

<b>Site ID</b>		<b>15FWR03-TB01</b>	
Date	November 4, 2015		
USGS Field Activity Number (FAN)	2015-341-FA (15FWR03)		
Field Crew	Marci Marot, BJ Reynolds, Cathryn Wheaton, Cary Lopez, Aliza Karim, Matt Garrett		
Location	Old Tampa Bay, Tampa Bay, Florida		
Platform	<i>R/V Halimeda</i>		
Arrival Time (EST)	9:50	Departure Time (EST)	11:19
Latitude (DD)	28.02001 / 28.02007	Longitude (DD)	-82.67493 / -82.67492
GPS used ( <i>Manf., Model</i> )	Garmin GPSMAP 1040xs	GPS Waypoint	0077 / 0078
Water Depth (m)	2.6 (8.4 ft) / 2.5 (8.3 ft)	Camera ( <i>Manf., Model</i> )	Nikon Coolpix AW100
<b>Sample Type/Sample Info</b>		<b>Sample Type/Sample Info</b>	
<b>Y/N, Time, Measurement</b>		<b>Y/N, Time, Measurement</b>	
<b>Push Core: 4.5" Polycarbonate Barrels</b>		<b>Water Quality Parameters: YSI Professional Plus</b>	
Sediment Type	Mud	Water Type (Marsh, Estuarine)	Bay - Top of water column
Recovered 4.5" OD Core Length (cm) <b>A</b>	30.6-37.2, discarded	Temperature (°C)	24.7
Recovered 4.5" OD Core Length (cm) <b>B</b>	33.0	Barometric Pressure (mmHg)	767.1
Recovered 4.5" OD Core Length (cm) <b>C</b>	31.8-35.0, discarded	Dissolved Oxygen (DO) (%)	108.5
Recovered 4.5" OD Core Length (cm) <b>D</b>	29.5	DO (mg/L)	7.84
		Specific Conductance (mS/cm)	26.61
		Salinity	16.24
<b>Sontek CastAway CTD</b>		pH	8.08
Serial Number	CC1417004	pH (mV)	-68.4
Time of deployment (EST)	11:14	ORP (mV)	-186.5
		Water Type (Marsh, Estuarine)	Bay - Bottom of water column
		Temperature (°C)	27.3
		Barometric Pressure (mmHg)	767.1
		Dissolved Oxygen (DO) (%)	59.2
		DO (mg/L)	4.71
		Specific Conductance (mS/cm)	26.62
		Salinity	16.25
		pH	7.73
		pH (mV)	-48.7
		ORP (mV)	-201.6
<b>Notes</b>			
<p>4 coring attempts, kept the best 2, uneven surfaces on the two that were discarded in the field. Uneven sloping surfaces may be due to pushing in the cores at an angle. Care was taken to keep core barrel and poles vertically straight before pushing into sediment.</p> <p>All cores were pushed into the sediment from the boat and retrieved by divers. Divers noted compaction as barrel was pushed into sediment.</p> <p>Divers recovered PVC handle to corer that was lost on previous coring trip.</p> <p>The core labeled TB01M(B) in the field was renamed TB01M(A) in the lab as it was chosen as the primary core for analysis. The core labeled TB01M(D) in the field was renamed TB01M(B) for analysis. TB01M(B) was x-rayed prior to sectioning. The other 3 cores were not x-rayed.</p>			
<b>Photos</b>			

<b>Site ID</b>		<b>15FWR03-TB02</b>	
Date	November 4, 2015		
USGS Field Activity Number (FAN)	2015-341-FA (15FWR03)		
Field Crew	Marci Marot, BJ Reynolds, Cathryn Wheaton, Cary Lopez, Aliza Karim, Matt Garrett		
Location	Old Tampa Bay, Tampa Bay, Florida		
Platform	<i>R/V Halimeda</i>		
Arrival Time (EST)	11:45	Departure Time (EST)	12:20
Latitude (DD)	27.97195	Longitude (DD)	-82.67299
GPS used ( <i>Manf., Model</i> )	Garmin GPSMAP 1040xs	GPS Waypoint	0079
Water Depth (m)	3.4 (11.0 ft)	Camera ( <i>Manf., Model</i> )	Nikon Coolpix AW100
<b>Sample Type/Sample Info</b>		<b>Sample Type/Sample Info</b>	
	<b>Y/N, Time, Measurement</b>		<b>Y/N, Time, Measurement</b>
<b>Push Core: 4.5" Polycarbonate Barrels</b>		<b>Water Quality Parameters: YSI Professional Plus</b>	
Sediment Type	Mud	Water Type (Marsh, Estuarine)	Bay - Top of water column
Recovered 4.5" OD Core Length (cm)	30.0	Temperature (°C)	26.8
		Barometric Pressure (mmHg)	766.7
		Dissolved Oxygen (DO) (%)	129.7
		DO (mg/L)	9.36
		Specific Conductance (mS/cm)	27.36
		Salinity	16.75
<b>Sontek CastAway CTD</b>		pH	8.24
Serial Number	CC1417004	pH (mV)	-76.4
Time of deployment (EST)	11:51	ORP (mV)	-172.1
		Water Type (Marsh, Estuarine)	Bay - Bottom of water column
		Temperature (°C)	26.4
		Barometric Pressure (mmHg)	766.6
		Dissolved Oxygen (DO) (%)	109.5
		DO (mg/L)	8.05
		Specific Conductance (mS/cm)	27.38
		Salinity	16.77
		pH	8.14
		pH (mV)	-70.8
		ORP (mV)	-178.1
<b>Notes</b>			
YSI bottom reading taken at extent of cable, not on bay bottom			
Divers noted several centimeters of compaction occurring when barrel was pushed into sediment			
Divers noted uneven sediment surface on bay bottom			
First coring attempt was successful. Surface of core appears undisturbed.			
Ponar grab of surface sediment was collected by Cary Lopez for related FWRI research.			
<b>Photos</b>			
3656-3660			

<b>Site ID</b>		<b>15FWR03-TB06</b>	
Date	November 4, 2015		
USGS Field Activity Number (FAN)	2015-341-FA (15FWR03)		
Field Crew	Marci Marot, BJ Reynolds, Cathryn Wheaton, Cary Lopez, Aliza Karim, Matt Garrett		
Location	Old Tampa Bay, Tampa Bay, Florida		
Platform	<i>R/V Halimeda</i>		
Arrival Time (EST)	12:45	Departure Time (EST)	13:13
Latitude (DD)	27.94203	Longitude (DD)	-82.67495
GPS used ( <i>Manf., Model</i> )	Garmin GPSMAP 1040xs	GPS Waypoint	0083
Water Depth (m)	3.7 (12.0 ft)	Camera ( <i>Manf., Model</i> )	Nikon Coolpix AW100
<b>Sample Type/Sample Info</b>		<b>Sample Type/Sample Info</b>	
	Y/N, Time, Measurement		Y/N, Time, Measurement
<b>Push Core: 4.5" Polycarbonate Barrels</b>		<b>Water Quality Parameters: YSI Professional Plus</b>	
Sediment Type	Sandy Mud	Water Type (Marsh, Estuarine)	Bay - Top of water column
Recovered 4.5" OD Core Length (cm)	24.8	Temperature (°C)	26.9
		Barometric Pressure (mmHg)	766.1
		Dissolved Oxygen (DO) (%)	130.5
		DO (mg/L)	9.50
		Specific Conductance (mS/cm)	26.81
		Salinity	16.38
<b>Sontek CastAway CTD</b>		pH	8.17
Serial Number	CC1417004	pH (mV)	-72.9
Time of deployment (EST)	12:48	ORP (mV)	-169.1
		Water Type (Marsh, Estuarine)	Bay - Bottom of water column
		Temperature (°C)	26.2
		Barometric Pressure (mmHg)	766.1
		Dissolved Oxygen (DO) (%)	108.1
		DO (mg/L)	7.95
		Specific Conductance (mS/cm)	27.06
		Salinity	16.56
		pH	8.06
		pH (mV)	-66.6
		ORP (mV)	-175.3
<b>Notes</b>			
First coring attempt was successful!			
Divers noted sediment firmed up quickly with depth.			
<b>Photos</b>			
3661-3665			