Preliminary Maine Coastal 2003 Database

The purpose of this document is to provide an overview of the preliminary Coastal 2003 Maine database. These data are available to Coastal 2003 Partners for purposes of verification and validation and are not meant for public dissemination. This database will not be finalized until laboratory analyses of samples collected in the field are complete. Field data are stored in a format closely based on field datasheets. Data for Nutrients analyses are in the laboratory format provided. These have undergone initial QA checks. However they do not constitute a final database.

1) Database Overview

The data sets that make up the database are:

Date/Location Data:	STATIONS	Sampling Station Location Data
	EVENTLOG	Station Visit Data
	BOATLOC	Detailed Sampling Location data
	SAMPLOG	All Samples collected at station
Water Quality Data:	WATRPHYS	Water Quality Physical Measurements Data
	CTDRET	Water Quality QA data
	NUTSAMPS	Water Quality Nutrients Sample Information
Sediment Quality Data:	SEDGRABS	Sediment Sample Information
	BENGRABS	Benthic Sample Information

2) Data Set Descriptions:

STATIONS

NAME	LABEL
STATION	National Coastal Assessment Station Name
STAT_ALT	Alternate Site Code (A,B,C)
STATE	State where Station is Located
MAP	Station Map
ESTUARY	Estuary Name
STA_LAT	Latitude (decimal degrees)
STA_LNG	Longitude (decimal degrees)
ST_COOP	State Doing the Sampling
LOCAL_ID	Station Identifier Used by State

EVENTLOG

NAME	LABEL
STATION	Station Identifier
STAT_ALT	Alternate Site Sampled (A, B, or C)
EVNTDATE	Event Date
CTDRET	Number of CTD Casts for Event
FLTCHL	Number of Chlorophyl Filters for Event
WTRNUT	Number of Dissolved Nutrient Samples for
WTRTSS	Number of TSS Samples for Event
SEDTOX	Number of Sed Tox Samples for Event
SEDGRN	Number of Sed Grain Size Samples for Event
SEDORG	Number of Sed Organics Samples for Event
SEDMET	Number of Sed Metals Samples for Event

BENINF	Number of Benthic Infauna Samples for Event
STDTRL	Number of Standard Fish Trawls for Event
FSHCHM	Number of Fish Chemistry Samples for Event
FSHTQA	Number of Fish Taxon QA Samples for Event
FSHPQA	Number of Fish Path. Samples for Event

BOATLOC

NAME	LABEL
STATION	Station Identifier
EVNTDATE	Event Date
STAT_ALT	Alternate Site Sampled (A, B, or C)
VISNUM	Number of Visit to this Station
BOATNAME	Boat Used for Sampling Event
CRWCHIEF	Crew Chief During Sampling Event
CRWMEMB1	Crew Member During Sampling Event (#1)
CRWMEMB2	Crew Member During Sampling Event (#2)
CRWMEMB3	Crew Member During Sampling Event (#2)
LANDCREW	Crew Member in Mobile Laboratory
VISITOR1	Authorized Visitor (#1)
EVNTPURP	Reason Authorized Person is Present
WTH_SUN	Weather Conditions--Sunny (Y/N)
WTH_PSUN	Weather Conditions--Partly Sunny (Y/N)
WTH_OCST	Weather Conditions--Overcast (Y/N)
WTH_RAIN	Weather Conditions--Rainy (Y/N)
WTH_WIND	Weather Conditions--Windy (Y/N)
WTH_FOG	Weather Conditions--Foggy (Y/N)
SEACOND	Sea Conditions during Event
BEGTIME	Time of Beginning of Sampling Event
STADEPTH	Depth of Water at Station (m)
HTIDTIME	Time of High Tide on day of Sampling
STAMOVED	Was the Station Moved?
COORDFRM	Coordinates Taken from Which Instrument?
EVNT_LAT	Event Latitude-Decimal Degrees
EVNT_LNG	Event Longitude-Decimal Degrees
TRASH	Trash present at Station
PLASTIC	Trash at Station-Plastic
MEDWASTE	Trash at Station-Medical Waste
WOOD	Trash at Station- Wood
TIRES	Trash at Station-Tires
CANS	Trash at Station-Aluminum Cans
PAPER	Trash at Station-Paper
OILSLICK	Oil Slick on water at Station
OTH_TRSH	Other Trash as Station- description
STA_COMM	Station Information- comments
SAV	Submerged Aquatic Vegetation visible
MACROALG	Macro-Algae present at Station
INTERTID	Station is in Intertidal Zone
ENDTIME	Time Sampling Event Ended
PKGQABY	Data Package QA Person

SAMPLOG

NAME	LABEL
SAMPLEID	Sample Identification Number
STATION	Station Identifier
STAT_ALT	Alternate Site Sampled (A, B, or C)
EVNTDATE	Event Date
SAMPTYPE	Code for Sample Type

WATRPHYS

NAME	LABEL
STATION	Station Identifier
EVNTDATE	Event Date
STAT_ALT	Alternate Site Sampled (A, B, or C)
SL_TEMP	Surface Layer-Temperature from CTD (deg. C)
SL_SAL	Surface Layer-Salinity from CTD (ppt)
SL_OXY	Surface Layer-Dissolved Oxygen from CTD (mg/l)
SL_PH	Surface Layer-pH (pH units)
SL_DEPTH	Depth of Surface Readings (m)
BL_TEMP	Bottom Layer-Temperature from CTD (deg. C)
BL_SAL	Bottom Layer-Salinity from CTD (ppt)
BL_OXY	Bottom Layer-Dissolved Oxygen from CTD (mg/l)
BL_PH	Bottom Layer-pH (pH units)
BL_DEPTH	Depth of Bottom Layer Readings (m)

CTDRET

NAME	LABEL
STATION	Station Identifier
STAT_ALT	Alternate Site Sampled (A, B, or C)
EVNTDATE	Event Date
SAMPLEID	Sample ID Number Related to Sample Type
SECCHI_D	Secchi Depth (me)
SECC_BOT	Secchi Disk on Bottom?
CASTTIME	Time CTD Cast was Performed
CTDFILE	CTD file name at downloading
CTD_ID	ID Number of CTD Used for Cast
CTDDEPTH	Water Depth Read with CTD
PARFILE	PAR file name at downloading
SUNITTMP	Surface Temperature from CTD (deg. C)
SUNITSAL	Surface Salinity from CTD (ppt)
SUNIT_DO	Surface Dissolved Oxygen from CTD (mg/L)
SAMBITMP	Surface Temp. from Thermometer (deg. C)
SAMBISAL	Surface Sal. from Refractometer (ppt)
SAMBI_DO	Surface Dissolved Oxygen from YSI (mg/L)
SDIFF_OX	Surface DO Difference, CTD vs YSI (mg/L)
BUNITTMP	Bottom Temperature from CTD (deg. C)
BUNITSAL	Bottom Salinity from CTD (ppt)
BUNIT_DO	Bottom Dissolved Oxygen from CTD (mg/L)
BUNIT_PH	Bottom pH (pH units)
CTDCOMM	CTD Cast Coments

NUTSAMPS

NAME	LABEL
STATION	Station Identifier
STAT_ALT	Alternate Site Sampled (A, B, or C)
EVNTDATE	Event Date
LAYER	Water Layer of Nutrients Sample
REP	Nutrient Sample Field Replicate #
NUT_SAL	Water Salinity for Nutrient Sample
VOL_FLT	Volume Filtered for Nutrient Samples
FILTMETH	Filtration Method (V/P)
CHL_ID	Chlorophyll Sample Id.

NAME	LABEL
NUT_ID	Dissolved Nutrients Sample Id.
TSS_ID	TSS Sample Id.
TN_ID	Total Nutrients Sample Id.
NUT_COMM	Nutrients Comments

SEDGRABS

NAME	LABEL
STATION	Station Identifier
STAT_ALT	Alternate Site Sampled (A, B, or C)
EVNTDATE	Date of Sampling Event
HOMGRABS	Grabs in Homogenized Sediment Sample (#)
HOMGFAIL	Unsuccessful Grabs (#)
ALLSAMPS	All Samples Collected?
S_REASON	Reason Samples not Collected
SEDCOMM	Comment on Grab Attempts

BENGRABS (BENINF)

NAME	LABEL
SAMPLEID	Benthic Infauna Sample ID Number
STATION	Station Identifier
STAT_ALT	Alternate Site Sampled (A, B, or C)
EVNTDATE	Event Date
BENGRAB	Grab Associated with Infauna Sample (#)
GRABSIZE	Size of Benthic Grab Sampler
BENDEPTH	Penetration Depth of Grab in Sed. (mm)
BEN_SAV	Submerged Aquatic Veg. in Benthic Sedime
BEN_ALG	Algae Present in Benthic Sediment
BEN_JARS	Number of Jars Used to Hold Sample (#)
BENCOLOR	Benthic Sediment Color
BENTYPE	Benthic Sediment Type
BENOOZY	Benthic Sediment Notes--Oozy
BENHARD	Benthic Sediment Notes--Hard
BENSOFT	Benthic Sediment Notes--Soft
BENSHELL	Benthic Sediment Notes--Shell
BENROCKS	Benthic Sediment Notes--Rocks
BENNOOTH	Benthic Sediment Notes--Other
BENSMELL	Benthic Sediment Smell
BENWORMS	Worms found in Benthic Sediment
BENTUBES	Worm Tubes found in Benthic Sediment
BENCRUST	Crustaceans found in Benthic Sediment
BENECHIN	Echinoderms found in Benthic Sediment
BENVEG	Vegetation found in Benthic Sediment
BENMOLL	Molluscs found in Benthic Sediment
BENAMP	A. abdita found in Benthic Sediment
BENBIOTH	Other Infauna found in Benthic Sediment
ALLBSMPS	All Benthic Samples taken
B_REASON	Reason Benthic Samples NOT taken
B_COMMNT	Benthic Grab Comment