

Site ID 16FWR06-TB01			
Date	September 7, 2016		
USGS Field Activity Number (FAN)	2016-350-FA (16FWR06)		
Field Crew	Marci Marot, Cary Lopez, BJ Reynolds, Craig Felson, Cheyenne Everhart		
Platform	R/V Halimeda	Location	Old Tampa Bay, Tampa Bay, Florida
Latitude (DD)	28.01999	Arrival Time (EDT)	10:40
Longitude (DD)	-82.67496	Departure Time (EDT)	13:10
GPS used (Manf., Model)	Garmin GPSMAP 1040xs	Camera (Manf., Model)	Nikon Coolpix AW130
GPS Waypoint	0162		
Water Depth (m)	2.4 (7.8 ft)		
Sample Type/Sample Info	Y/N, Time, Measurement	Sample Type/Sample Info	Y/N, Time, Measurement
Surface/Grab:		Water Quality Parameters: FWRI YSI	
Vegetation/Sediment Type	Mud	Water Type (Marsh, Estuarine)	Bay, Surface
TB01G(A) - Ekman sampler	0-5 cm, 1-cm intervals	Water Depth (m)	0.5
TB01G(B) - Ekman sampler	0-5 cm, 1-cm intervals	Temperature (°C)	28.74
TB01G(C) - Ekman sampler	0-2 cm	Dissolved Oxygen (DO) (%)	73
TB01G(D) - Ekman sampler	0-2 cm	DO (mg/L)	5.33
TB01G(E) - Wildco petite ponar	0-2 cm	Specific Conductance (mS/cm)	19.6
		Salinity	11.6
		pH	7.79
Sontek CastAway CTD		Water Type (Marsh, Estuarine)	Bay, Bottom
Serial Number	CC1624003	Water Depth (m)	2.5
Time of deployment (EDT)	11:00, 2 drops	Temperature (°C)	27.65
		Dissolved Oxygen (DO) (%)	22
		DO (mg/L)	1.3
		Specific Conductance (mS/cm)	26.6
		Salinity	16.2
		pH	7.4
Notes			
Sediment surface blew through top of ponar on each deployment. Collected one sample, surface material that came through screens was lost. Sampled top 2 cm, scrapped material from bottom of screens.			
Collected Ekman grab. Intact sediment/water interface. Syringed off overlying water. Subcored with 4.5"-diameter barrel and sectioned onboard. Sampled 0-5cm into 1-cm intervals.			
Collected, subcored and sectioned a second Ekman grab. Good recovery, intact, undisturbed sediment surface. Syringed off overlying water prior to sampling.			
Two additional Ekman grabs collected for 0-2 cm surface sediment. Syringed off overlying water prior to sampling both grabs.			
Two push cores were collected with 4.5"-diameter barrels. Both cores had uneven, disturbed surfaces. Cores were not kept since there was good recovery of upper 5 cm in the Ekman grabs.			
Photos			
239-255			

Site ID 16FWR06-TB02			
Date	September 7, 2016		
USGS Field Activity Number (FAN)	2016-350-FA (16FWR06)		
Field Crew	Marci Marot, Cary Lopez, BJ Reynolds, Craig Felson, Cheyenne Everhart		
Platform	<i>R/V Halimeda</i>	Location	Old Tampa Bay, Tampa Bay, Florida
Latitude (DD)	27.97198	Arrival Time (EDT)	13:30
Longitude (DD)	-82.67296	Departure Time (EDT)	14:40
GPS used (<i>Manf., Model</i>)	Garmin GPSMAP 1040xs	Camera (<i>Manf., Model</i>)	Nikon Coolpix AW130
GPS Waypoint	0163		
Water Depth (m)	3.0 (10.0 ft)		
Sample Type/Sample Info	Y/N, Time, Measurement	Sample Type/Sample Info	Y/N, Time, Measurement
Surface/Grab:		Water Quality Parameters: FWRI YSI	
Vegetation/Sediment Type	Sandy mud	Water Type (Marsh, Estuarine)	Bay, Surface
TB02G(A) - Ekman sampler	0-5 cm, 1-cm intervals	Water Depth (m)	0.5
TB02G(B) - Ekman sampler	0-5 cm, 1-cm intervals	Temperature (°C)	29.3
TB02G(C) - Ekman sampler	0-2 cm	Dissolved Oxygen (DO) (%)	103
		DO (mg/L)	7.53
		Specific Conductance (mS/cm)	16.35
		Salinity	9.51
		pH	8.2
		Chl (rfu)	5.7
Sontek CastAway CTD		Chl (ug/L)	24
Serial Number	CC1624003	Water Type (Marsh, Estuarine)	Bay, Bottom
Time of deployment (EDT)	13:42, 2 drops	Water Depth (m)	3
		Temperature (°C)	27.9
		Dissolved Oxygen (DO) (%)	36
		DO (mg/L)	2.5
		Specific Conductance (mS/cm)	27.1
		Salinity	16.57
		pH	7.56
		Chl (rfu)	2.1
		Chl (ug/L)	8.1
Notes			
<p>No ponar or push core taken.</p> <p>Collected two Ekman grabs. Intact sediment/water interface. Syringed off overlying water. Subcored with 4.5"-diameter barrel and sectioned onboard. Sampled 0-5cm into 1-cm intervals.</p> <p>TB02G(A): 1-2 cm, 2-3 cm, & 4-5cm may not be accurately measured at 1cm intervals.</p> <p>TB02G(B): Better depth control of the sectioning over TB02G(A)</p> <p>One additional Ekman grab collected for 0-2 cm surface sediment. Syringed off overlying water prior to sampling.</p> <p>TB02G(C): combined 0-2cm into one sample</p>			
Photos			

Site ID 16FWR06-TB06			
Date	September 7, 2016		
USGS Field Activity Number (FAN)	2016-350-FA (16FWR06)		
Field Crew Marci Marot, Cary Lopez, BJ Reynolds, Craig Felson, Cheyenne Everhart			
Platform	R/V Halimeda	Location Old Tampa Bay, Tampa Bay, Florida	
Latitude (DD)	27.94206	Arrival Time (EDT)	15:00
Longitude (DD)	-82.67498	Departure Time (EDT)	15:30
GPS used (Manf., Model)	Garmin GPSMAP 1040xs	Camera (Manf., Model)	Nikon Coolpix AW130
GPS Waypoint	0164		
Water Depth (m)	3.6 (11.7 ft)		
Sample Type/Sample Info	Y/N, Time, Measurement	Sample Type/Sample Info	Y/N, Time, Measurement
Push Core: 4.5" Polycarbonate Barrels		Water Quality Parameters: FWRI YSI	
Sediment Type	Muddy sand	Water Type (Marsh, Estuarine)	Bay, Surface
Recovered 4.5" OD Core Length (cm) A	9.5	Water Depth (m)	0.5
Recovered 4.5" OD Core Length (cm) B	14	Temperature (°C)	29.6
		Dissolved Oxygen (DO) (%)	106.6
Sontek CastAway CTD		DO (mg/L)	7.48
Serial Number	CC1624003	Specific Conductance (mS/cm)	24.02
Time of deployment (EDT)	15:02, 2 drops	Salinity	14.48
		pH	8.3
		Chl (rfu)	4.1
Surface/Grab:		Chl (ug/L)	17.2
Vegetation/Sediment Type	Muddy sand	Water Type (Marsh, Estuarine)	Bay, Bottom
TB06G(A) - Ekman sampler	0-2 cm	Water Depth (m)	3.5
		Temperature (°C)	28.39
		Dissolved Oxygen (DO) (%)	87
		DO (mg/L)	6.2
		Specific Conductance (mS/cm)	25.21
		Salinity	15.29
		pH	8.16
		Chl (rfu)	3.5
		Chl (ug/L)	14.9
Notes			
TB06G(A) Ekman grab, surface water emptied upon recovery, blades did not fully close due to high sand content, may have washed off some surface sediment.			
Collected two push cores, A is only 9.5cm, B was slightly longer. B will be better for sectioning.			
No ponar grab.			
Photos			