**Metadata Summary: Ft. DeSoto Benthic (EMAP) Data**

**Dataset Type:** non-spatial database

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

**Number of Water Resources Sampled:** 15 Sites in Ft. Desoto Bay

**Datasource Abbreviation (dataset):** FD\_EMAP, FD\_Bio

**Description of Datasource:** Benthic grabs were taken at 7 randomized locations in Ft. DeSoto Bay, Pinellas County, Florida in August 2019 and 8 randomized locations in August 2020 for laboratory analyses of sediment composition and biological complexity. Instantaneous water quality parameters were recorded at the surface of the water column (approximately 0.1 m depth) and at the bottom of the water column using a YSI multiparameter meter.

**Data Collection Locations:** 15 randomized locations within Ft. DeSoto Bay:

FD-01-19 27.62882 -82.73014

FD-02-19 27.63387 -82.72483

FD-03-19 27.63578 -82.71535

FD-04-19 27.63921 -82.71481

FD-05-19 27.63899 -82.70701

FD-06-19 27.64614 -82.70973

FD-07-19 27.64675 -82.69734

FD-01-20 27.62243 -82.73053

FD-02-20 27.62671 -82.71315

FD-03-20 27.63134 -82.70688

FD-04-20 27.63876 -82.72935

FD-05-20 27.64000 -82.72461

FD-06-20 27.64433 -82.69932

FD-07-20 27.65112 -82.69981

FD-08-20 27.62965 -82.72157

**Data Parameters Collected:**

**FD\_EMAP:**

Weather/site conditions:

Strata, Site, Year (yyyy), Date (mm/dd/yyyy), Time (HH:mm), Latitude, Longitude, Weather category, Major sediment in sample, Minor sediment in sample, SAV type (if present), Notes

Water Conditions:

Surface depth (m), Bottom depth (m), Temperature (ºC), pH, Dissolved oxygen (DO; mg/L), Conductivity (mS/cm), Salinity (ppt)

*Laboratory analyses (including qualifier codes, if applicable):*

Aldrin (mg/kg), alpha-BHC (mg/kg), beta-BHC (mg/kg), delta-BHC (mg/kg), gamma-BHC (mg/kg), Chlordane (mg/kg), 4,4'-DDD (mg/kg), 4,4'-DDE (mg/kg), 4,4'-DDT (mg/kg), Dieldrin (mg/kg), Endosulfan I (mg/kg), Endosulfan II (mg/kg), Endosulfane Sulfate (mg/kg), Endrin (mg/kg), Endrin Aldehyde (mg/kg), Endrin ketone (mg/kg), Heptachlor (mg/kg), Heptachlor Expoide (mg/kg), Methoxychlor (mg/kg), Toxaphene (mg/kg), Tetrachloro-m-xylene (S) (%), Decachlorobiphenyl (S) (%), PCB-1016 (Aroclor 1016) (mg/kg), PCB-1221 (Aroclor 1221) (mg/kg), PCB-1232 (Aroclor 1232) (mg/kg), PCB-1242 (Aroclor 1242) (mg/kg), PCB-1248 (Aroclor 1248) (mg/kg), PCB-1254 (Aroclor 1254) (mg/kg), PCB-1260 (Aroclor 1260) (mg/kg), Tetrachloro-m-xylene (S) (%), Decachlorobiphenyl (S) (%), Aluminium (mg/kg), Antimony (mg/kg), Arsenic (mg/kg), Cadmium (mg/kg), Chromium (mg/kg), Copper (mg/kg), Iron (mg/kg), Lead (mg/kg), Manganese (mg/kg), Nickel (mg/kg), Selenium (mg/kg), Silver (mg/kg), Tin (mg/kg), Zinc (mg/kg), Mercury (mg/kg), 1-Methylnaphthalene (mg/kg), 2-Methylnaphthalene (mg/kg), Acenaphthene (mg/kg), Acenaphthylene (mg/kg), Anthracene (mg/kg), Benzo(a)anthracene (mg/kg), Benzo(a)pyrene (mg/kg), Benzo(b)fluoranthene (mg/kg), Benzo(g,h,i)perylene (mg/kg), Benzo(k)fluoranthene (mg/kg), Chrysene (mg/kg), Dibenz(a,h)anthracene (mg/kg), Fluoranthene (mg/kg), Fluorene (mg/kg), Indeno(1,2,3-cd)pyrene (mg/kg), Naphthalene (mg/kg), Phenanthrene (mg/kg), Pyrene (mg/kg), Nitrobenzene-d5 (S) (%), 2-Fluorobiphenyl (S) (%), p-Terphenyl-d14 (S) (%), Percent Sand % (w/w), Percent Clay % (w/w), Percent Silt % (w/w), Texture, Very Fine Sand %(w/w), Percent Moisture (%)

**FD\_Bio:**

Station, Date (mm/dd/yyyy), Latitude, Longitude, NODCCODE, Taxa Group, Phylum, Subphylum, Class, Subclass, Infraclass, Order, Suborder, Infraorder, Superfamily, Family, Previous Name, Genus, Name (genus and species, if applicable), Colonial/Planktonic, Count (#/m2), ID\_Comments, Taxa\_Description, Voucher\_Comments

**Method of Transferring Data to the Atlas:** Sent directly to TBEP

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

**Data Current as of:** 02/28/2022  
  
**Disclaimer/Use Constraints:** None   
  
**Custodian Information:**   
Pinellas County Public Works   
Division of Environmental Management  
Contact Name: Emma Dontis  
Contact Phone: (727) 464-4798  
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