

Charlotte Harbor Estuaries Volunteer Water Quality Monitoring Network YSI Field Data Sheet- V. 8/18

Site # CHV015 Date 3/1/21 Time Start 6:30 am Time End 7:33 am Sunrise time 6:50 am
 Meter Monitor Jim Story Sample Monitor Andrea Story
 Estuary Region: (check one) ☒ Charlotte Harbor ☐ Estero Bay ☐ Gasparilla Sound ☐ Lemon Bay
☐ Matlacha Pass ☐ Pine Island Sound ☐ San Carlos Bay
 Waterbody name: Myrtle Slough YSI ProPlus Meter SN #: 153886

Wind Direction:	N	NE	<u>E</u>	<u>SE</u>	S	SW	W	NW	Direction: <u>E</u>
Wind Speed:	0-1 mph	<u>4-7 mph</u>	13-18 mph	25-31 mph	Speed: <u>6 mph</u>				
	2-3 mph	8-12 mph	19-24 mph	<u>≥ 32 mph</u>					
Weather:	1= sunny	3= overcast	5= drizzle	#: <u>2</u>					
	2= partly cloudy	4= fog/haze	6= rain						
Precipitation:	(amount in inches for last 24 hours)								Inches: <u>0</u>
Air temperature:									<u>20.4</u> °C
Water surface conditions:	#: <u>2</u>								
1= Calm	<u>2</u> =Ripples	3= Waves	4= White caps						
Tide stage:	1= Incoming	2= High Slack	<u>3</u> = Outgoing	4= Low Slack	#: <u>3</u>				
Secchi Depth:	Secchi Average: <u>0.95</u> m								
(to nearest .1 m)	Disappear: <u>1.0</u> m	Reappear: <u>0.9</u> m							
Water depth: (to nearest .1 m)	Depth: <u>1.9</u> m								
Water Temperature:	<u>24.8</u> °C								
Dissolved Oxygen:	Dissolved Oxygen:								
Barometer reading: <u>763.1</u> mm Hg									
Date	Time	DO mg/L	DO%	Air temp (°C)	Pass (± 0.3, office only)				
Calibrate	<u>3/1/21</u>	<u>6:52 am</u>	Calibrate at 100% humidity	<u>21.3</u>					
ICV	<u>3/1/21</u>	<u>6:56 am</u>	<u>8.86</u>	<u>100.0</u>	<u>21.4</u>	Y	N	<u>5.68</u> mg/L	
Verify	<u>3/1/21</u>	<u>7:15 am</u>	<u>9.11</u>	<u>104.1</u>	<u>21.9</u>	<u>Y</u>	N	<u>68.3</u> %	
pH:	pH reading:								
Lot #s 7: <u>2009C35</u> 10: <u>2007D57</u> 4: <u>4</u>									
Date	Time	4 buffer	7 buffer	10 buffer	Pass (± 0.2, office only)				
Check	<u>2/28/21</u>	<u>5:53 pm</u>	xxxxx	<u>6.78</u>	<u>10.0</u>	Y	N		
Calibrate	<u>2/28/21</u>	<u>6:06 pm</u>	Calibrate with 7 and 10 pH buffers			Y	N	N/A	
ICV	<u>2/28/21</u>	<u>6:27 pm</u>	xxxxx	xxxxx	<u>10.03</u>	Y	N	<u>8.37</u>	
Verify	<u>3/1/21</u>	<u>7:19 am</u>	OR	<u>7.20</u>	OR	<u>Y</u>	N		
Sp. Conductance (ms/cm):	Salinity ppt:								
Lot# 50: <u>19M100017</u> 10: <u>2</u> <u>807787</u>									
Date	Time	50 standard	10 standard	Pass (± 5%, office only)					
Check	<u>2/28/21</u>	<u>5:26 pm</u>	<u>50.2</u>	xxxxx	Y	N		<u>0.60</u>	
Calibrate	<u>2/28/21</u>	<u>5:30 pm</u>	Calibrate with 50 ms/cm standard			Y	N	N/A	
ICV	<u>2/28/21</u>	<u>5:32 pm</u>	<u>50.0</u>	xxxxx	Y	N		<u>1.21</u>	
Verify	<u>3/1/21</u>	<u>7:30 am</u>	xxxxx	verify w/ 10	<u>9.67</u>	<u>Y</u>	N		
Water Color Observed:	#: <u>1</u>								
1= Med Brown	3= Red brown	5= Green	7= Yellow Brown	9= Blue					
2= Dark Brown	4= Green Brown	6= Yellow Green	8= Green Blue	10= Other					
Collect & Ice Chlorophyll a Sample*?	Yes	No	Record same time on all bottles		Samp. Collect. Time: <u>7:07 am</u>				
Collect & Ice Phosphorus/Nitrogen*?	Yes	No							
Collect & Ice Color/Turbidity Sample*?	Yes	No							
Collect & Ice Entero OR E.Coli Sample*?	Yes	No							

*Surface water collected at 0.5m depth using intermediate plastic bucket

Observations and Comments:

* fast moving outgoing tide

Blank collected? Y N Time: 6:40 am

Duplicate collected? Y N Time:

Collect & Ice Chlorophyll a	Yes	No
Collect & Ice Phosph./Nitrogen	Yes	No
Collect & Ice Color/Turbidity	Yes	No
Collect & Ice Entero OR E.coli	Yes	No