# WDI Metadata Template (2019)[[1]](#footnote-1)

Data should be in csv text file. If starting with an Excel spreadsheet, please make sure it does not contain any formulas and comments on cells. If you need comments put them in their own column. If data were used in a database and major table linking is necessary to analyze, please de-normalize into a flat file, not just database table exports. Please feel free to be as descriptive as needed, there are no word limitations.

## Dataset Title

New Mexico Department of Game and Fish Native Fish Monitoring Data

## Short name or nickname you use to refer to this dataset:

Native Fish Monitoring Data

## Abstract

The New Mexico Department of Game and Fish Fisheries Management Division monitors native fish throughout New Mexico. Data is collected across a variety of habitats and using a variety of different fish capture methods. Fish capture data is used to track trends and inform management and conservation of native fish populations. This dataset is a summary of the total number of fish captured, by species and sampling location for monitoring conducted by the Fisheries Management Division Native Fish Program.

## Investigators / Champions /Primary POC\*

list in order as for a paper with e-mail addresses, organization and phone number. If Agency, please note both Agency and Bureau or other sub-agency name if applicable. Please put an \*\*asterisk\*\* by the primary Point of Contact for the dataset.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| First Name | Middle Initial | Last Name | Organization/ Agency | e-mail address | Phone number |
| Matthew | P | Zeigler\* | New Mexico Department of Game and Fish – Fisheries Management Division | [matthew.zeigler@state.nm.us](mailto:matthew.zeigler@state.nm.us) | 505-476-8104 |
|  |  |  |  |  |  |

## Other personnel names and roles

(dataset creators & contact, field crew, data entry etc. with e-mail addresses, organization and ORCID ID)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| First Name | Middle Initial | Last Name | Organization | e-mail address | Phone number | Role in project |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## Public Access Restrictions

None

## Keywords

Native Fish

## Funding of this work:

Add rows to table if several grants were involved, list only the main PI, start with main grant first:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PI First Name | PI Middle Initial | PI Last Name |  | Title of Grant | Funding Agency | Funding Identification Number |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## Timeframe

* Start: 01/01/2018
* Ongoing

## Geographic location

* New Mexico
* NAD83, UTM Zones 12N and 13N

## Data Purposes

## Monitoring data is used to assess presence/absence, abundance, and trends in native fish populations throughout New Mexico. Information from monitoring is used to make decisions about management and conservation of native fishes throughout the state.

## Data Source

All data is collected by New Mexico Department of Game and Fish, Fisheries Management Division, Native Fish Program.

## Collection Methods

Data is collected by biologist in the Native Fish Program at New Mexico Department of Game and Fish Fisheries Management Division. Fish collection methods differ by species, habitat, and project objectives. Most common collection methods include backpack electrofishers, drag seines, and minnow traps.

## Data Collection Frequency

Data is collected and updated in the database annually.

## Data Table - Show us what the dataset looks like.

* Column name: exactly as it appears in the dataset. Please avoid special characters, dashes and spaces.
* Description: please be specific, it can be lengthy
* Unit: please avoid special characters and describe units in this pattern: e.g. microSiemenPerCentimeter, microgramsPerLiter, absoptionPerMolePerCentimeter
* Code explanation: if you use codes in your column, please explain in this way: e.g. LR=Little Rock Lake, A=Sample suspect, J=Nonstandard routine followed
* Data format: please tell us exactly how the date and time is formatted: e.g. mm/dd/yyyy hh:mm:ss plus the time zone and whether or not daylight savings was observed.
* If a code for ‘no data’ is used, please specify: e.g. -99999

Please add rows as needed

**Table description:** Add a description for each table

|  |  |  |  |
| --- | --- | --- | --- |
| Column name | Description | Unit or  code explanation or date format | Empty value code |
| Year | Year data was collected | YYYY | NA |
| Date | Date data was collected | MM/DD/YYYY | NA |
| HUC02 | USGS 2-digit hydrologic unit code and name |  | NA |
| HUC08 | USGS 8-digit hydrologic unit code and name |  | NA |
| Waterbody | Name of sampled waterbody |  | NA |
| Zone | UTM Zone (NAD83). Both zones are N, either 12N or 13N. |  | NA |
| Easting | UTM Easting (NAD83) |  | NA |
| Northing | UTM Northing (NAD83) |  | NA |
| Latitude | Decimal degree NAD 83 (converted by NMBGMR) |  |  |
| Longitude | Decimal degree NAD 83 (converted by NMBGMR) |  |  |
| TaxaCode | 6-letter species identification code | AGOCHR (Longfin Dace *Agosia chrysogaster*), AMEMEL (Black Bullhead *Ameiurus melas*), AMENAT (Yellow Bullhead *Ameiurus natalis*), ASTMEX (Mexican Tetra *Astyanex mexicanus*), CAMANO (Central Stoneroller *Campostoma anomalum*), CARCAR (River Carpsucker *Carpiodes carpio*), CATCLA (Desert Sucker *Catostomus clarki*), CATCOM (White Sucker *Catostomus commersoni*), CATDIS (Bluehead Sucker *Catostomus discobolus*), CATINS (Sonora Sucker *Catostomus insignis*), CATLAT (Flannelmouth Sucker *Catostomus latipinnis*), CATPLE (Rio Grande Sucker *Catostomus plebeius*), CATspp (*Catostomus* spp), CATYAR (Zuni Bluehead Sucker *Catostomus discobolus yarrowi*), COTBAI (Mottled Sculpin *Cottus bairdii*), CYCELO (Blue Sucker *Cycleptus elongatus*), CYPCAR (Common Carp *Cyprinus carpio*), CYPLUT (Red Shiner *Cyprinella lutrensis*), CYPPEC (Pecos Pupfish *Cyprinodon pecosensis*), CYPTUL (White Sands Pupfish *Cyprinodon tularosa*), DORCEP (Gizzard Shad *Dorosoma cepedianum*), ETHLEP (Greenthroat Darter *Etheostoma lepidum*), FUNZEB (Plains Killifish *Fundulus zebrinus*), GAMAFF (Western Mosquitofish *Gambusia affinis*), GAMNOB (Pecos Gambusia *Gambusia nobilis*), GAMSPP (*Gambusia* spp), GILMYK (Gila Trout x Rainbow Trout Hybrid ), GILNIG (Chihuahua Chub *Gila nigrescens*), GILPAN (Rio Grande Chub *Gila pandora*), GILROB (Roundtail Chub *Gila robusta*), HYBPLA (Plains Minnow *Hybognathus placitus*), ICTPUN (Channel Catfish *Ictalurus punctatus*), ICTspp (*Ictalurus* spp), LARspp (Unidentified larval species ), LATDIS (Flannelmouth x Bluehead Sucker Hybrid), LEPCYA (Green Sunfish *Lepomis cyanellus*), LEPGUL (Warmouth *Lepomis gulosus*), LEPMAC (Bluegill *Lepomis macrochirus*), LEPMEG (Longear Sunfish *Lepomis megalotis*), LEPOSS (Longnose Gar *Lepisosteus osseus*), LEPspp (*Lepomis* spp), LUCPAR (Rainwater Killifish *Lucania parva*), MACAES (Speckled Chub *Macrhybopsis aestivalis*), MACTET (Peppered Chub *Macrhybopsis tetranema*), MEDFUL (Spikedace *Meda fulgida*), MICDOL (Smallmouth Bass *Micropterus dolomieu*), MICPUN (Spotted Bass *Micropterus punctulatus*), MICSAL (Largemouth Bass *Micropterus salmoides*), MORCHR (White Bass *Morone chrysops*), MOXCON (Gray Redhorse *Moxostoma congestum*), NOFISH (No fish captured during the sampling), NOTGIR (Arkansas River Shiner *Notropis girardi*), NOTJEM (Rio Grande Shiner *Notropis jemezanus*), NOTSIM (Pecos Bluntnose Shiner *Notropis simus pecosensis*), NOTSTR (Sand Shiner *Notropis stramineus*), ONCGIL (Gila Trout *Oncorhynchus gilae*), ONCMYK (Rainbow Trout *Oncorhynchus mykiss*), ONCspp (*Oncorhynchus* spp), ONCVIR (Rio Grande Cutthroat Trout *Oncorhynchus clarki virginalis*), PERMAC (Bigscale Logperch *Percina macrolepida*), PIMPRO (Fathead Minnow *Pimephales promelas*), POEOCC (Gila Topminnow *Poeciliopsis occidentalis*), POMANN (White Crappie *Pomoxis annularis*), POMNIG (Black Crappie *Pomoxis nigromaculatus*), PTYLUC (Colorado Pikeminnow *Ptychocheilus lucius*), PYLOLI (Flathead Catfish *Pylodictis olivaris*), RHICAT (Longnose Dace *Rhinichthys cataractae*), RHIOSC (Speckled Dace *Rhinichthys osculus*), SALFON (Brook Trout *Salvelinus fontinalis*), SALTRU (Brown Trout *Salmo trutta*), SEMATR (Creek Chub *Semotilus atromaculatus*), TIACOB (Loach Minnow *Tiaroga cobitis*), VIRMYK (Rio Grande Cutthroat Trout x Rainbow Trout Hybrid ), XYRTEX (Razorback Sucker *Xyrauchen texanus*) | NA |
| N | Number of fish captured |  | NA |

## Data provenance

(Were these data derived from other data? If so, you will want to document this information so users know where these data come from.)

|  |  |  |  |
| --- | --- | --- | --- |
| Dataset title | Dataset DOI or URL | Creator (name & email) | Contact (name & email) |
|  |  |  |  |
|  |  |  |  |

## 

## Data Storage

Data are stored on a server at the New Mexico Department of Game and Fish.

## Data Quality Assurance

All data are error checked against original datasheets.

## 

## Name

Microsoft Access

## Database Access Logistics

Manual uploading.

## Visualization

Table

## 

## HIPAA/IPRA Requests

Is this data often requested through HIPAA or IPRA requests?

## Articles or Reports

(List articles or reports derived from this dataset)

|  |  |  |
| --- | --- | --- |
| Article DOI or URL (DOI is preferred) | Article title | Journal title |
|  |  |  |
|  |  |  |

## Scripts/code (software)

(List any software scripts/code you would like to archive along with your data. These may include processing scripts you wrote to create, clean, or analyze the data.)

|  |  |  |
| --- | --- | --- |
| File name | Description | Scripting language |
|  |  |  |
|  |  |  |

## Notes and Comments

1. Adapted from the EDI metadata template, which liberally borrows from similar documents at SBC and GCE [↑](#footnote-ref-1)