

List of file or naming convention(s): one file contains all data – 20-mm.mdb

Structure of the 20mm database (format/legend/header):

**Table – “20mm Stations”**

<u>Variable</u>	<u>Column</u>	<u>Description</u>
Station	1	Project station number (e.g. 323)
LatD	2	Latitude Degrees (North)
LatM	3	Latitude Minutes
LatS	4	Latitude Seconds
LonD	5	Longitude Degrees (West)
LonM	6	Longitude Minutes
LonS	7	Longitude Seconds
RKI	8	River Kilometer Index
Location	9	Description of sampling station
AreaCode	10	Region of estuary where station is located
Notes	11	Comments pertaining to sampling station

**Table – “Catch”**

<u>Variable</u>	<u>Column</u>	<u>Description</u>
Date	1	Date (mm/dd/yyyy) when sampling occurred
Station	2	Project station number
Tow	3	Tow number (e.g. 1, 2, or 3)
Fish Code	4	Numeric code (xx) assigned to each fish taxon
Catch	5	Number of fish taxon sampled per tow
1/4 Subsampled	6	A 1/4 sample of the total sample
1/2 Subsampled	7	A 1/2 sample of the total sample

**Table – “Fish Codes”**

<u>Variable</u>	<u>Column</u>	<u>Description</u>
Common Name	1	Common name of the fish taxon sampled
Genus	2	Genus name of fish
Species	3	Species name of fish
Family	4	Family name of fish
Fish Code	5	Numeric code assigned to each fish taxon
Symbol	6	Letter symbol (2 or 3 letters) for each fish taxon
TNS Field	7	Field name used in Townet Survey data sets

MWT Species Code	8	Numeric code used in Mid-water Trawl data sets
MWT Field	9	Field name used in Mid-water Trawl data sets

**Table – “Lengths”**

<u>Variable</u>	<u>Column</u>	<u>Description</u>
Date	1	Date (mm/dd/yyyy) when sampling occurred
Station	2	Project station number
Tow	3	Tow number
Fish Code	4	Numeric code assigned to each fish taxon
Length	5	Fork length (mm) of each fish taxon sampled
entry order	6	Auto number

**Table – “Tow Info”**

<u>Variable</u>	<u>Column</u>	<u>Description</u>
Date	1	Date (mm/dd/yyyy) when sampling occurred
Station	2	Project station number
Tow	3	Tow number
Time	4	Time of day (24:00) when sampling started
Tide	5	Tide stage (1-high, 2-ebb, 3-low, or 4 flood)
Bottom Depth	6	Water depth (feet) at station
Cable Out	7	Amount of line out on tow
Duration	8	Time (minutes) of an individual tow
Net Meter Serial	9	Serial number of the net flow meter
Net Meter Start	10	Net meter reading at beginning of tow
Net Meter End	11	Net meter reading at end of tow
Net Meter Check	12	Difference between end and start net readings
CB Meter Serial	13	Serial number of the CB flow meter
CB Meter Start	14	CB meter reading at beginning of tow
CB Meter End	15	CB meter reading at end of tow
CB Meter Check	16	Difference between end and start CB readings
Comments	17	Comments pertaining to the tow.

**Table – “Water Info”**

<u>Variable</u>	<u>Column</u>	<u>Description</u>
Survey	1	A sequential number indicating the completion of all or most stations in the study area on a bi-weekly basis

Date	2	Date (mm/dd/yyyy) when sampling occurred
Station	3	Project station number
Temp	4	Temperature (°C) of a station
Top EC	5	Surface electro-conductivity (μS/cm)
Bottom EC	6	Bottom electro-conductivity (μS/cm)
Secchi	7	Water transparency (cm)
Turbidity	8	Turbidity (NTU)
Latitude	9	Latitude (WGS1984 DMS)
Longitude	10	Longitude (WGS1984 DMS)
Comments	11	Comments pertaining to the station

**Table – “Wt\_factors”**

<u>Variable</u>	<u>Column</u>	<u>Description</u>
ID	1	Auto number
Station	2	Project station number
Wt Factor	3	Estimated volume of water in acre-feet at each station
Comments	4	Comments pertaining to the weight factors

**Table – “Zoo Catch”**

<u>Variable</u>	<u>Column</u>	<u>Description</u>
Date	1	Date (mm/dd/yyyy) when sampling occurred
Station	2	Project station number
CellNumber	3	Sequential number of 1 ml slides used to identify organisms in a sample, not valid until 2004 (used to replace "Cells")
Zoo Code	4	Numeric code assigned to each invertebrate
Count	5	Number of invertebrate taxon sampled per tow

**Table – “Zoo Codes”**

<u>Variable</u>	<u>Column</u>	<u>Description</u>
Zoo Code	1	Numeric code for each invertebrate species
Common Name	2	Common name of the invert taxon sampled
Phylum	3	Phylum of the invertebrate
Class	4	Class of the invertebrate

Order	5	Order of the invertebrate
Family	6	Family of the invertebrate
Genus	7	Genus of the invertebrate
Species	8	Species of the invertebrate
Zoo Order	9	Order categories appear on zooplankton data sheet
Diet Order	10	Order categories appear on diet data sheet
POD Diet Order	11	Pelagic Organism Decline diet codes

**Table – “Zooplankton”**

<u>Variable</u>	<u>Column</u>	<u>Description</u>
Date	1	Date (mm/dd/yyyy) when sampling occurred
Station	2	Project station number
CellNumber	3	Sequential number of 1 ml slides used to identify organisms in a sample, not valid until 2004 (used to replace "Cells")
Dilution	4	Total ml the sample was diluted to
Cells	5	Number of 1 ml slides looked at to identify organisms (valid from 1995-2003)
Total	6	Total number of organisms Identified (not including rotifers)
Zoo Comments	7	Comments pertaining to Zooplankton data sheets
Ider	8	Name of sample processor
Scope No	9	Scope number
Proc Date	10	Date sample processed