

# eDNAtlas\_East/West\_AGOL\_SampleGridAndResults

## File Geodatabase Feature Class

### Tags

eDNA, environmental DNA, eDNAtlas

## Summary

The eDNA samples in the eDNAtlas database describe species occurrence locations and were collected by the U.S. Forest Service and numerous agencies that have partnered with [National Genomics Center for Wildlife and Fish Conservation \(NGC\)](#) throughout the United States. The data were collected for a variety of project-specific purposes that included: species status assessments, trend monitoring at one or many sites, development of predictive species distribution models, detection and tracking of nonnative species invasions, and assessments of habitat restoration efforts. This project began in 2015, but updates will include legacy data that were collected using the same protocol.

## Description

The eDNA samples in the eDNAtlas database describe species occurrence locations and were collected by the U.S. Forest Service and numerous agencies that have partnered with the National Genomics Center for Wildlife and Fish Conservation (NGC) throughout the United States. This project began in 2015, but updates will include legacy data that were collected using the same protocol.

### **The eDNAtlas database consists of four feature classes:**

The first component (eDNAtlas\_East\_AGOL\_SampleGridAndResults) is a systematically-spaced 1-kilometer grid of potential sample points in streams and rivers throughout the eastern United States. The points in the sampling grid are arrayed along the medium-resolution National Hydrography Dataset Version 2 (NHDPlusV2) and can be used to develop custom eDNA sampling strategies for many purposes. Each sample point has a unique identity code that enables efficient integration of processed eDNA sample results with the species occurrence database.

The second component (eDNAtlas\_NHDPlusV2\_AGOL\_ResultsOnly) is a database of georeferenced species occurrence locations based on eDNA field sampling results, which are downloadable by species through dynamic ArcGIS Online (AGOL) mapping tools. The points coincide with the sampling grid and are along the medium-resolution National Hydrography Dataset Version 2 (NHDPlusV2). The earliest eDNA results in the database were collected in 2015 but new samples and results are added annually to the database, which houses thousands of species occurrence records. This feature class includes results from both the western US and the eastern portion of the country.

The third component (eDNAtlas\_NHDPlusHR\_AGOL\_ResultsOnly) is a point feature class of all eDNAtlas sample locations that are NOT associated with the eDNAtlas NHDPlusV2 1 km sample grid. These features represent sample locations in small streams, lakes, wetlands, springs, and other features that are not represented in the NHDPlusV2 digital data. Many of the sample locations have corresponding features in the NHDPlus High Resolution (NHDPlusHR) dataset. When possible, these sample points are attributed with selected NHDPlusHR attributes. Where no NHDPlusHR feature was present but a valid water sample was collected, field points are represented in this feature class, however no NHDPlus attributes are assigned to the attribute table.

The fourth component (eDNAtlas\_West\_AGOL\_SampleGridAndResults) is a systematically-spaced 1-kilometer grid of potential sample points in streams and rivers throughout the western United States. The points in the sampling grid are arrayed along the medium-resolution National Hydrography Dataset Version 2 (NHDPlusV2) and can be used to develop custom eDNA sampling strategies for many purposes. Each sample point has a unique identity code that enables efficient integration of processed eDNA sample results with the species occurrence database.

In the feature class attribute tables, the unique ID for each grid sample point is eDNA\_ID. The unique ID for each [National Genomics Center for Wildlife and Fish Conservation \(NGC\)](#) lab result is ID\_Tag. There can be more than one ID\_Tag per eDNA\_ID grid sample point.

Detailed metadata available at <https://doi.org/10.2737/RDS-2018-0010>.

For more information or to download the full geodatabase, see the website - <https://www.fs.fed.us/rm/boise/AWAE/projects/eDNAtlas/the-edna-atlas-results.html>

## Credits

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We would also like to credit Jennifer Hernandez for the significant amount of work she has put into developing this database.

## Use limitations

These species occurrence data and accompanying geospatial datasets were created using funding from the U.S. Government and can be used without additional permissions or fees.

## If you use these data in a publication, presentation, or other research product please use the following

**citation:** Young, Michael K.; Isaak, Daniel J.; Schwartz, Michael K.; McKelvey, Kevin S.; Nagel, David E.; Franklin, Thomas W.; Greaves, Samuel E.; Dysthe, J. Caleb; Pilgrim, Kristine L.; Chandler, Gwynne L.; Wollrab, Sherry P.; Carim, Kellie J.; Wilcox, Taylor M.; Parkes-Payne, Sharon L.; Horan, Dona L. 2018. Species occurrence data from the aquatic eDNAAtlas database. Fort Collins, CO: Forest Service Research Data Archive. Updated 30 June 2021.

<https://doi.org/10.2737/RDS-2018-0010>

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## Fields ►

### FIELD OBJECTID ►

#### FIELD DESCRIPTION

Internal feature number.

#### DESCRIPTION SOURCE

Esri

#### DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

### FIELD Shape ►

#### FIELD DESCRIPTION

Feature geometry.

#### DESCRIPTION SOURCE

Esri

#### DESCRIPTION OF VALUES

Coordinates defining the features.

### FIELD eDNA\_ID ►

#### FIELD DESCRIPTION

Primary key. A unique ID for each eDNA sample point. The ID takes the form AAAAAAAA-BBB-CC, where A is the 8-digit Watershed Boundary Dataset (WBD) hydrologic unit code (HUC), B is a unique number assigned to each stream reach in the HUC, and C is a unique point on the stream reach.

#### DESCRIPTION SOURCE

USDA Forest Service, Rocky Mountain Research Station

### FIELD HUC8 ►

#### FIELD DESCRIPTION

8 digit unique code for each HUC from the Watershed Boundary Dataset (WBD).

#### DESCRIPTION SOURCE

**FIELD HUC8\_Name ▶**

FIELD DESCRIPTION

HUC name from the Watershed Boundary Dataset (WBD).

DESCRIPTION SOURCE

USDA Forest Service, Rocky Mountain Research Station

**FIELD Site\_ID ▶**

FIELD DESCRIPTION

The unique site within each 8-digit HUC. The site ID takes the form BBB-CC, where B is a unique number assigned to each stream reach in the HUC, and C is a unique point on the stream reach.

DESCRIPTION SOURCE

USDA Forest Service, Rocky Mountain Research Station

**FIELD COMID ▶**

FIELD DESCRIPTION

Common identifier of an NHDFlowline feature (COMID code from the NHDPlus V2 dataset)

DESCRIPTION SOURCE

[ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2\\_User\\_Guide.pdf](ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2_User_Guide.pdf)

**FIELD GNIS\_NAME ▶**

FIELD DESCRIPTION

Feature name from Geographic Names Information System (stream name from the NHDPlus V2 dataset)

DESCRIPTION SOURCE

[ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2\\_User\\_Guide.pdf](ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2_User_Guide.pdf)

**FIELD REACHCODE ▶**

FIELD DESCRIPTION

Reach code assigned to feature (REACHCODE from the NHDPlus V2 dataset)

DESCRIPTION SOURCE

[ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2\\_User\\_Guide.pdf](ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2_User_Guide.pdf)

**FIELD TotDASqKM ▶**

FIELD DESCRIPTION

Total upstream cumulative drainage area, in square kilometers, at the downstream end of the NHDFlowline feature.

DESCRIPTION SOURCE

[ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2\\_User\\_Guide.pdf](ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2_User_Guide.pdf)

**FIELD DD\_X ▶**

FIELD DESCRIPTION

Grid Geographic coordinate X in decimal degrees

DESCRIPTION SOURCE

USDA Forest Service, Rocky Mountain Research Station

**FIELD DD\_Y ▶**

FIELD DESCRIPTION

Grid Geographic coordinate Y in decimal degrees

DESCRIPTION SOURCE

USDA Forest Service, Rocky Mountain Research Station

**FIELD UTM\_Zone ▶**

FIELD DESCRIPTION

UTM Zone of the sample grid point

DESCRIPTION SOURCE

USDA Forest Service, Rocky Mountain Research Station

**FIELD UTM\_X ▶**

FIELD DESCRIPTION

UTM X coordinate of the sample grid point, unique by eDNA\_ID

DESCRIPTION SOURCE

USDA Forest Service, Rocky Mountain Research Station

**FIELD UTM\_Y ▶**

FIELD DESCRIPTION

UTM Y coordinate of the sample grid point, unique by eDNA\_ID

DESCRIPTION SOURCE

USDA Forest Service, Rocky Mountain Research Station

**FIELD FCODE ▶**

FIELD DESCRIPTION

Numeric codes for various feature attributes in the NHD FCode lookup table.

33400: CONNECTOR - feature type only: no attributes

33600: CANAL/DITCH - feature type only: no attributes

33601: CANAL/DITCH - Canal/Ditch Type|aqueduct

33603: CANAL/DITCH - Canal/Ditch Type|stormwater

42000: UNDERGROUND CONDUIT - feature type only: no attributes

42001: UNDERGROUND CONDUIT - Positional Accuracy|definite

42002: UNDERGROUND CONDUIT - Positional Accuracy|indefinite

42003: UNDERGROUND CONDUIT - Positional Accuracy|approximate

42800: PIPELINE - feature type only: no attributes

42801: PIPELINE - Product|water; Pipeline Type|aqueduct; Relationship to Surface|at or near

42802: PIPELINE - Product|water; Pipeline Type|aqueduct; Relationship to Surface|elevated

42803: PIPELINE - Product|water; Pipeline Type|aqueduct; Relationship to Surface|underground

42804: PIPELINE - Product|water; Pipeline Type|aqueduct; Relationship to Surface|underwater

42805: PIPELINE - Product|water; Pipeline Type|general case; Relationship to Surface|at or near

42806: PIPELINE - Product|water; Pipeline Type|general case; Relationship to Surface|elevated

42807: PIPELINE - Product|water; Pipeline Type|general case; Relationship to Surface|underground

42808: PIPELINE - Product|water; Pipeline Type|general case; Relationship to Surface|underwater

42809: PIPELINE - Product|water; Pipeline Type|penstock; Relationship to Surface|at or near

42810: PIPELINE - Product|water; Pipeline Type|penstock; Relationship to Surface|elevated

42811: PIPELINE - Product|water; Pipeline Type|penstock; Relationship to Surface|underground

42812: PIPELINE - Product|water; Pipeline Type|penstock; Relationship to Surface|underwater

42813: PIPELINE - Product|water; Pipeline Type|siphon; Relationship to Surface|unspecified

42814: PIPELINE - Product|water; Pipeline Type|general case

42815: PIPELINE - Product|water; Pipeline Type|penstock

42816: PIPELINE - Product|water; Pipeline Type|aqueduct

46000: STREAM/RIVER - feature type only: no attributes

46003: STREAM/RIVER - Hydrographic Category|intermittent

46006: STREAM/RIVER - Hydrographic Category|perennial

46007: STREAM/RIVER - Hydrographic Category|ephemeral

55800: ARTIFICIAL PATH - feature type only: no attributes

56600: COASTLINE - feature type only: no attributes

DESCRIPTION SOURCE

[ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2\\_User\\_Guide.pdf](ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2_User_Guide.pdf)

ACCURACY INFORMATION

ACCURACY

[https://nhd.usgs.gov/userGuide/Robohelpfiles/NHD\\_User\\_Guide/Feature\\_Catalog/Hydrography\\_Dataset/Complete\\_FCode\\_List.htm](https://nhd.usgs.gov/userGuide/Robohelpfiles/NHD_User_Guide/Feature_Catalog/Hydrography_Dataset/Complete_FCode_List.htm)

**FIELD PublicLand ▶**

FIELD DESCRIPTION

These data are from PAD-US, Protected Areas Database of the US. <https://gapanalysis.usgs.gov/padus/>

Own\_Name - Land owner or holding agency (e.g. USFS, State Fish and Game, City Land, TNC) standardized for the US. See PAD-US Data Standard or geodatabase look up table for "Agency Name" for full domain descriptions. Use "Manager Name" for the best depiction of federal lands as many overlapping designations (i.e. "Designation") and ownership related data gaps (i.e. "Unknown") occur in the federal theme.

DESCRIPTION SOURCE

See PAD-US Standards Manual Document, <https://gapanalysis.usgs.gov/padus/data/standards/>.

CODED VALUES

NAME OF CODELIST Own\_Name

SOURCE See PAD-US Standards Manual Document, <https://gapanalysis.usgs.gov/padus/data/standards/>.

**FIELD MS\_Hist ▶**

FIELD DESCRIPTION

Mean summer historical flow [Mean summer flow is the average of daily flow between June 1 and September 30; Units: cubic feet per second] from Variable Infiltration Capacity (VIC) flow model.

DESCRIPTION SOURCE

Western U.S. Stream Flow Metrics dataset -

[https://www.fs.fed.us/rm/boise/AWAE/projects/modeled\\_stream\\_flow\\_metrics.shtml](https://www.fs.fed.us/rm/boise/AWAE/projects/modeled_stream_flow_metrics.shtml)

**FIELD eDNA\_Slope ▶**

FIELD DESCRIPTION

Stream gradient of the reach above the sample point up to the next sample point, stream confluence, or headwater initiation point. Units: percent. Generated internally using NHDPlusV2 National Elevation Dataset data.

DESCRIPTION SOURCE

USDA Forest Service, Rocky Mountain Research Station

ACCURACY INFORMATION

ACCURACY The underlying elevation data used is from the National Elevation Dataset (NED) at 30 meter (m) resolution.

**FIELD Elev\_m ▶**

FIELD DESCRIPTION

The underlying elevation data used is from the National Elevation Dataset (NED) at 30 m resolution.

DESCRIPTION SOURCE

[ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2\\_User\\_Guide.pdf](ftp://ftp.horizon-systems.com/NHDplus/NHDPlusV21/Documentation/NHDPlusV2_User_Guide.pdf)

**FIELD Date\_Collected ▶**

FIELD DESCRIPTION

The date a previously collected sample was collected in the field as noted by the contributor. Null indicates no previous sample taken and assigned to the unique eDNA\_ID.

**FIELD Field\_Easting ▶**

## FIELD DESCRIPTION

Field easting (X) coordinate of the collected sample as noted by the contributor. Null indicates no previous sample taken and assigned to the unique eDNA\_ID.

**FIELD Field\_Northing ▶**

## FIELD DESCRIPTION

Field northing (Y) coordinate of the collected sample as noted by the contributor. Null indicates no previous sample taken and assigned to the unique eDNA\_ID.

**FIELD Field\_Latitude ▶**

## FIELD DESCRIPTION

Geographic longitude of the field collected sample site in decimal degrees as noted by the contributor.

**FIELD Field\_Longitude ▶**

## FIELD DESCRIPTION

Geographic longitude of the field collected sample site in decimal degrees as noted by the contributor.

**FIELD Field\_Zone ▶**

## FIELD DESCRIPTION

UTM Zone of the collected sample as noted by the contributor. Null indicates either field coordinates are not in UTM or that no previous sample taken and assigned to the unique eDNA\_ID.

**FIELD Agency ▶**

## FIELD DESCRIPTION

Name of agency or group that collected the field sample.

**FIELD ID\_Tag ▶**

## FIELD DESCRIPTION

Unique ID assigned to each eDNA sample stored/processed at the National Genomics Center for Wildlife and Fish Conservation.

**FIELD NHD\_TYPE ▶**

## FIELD DESCRIPTION

Indication of the underlying NHDPlus layer - Version2 or High Resolution

## LIST OF VALUES

VALUE High

DESCRIPTION NHDPlusHR - <https://www.usgs.gov/core-science-systems/ngp/national-hydrography/nhdplus-high-resolution>

ENUMERATED DOMAIN VALUE DEFINITION SOURCE USDA Forest Service, Rocky Mountain Research Station

VALUE NHDPlusV2

DESCRIPTION NHDPlusV2- <https://www.epa.gov/waterdata/get-nhdplus-national-hydrography-dataset-plus-data>

ENUMERATED DOMAIN VALUE DEFINITION SOURCE USDA Forest Service, Rocky Mountain Research Station

VALUE None

DESCRIPTION No underlying NHDPlus digital features for the sample

ENUMERATED DOMAIN VALUE DEFINITION SOURCE USDA Forest Service, Rocky Mountain Research Station

**FIELD FEAT\_TYPE ▶**

## FIELD DESCRIPTION

Description of the NHDPlus digital data from which attributes were derived.

## DESCRIPTION SOURCE

USDA Forest Service, Rocky Mountain Research Station

## LIST OF VALUES

VALUE Stream

DESCRIPTION Only samples located at an eDNA\_ID point or samples from flowing water where a distinct channel is present.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE USDA Forest Service, Rocky Mountain Research Station

VALUE Channel

DESCRIPTION Samples in channels not present in the NHDPlus feature class.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE USDA Forest Service, Rocky Mountain Research Station

VALUE Waterbody

DESCRIPTION Standing water such as natural lakes, ponds, reservoirs, or impoundments with a distinct shoreline.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE USDA Forest Service, Rocky Mountain Research Station

VALUE Spring

DESCRIPTION Hydrologic features where groundwater emerges to the surface but has not formed a distinct channel.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE USDA Forest Service, Rocky Mountain Research Station

VALUE Other

DESCRIPTION Samples in channels not present in the NHDPlus feature class.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE USDA Forest Service, Rocky Mountain Research Station

VALUE Unknown

DESCRIPTION Sample FEAT\_TYPE was not recorded in the field and the geographic coordinates could not be used to identify any hydrologic feature in the digital dataset.

ENUMERATED DOMAIN VALUE DEFINITION SOURCE USDA Forest Service, Rocky Mountain Research Station

FIELD Species Code listed in the table below ►

Note that the fields below are available in their respective layer in the layer list and that all fields are in the “eDNAtlas sites sampled” layer.

LIST OF VALUES

VALUE 1

DESCRIPTION not sampled

VALUE 2

DESCRIPTION sampled, absent

VALUE 3

DESCRIPTION sampled, present

VALUE 4

DESCRIPTION sampled, being processed

4-character code	Common Name	Genus	Species	Subspecies
ABUL	American bullfrog	<i>Lithobates</i>	<i>catesbeianus</i>	
AEEL	American eel	<i>Anguilla</i>	<i>rostrata</i>	
ANCA	California floater	<i>Anodonta</i>	<i>californiensis/nuttaliana</i>	
ANOR	Oregon floater	<i>Anodonta</i>	<i>oregonensis/kennerlyi</i>	
ARGR	Arctic Grayling	<i>Thymallus</i>	<i>articus</i>	
BEVR	American Beaver	<i>Castor</i>	<i>canadensis</i>	
BOTO	Boreal Toad / Western Toad Complex	<i>Anaxyrus</i>	<i>boreas</i>	<i>boreas</i>
BRKT	Brook Trout	<i>Salvelinus</i>	<i>fontinalis</i>	
BRNT	Brown Trout	<i>Salmo</i>	<i>trutta</i>	
BULL	Bull Trout	<i>Salvelinus</i>	<i>confluentus</i>	
BURB	Burbot	<i>Lota</i>	<i>lota</i>	
CAVI	Bluehead sucker	<i>Catostomus</i>	<i>virescens</i>	
CCAT	Channel catfish	<i>Ictalurus</i>	<i>punctatus</i>	
CCUT	Coastal Cutthroat Trout	<i>Oncorhynchus</i>	<i>clarkii</i>	<i>clarkii</i>
CESC	Cedar Sculpin	<i>Cottus</i>	<i>schitsuumsh</i>	
CFUN	Chytrid fungus	<i>Batrachochytrium</i>	<i>dendrobatidis</i>	

CHIN	Chinook Salmon	<i>Oncorhynchus</i>	<i>tshawytscha</i>	
CHUM	Chum Salmon	<i>Oncorhynchus</i>	<i>keta</i>	
CMCP	Common Carp	<i>Cyprinus</i>	<i>carpio</i>	
COHO	Coho Salmon	<i>Oncorhynchus</i>	<i>kisutch</i>	
COSF	Columbia Spotted Frog	<i>Rana</i>	<i>luteiventris</i>	
COTF	Coastal Tailed Frog	<i>Ascaphus</i>	<i>truei</i>	
DOVN	Dolly Varden	<i>Salvelinus</i>	<i>malma</i>	
DRES	Dreissenid mussels (zebra/quagga)	<i>Dreissena</i>	<i>sp.</i>	
EHEL	Eastern Hellbender	<i>Cryptobranchus</i>	<i>alleganiensis</i>	<i>alleganiensis</i>
GRIZ	Grizzly/Brown Bear	<i>Ursus</i>	<i>arctos</i>	
GSUN	Green sunfish	<i>Lepomis</i>	<i>cyanellus</i>	
HADU	Harlequin Duck	<i>Histrionicus</i>	<i>histrionicus</i>	
IDGS	Idaho giant salamander	<i>Dicamptodon</i>	<i>aterrimus</i>	
LAKT	Lake Trout	<i>Salvelinus</i>	<i>namaycush</i>	
LAMP	Lampetra spp.	<i>Lampetra</i>		
LHCT	Lahontan Cutthroat	<i>Oncorhynchus</i>	<i>clarkii</i>	<i>henshawi</i>
LISY	Wood frog	<i>Rana</i>	<i>sylvatica</i>	
LOMW	Loach Minnow	<i>Rhinichthys</i>	<i>cobitis</i>	
MTSU	Mountain sucker	<i>Catostomus</i>	<i>jordani</i>	
MYSS/MYSA	Opposum Shrimp	<i>Mysis</i>	<i>diluviana</i>	
NHGS	Narrow-headed garter snake	<i>Thamnophis</i>	<i>rufipunctatus</i>	
NOLS	Northern Leatherside Chub	<i>Lepidomeda</i>	<i>copei</i>	
NOPI	Northern Pike	<i>Esox</i>	<i>lucius</i>	
NZMS	New Zealand Mud Snail	<i>Potamopyrgus</i>	<i>antipodarum</i>	
OMMW	Olympic Mudminnow	<i>Novumbra</i>	<i>hubbsi</i>	
PALA	Pacific Lamprey	<i>Entosphenus</i>	<i>tridentatus</i>	
PLKF	Northern Plains Killifish	<i>Fundulus</i>	<i>kansae</i>	
PLTM	Plains Topminnow	<i>Fundulus</i>	<i>sciadicus</i>	
RABO	Foothills yellow-legged frog	<i>Rana</i>	<i>boylei</i>	
RGCH	Rio Grande Chub	<i>Gila</i>	<i>pandora</i>	
RGSU	Rio Grande sucker	<i>Catostomus</i>	<i>plebeius</i>	
RHVA	Southern torrent salamander	<i>Rhyacotriton</i>	<i>variegatus</i>	
RMSC	Rocky Mountain Sculpin	<i>Cottus</i>	<i>sp. [bairdii]</i>	
RMTF	Rocky Mountain Tailed Frog	<i>Ascaphus</i>	<i>montanus</i>	
RNAV	Ranavirus	<i>Ranavirus spp</i>		
RNBT	Rainbow Trout/Steelhead	<i>Oncorhynchus</i>	<i>mykiss</i>	
RTCH	Roundtail chub	<i>Gila</i>	<i>robusta</i>	
RVOT	North American River Otter	<i>Lontra</i>	<i>canadensis</i>	
SAGR	Sauger	<i>Sander</i>	<i>canadensis</i>	
SAPI	Sacramento pikeminnow	<i>Ptychocheilus</i>	<i>grandis</i>	
SCUL	Any Sculpin			
SLMD	Any Salmonid			
SLSC	Slimy Sculpin (Rocky Mountain slimy)	<i>Cottus</i>	<i>cognatus</i>	
SMBA	Smallmouth Bass	<i>Micropterus</i>	<i>dolomieu</i>	
SNAP	Snapping Turtle	<i>Chelydra</i>	<i>serpentina</i>	
SOCK	Sockeye Salmon	<i>Oncorhynchus</i>	<i>nerka</i>	



SPKD	Spikedace	<i>Meda</i>	<i>fulgida</i>	
STGC	Sturgeon Chub	<i>Macrhybopsis</i>	<i>gelida</i>	
UMQC	Umpqua/Oregon chub	<i>Oregonichthys</i>	<i>kalawatseti/crameri</i>	
WALL	Walleye	<i>Sander</i>	<i>vitreus</i>	
WEPS	Western Pearshell	<i>Margaritifera</i>	<i>falcata</i>	
WPTL	Western Pond Turtle	<i>Actinemys</i>	<i>marmorata</i>	
WRMS	Western ridged mussel	<i>Gonidea</i>	<i>angulata</i>	
WSCT	Westslope Cutthroat Trout	<i>Oncorhynchus</i>	<i>clarkii</i>	<i>lewisi</i>
WSFT	Western spadefoot toad	<i>Spea</i>	<i>hammondii</i>	
YSCT	Yellowstone Cutthroat Trout	<i>Oncorhynchus</i>	<i>clarkii</i>	<i>bouvieri</i>

## FIELD Sampled ▶

### FIELD DESCRIPTION

Indication of whether the unique eDNA\_ID site has been sampled. Includes samples for any species as well as those not yet processed.

### DESCRIPTION SOURCE

USDA Forest Service, Rocky Mountain Research Station

### LIST OF VALUES

#### VALUE N

**DESCRIPTION** This grid point has not been previously sampled and would be a prime candidate for field work.

**ENUMERATED DOMAIN VALUE DEFINITION SOURCE** USDA Forest Service, Rocky Mountain Research Station

#### VALUE Y

**DESCRIPTION** This grid point has been previously sampled, either with or without available results.

**ENUMERATED DOMAIN VALUE DEFINITION SOURCE** USDA Forest Service, Rocky Mountain Research Station

## OVERVIEW DESCRIPTION ▶

### ENTITY AND ATTRIBUTE DETAIL CITATION

See the website for more specifics: <https://www.fs.fed.us/rm/boise/AWAE/projects/eDNAtlas/the-edna-atlas-results.html> and <https://www.fs.fed.us/rm/boise/AWAE/projects/eDNAtlas/supporting-science.html>

## Metadata Contacts ▶

### METADATA CONTACT

**INDIVIDUAL'S NAME** Sharon (Parkes) Payne

**ORGANIZATION'S NAME** USDA Forest Service, Rocky Mountain Research Station, Boise Aquatic Sciences Lab

**CONTACT'S ROLE** custodian

### CONTACT INFORMATION ▶

#### PHONE

**VOICE** 208-373-4356

#### ADDRESS

**TYPE** both

**DELIVERY POINT** 322 East Front Street, Suite 401

**CITY** Boise

**ADMINISTRATIVE AREA** ID

**POSTAL CODE** 83702

**COUNTRY** US

**E-MAIL ADDRESS** [sharon.l.payne@usda.gov](mailto:sharon.l.payne@usda.gov)