

Site ID		16FWR04-TB01	
Date	February 1, 2016		
USGS Field Activity Number (FAN)	2016-312-FA (16FWR04)		
Field Crew	Marci Marot, BJ Reynolds, Cathryn Wheaton, Cary Lopez, Aliza Karim, Matt Garrett		
Platform	R/V <i>Halimeda</i>	Location	Old Tampa Bay, Tampa Bay, Florida
Latitude (DD)	28.02002 / 28.02003	Arrival Time (EST)	10:11
Longitude (DD)	-82.67487 / -82.67483	Departure Time (EST)	12:01
GPS used (<i>Manf., Model</i>)	Garmin GPSMAP 1040xs	Camera (<i>Manf., Model</i>)	Nikon Coolpix AW100
GPS Waypoint	0086 / 0087		
Water Depth (m)	2.5 (8.2 ft) / 2.6 (8.5 ft)		
Sample Type/Sample Info		Sample Type/Sample Info	
	Y/N, Time, Measurement		Y/N, Time, Measurement
Push Core: 4.5" Polycarbonate Barrels		Water Quality Parameters: YSI Professional Plus	
Sediment Type	Mud	Water Type (Marsh, Estuarine)	Bay - Top of water column
Recovered 4.5" OD Core Length (cm) A	23-27	Temperature (°C)	17.4
Recovered 4.5" OD Core Length (cm) B	20	Barometric Pressure (mmHg)	766.1
		Dissolved Oxygen (DO) (%)	113.3
		DO (mg/L)	9.56
		Specific Conductance (mS/cm)	32.44
		Salinity	20.31
Sontek CastAway CTD		pH	8.14
Serial Number	CC1509004	pH (mV)	-72.3
Time of deployment (EST)	10:25	ORP (mV)	34.4
		Water Type (Marsh, Estuarine)	Bay - Bottom of water column
		Temperature (°C)	16.6
		Barometric Pressure (mmHg)	766.1
		Dissolved Oxygen (DO) (%)	82.5
		DO (mg/L)	7.03
		Specific Conductance (mS/cm)	34.15
		Salinity	21.49
		pH	7.83
		pH (mV)	-54.2
		ORP (mV)	27.2
Notes			
Water clarity improved from August and November 2015 samplings, visibility = 2-3 ft			
Diver cores had sloping surfaces or slumping along the side, 2-4cm difference in height of surface, many coring attempts till divers had to get out of water due to low water temperature			
Tried push coring from the boat without divers in the water, kept 2 of the push cores taken without the divers,			
Photos			
3822-3824			

Site ID		16FWR04-TB02	
Date	February 1, 2016		
USGS Field Activity Number (FAN)	2016-312-FA (16FWR04)		
Field Crew	Marci Marot, BJ Reynolds, Cathryn Wheaton, Cary Lopez, Aliza Karim, Matt Garrett		
Platform	<i>R/V Halimeda</i>	Location	Old Tampa Bay, Tampa Bay, Florida
Latitude (DD)	27.97188 / 27.97190	Arrival Time (EST)	12:21
Longitude (DD)	-82.67295 / -82.67292	Departure Time (EST)	13:26
GPS used (<i>Manf., Model</i>)	Garmin GPSMAP 1040xs	Camera (<i>Manf., Model</i>)	Nikon Coolpix AW100
GPS Waypoint	0088 / 0089		
Water Depth (m)	3.4 (11.1 ft) / 3.2 (10.5 ft)		
Sample Type/Sample Info		Sample Type/Sample Info	
	Y/N, Time, Measurement		Y/N, Time, Measurement
Push Core: 4.5" Polycarbonate Barrels		Water Quality Parameters: YSI Professional Plus	
Sediment Type	Muddy sand	Water Type (Marsh, Estuarine)	Bay - Top of water column
Recovered 4.5" OD Core Length (cm) A	17.5-20	Temperature (°C)	17.3
Recovered 4.5" OD Core Length (cm) B	23.5-25	Barometric Pressure (mmHg)	764.3
		Dissolved Oxygen (DO) (%)	118.7
		DO (mg/L)	10.20
		Specific Conductance (mS/cm)	32.95
		Salinity	20.65
Sontek CastAway CTD		pH	8.20
Serial Number	CC1509004	pH (mV)	-75.9
Time of deployment (EST)	12:26	ORP (mV)	15.5
		Water Type (Marsh, Estuarine)	Bay - Bottom of water column
		Temperature (°C)	16.1
		Barometric Pressure (mmHg)	764.1
		Dissolved Oxygen (DO) (%)	90.2
		DO (mg/L)	7.72
		Specific Conductance (mS/cm)	35.16
		Salinity	22.19
		pH	8.05
		pH (mV)	-67.1
		ORP (mV)	4.5
Notes			
First attempt at coring was push cores from the boat without divers - core A at waypoint 0088 was collected by this method			
Core B was taken by divers at waypoint 0089			
Both cores had sloping sediment surface			
Photos			
3825-3826			

Site ID		16FWR04-TB06	
Date	February 1, 2016		
USGS Field Activity Number (FAN)	2016-312-FA (16FWR04)		
Field Crew	Marci Marot, BJ Reynolds, Cathryn Wheaton, Cary Lopez, Aliza Karim, Matt Garrett		
Platform	<i>R/V Halimeda</i>	Location	Old Tampa Bay, Tampa Bay, Florida
Latitude (DD)	27.94196	Arrival Time (EST)	13:45
Longitude (DD)	-82.67498	Departure Time (EST)	14:22
GPS used (<i>Manf., Model</i>)	Garmin GPSMAP 1040xs	Camera (<i>Manf., Model</i>)	Nikon Coolpix AW100
GPS Waypoint	0093		
Water Depth (m)	3.8 (12.4 ft)		
Sample Type/Sample Info		Sample Type/Sample Info	
Push Core: 4.5" Polycarbonate Barrels		Water Quality Parameters: YSI Professional Plus	
Sediment Type	Muddy sand	Water Type (Marsh, Estuarine)	Bay - Top of water column
Recovered 4.5" OD Core Length (cm) A	19-21.5	Temperature (°C)	16.9
Recovered 4.5" OD Core Length (cm) B	21-22	Barometric Pressure (mmHg)	763.1
		Dissolved Oxygen (DO) (%)	113.0
		DO (mg/L)	9.64
		Specific Conductance (mS/cm)	33.51
		Salinity	21.05
Sontek CastAway CTD		pH	8.25
Serial Number	CC1509004	pH (mV)	-78.7
Time of deployment (EST)	13:52	ORP (mV)	12.1
		Water Type (Marsh, Estuarine)	Bay - Bottom of water column
		Temperature (°C)	16.0
		Barometric Pressure (mmHg)	763.1
		Dissolved Oxygen (DO) (%)	96.5
		DO (mg/L)	8.32
		Specific Conductance (mS/cm)	35.34
		Salinity	22.32
		pH	8.12
		pH (mV)	-70.9
		ORP (mV)	15.5
Notes			
Cores collected with divers, both cores taken at same boat location.			
The core labeled B in the field was relabeled A in the lab, and the field core A was relabeled core B in the lab for consistency in naming of the non-x-rayed (A) vs x-rayed (B) cores.			
Core lengths recorded above corresponded to the core names given in the field.			
Photos			
3827-3829			