward Canal Dredging	201	155	0	0	0	0	356
Manasota Key Beach Nourishment	1,206	392	191	136	0	0	1,925
Manchester WW Maintenance Dredging FY22	732	0	0	0	0	0	732
NWPC Interior Channel Dredging FY22	741	0	0	0	0	0	741
NWPC Exterior Dredging	0	102	255	0	0	0	357
Pirate Harbor Dredging FY23	468	0	0	0	0	0	468
South Gulf Cove WW Maintenance Dredging	387	1,224	0	0	0	0	1,611
Stump Pass Maintenance Dredging	2,015	31	134	4,556	0	0	6,736
Suncoast WW Maintenance Dredging	0	0	0	0	0	0	0
TOTAL	9,088	2,105	700	4,815	0	0	16,708

Capital Maintenance Schedule
 Public Works - MSBU/TU Dredging Long Range Plan
 2023

<u>MSBU / MSTU Fund Name</u>	<u>Type of Dredge</u>	<u>Year Last Dredged</u>	<u>Dredging cycle/est. useful life</u>	<u>Planned Dredging Year</u>
Ackerman Waterway (done with Manchester WW)	Spot	2014	7	FY 2022
Alligator Creek Waterway	Entrance channel	2017	7	FY 2022
Buena Vista Waterway	Access channel and main canal	2016	7	FY 2023
Don Pedro/Knight Is Beach Renourishment	Renourishment	2020	8	FY 2028
Edgewater North Waterway	Maintenance	N/A	10	none scheduled
Gulf Cove Waterway	Exterior	2010	5	FY 2024
Gulf Cove Waterway	Interior	2019	10	FY22 & FY23
Harbour Heights Waterway	Canals and access channels	2017	7	FY 2022
Hayward Canal Waterway	Finger channels	2019	10	FY 2024
Hayward Canal Waterway	Main Channel	2019	5	FY 2022
Manchester Waterway	Spot	2014	7	FY 2022
North Manasota Key Beach Renourishment	Renourishment	2020	8	FY 2028
Northwest Port Charlotte Waterway	Exterior	2009	5	FY 2024
Northwest Port Charlotte Waterway	Interior	2014	10	FY 2022
Pirate Harbor Waterway	Interior	2013	7	FY 2023
South Bridge Waterway	Canals and access channels	2013	7	none scheduled
South Gulf Cove Waterway	Spot	2016	7	FY22 & FY24
Stump Pass Dredging	Channel and renourishment	2017	4	FY 2022
Suncoast Waterway	Canals and access channels	2014	7	none scheduled

FY2023 Capital Improvements Budget / FY 2023 - FY 2028 Project Detail Project No. **c391204**

GENERAL PROJECT DATA:		Status	In Progress	CONCURRENCY REQUIREMENTS:					
Project Title:	South Gulf Cove Parallel Lock	(Y/N)	No	Does project add new capacity?					
Functional Area:	Engineering, Dredging, Coastal Management			Is project required to maintain level of service:					
Department:	Public Works/Engineering			- Within 5 years? List project in CIE					
Location:	South Gulf Cove WW MSBU			- From 6 to 10 years? Monitor Annually					

PROJECT DESCRIPTION:
 Permitting, design and construction of an additional automated lock system and lock house for the lower end of the South Gulf Cove Waterway.

Funds were added to design, permit and construct a tenderhouse with the new lock.

The design of the project will be funded by assessments in the South Gulf Cove WW MSBU.

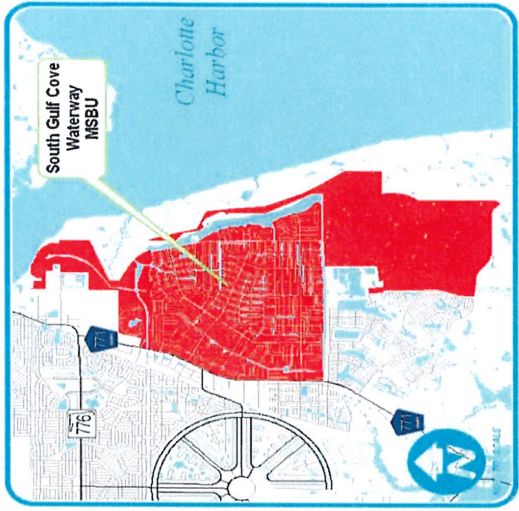
PROJECT RATIONALE (Include Additional LOS Detail, if necessary):
 The MSBU Committee is concerned about the congestion of the lock area being more than the current lock can handle.

They feel an additional parallel lock is needed in the SGC Waterway system.

REPLACEMENT COUNTY PROPERTY NO.:

OPERATING BUDGET IMPACT:
 The operating impact will be based on the annual maintenance plan that will be developed in coordination with construction.

	Prior Actual	Calc. for FY23		FY23	EXPENDITURE PLAN (000'S)					Total	
		Est FY22	Orig. Est c/o FY23 to FY23 New \$		FY24	FY25	FY26	FY27	FY28		FUTURE
Design/Arch/Eng	336		635	-22	613		1,000				1,949
Land (or ROW)	2		-2	2							2
Construction							11,500				11,500
Internal Costs	27	8	-5	20	15	10					60
Equipment											
Interest											
Other Fees & Costs											
Total Project Cost	365	8	628	628	628	12,510	12,510				13,510
FUNDING PLAN (000'S)											
MSBU/TU Assessments	365	8	628	628	628	12,510	12,510				13,510
Total Funding	365	8	628	628	628	12,510	12,510				13,510
LOAN REPAYMENT SCHEDULE (000'S)											
Total Loan Repayment											
OPERATING BUDGET IMPACT (000'S)											
Personal Svc.											
Non-personal Capital											
Total Operating											



SGC Waterway Bathymetric Survey Cost Estimate by Canal Option 1 Main Channels	Subdivision MSBU	Approx. Length (Ft.)	Price per foot	Estimated cost	Combined Cost
Interior Canals					\$ 46,708.50
Butterford from Lock into Butterfrod canal	SGC	9660	\$0.75	\$ 7,245.00	
Butterford from Entrance canal to interceptor lagoon	SGC	3147	\$0.75	\$ 2,360.25	
Interceptor lagoon to Zephyr Waterway	SGC	8634	\$0.75	\$ 6,475.50	
Zephyr form lagoon to Santa Cruz Waterway	SGC	11087	\$0.75	\$ 8,315.25	
Interceptor Lagoon from Zephyr to Stauton WW	SGC	4032	\$0.75	\$ 3,024.00	
Staunton WW	SGC	4955	\$0.75	\$ 3,716.25	
Lagoon from Staunton to Santa Cruz	SGC	6092	\$0.75	\$ 4,569.00	
S. Santa Cruz from Lagoon to Winnipeg	SGC	14671	\$0.75	\$ 11,003.25	
	SGC		\$0.75	\$ -	
	SGC		\$0.75	\$ -	
	SGC		\$0.75	\$ -	
Total		62278		\$ 46,708.50	
Exterior Access and Connector Channels	Subdivision MSBU	Approx. Length (Ft.)	Price per foot	Estimated cost	
	SGC		\$0.00	\$ -	
Total		0		\$ -	

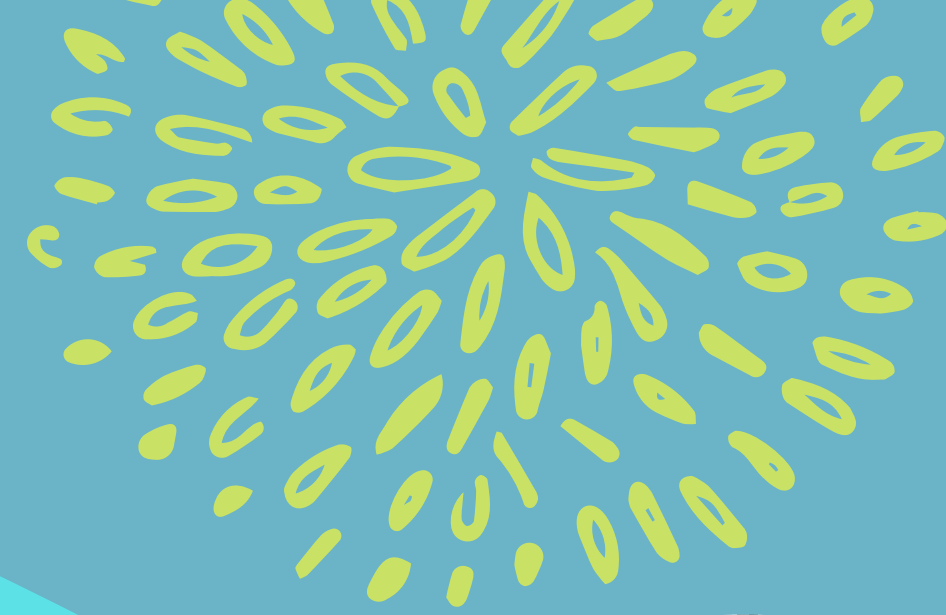
SGC Waterway Bathymetric Survey Cost Estimate by Canal Option 2 North Section	Subdivision MSBU	Approx. Length (Ft.)	Price per foot	Estimated cost	Combined Cost
Interior Canals					\$ 33,657.60
Butterford Entrance canal from Lock to interior	SGC	9660	\$1.20	\$ 11,592.00	
Butterford from Entrance canal to interceptor lagoon	SGC	3147	\$1.20	\$ 3,776.40	
Acquarius WW	SGC	4200	\$1.20	\$ 5,040.00	
Tate WW	SGC	3101	\$1.20	\$ 3,721.20	
Leipzig WW	SGC	1501	\$1.20	\$ 1,801.20	
Margo WW	SGC	2040	\$1.20	\$ 2,448.00	
Meachan WW	SGC	2795	\$1.20	\$ 3,354.00	
Chinook WW	SGC	1604	\$1.20	\$ 1,924.80	
	SGC		\$1.20	\$ -	
	SGC		\$1.20	\$ -	
	SGC		\$1.20	\$ -	
Total		28048		\$ 33,657.60	
Exterior Access and Connector Channels	Subdivision MSBU	Approx. Length (Ft.)	Price per foot	Estimated cost	
	SGC		\$0.00	\$ -	
	SGC		\$0.00	\$ -	
	SGC		\$0.00	\$ -	
	SGC		\$0.00	\$ -	
Total		0		\$ -	

SGC Waterway Bathymetric Survey Cost Estimate Option 3 Entire Interior System	Subdivision MSBU	Approx. Length (Ft.)	Price per foot	Estimated cost	Combined Cost
Interior Canals					\$ 187,187.00
Interior system from Lock	SGC	267,410	\$0.70	\$ 187,187.00	
	SGC		\$0.70	\$ -	
	SGC		\$0.70	\$ -	
	SGC		\$0.70	\$ -	
Total		267410		\$ 187,187.00	
Exterior Access and Connector Channels	Subdivision MSBU	Approx. Length (Ft.)	Price per foot	Estimated cost	
	SGC		\$0.00	\$ -	
	SGC		\$0.00	\$ -	
	SGC		\$0.00	\$ -	
	SGC		\$0.00	\$ -	
Total		0		\$ -	

Charlotte Harbor Environmental Center Presents:

SOUTH GULF COVE WATER QUALITY

2009 – 2022 UPDATE





Agenda

- **Water Monitoring Collected Data in the Past Year**

Presentation of all 5 locations data result measurements, including the new Dashboard.

- **Water Sampling Demonstration**

Demonstration of the different tests conducted while taking water samples.

- **Florida friendly landscaping recommendations**

Suggestions of different solutions that can prevent further water pollution in South Gulf Cove.


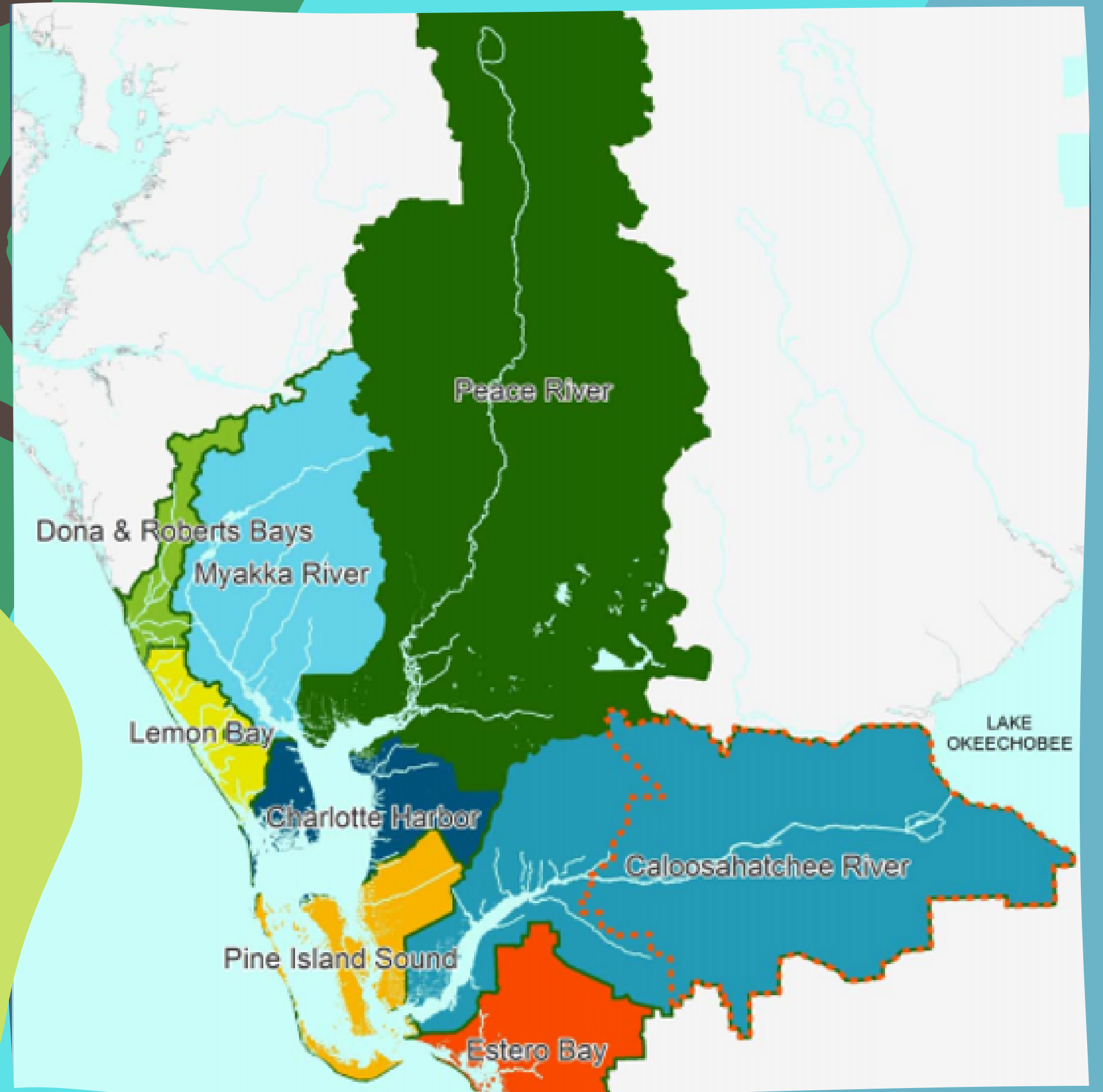


Photo Credit: CHNEP

<https://www.chnep.org/our-waters>

CHARLOTTE HARBOR WATERSHED

Why do we
monitor our
waterways?



SGC Sampling Stations

Designated as a Class III-Marine -defined as waters to be protected for the recreation, propagation, and maintenance of a healthy, well-balanced population of fish and wildlife.

- 1. Butterford
- 2. Zephyr
- 3. Interceptor
- 4. Staunton
- 5. Santa Cruz



Photo: J. Ott

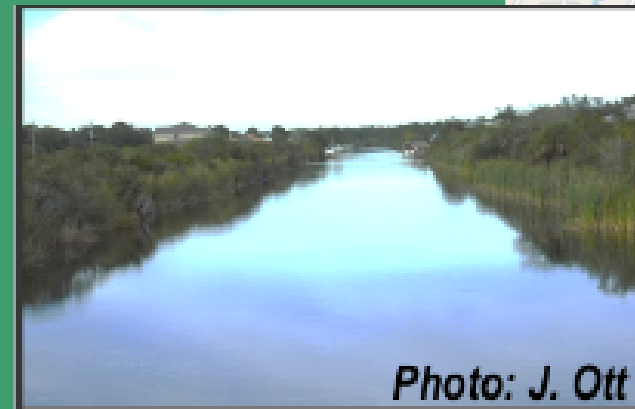


Photo: J. Ott



Photo: J. Ott

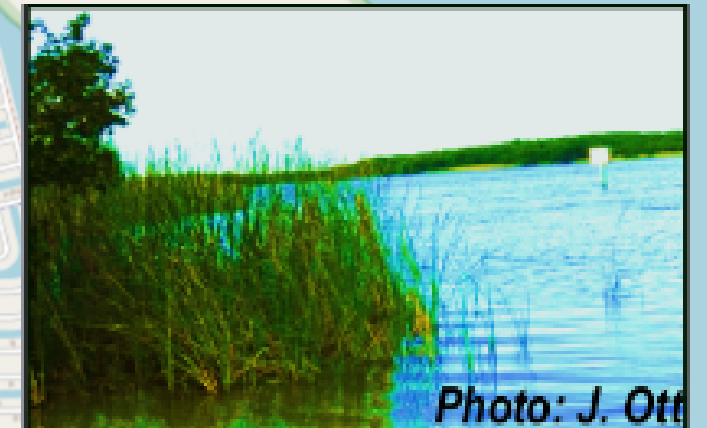


Photo: J. Ott

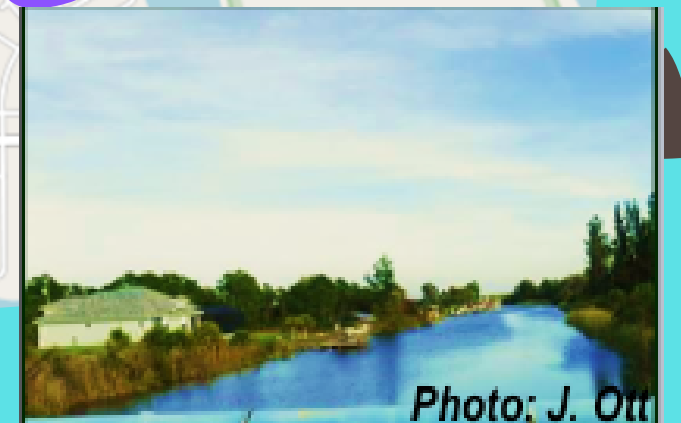
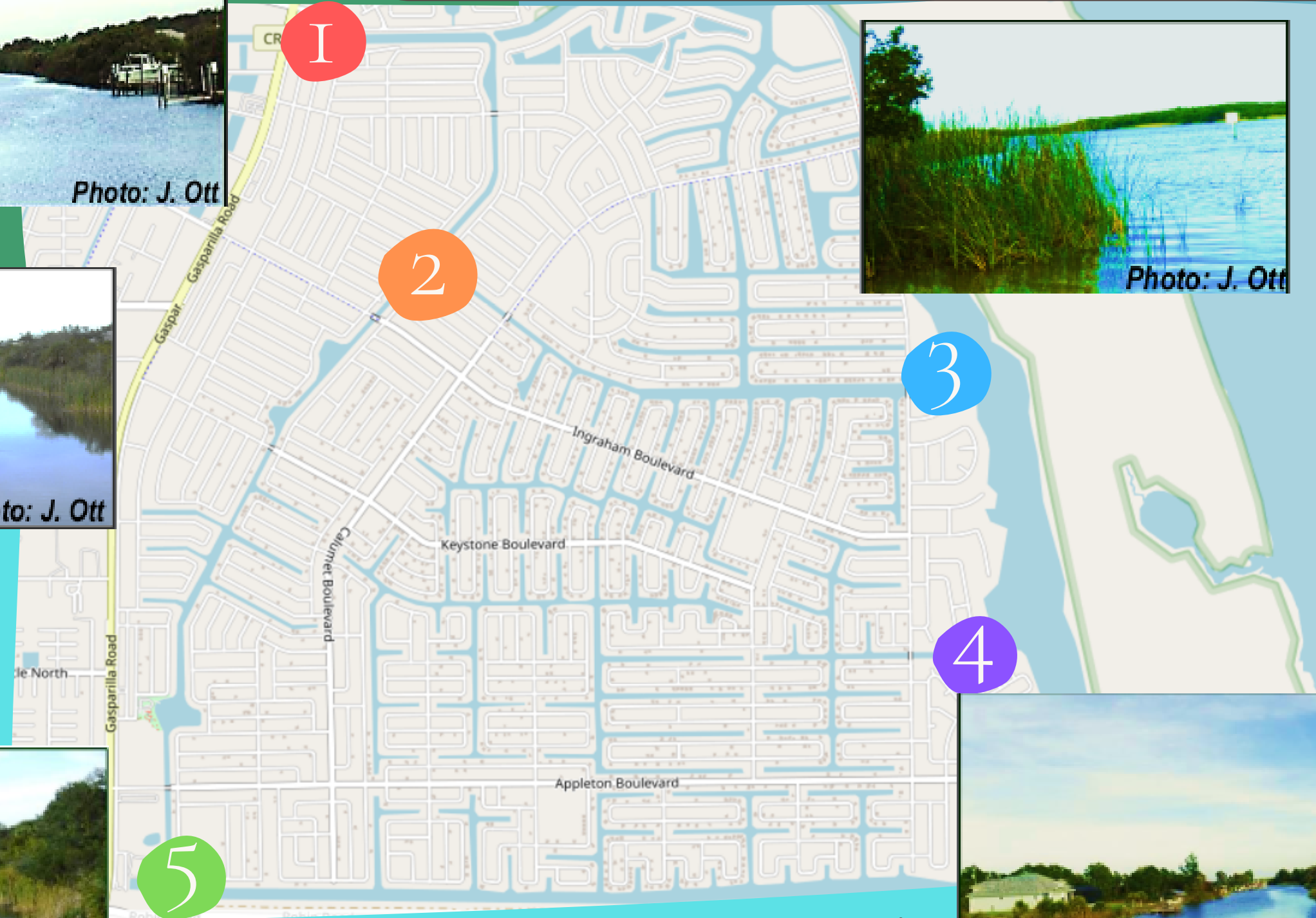


Photo: J. Ott



Water Quality Indicators

What do we measure?

Dissolved Oxygen

% Saturation, How much oxygen is available in the water?

PH

Acidity VS Alkalinity

Secchi Depth

Turbidity- How clear is the water?

Nutrients

Nitrogen and Phosphorus levels

Depth (ft)

Changes from season to season, tide, evaporation, rainfall and more

Fecal Coliforms

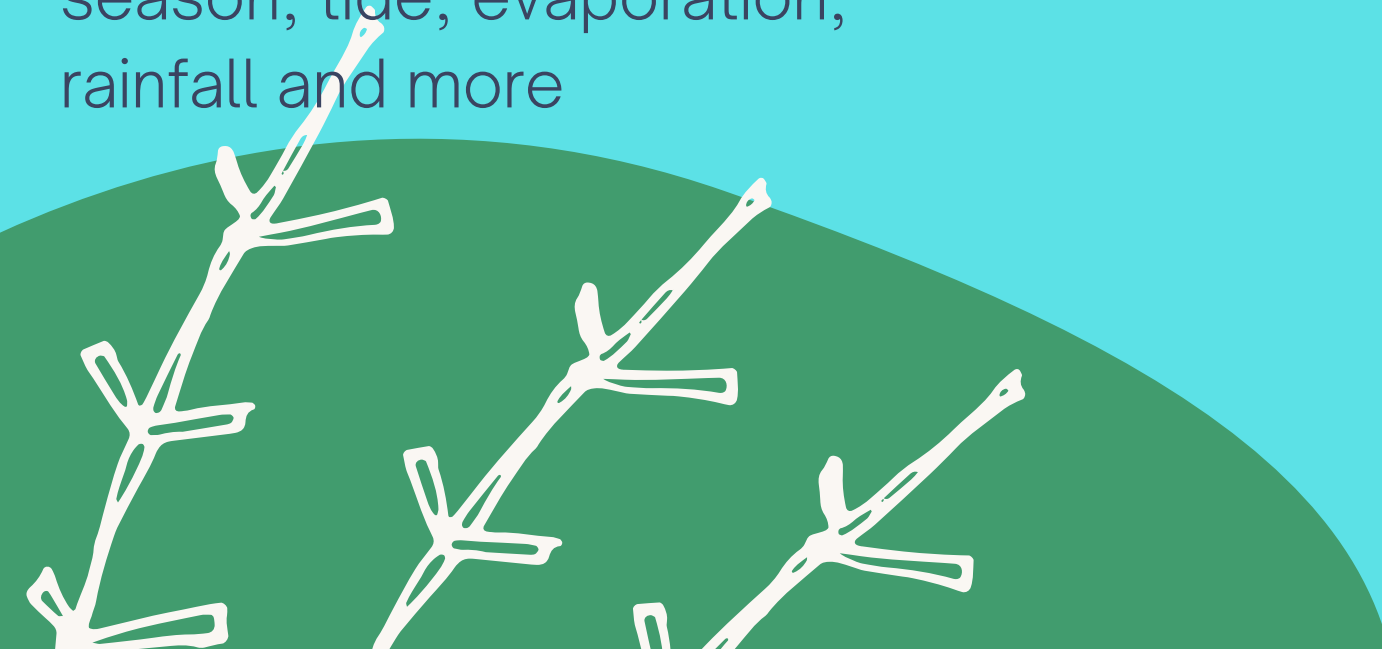
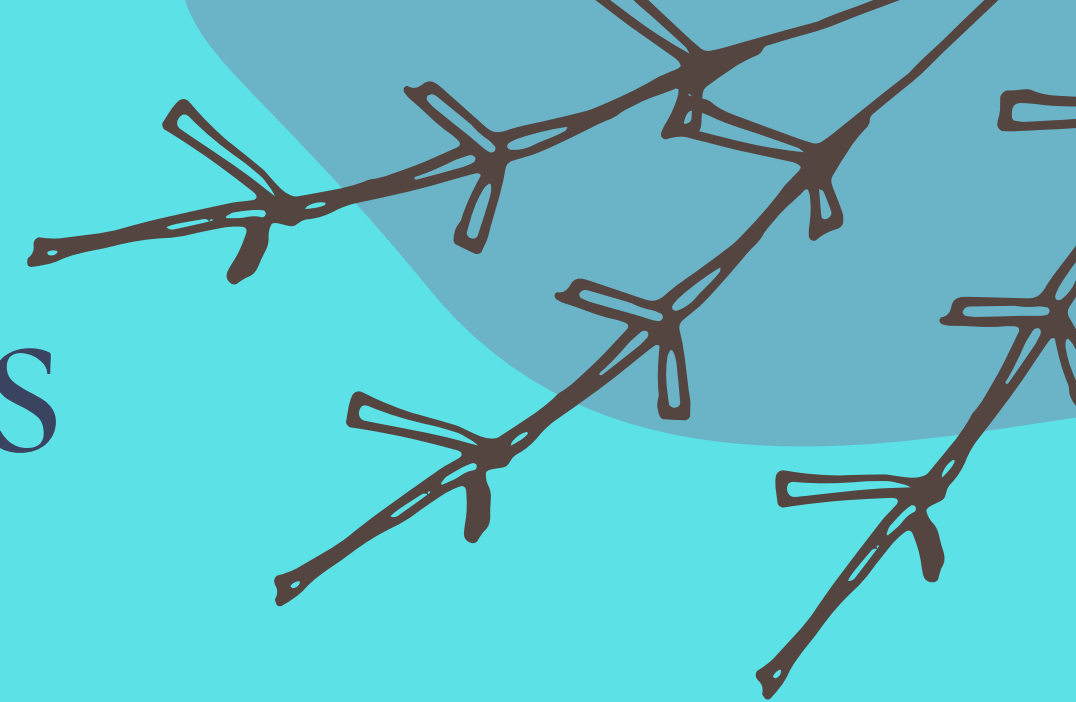
Bacteria Levels in the water

Salinity

What are the salt levels in the water? (fresh water, marine water, estuary, etc.)

Temp

Changes from season to season, day time/ night time, climate change, storms, etc.



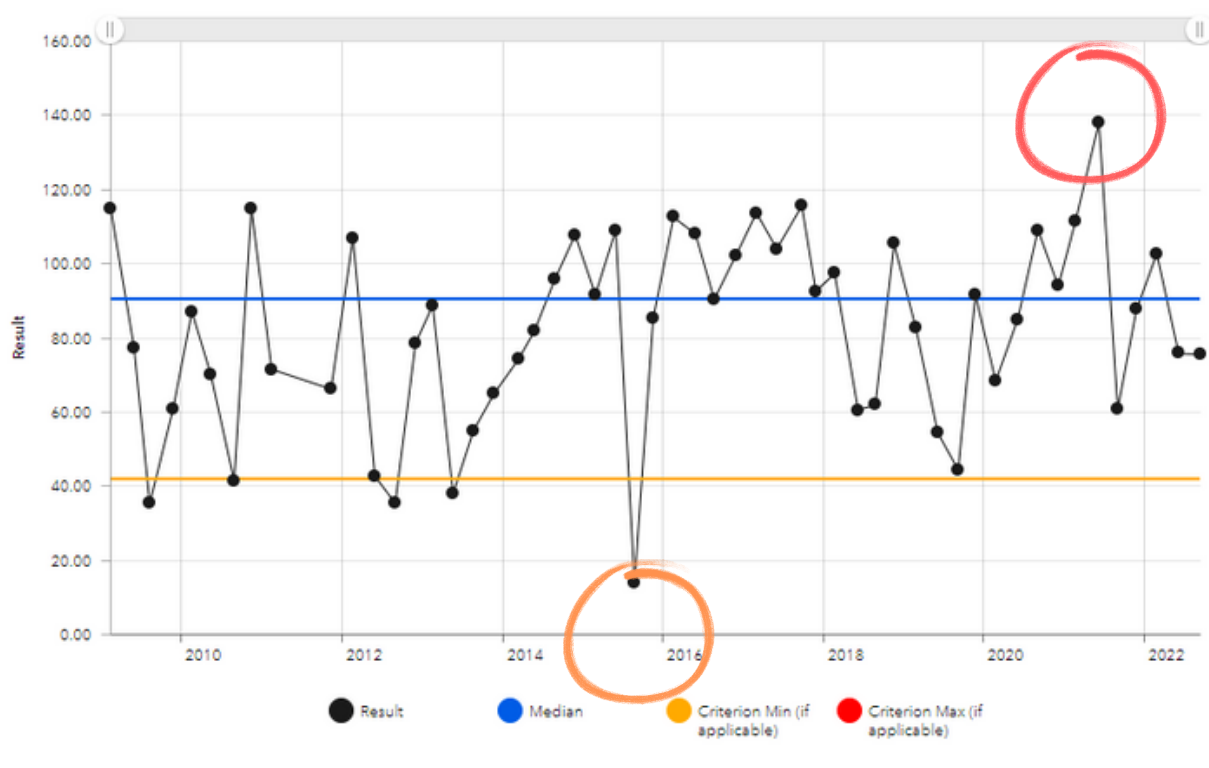
Sampling Results

2009-2022

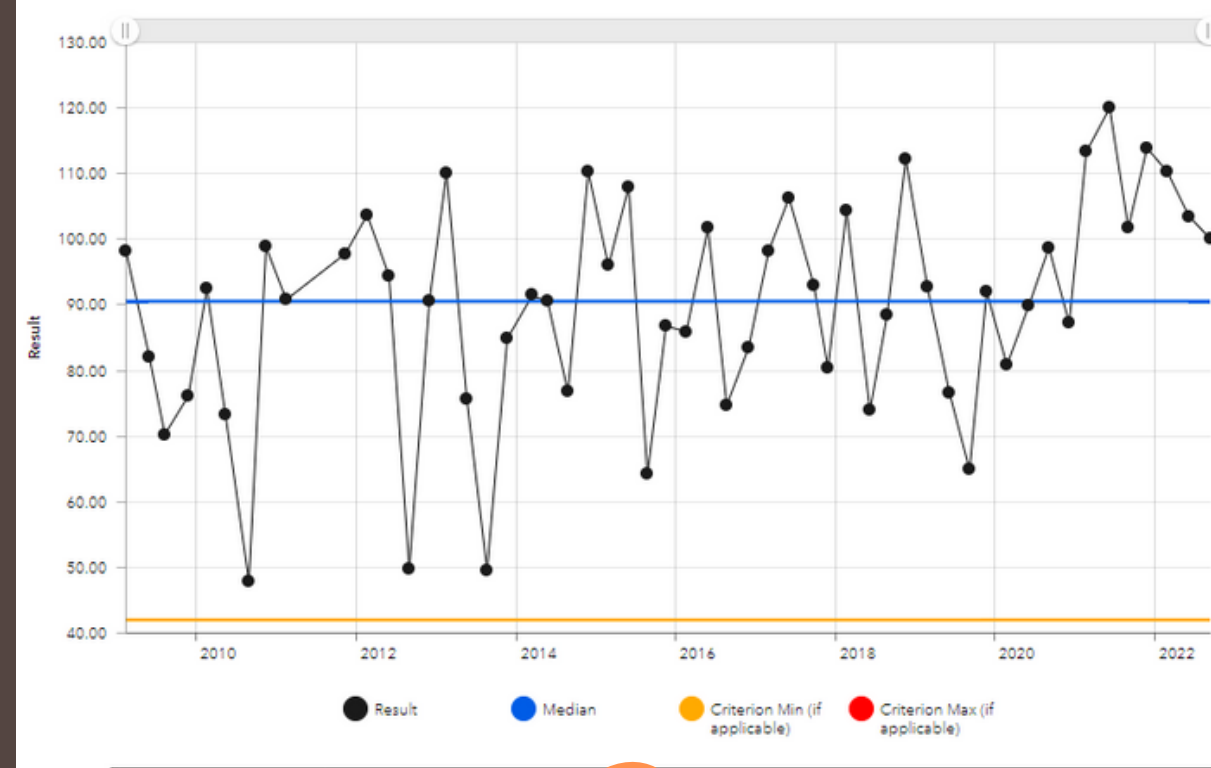
Dissolved Oxygen Indicator

Indicator for vitality of aquatic Life.
Depends on weather, temperature
and salinity.

● Result ● Median ● Criterion Min (if applicable) ● Criterion Max (if applicable)

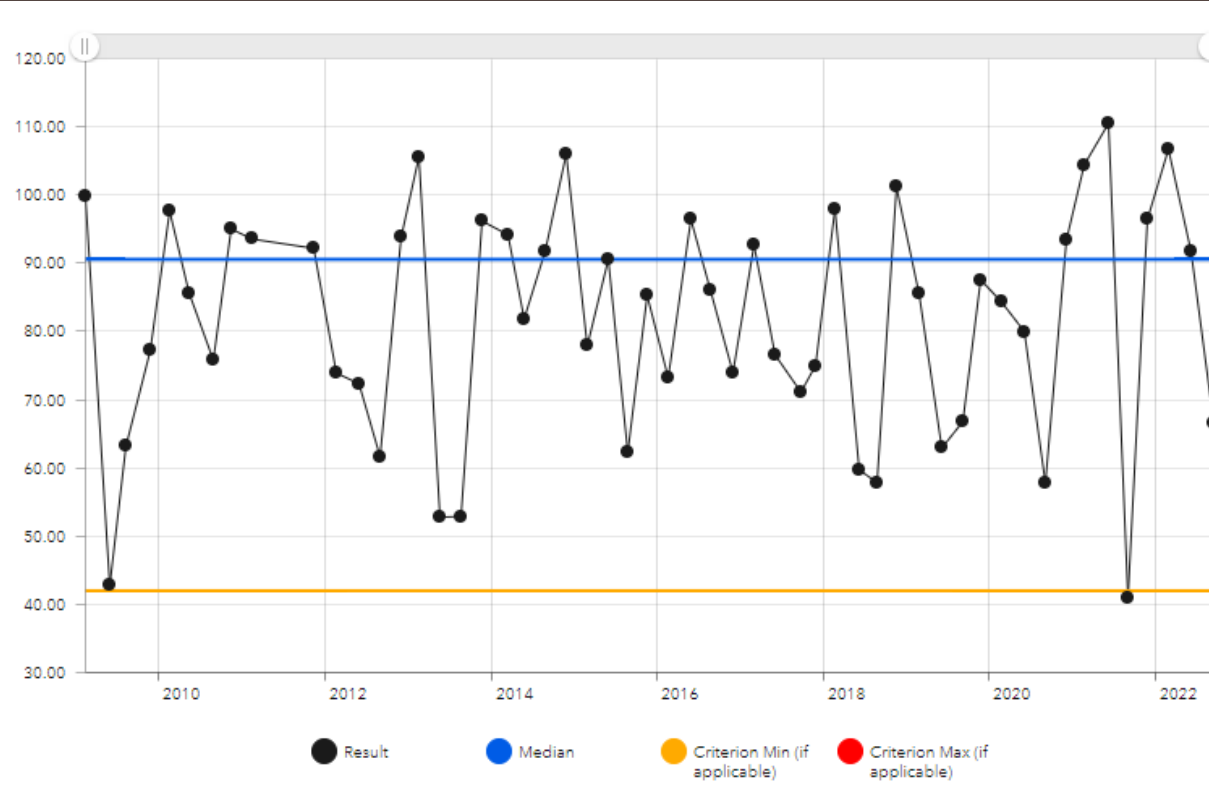


1

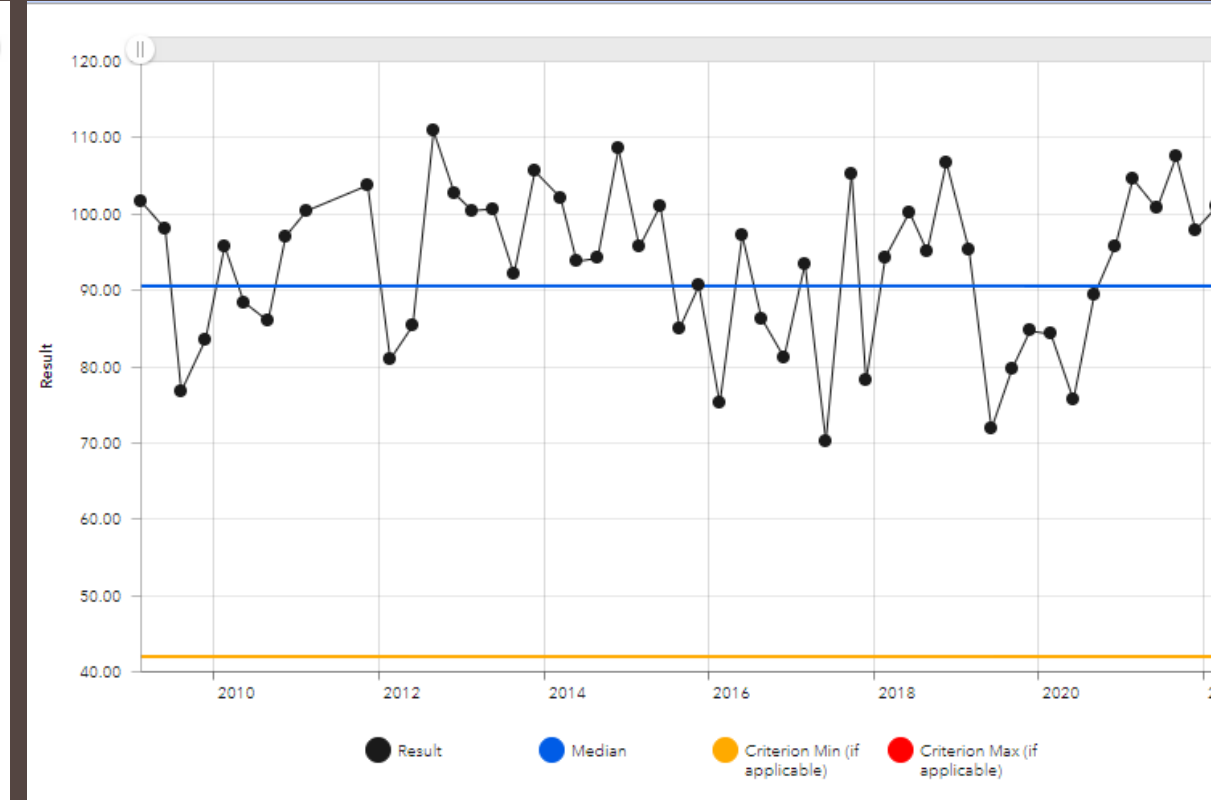


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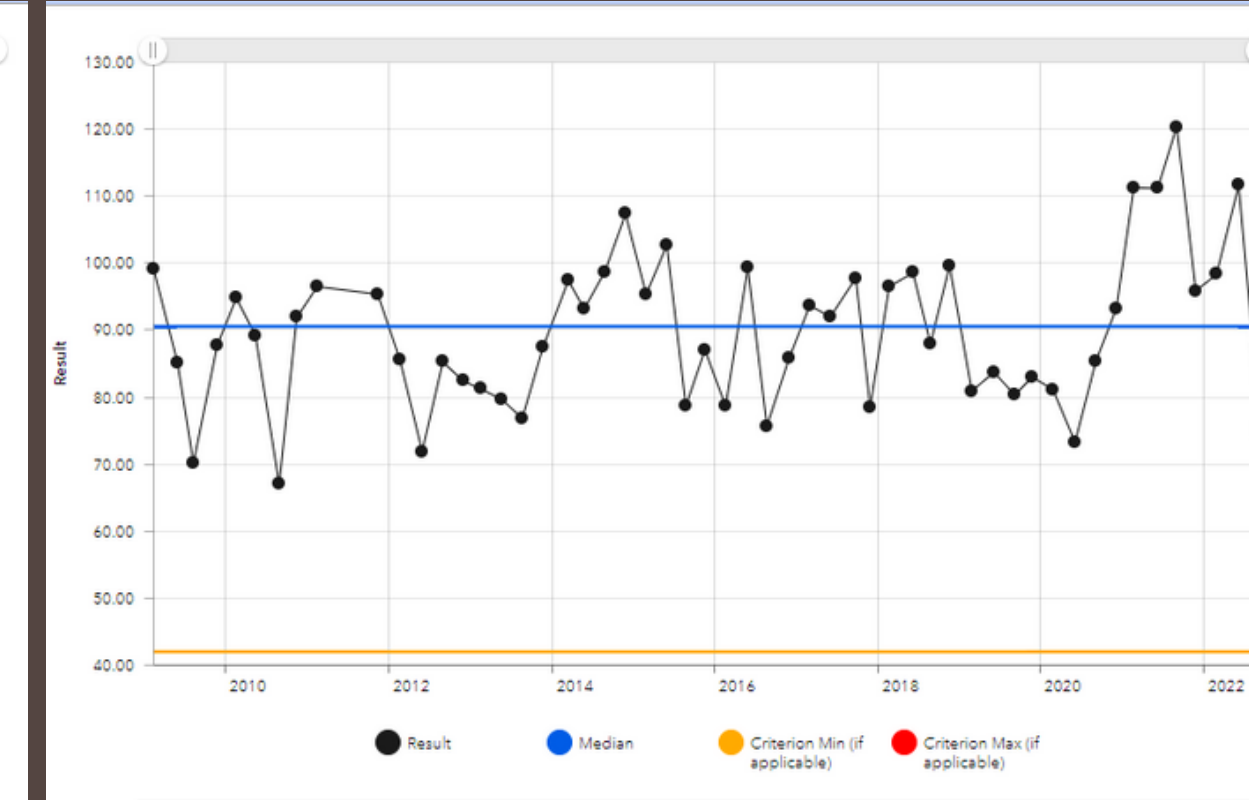
Highest level of D.O was on June 2021 and Lowest level of D.O was Sept. 2015 at Butterford. The rest of the station have never gone lower than the minimum criteria.



5



4



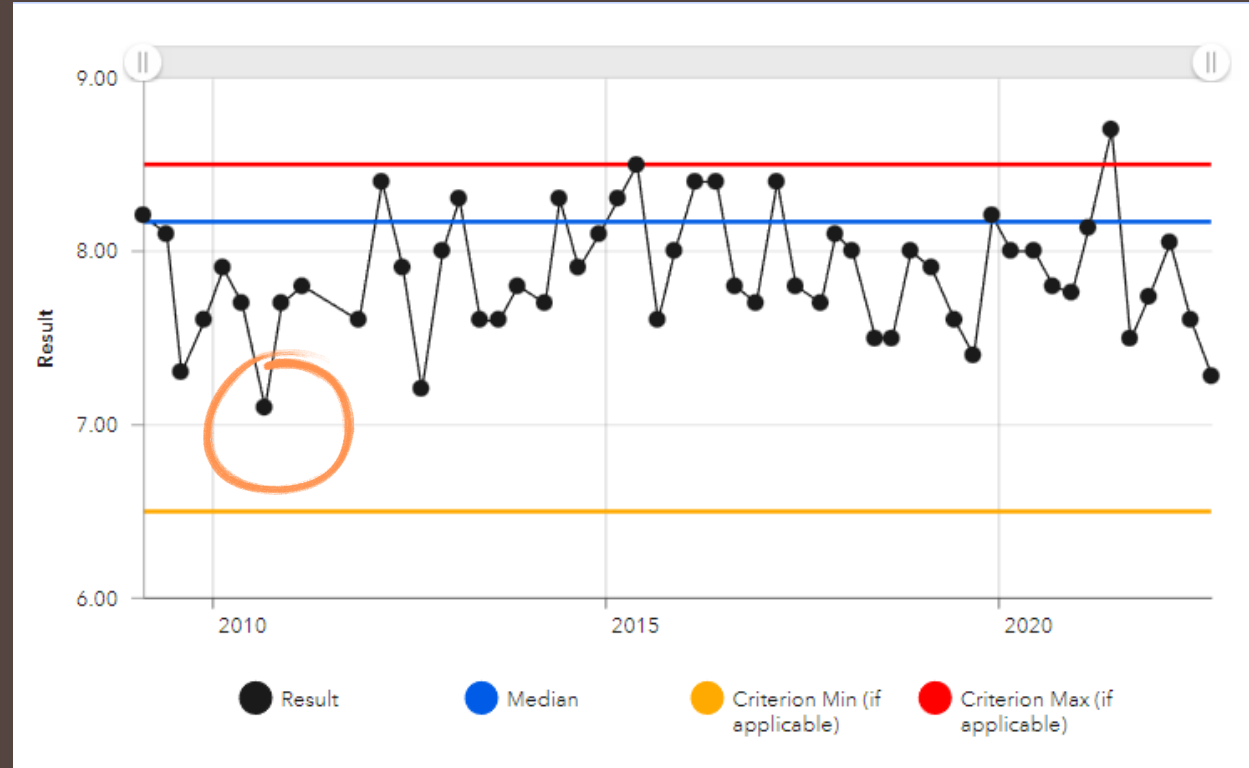
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Sampling Results

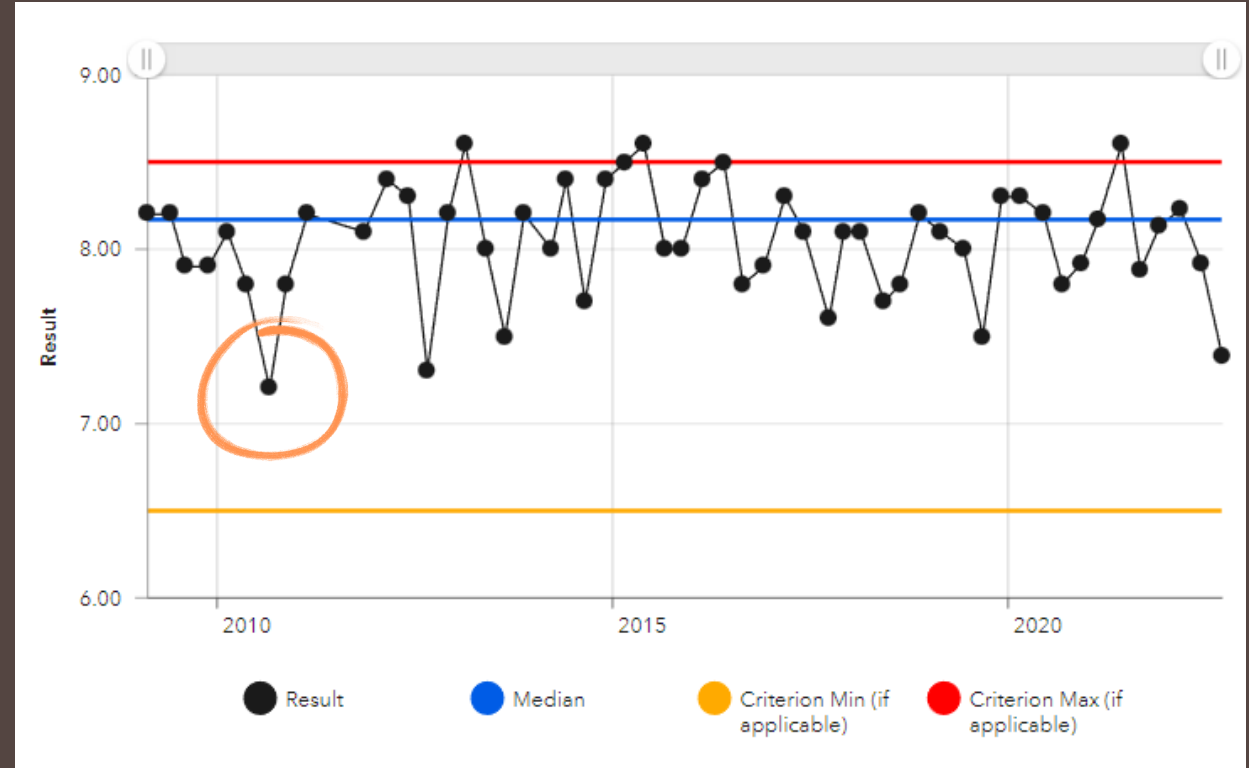
2009-2022

PH Indicator

Measures acidity levels in the water (0-14). Depends on organic materials in the water, air pollution and weather.

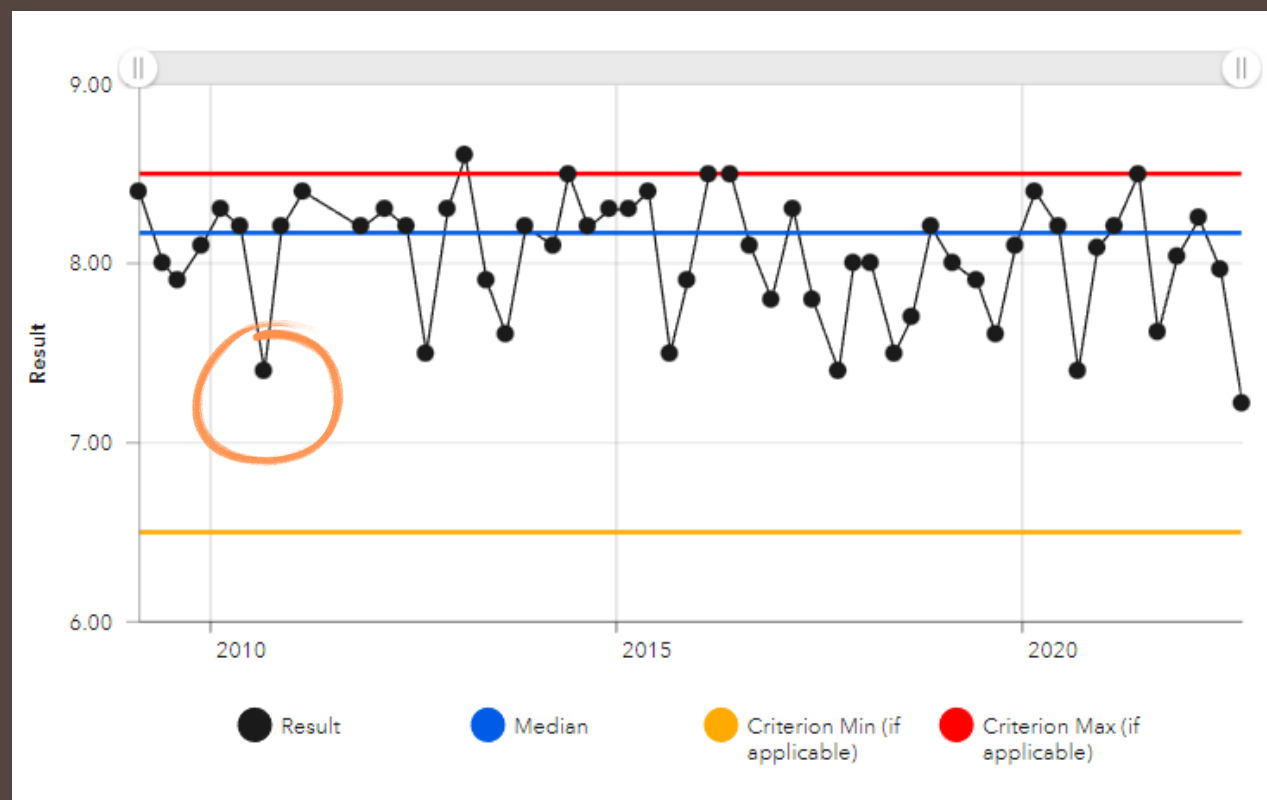


1

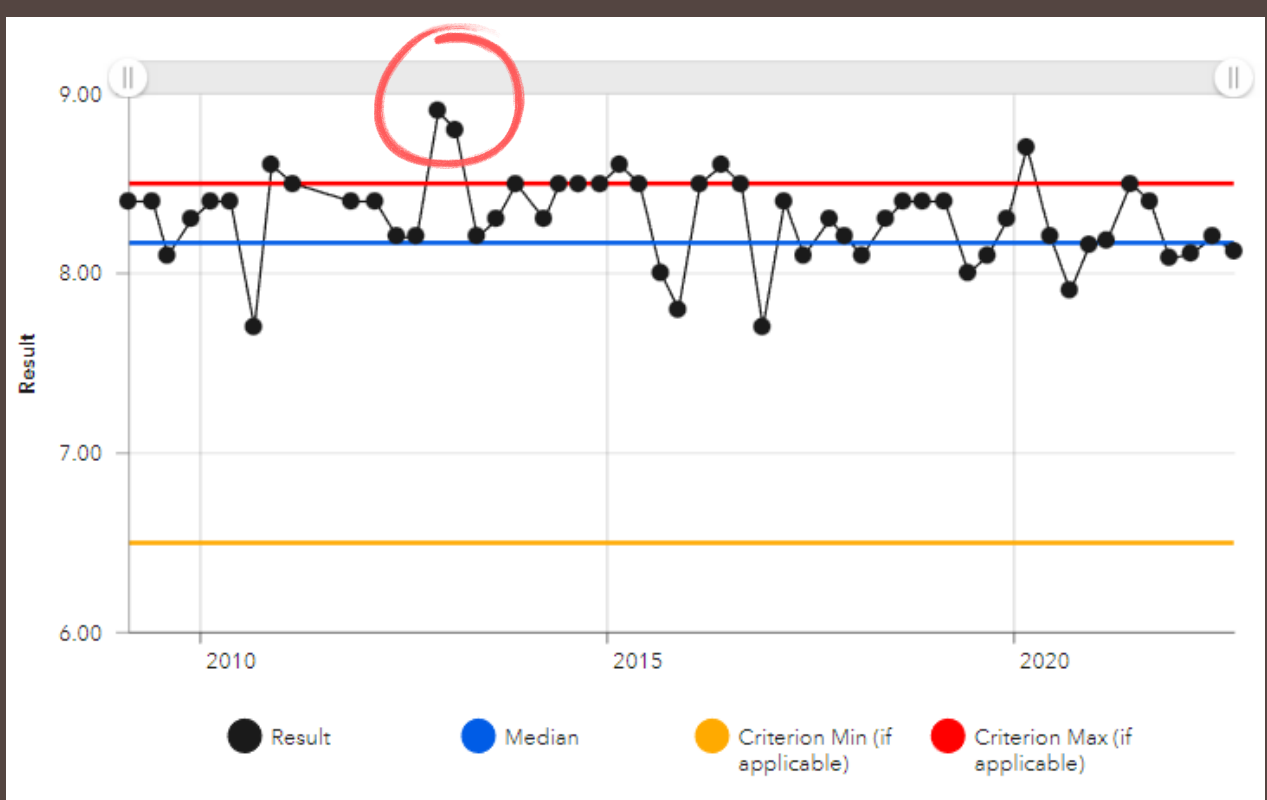


2

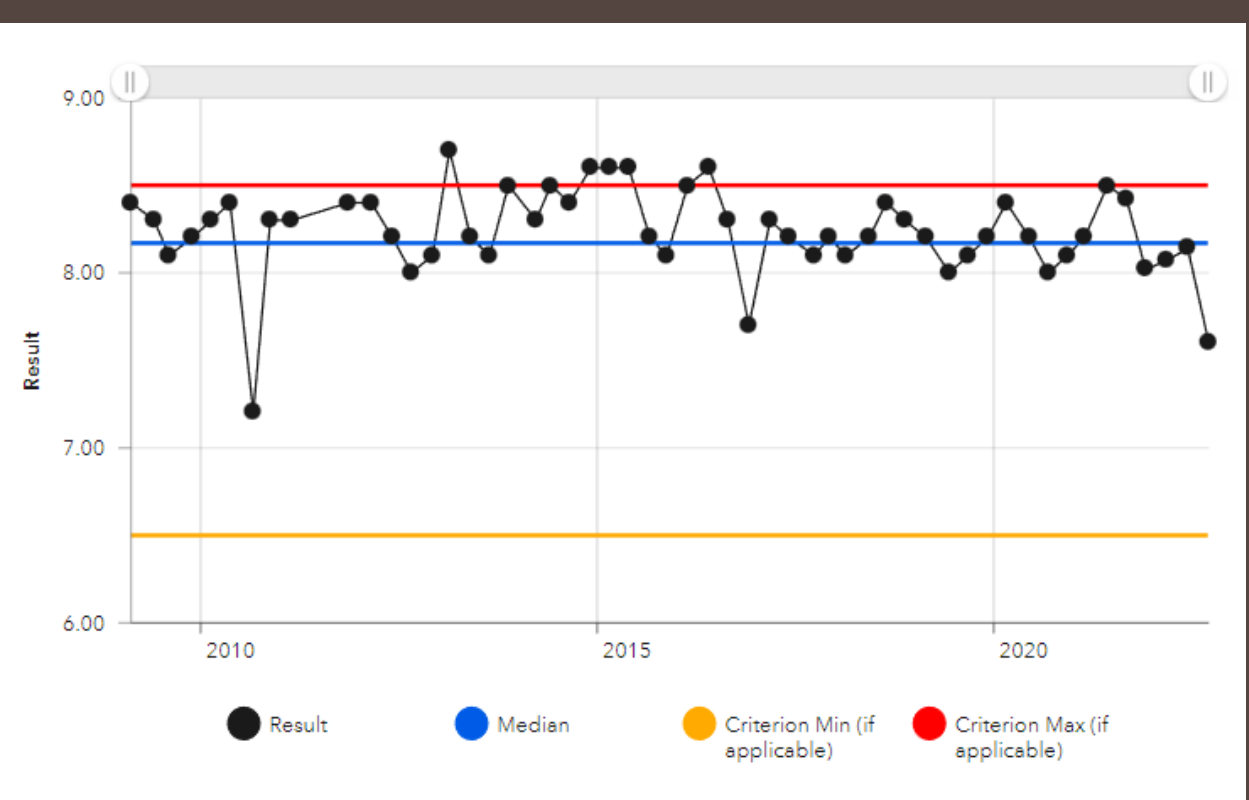
Highest level of PH of 8.4 was on Nov. 2012 at Stauton. Lowest level of PH of 7.1 was found on August 2010 at Butterford, Zephyr and Interceptor. The acidity level in the water at all the stations are slightly alkaline.



5



4



3

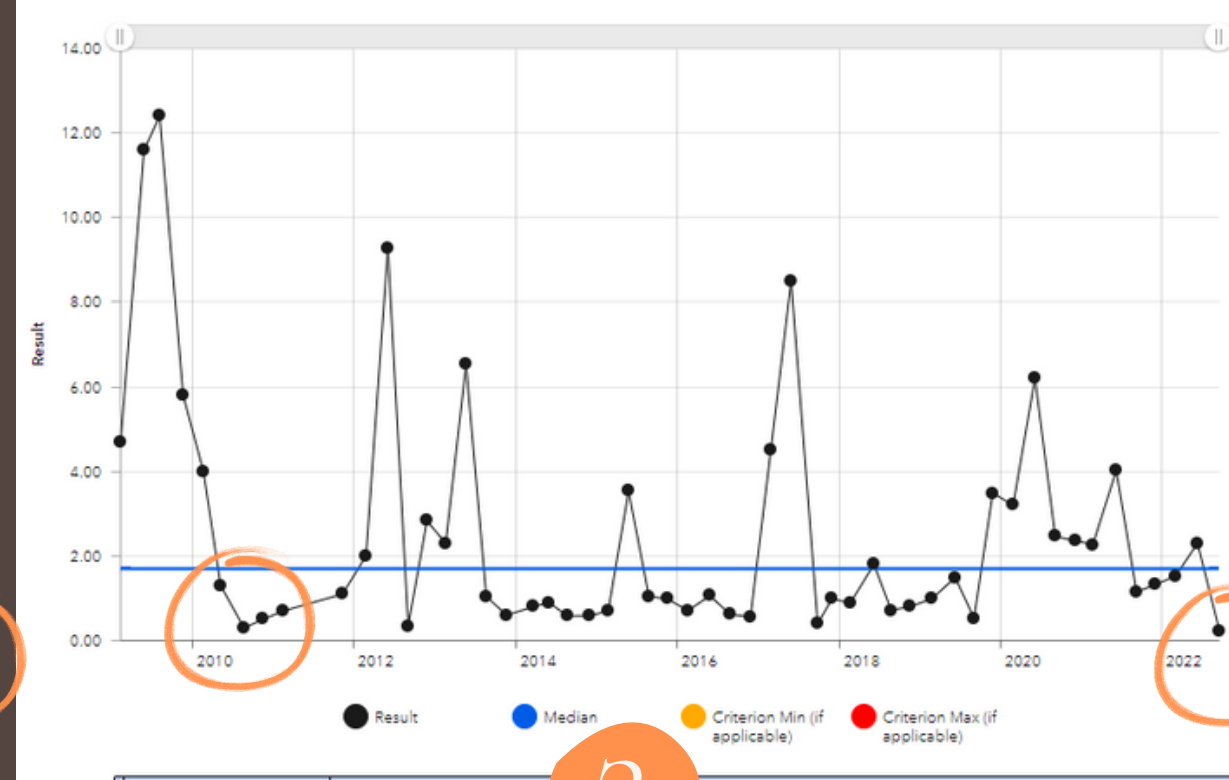
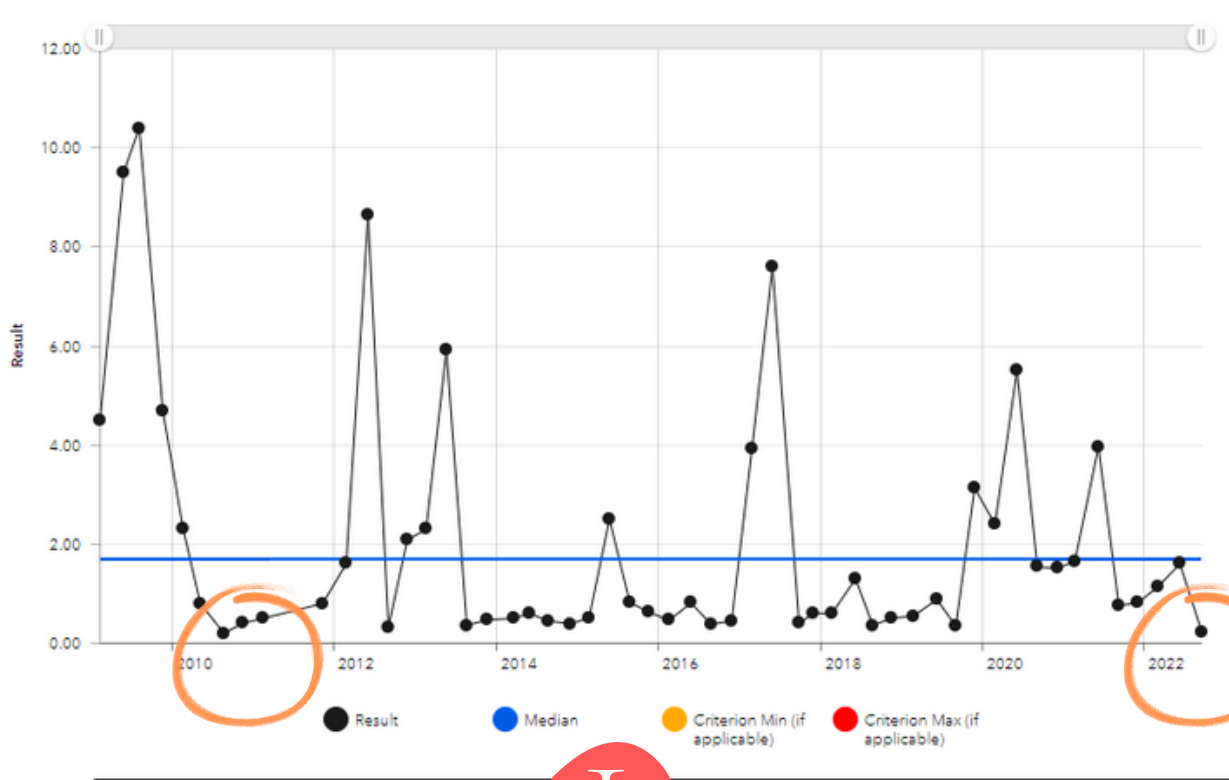
Sampling Results

2009-2022

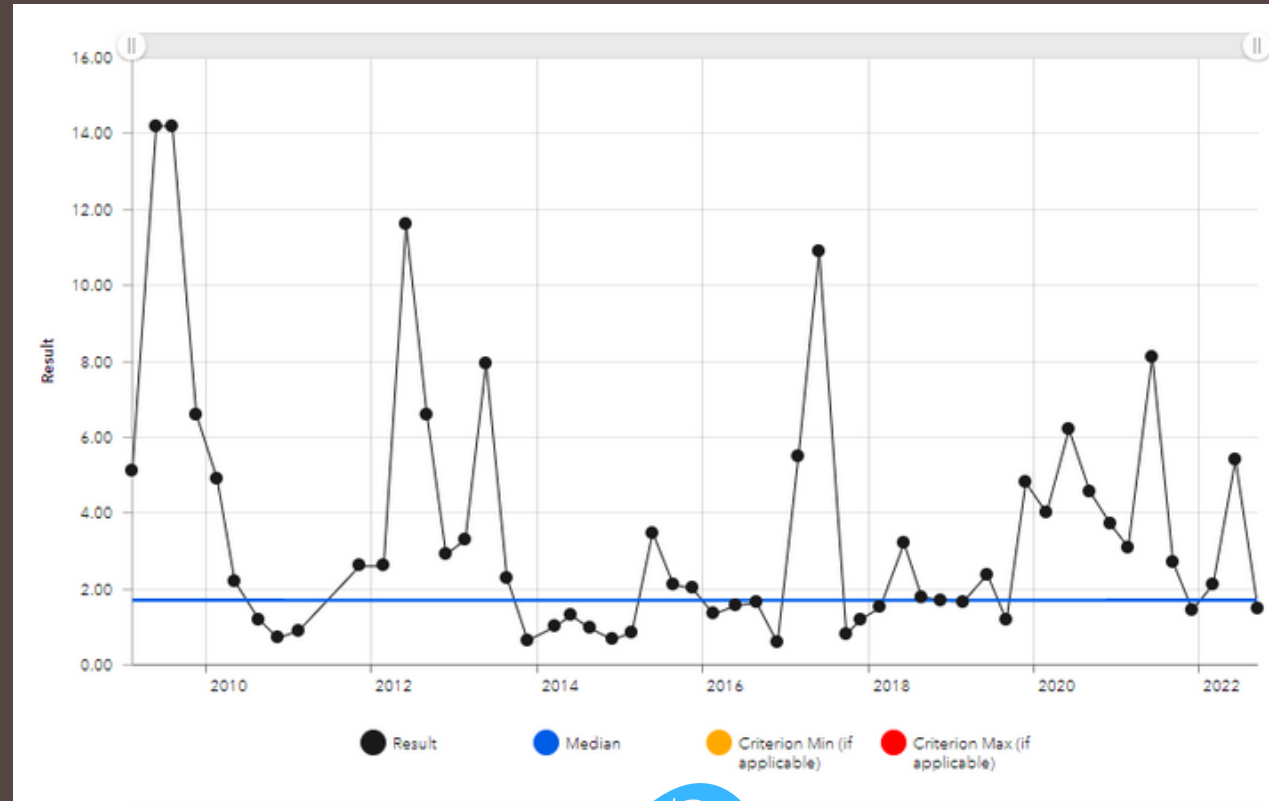
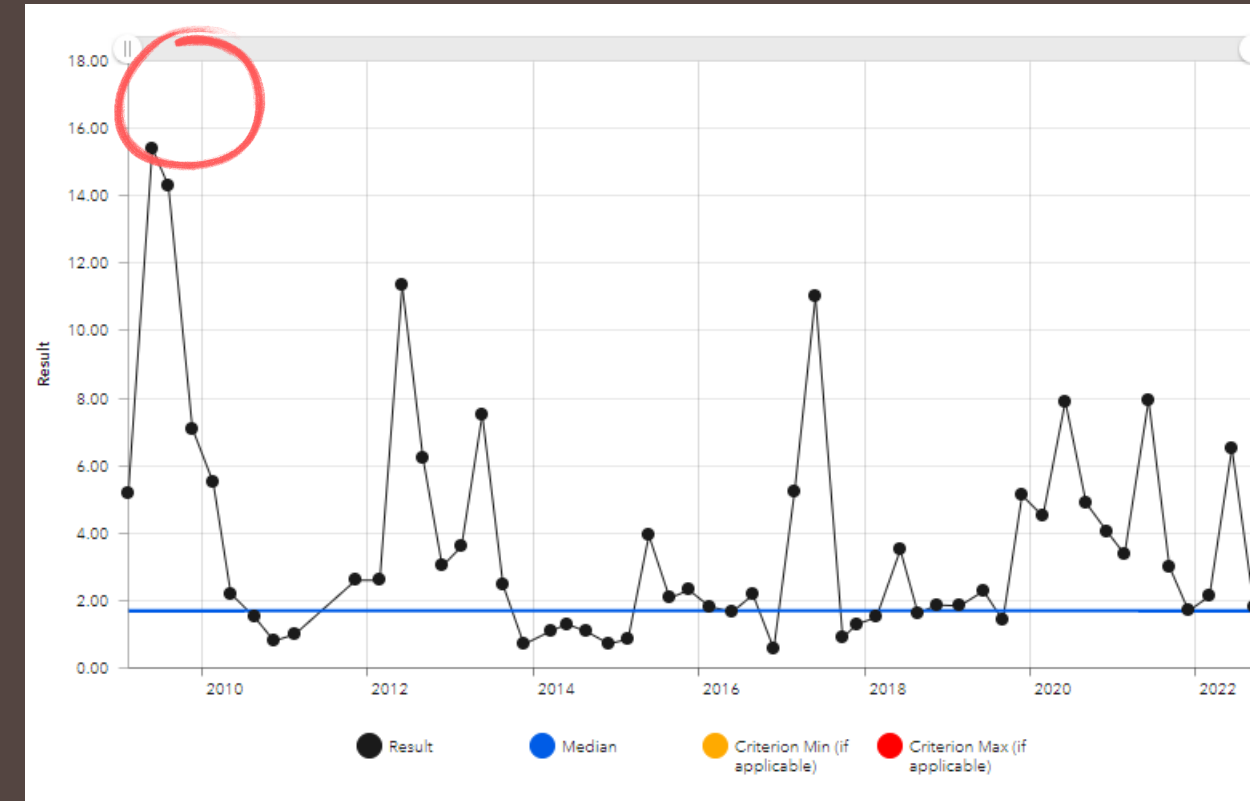
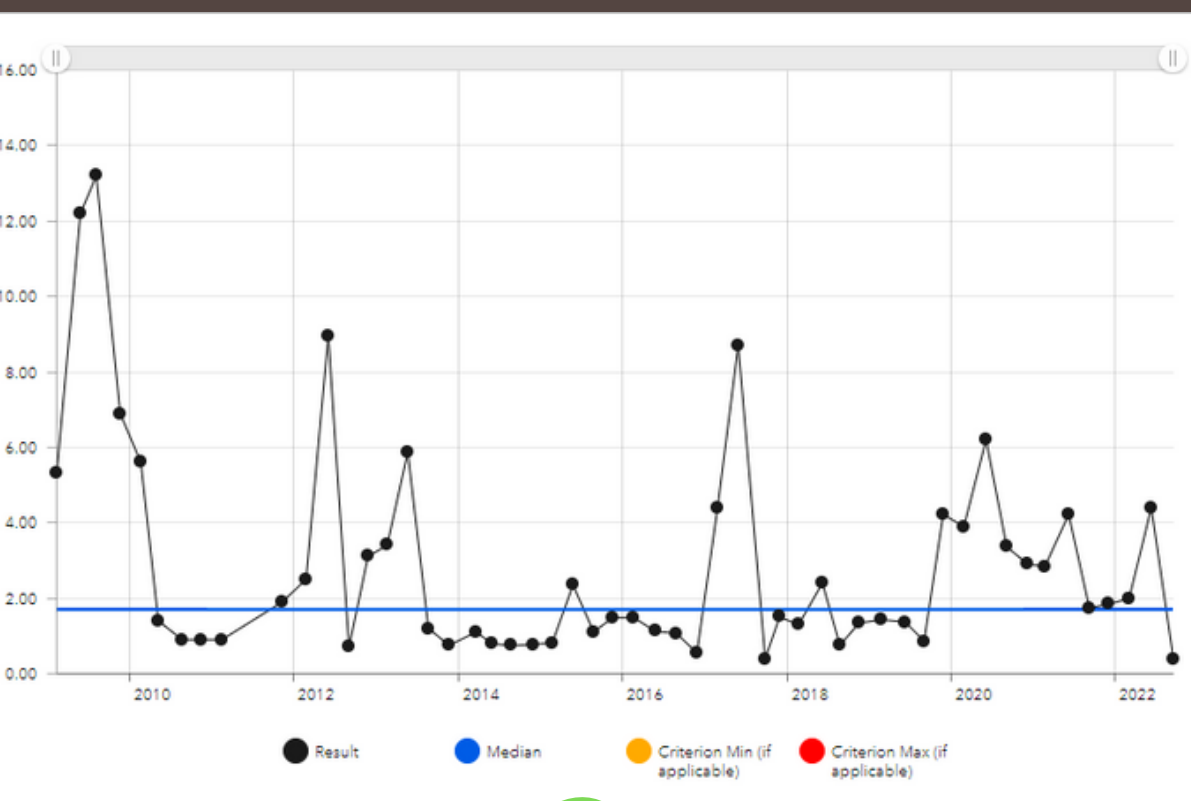
Salinity Indicator

Measures salt quantity dissolved in the water (ppt). Freshwater < 1 ppt, saltwater > 30 ppt, Brackish water 1-29 ppt

● Result ● Median ● Criterion Min (if applicable) ● Criterion Max (if applicable)



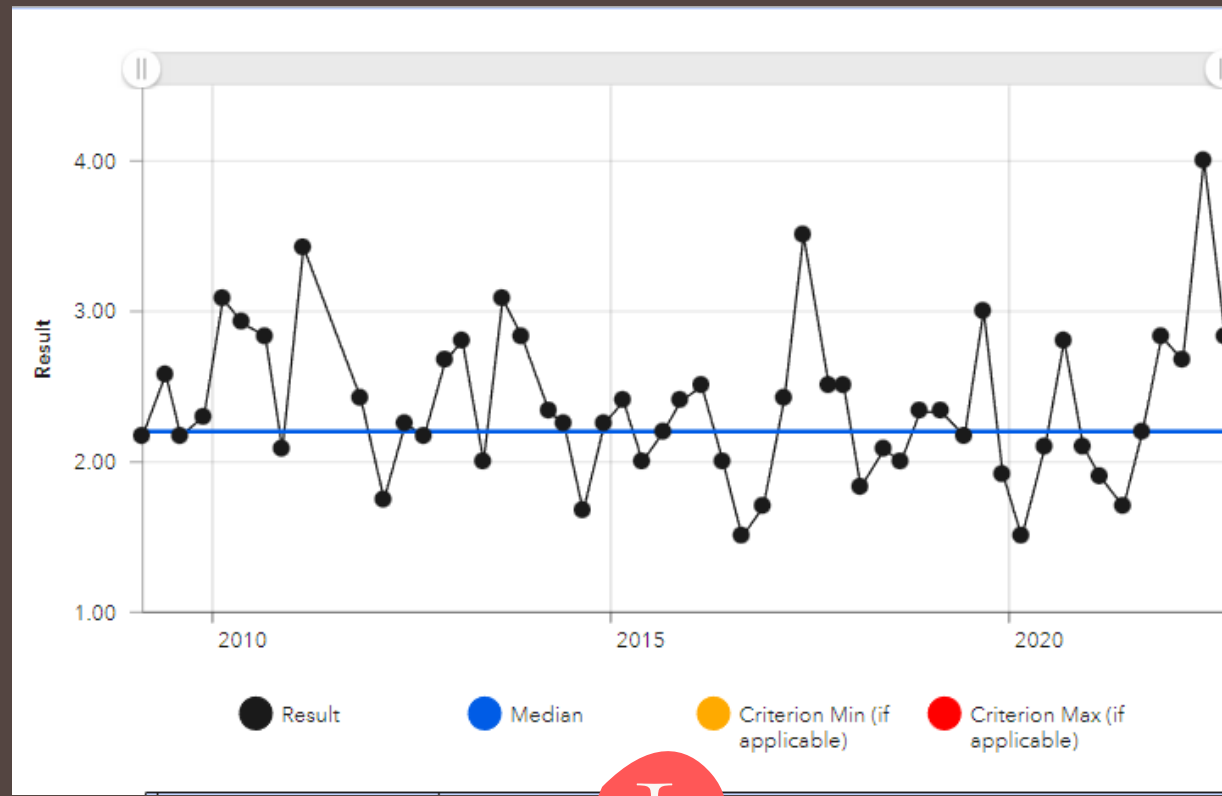
Highest level of Salinity was found on May 2009 at Staunton. Lowest level of Salinity was found on August 2010 and September 2022 at Butterford and Zephyr. In the summer months (wet season) the water is mostly fresher and in the winter months (dry season) the water is mostly saltier. All the stations have Brackish water.



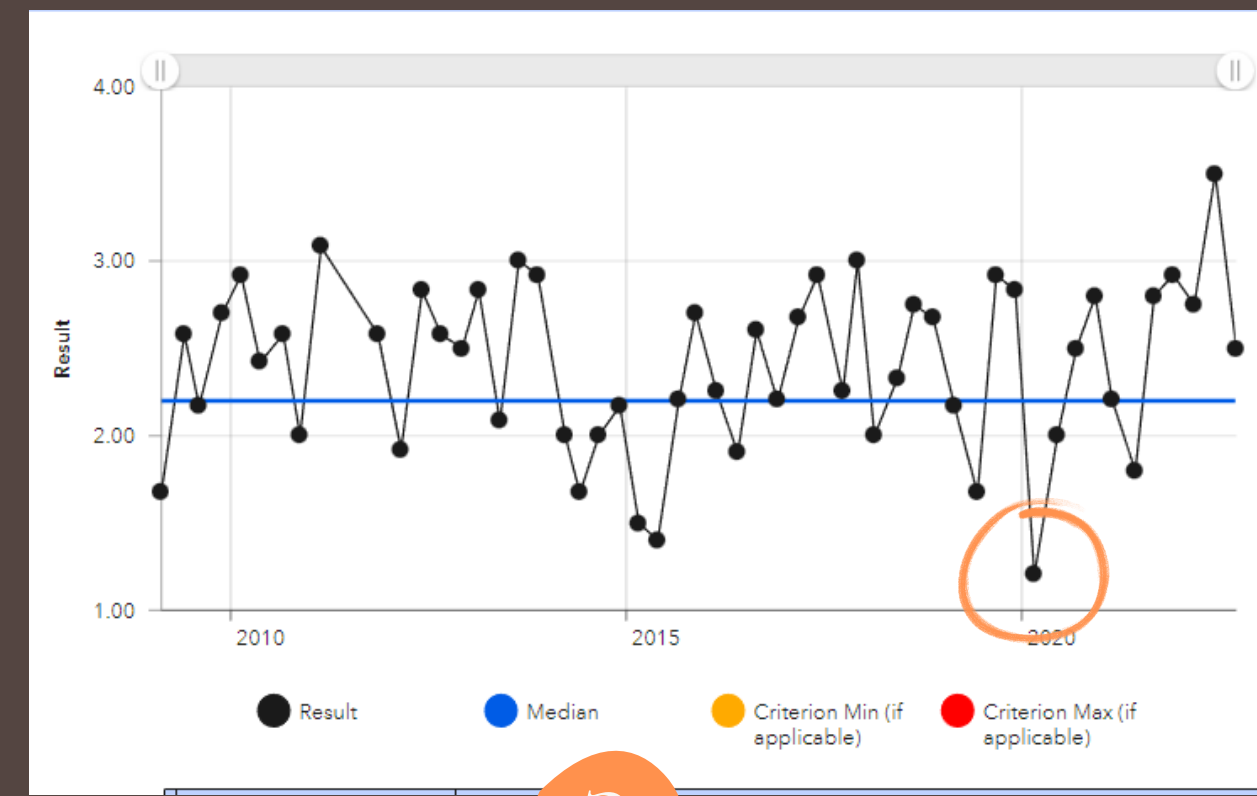
Sampling Results

2009-2022

Secchi Depth Indicator
 Measures turbidity and water clarity.
 Depends on sediments in the soil,
 plankton population and Algal blooms.

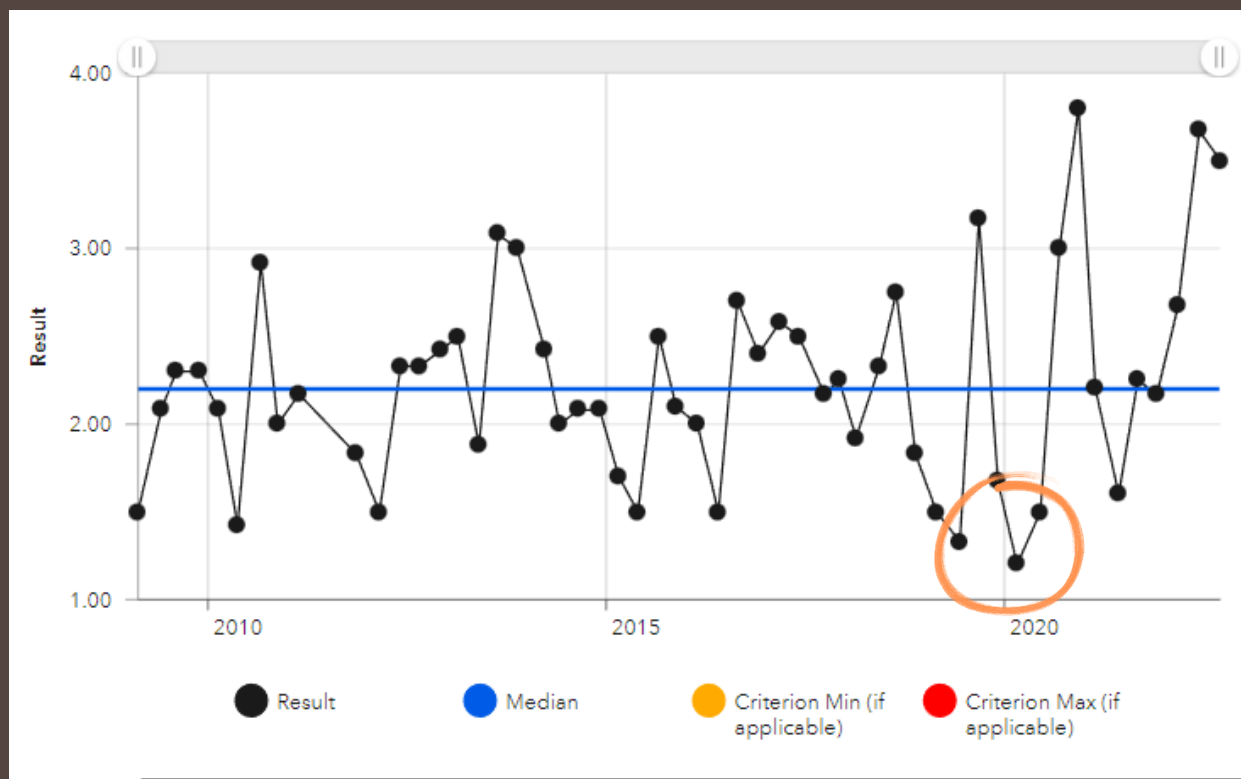


I

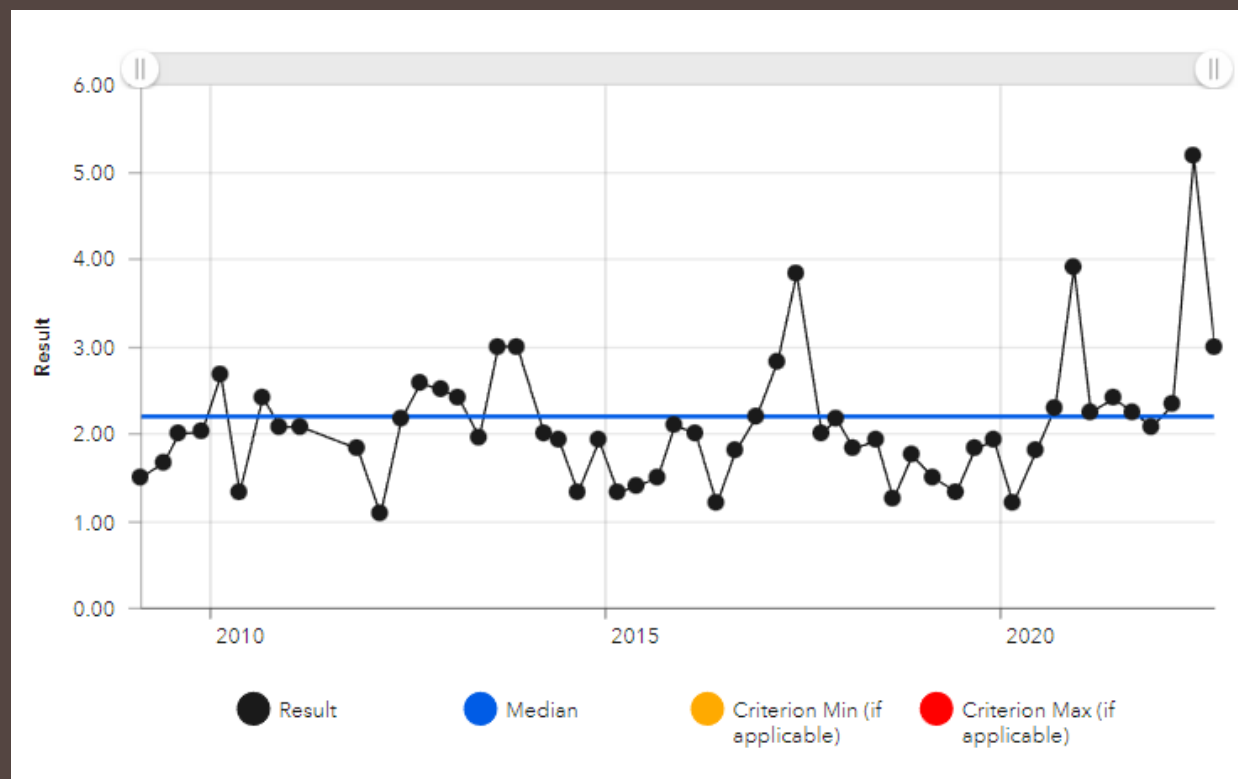


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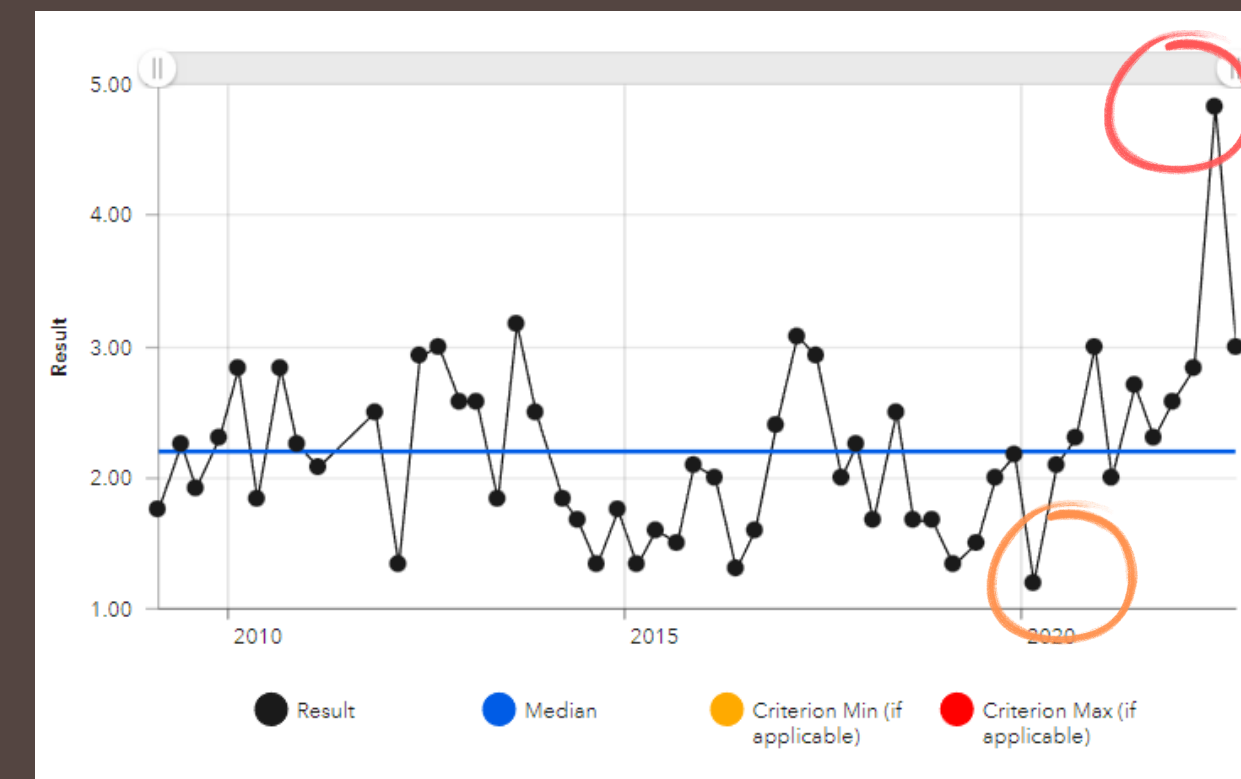
Highest level of Secchi depth was found on June 2022 at Interceptor. Lowest level of Secchi depth was found on February 2020 at Zephyr, Interceptor and Santa Cruz. Secchi depth Levels fluctuate constantly throughout all the stations. Secchi depth levels have risen in the past year, meaning there is more clarity and sunlight reaching the bottom.



5



4



3

Sampling Results 2009- 2022

2

Nutrients Indicator

Measures Nitrogen and Phosphorus levels. Normal Nitrogen level <2.02 mg/L. Normal Phosphorus level <0.31 mg/L .

Depends on Wastewater, Ag water and Storm water

*This Data was collected from the Myakka which discharges into SGC.

*The data shown is only from the last sampling on 9/15/22.

3

Highest level of Phosphorus of 0.196 mg/L was found at Butterford. Lowest level of Phosphorus of 0.006 mg/L was found at Interceptor. Highest level of Nitrogen of 1.49 was found at Butterford. Lowest level of Nitrogen of 0.854 was found at Staunton.

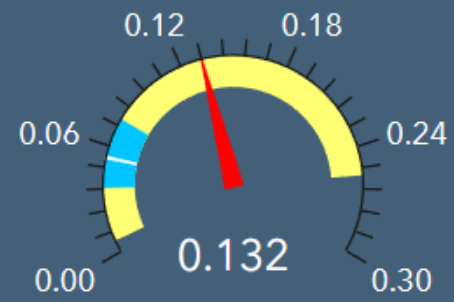
4

historic range typical range median

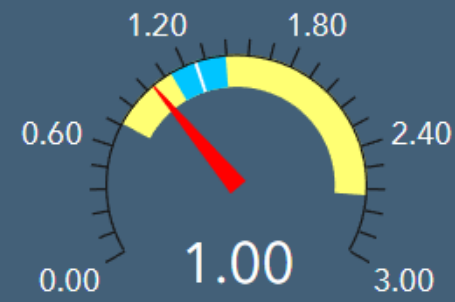
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I

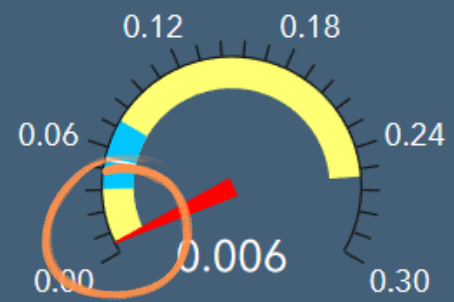
Total Phosphorus (mg/L) Zephyr 9/15/2022



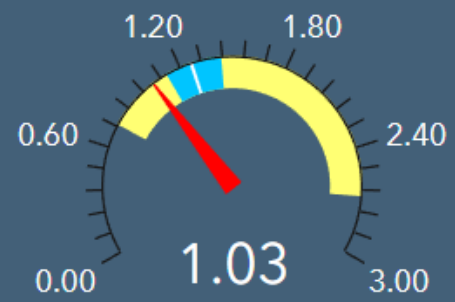
Total Nitrogen (mg/L) Zephyr 9/15/2022



Total Phosphorus (mg/L) Interceptor 9/15/2022



Total Nitrogen (mg/L) Interceptor 9/15/2022



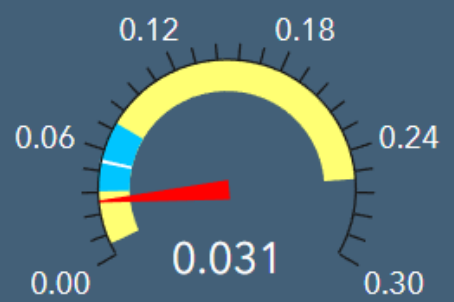
Total Phosphorus (mg/L) Staunton 9/15/2022



Total Nitrogen (mg/L) Staunton 9/15/2022



Total Phosphorus (mg/L) Santa Cruz 9/15/2022



Total Nitrogen (mg/L) Santa Cruz 9/15/2022

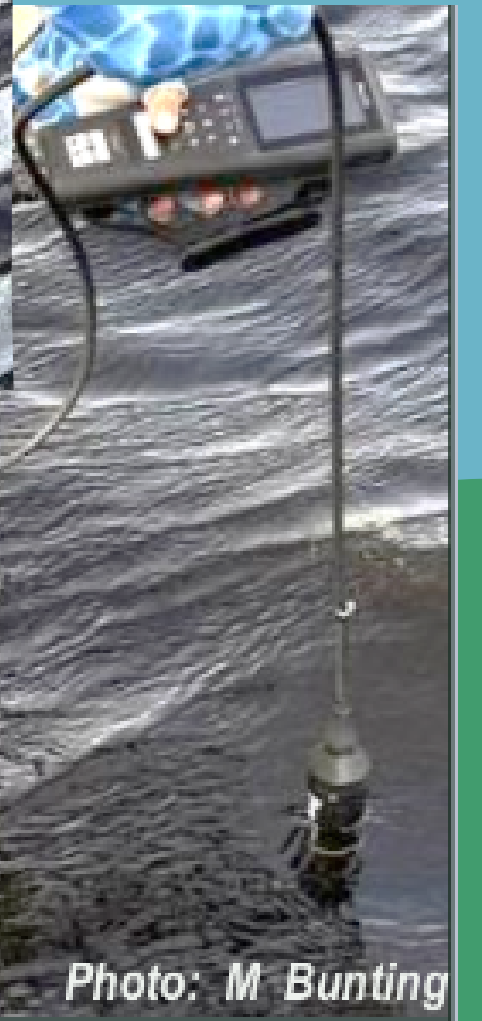
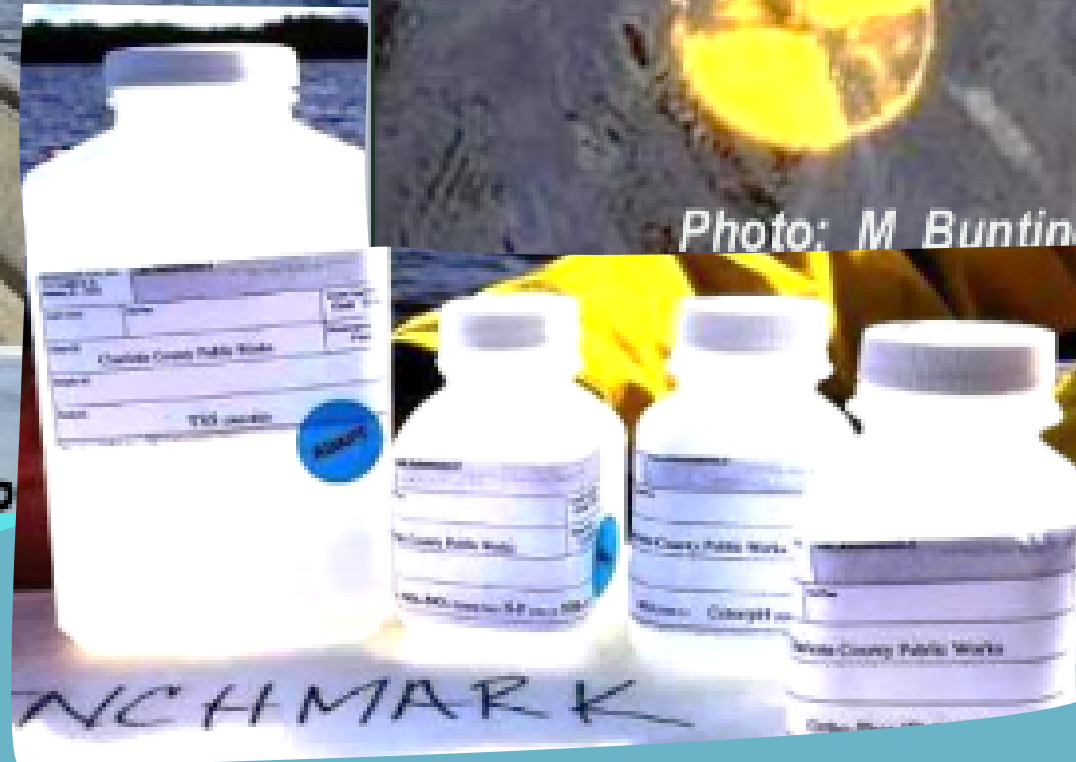


Total Phosphorus (mg/L) Butterford 9/15/2022



Total Nitrogen (mg/L) Butterford 9/15/2022





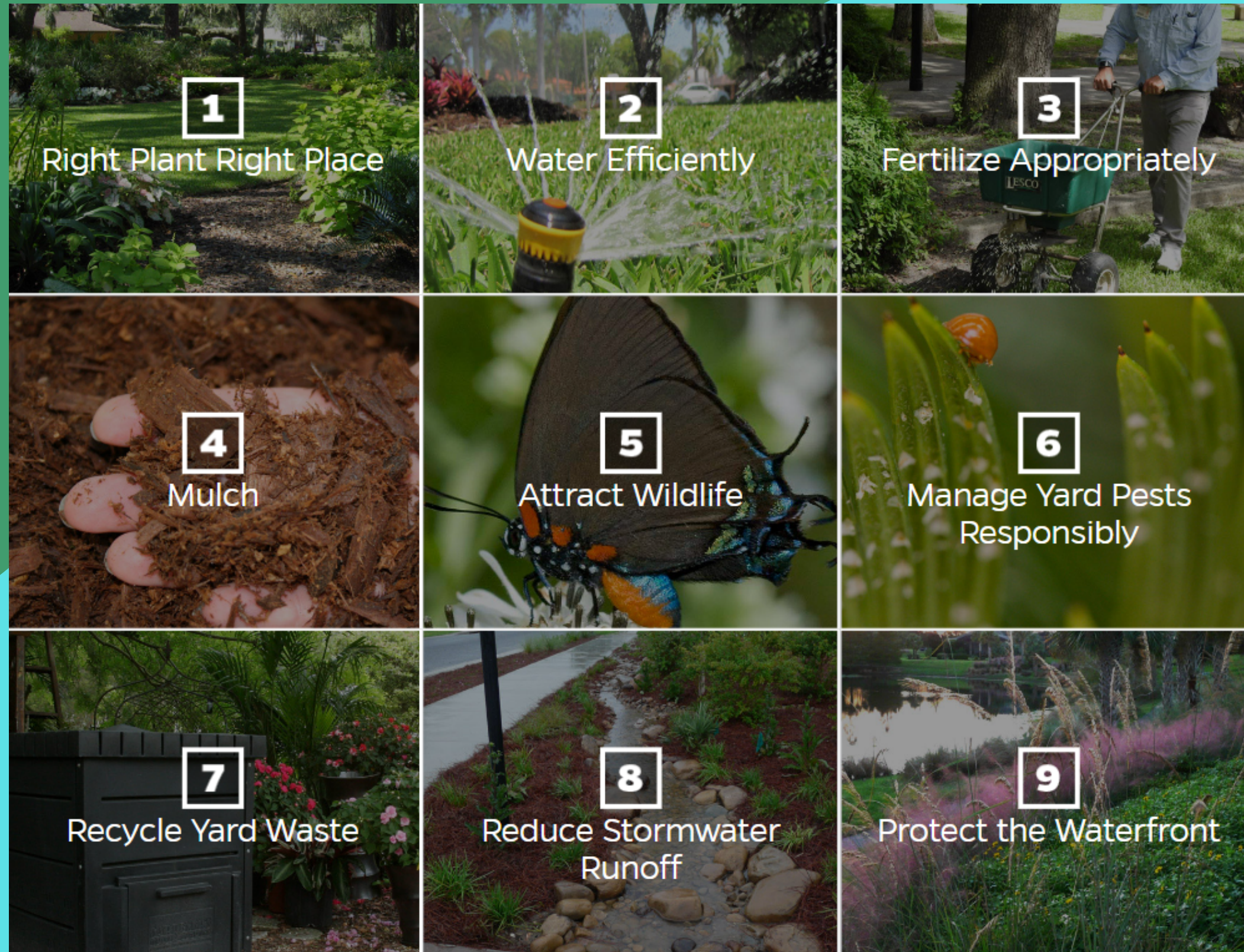
Water Sampling Demonstration

Photos from Benchmark Lab

Florida-Friendly Landscaping™ Recommendations for your backyard

The 9 Principles of Florida-Friendly Landscaping™

Water conserving,
drought tolerate
landscaping, for
example- rain gardens



UF | IFAS Extension
UNIVERSITY of FLORIDA

Sara Weber
Local Specialist
Sara.Weber@charlottecountyfl.gov

Holly Bates
Master Gardener
Holly.Bates@charlottecountyfl.gov

Plant Buffer along
the canals

Place Rip Rap
along water

Create a rain
garden

Maintain Septic
System

Don't Spray
Pesticide or
Herbicide on your
lawn

Become a
monthly water
quality volunteer
at Lemon Bay!

What else can we
do to protect our
waterways?



Water Quality Assessment Program:
Arielle Taylor-Manges
Charlotte Harbor Aquatic Preserves
Environmental Specialist
Arielle.taylormanges@FloridaDEP.gov
Office: 941-575-5861

Resources

- South Gulf Cove Water Quality Dashboard
<https://ccgis.charlottecountyfl.gov/portal/apps/dashboards/3167c18f70404b6e82526a4b338f24b4>
- One Charlotte One Water <https://www.charlottecountyfl.gov/one-charlotte-one-water/ONE>
- CHNEP- Water Quality Improvement <https://www.chnep.org/water-quality-improvement>
- The Water Atlas- CHNEP <https://chnep.wateratlas.usf.edu/waterbodies/bays/330000/charlotte-harbor>
- Department of Environmental Protection (DEP)- Water Quality Assessment Program-
<https://floridadep.gov/dear/water-quality-assessment>
- Florida Sea Grant- Harmful Algal Bloom, Clean Boating, Fisheries, and more
<https://www.flseagrant.org/>
- The Florida Yards & Neighborhoods Handbook
https://ffl.ifas.ufl.edu/materials/FYN_Handbook_2015_web.pdf
- The Florida-Friendly Landscaping™ Guide to Plant Selection & Landscape Design
https://ffl.ifas.ufl.edu/pdf/FYN_Plant_Selection_Guide_2015.pdf
- Florida-Friendly Landscaping™ Guidelines for Community Associations: Considerations for Selecting a Landscape Contractor and Writing an Effective Landscaping Contract
<https://edis.ifas.ufl.edu/pdf/EP/EP34700.pdf>
- Charlotte County Fertilizer Ordinance
<https://sfyl.ifas.ufl.edu/media/sfylifasufledu/charlotte/docs/pdf/Fertilizer-Ordinance1.pdf>



Thank you for taking care of
our waterways!

Tome Shaaltiel, CHEC

Michael Bednar, CHEC

Matt Logan, CC Public Works

Brandon Moody, CC Water Quality Manager

Adam Kay, CC Water Quality

SGC WW MSBU

Benchmark Labs