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

Structure of the NBA database (format/legend/header):

Table – "Catch"

Variable	Column	Description
Date	1	Date (mm/dd/yyyy) when sampling occurred
Station	2	Project station number
Fish Code	3	Numeric code (xx) assigned to each fish taxon
Catch	4	Number of fish taxon sampled
Entry order	5	Auto number

Table – "CPUE"

Variable	Column	Description
Date	1	Date (mm/dd/yyyy) when sampling occurred
Station	2	Project station number
Cubic Meters Sampled	3	Volume (m^3) of water sampled
Delta smelt	4	Number of DS sampled
Density	5	Number of DS per 1000 m^3

Table – "Day Flow"

Variable	Column	Description
Date	1	Date (mm/dd/yyyy) when sampling occurred
Day Flow	2	Daily mean flow rate diverted to the NBA

Table – "Fish Codes"

Variable	Column	Description
Common Name	1	Common name of the fish taxon sampled
Genus	2	Genus name of each fish taxon
Species	3	Species name of each fish taxon
Family	4	Family name of each fish taxon
Fish Code	5	Numeric code (xx) 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"

Variable	Column	Description
Date	1	Date (mm/dd/yyyy) when sampling occurred
Station	2	Project station number
Fish Code	3	Numeric code assigned to each Osmerid spp.
Length	4	Fork length (mm) of each Osmerid sampled
Count	5	Number of each Osmerid spp. sampled
Entry order	6	Auto number

Table – "NBA Entrainment"

Variable	Column	Description
Date	1	Date (mm/dd/yyyy) when sampling occurred
Catch 721	2	Number of delta smelt (DS) at station 721
Catch 727	3	Number of DS at station 727
Catch 720	4	Number of DS at station 720
Weighted Average	5	Weighted mean DS catch of: 721, 727, 720
Day Flow	6	Cubic Feet per Second (CFS)
5 Day Running Average	7	5 day average of flow rate diverted to NBA (CFS)
Wtd Entrainment Est.	8	Weighted mean DS density * total water exported

Table – "NBA Stations"

Variable	Column	Description
Station	1	Project station number (e.g. 721)
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
Notes	10	Comments pertaining to sampling stations

Table – "Tow Info"

Variable	Column	Description
Date	1	Date (mm/dd/yyyy) when sampling occurred
Station	2	Project station number
Time	3	Time of day (24:00) when sampling started
Tow Depth	4	Water depth (feet) of tow at station
Duration	5	Time (minutes) of tow
Net ID	6	Number of the net
EL Meter Serial	7	Serial number of the net flow meter
EL Meter Start	8	Net meter reading at start of tow
EL Meter End	9	Net meter reading at end of tow
EL Meter Check	10	Difference between end and start net readings
Tow Comments	11	Comments pertaining to the tow.

Table – "Water Info"

Variable	Column	Description
Date	1	Date (mm/dd/yyyy) when sampling occurred
Station	2	Project station number
Tide	3	Tide stage (1-high, 2-ebb, 3-low, or 4-flood)
Secchi	4	Water transparency (cm)
Bottom Depth	5	Water depth (feet) of bottom at station
Temp	6	Temperature (^{o}C) at a station
Top EC	7	Surface electro-conductivity ($\mu S/cm^2$)
Bottom EC	8	Bottom electro-conductivity ($\mu S/cm^2$)
Water Comments	9	Comments pertaining to the station

Revised: June 2, 2004