**Metadata Summary: Ft. DeSoto Seagrass Data**

**Dataset Type:** non-spatial database

**Name of Data Source:** FD\_seagrass

**Number of Water Resources Sampled:** 7 sites in Ft. DeSoto Bay and 2 fixed transects (with 30-m belts every 100 m) on the east and west sides of the maintenance bridge

**Datasource Abbreviation (dataset):** Random\_locations, Fixed\_short, Fixed\_long

**Description of Datasource:** Seagrass data was collected at 7 randomized locations in Ft. DeSoto Bay, Pinellas County, Florida in October 2019. Instantaneous water quality parameters were recorded using a Hydrolab multiparameter meter at the surface (approximately 0.2 m) of the water column at each site. Seagrass data was collected along 2 fixed transects perpendicular to the east (300-m transect) and west (340-m transect) of the maintenance bridge, with 30-m perpendicular transects (parallel to shore) every 100 m along the longer fixed transects. Seagrass abundance was assessed every 5-m on the short transects (7 randomized and 30-m belts), and

5 blade lengths and 3 shoot density counts were taken for all seagrass species present every 15 m. Seagrass abundance was recorded using the Braun-Blanquet methodology every 10 m along the long fixed transects. Five blade lengths and 3 shoot density counts were recorded every 50 m on the long fixed transects.

**Data Collection Locations:**

Random locations in Ft. DeSoto Bay:

Start of transect End of transect

FD-07-19 27.629450 -82.729770 27.62928 -82.72948

FD-03-19 27.624470 -82.726640 27.6243 -82.72631

FD-08-19 27.623760 -82.721230 27.62342 -82.72114

FD-05-19 27.64835 -82.69202 27.64806 -82.69202

FD-06-19 27.65075 -82.70232 27.6508 -82.7023

FD-01-19 27.64724 -82.70686 27.64688 -82.70718

FD-02-19 27.64046 -82.71306 27.64009 -82.71313

FD-04-19 27.64345 -82.71454 27.64384 -82.7145

Fixed transects:

FDW-0-19 27.62945 -82.70884

FDW-100-19 27.62936 -82.70972

FDW-200-19 27.62925 -82.71084

FDW-300-19 27.62916 -82.71152

FDE-0-19 27.62959 -82.70816

FDE-100-19 27.63021 -82.70742

FDE-200-19 27.63091 -82.70676

FDE-300-19 27.63156 -82.70606

**Data Parameters Collected:**

Weather/site conditions:

Strata, Site, Year (yyyy), Date (mm/dd/yyyy), Time (HH:mm), Tide conditions, Site comments

Water Conditions:

Total depth (m), Secchi depth (m), Temperature (ºC), Salinity (ppt), pH, Dissolved oxygen (DO; mg/L), Transmissivity (%)

Seagrass data – random locations and belted 30-m transects:

Total Submerged Aquatic Vegetation (SAV; %), Drift algae abundance (%), Dominant sediment and secondary sediment type, Depth (cm), Comments  
*For each seagrass species:*

Abundance (%), Health (Very Good, Good, Fair, Poor), Blade length (cm; 5 measurements), Density (shoots/m2; 3 measurements), Epiphytes observed and their affiliated densities (Light, Moderate, Heavy)

Seagrass data – long fixed transects:

Drift algae abundance (%), Dominant sediment and secondary sediment type, Depth (cm), Comments

*For each seagrass species:*

Abundance (% categories), Health (Excellent, Good, Fair, Poor), Blade length (cm; 5 measurements), Density (shoots/m2; 3 measurements), Epiphytes observed and their affiliated densities (Light, Moderate, Heavy)

**Method of Transferring Data to the Atlas:** Transfer via FTP site

**How Often Data is Transferred to the Atlas:** Annually

**Data Current as of:** 05/04/2020   
  
**Disclaimer/Use Constraints:** None   
  
**Custodian Information:**   
Pinellas County Public Works   
Division of Environmental Management  
Contact Name: Emma Dontis  
Contact Phone: (727) 464-4425   
Contact E-mail: [edontis@pinellascounty.org](mailto:edontis@pinellascounty.org)   
Contact URL: [www.pinellascounty.org](http://www.pinellascounty.org)