

Crayfishes of Indiana Database Dictionary

Simon, Worden

Structure of: **site** tab in **crayfish database template.xls**

This table contains information that pertains strictly to sampling locations. The key field in this table will be “FieldNum”. The “FieldNum” will relate to the sampling event table, which in turn will be linked to the raw crayfish data table.

Field Name	Description of Field
FieldNum	Number assigned to individual site locations. Key field linking site data to event data. This field will begin with alpha fields in the form of the main collectors’ (or organization’s) initials.
Waterbody	This is the name of the stream, lake, wetland etc. Assignment of name used here may come from several different sources (ie RF3 file from USEPA, or from 7.5 topological maps etc.).
Location	Location description of site. Often contains names of street, bridge or facility.
NearestTown	Name of town nearest to the sampling location.
Township1	Township in which the sample is collected.
Township2	Additional Township used when sampling location overlaps two township areas.
County 1	County (for Township1) in which the sample was collected.
County 2	Additional County listing (for Township2) used when sampling occurs on a waterbody dividing county boundaries.
State1	State (for County1) in which the sample was collected.
State2	Additional State (for County2) listing used when sampling occurs on a waterbody dividing state boundaries.
TRS	Township, Range and Section (ex.: T6N R3W S16).
Continent	Continent on which the sample was collected.
Country	Country in which the sample was collected.
Salinity	Freshwater or Marine
LATDEG	Latitude degrees.
LATMIN	Latitude minutes.
LATSEC	Latitude seconds.
LATDD	Latitude in decimal degrees.
LONGDEG	Longitude degree (negative number).
LONGMIN	Longitude minutes.
LONGSEC	Longitude seconds.
LONGDD	Longitude in decimal degrees (negative number).
HUC	8-14 digit Hydrologic Unit Code, assigned to delineate watersheds, sub-watersheds etc.
Gradient	Slope of site in feet/mile.
DrainArea	Drainage area in square miles.
Remarks	Comments regarding this particular site.
Cataloger	Initial of first name followed by surname of individual entering information.

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Structure of: **event** tab in **crayfish database template.xls**

This table contains information specific to each individual sampling event. It will relate back to the site table (via “FieldNum”) in a one to many relationship, and forward into the raw crayfish data (via “SiteCode”) in a one to many relationship. It will serve as the pivotal table (or “bridge”) between these two sources of data.

Field Name	Description of Field
Fieldnum	Number assigned to individual site locations. Key field linking site data to event data. This field will begin with alpha fields in the form of the main collectors’ (or organization’s) initials.
SiteCode	Number assigned to individual sampling events at site locations. Key field linking event data to crayfish data. This field will begin with alpha fields in the form of the main collectors’ (or organization’s) initials.
ProjectCode	Replaces UMMZ from older format. This is an alpha field (sometimes includes numeric entry) that describes the agency, school, individual etc. in charge of the sampling event (for example, IDNR, IDEM, SIMON, FISHER), followed by the project name (for example, Interior River Lowland, Central Corn Belt Plain).
Collectors	Name(s) (usually in the form of initials of first and middle name followed by surname) of the crew members involved in the sample collection separated by a comma.
Month	Month (numeric) of the Year.
Day	Day of the Month.
Year	Year in which sample was collected.
Date	Combined date (mm/dd/yyyy format).
CrustaceanGear	Gear used in collection (see table below) of crayfish.
CrustaceanEffort	If electrofishing gear was used to collect crustaceans, time spent shocking (in seconds).
Comments	Comments regarding this particular sampling event.

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This table contains numeric codes for specimen collection gear. If a gear description is not listed, please contact the collection manager at the Indiana Biological Survey – Aquatic Research Center to add the gear description.

Gear	Description	Gear Type	Fish	Crustacean	Mussel
0	Unknown Gear		X	X	X
1	Boat	Electrofishing	X	X	
2	Tote Barge	Electrofishing	X	X	
3	Scanoes (sport canoe)	Electrofishing	X	X	
4	Longline	Electrofishing	X	X	
5	Backpack	Electrofishing	X	X	
6	Electric Seine	Electrofishing	X	X	
7	Seine	Net	X	X	
8	Gill Net	Net	X		
9	Trammel Net	Net	X		
10	Dip Net	Net	X	X	
11	Trawl	Net	X		
12	Fyke Net	Net	X		
13	Hoop Net	Net	X		
14	Backpack with seine (kick-shock)	Other	X	X	
15	Angling	Other	X		
16	Visual	Other	X	X	
17	Hand	Other	X	X	
18	Rotenone	Other	X	X	
19	Dynamite	Other	X	X	
20	Brail	Other			X
21	Diving	Other			X
22	Physical Search	Other			X
23	Quadrat Sampling	Other			X
24	Plunger	Other		X	
25	Spade	Other		X	
26	Activity Trap	Other		X	

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Structure of: **crayfish** tab in **crayfish database template.xls**

This table contains all of the raw crayfish data collected during the sampling event. It is connected to the sampling event via “sitecode”. It is also connected to the crayfish characteristics table (bigcrayfishname) via “speciescode”.

Field Name	Description of Field
LastMod	Date of last changes to record entry.
DateCreate	First date of record entry.
SiteCode	Number assigned to individual site locations. Key field linking event data to fish data. This field will begin with alpha fields in the form of the main collectors' (or organization's) initials.
Inventory	
DEAccess	
INBSC	Indiana Biological Survey museum number. Assigned by collection manager.
SpeciesCode	3-digit species (voucher) code used to distinguish individual species. Key field linking raw data to the fish characteristics table.
Genus	Genus name of crayfish species.
Subgenus	Subgenus name of crayfish species.
Species	Species name of crayfish species.
Subspecies	Subspecies name of crayfish species.
Typestat	
Question	
Determiner	Initials of first and middle name followed by surname of individual determining correct species identification.
Total	Total number of individuals collected for a species.
Male1	Total number of first form males collected for a species.
Male2	Total number of second form males collected for a species.
Female	Total number of females collected for a species.
Hermaphrodite	Total number of hermaphrodites collected for a species.
Ovig	Total number of ovigerous females collected for a species.
Juvs	Total number of juveniles collected for a species when sex cannot be determined.
Juv-M	Total number of male juveniles collected for a species.
Juv-F	Total number of female juveniles collected for a species.
Egg No	Total number of eggs collected from an ovigerous female for a species.
Instar no	
Partial	Total number of crayfish parts (usually chelae) collected for a species.
Prep	Preservative used.
Onloan	
TaxHist	
Carapace length (mm)	
Remarks	Comments regarding this particular species.
Remarks2	Comments regarding this particular species.