

**Ichthyology 802-24**

Field Notebook

Dillon Barton

Spring 2014

## **List of Species Collected in Phylogenetic Order**

**Dillon Barton 75 Species Total**

Common Name	Order	Family	Scientific Name	Collection Location	Date	Disposition	Collectors
Paddlefish	Acipenseriformes	Polyodontidae	<i>Polyodon spathula</i>	Twin Bridges State Park Miami,Ok	4/18/2014	Picture (Fig 1)	Dillon Barton (Rod)
Spotted Gar	Lepisosteiformes	Lepisosteidae	<i>Lepisosteus oculatus</i>	Elk City Reservoir	4/20/2014	Picture (Fig 2)	Not Collected (Pictured in Water)
Longnose Gar	Lepisosteiformes	Lepisosteidae	<i>Lepisosteus asseus</i>	Verdigris River Cr 4725 2650	4/19/2014	Picture (Fig 3)	Not Collected (Dead)
Shortnose Gar	Lepisosteiformes	Lepisosteidae	<i>Lepisosteus platostomus</i>	Neosho River St. Paul,Ks	4/27/2014	Picture (Fig 4)	Dillon Barton (Bow)
Gizzard Shad	Clupeiformes	Clupeidae	<i>Dorosoma cepedianum</i>	Elk City Reservoir	4/20/2014	Picture (Fig 5)	Dillon Barton, David Bayless
Bleeding Shiner	Cypriniformes	Cyprinidae	<i>Notropis zonatus</i>	Current River US 60, Van Buren Access	4/13/2014	Class Collection	Ichthyology Class (Seine)
Common Carp	Cypriniformes	Cyprinidae	<i>Cyprinus carpio</i>	Verdigris River Cr 4725 2650	4/19/2014	Picture (Fig 6)	Not Collected (Dead)
Ozark Minnow	Cypriniformes	Cyprinidae	<i>Notropis nubilus</i>	Center Creek by Sarcoaxie, Mo	4/12/2014	Class Collection	Ichthyology Class (Seine)
Horny Head Chub	Cypriniformes	Cyprinidae	<i>Nocomis biguttatus</i>	Current River US 60, Van Buren Access	4/13/2014	Class Collection	Ichthyology Class (Seine)
Red Spot Chub	Cypriniformes	Cyprinidae	<i>Nocomis asper</i>	Center Creek by Sarcoaxie, Mo	4/12/2014	Released T&E (Pictured Fig 7)	Ichthyology Class (Seine)
Fathead Minnow	Cypriniformes	Cyprinidae	<i>Pimephales promelas</i>	Elk River 1 mile E. of Elk City	4/26/2014	Picture (Fig 36)	Dillon Barton, David Bayless (Seine)
Bluntnose Minnow	Cypriniformes	Cyprinidae	<i>Pimephales notatus</i>	Center Creek by Sarcoaxie, Mo	4/12/2014	Class Collection	Ichthyology Class (Seine)
Rosy Face Shiner	Cypriniformes	Cyprinidae	<i>Notropis rubellus</i>	Center Creek by Sarcoaxie, Mo	4/12/2014	Class Collection	Ichthyology Class (Seine)
Large Scale Stoneroller	Cypriniformes	Cyprinidae	<i>Camptostoma oligolepis</i>	James River by Galena, Mo	4/12/2014	Class Collection	Ichthyology Class (Seine)
Goldfish	Cypriniformes	Cyprinidae	<i>Carassius auratus</i>	Pond S. of Jefferson,Ks 1 mile	4/26/2014	Picture (Fig 8)	Dillon Barton (Hand)
Red Shiner	Cypriniformes	Cyprinidae	<i>Cyprinella lutrensis</i>	Elk City Reservoir	4/20/2014	Picture (Fig 9)	Dillon Barton, David Bayless (Seine)
Golden Shiner	Cypriniformes	Cyprinidae	<i>Notemigonus crysoleucas</i>	Pond S. of Jefferson,Ks 1 mile	4/26/2014	Picture (Fig 10)	Dillon Barton, Devin Barton (Seine)
Ghost Shiner	Cypriniformes	Cyprinidae	<i>Notropis bethanani</i>	Neosho River St. Paul,Ks	4/27/2014	Picture (Fig 11)	Dillon Barton, David Bayless (Seine)
Sand Shiner	Cypriniformes	Cyprinidae	<i>Notropis stramineus</i>	Neosho River St. Paul,Ks	4/27/2014	Picture (Fig 12)	Dillon Barton, David Bayless (Seine)
Suckermouth Minnow	Cypriniformes	Cyprinidae	<i>Phenacobius mirabilis</i>	Caney River near Elgin, Ks	4/25/2014	Picture (Fig 13)	Dillon Barton, David Bayless (Seine)
Grass Carp	Cypriniformes	Cyprinidae	<i>Ctenopharyngodon idella</i>	Pond In Montgomery County Cr 1300 US Hwy 166	5/2/2014	Picture (Fig 26)	Not Collected (Dead)
Mimic Shiner	Cypriniformes	Cyprinidae	<i>Notropis volucellus</i>	Caney River near Elgin, Ks	4/25/2014	Picture (Fig 14)	Dillon Barton, David Bayless (Seine)
Dusky Stripe Shiner	Cypriniformes	Cyprinidae	<i>Luxilus pilsbryi</i>	James River by Galena, Mo	4/12/2014	Class Collection	Ichthyology Class (Seine)
Streamline Chub	Cypriniformes	Cyprinidae	<i>Erimystax dissimilis</i>	Kissee Mills Beaver Creek	4/12/2014	Class Collection	Ichthyology Class (Seine)
Weed Shiner	Cypriniformes	Cyprinidae	<i>Notropis texanus</i>	Black River	4/13/2014	Class Collection	Ichthyology Class (Seine)
Blacktail Shiner	Cypriniformes	Cyprinidae	<i>Cyprinella venusta</i>	Black River	4/13/2014	Class Collection	Ichthyology Class (Seine)
Southern Redbelly Dace	Cypriniformes	Cyprinidae	<i>Chrasomus erythrogaster</i>	James River by Galena, Mo	4/12/2014	Class Collection	Ichthyology Class (Seine)
Striped Shiner	Cypriniformes	Cyprinidae	<i>Luxilus chrysocephalus</i>	Kissee Mills Beaver Creek	4/12/2014	Class Collection	Ichthyology Class (Seine)
Bigeye Shiner	Cypriniformes	Cyprinidae	<i>Notropis boops</i>	Kissee Mills Beaver Creek	4/12/2014	Class Collection	Ichthyology Class (Seine)
Whitetail Shiner	Cypriniformes	Cyprinidae	<i>Cyprinella galactura</i>	Kissee Mills Beaver Creek	4/12/2014	Class Collection	Ichthyology Class (Seine)
Telescope Shiner	Cypriniformes	Cyprinidae	<i>Notropis telescopus</i>	Kissee Mills Beaver Creek	4/12/2014	Class Collection	Ichthyology Class (Seine)
Bigeye Chub	Cypriniformes	Cyprinidae	<i>Hybopsis amblops</i>	Kissee Mills Beaver Creek	4/12/2014	Class Collection	Ichthyology Class (Seine)
Cardinal Shiner	Cypriniformes	Cyprinidae	<i>Luxilus cardinalis</i>	Center Creek by Sarcoaxie, Mo	4/12/2014	Class Collection	Ichthyology Class (Seine)
Central Stoneroller	Cypriniformes	Cyprinidae	<i>Camptostoma anomalum</i>	James River by Galena, Mo	4/12/2014	Personal Collection	Ichthyology Class (Seine)
Smallmouth Buffalo	Cypriniformes	Catostomidae	<i>Ictalurus bubalus</i>	Verdigris River Cr 4725 2650	4/19/2014	Picture (Fig 15)	Not Collected (Dead)
Shorthead Redhorse	Cypriniformes	Catostomidae	<i>Maxostoma macrolepidotum</i>	Caney River near Elgin, Ks	4/25/2014	Picture (Fig 16)	Dillon Barton, David Bayless (Seine)
Blgmouth Buffalo	Cypriniformes	Catostomidae	<i>Ictalurus cyprinellus</i>	Verdigris River Cr 4725 2650	4/19/2014	Picture (Fig 17)	Not Collected (Dead)
Black Rehorse	Cypriniformes	Catostomidae	<i>Maxostoma duquesnei</i>	Current River US 60, Van Buren Access	4/13/2014	Class Collection	Ichthyology Class (Seine)
Northern Hogsucker	Cypriniformes	Catostomidae	<i>Hypentelium nigricans</i>	Center Creek by Sarcoaxie, Mo	4/12/2014	Class Collection	Ichthyology Class (Seine)
Black Bullhead	Siluriformes	Ictaluridae	<i>Ameiurus melas</i>	Pond S. of Jefferson,Ks 1 mile	4/26/2014	Picture (Fig 18)	Dillon Barton (Rod)
Channel Catfish	Siluriformes	Ictaluridae	<i>Ictalurus punctatus</i>	Pond S. of Jefferson,Ks 1 mile	4/26/2014	Picture (Fig 19)	Dillon Barton (Rod)
Stoneroller	Siluriformes	Ictaluridae	<i>Noturus flavus</i>	Caney River near Elgin, Ks	4/25/2014	Picture (Fig 20)	Dillon Barton, David Bayless (Seine)
Flathead Catfish	Siluriformes	Ictaluridae	<i>Pylodictis olivaris</i>	Elk City Reservoir	4/20/2014	Picture (Fig 21)	Not Collected (Dead)
Slender Madtom	Siluriformes	Ictaluridae	<i>Noturus exilis</i>	Center Creek by Sarcoaxie, Mo	4/12/2014	Class Collection	Ichthyology Class (Seine)
Ozark Madtom	Siluriformes	Ictaluridae	<i>Noturus albat</i>	James River by Galena, Mo	4/12/2014	Personal Collection	Ichthyology Class (Seine)
Blue Catfish	Siluriformes	Ictaluridae	<i>Ictalurus furcatus</i>	Elk River 1 mile E. of Elk City	4/29/2014	Picture (Fig 22)	Dillon Barton (Rod)
Freckled Madtom	Siluriformes	Ictaluridae	<i>Noturus nocturnus</i>	Caney River near Elgin, Ks	4/25/2014	Picture (Fig 23)	Dillon Barton,David Bayless (Seine)
Rainbow Trout	Salmoniformes	Salmonidae	<i>Oncorhynchus mykiss</i>	White River by Van Buren US Hwy 160	4/13/2014	Personal Collection	Ichthyology Class (Seine)
Brook Silverside	Atheriniformes	Atherinopsidae	<i>Labidesthes sicculus</i>	Caney River near Elgin, Ks	4/25/2014	Picture (Fig 24)	Dillon Barton,David Bayless (Seine)
Northern Studfish	Cyprinodontiformes	Fundulidae	<i>Fundulus catenatus</i>	James River by Galena, Mo	4/12/2014	Class Collection	Ichthyology Class (Seine)
Black Spotted Top Minnow	Cyprinodontiformes	Fundulidae	<i>Fundulus olivaceus</i>	Kissee Mills Beaver Creek	4/12/2014	Class Collection	Ichthyology Class (Seine)
Mosquito Fish	Cyprinodontiformes	Poeciliidae	<i>Gambusia affinis</i>	Black River	4/13/2014	Class Collection	Ichthyology Class (Seine)
Ozark Sculpin	Scorpaeniformes	Cottidae	<i>Cottus hypselurus</i>	White River by Van Buren US Hwy 160	4/13/2014	Class Collection	Ichthyology Class (Seine)
Banded Sculpin	Scorpaeniformes	Cottidae	<i>Cottus caroliniae</i>	White River by Van Buren US Hwy 160	4/13/2014	Personal Collection	Ichthyology Class (Seine)
White Bass	Perciformes	Moronidae	<i>Morone chrysops</i>	Center Creek by Sarcoaxie, Mo	4/12/2014	Picture (Fig 25)	Not Collected (Dead)
Bluegill	Perciformes	Centrarchidae	<i>Lepomis macrochirus</i>	Kissee Mills Beaver Creek	4/12/2014	Personal Collection	Ichthyology Class (Seine)
Green Sunfish	Perciformes	Centrarchidae	<i>Lepomis cyanellus</i>	Center Creek by Sarcoaxie, Mo	4/12/2014	Class Collection	Ichthyology Class (Seine)
Largemouth Bass	Perciformes	Centrarchidae	<i>Micropterus salmoides</i>	Kissee Mills Beaver Creek	4/12/2014	Class Collection	Ichthyology Class (Seine)
Longear Sunfish	Perciformes	Centrarchidae	<i>Lepomis megalotis</i>	Kissee Mills Beaver Creek	4/12/2014	Personal Collection	Ichthyology Class (Seine)
Orangespotted Sunfish	Perciformes	Centrarchidae	<i>Lepomis humilis</i>	Current River US 60, Van Buren Access	4/13/2014	Class Collection	Dillon Barton (Rod)
Redear Sunfish	Perciformes	Centrarchidae	<i>Lepomis microlophus</i>	Pond In Montgomery County Cr 1300 US Hwy 166	5/2/2014	Picture (Fig 27)	Dillon Barton (Rod)
White Crappie	Perciformes	Centrarchidae	<i>Pomoxis annularis</i>	Copan Lake Copan,Ok	5/3/2014	Picture (Fig 28)	Dillon Barton (Rod)
Black Crappie	Perciformes	Centrarchidae	<i>Pomoxis nigromaculatus</i>	Pond In Montgomery County Cr 1300 US Hwy 166	5/2/2014	Picture (Fig 29)	Dillon Barton (Rod)

Smallmouth Bass	Perciformes	Centrarchidae	<i>Micropterus dolomieu</i>	Big Hill Reservoir	5/4/2014 Picture (Fig 30)	Dillon Barton (Rod)
Orange Throat Darter	Perciformes	Percidae	<i>Etheostoma spectabile</i>	Center Creek by Sarcosle, Mo	4/12/2014 Personal Collection	Ichthyology Class (Seine)
Least Darter	Perciformes	Percidae	<i>Etheostoma microperca</i>	Center Creek by Sarcosle, Mo	4/12/2014 Released T&E (Pictured Fig 31)	Ichthyology Class (Seine)
Ark Darter	Perciformes	Percidae	<i>Etheostoma caeruleum</i>	Center Creek by Sarcosle, Mo	4/12/2014 Released T&E (Pictured Fig 32)	Ichthyology Class (Seine)
Fan Tail Darter	Perciformes	Percidae	<i>Etheostoma flabellare</i>	Center Creek by Sarcosle, Mo	4/12/2014 Class Collection	Ichthyology Class (Seine)
Stippled Darter	Perciformes	Percidae	<i>Etheostoma punctulatum</i>	Center Creek by Sarcosle, Mo	4/12/2014 Class Collection	Ichthyology Class (Seine)
Logperch	Perciformes	Percidae	<i>Percina caprodes</i>	Kessee Mills Beaver Creek	4/12/2014 Personal Collection	Ichthyology Class (Seine)
Rainbow Darter	Perciformes	Percidae	<i>Etheostoma caeruleum</i>	James River by Galena, Mo	4/12/2014 Personal Collection	Ichthyology Class (Seine)
Banded Darter	Perciformes	Percidae	<i>Etheostoma zonale</i>	James River by Galena, Mo	4/12/2014 Personal Collection	Ichthyology Class (Seine)
Scaly Sided Darter	Perciformes	Percidae	<i>Ammocrypta vivax</i>	Elk River	4/13/2014 Released T&E (Pictured Fig 33)	Ichthyology Class (Seine)
Slough Darter	Perciformes	Percidae	<i>Etheostoma gracile</i>	Elk River 1 mile E. of Elk City	4/29/2014 Released SINC species Picture (Fig 34)	Dillon Barton, David Bayless (Seine)
Freshwater Drum	Perciformes	Sciaenidae	<i>Aplodinotus grunniens</i>	Pond S. of Jefferson, Ks 1 mile	4/26/2014 Picture (Fig 35)	Dillon Barton (Rod)

## **Description of Collection Sites**

### **4/12/14 Center Creek by Sarcoxie, Mo**

Old US 66

N 37°04'18.12 W -94° 06' 35.66

Jasper County, MO

Habitat: Stream

Collection area was below bridge with abundant amounts of vegetation. The substrate was mostly mud with a shallow slow current and backwater zones present. 17 Species were collected at this location by the Ichthyology class\*.

### **4/12/14 James River by Galena, Mo**

Off MO 125

N 36.80720, W -93.46265

Stone County, MO

Habitat: River

The collection area was in a RV park with low amounts of vegetation in the water. The substrate was mostly gravel with a swift current and gravel bars present. 12 Species were collected at this location by the Ichthyology class.

### **4/12/14 Kisse Mills on Beaver Creek**

Kisse Mills, MO

N 36.67333, W -93.02072

Taney County, MO

Habitat: Stream

The collection area included a backwater pond within an old structure. It was a mostly gravel substrate with a swift current present in the middle of the creek. 14 species were collected at this location by the Ichthyology class.

**4/13/14 White River by Van Buren US Hwy 160**

Sunburst Canoe Ranch

N 36.65482, W -92.22122

Ozark County, MO

Habitat: River

The collection area was highly vegetated with an island present. It was a gravel substrate with moderate depth and a swift current, although backwater areas were present. 7 Species were collected by the Ichthyology class.

**4/13/14 Black River**

MO 34, Mill Spring

N 36.99232, W -91.01342

Wayne County, MO

Habitat: River

Seven species were collected at this location by the Ichthyology class.

**4/13/14 Current River**

US 60, Van Buren Access

N 36.99232, W - 91.0134

Carter County, MO

Habitat: River

10 species were collected at this location by the Ichthyology class.

**4/18/14 Twin Bridges State Park Miami, Ok**

N 36.8095, W -94.7683

Ottawa County, MO

Habitat: River

One species was collected at this location (Paddlefish). It was caught by snagging from a boat. The collectors present were Devin Barton and Dillon Barton

**4/19/14 Verdigris River Cr 4725 2650**

N 37.10576, W -95.6353

Montgomery County, KS

Habitat: River

This collection location has some riffles and is known to be a good location for bow fishing. While we didn't shoot any fish we did find 4 species on the bank dead that had probably been shot. The collectors present were Devin Barton and Dillon Barton.

**4/20/14 Elk City Reservoir**

N 37.2570, W -95.7984

Montgomery County, KS

Habitat: Spillway and Lake

At this location the collection team (David Bayless, Dillon Barton) found 4 new species. The Gizzard Shad and Red Shiner were seined, while a picture of a live spotted gar in the water was opportunistically taken, as well as a dead flathead catfish on the bank.

**4/25/14 Caney River Near Elgin, Kansas**

N 36.9998, W -96.2979

Osage County, OK

Habitat: Riffles

This location provided 6 new species. The collectors were David Bayless and Dillon Barton using various seining methods

**4/26/14 Pond South of Jefferson 1 Mile**

N 37.12639, W -95.7649

100-100000-100000

100-100000-100000

100-100000-100000

One specimen was obtained at this location (100-100000-100000). It was caught by setting a trap in the area. The collection person was David Brown and Bill Smith.

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

This collection location was found to be a good location for new specimens. While no other specimens were found on the first day, the second day was very productive. The collection person was David Brown and Bill Smith.

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

All the specimens collected at this location (100-100000-100000) were new specimens. The collection person was David Brown and Bill Smith. The specimens were found in the area of the collection person's house.

100-100000-100000

100-100000-100000

100-100000-100000

100-100000-100000

This location provided a new specimen. The collection person was David Brown and Bill Smith. The specimen was found in the area of the collection person's house.

100-100000-100000

100-100000-100000



Montgomery County, KS

Habitat: Pond

5 new species were collected at this pond, owned by Devin Barton. He keeps goldfish stocked in a small sub-pond, which can be and were caught by hand. Using the rod and reel method I (Dillon Barton) caught a channel cat, drum, and a black bullhead. Using a seine and two collectors (Dillon and Devin Barton) a Golden Shiner was caught.

**4/27/14 Neosho River St.Paul, KS**

N 37.5133, W -95.2157

Neosho County, KS

Habitat: River, Riffles

The Neosho River provided 3 species to the collection. Multiple shortnose gar were shot by David Bayless using a bow, while a Ghost Shiner and Sand Shiner were caught in a seine net by David Bayless and Dillon Barton.

**4/29/14 Elk River**

N 37.2663, W -95.9185

Montgomery County, KS

Habitat: River

At the Elk River 3 new species were added to the collection, including one SINC species (Slough Darter pictured and released). A Blue Catfish was caught on rod and reel by David Bayless, while the Slough Darter and Fathead Minnows were collected using a seine net (Dillon Barton, David Bayless)

**5/2/14 Pond in Montgomery County Cr 1300 US Hwy 166**

N 37.0603, W -95.9499

Montgomery County, KS

Habitat:Pond

This pond owned by Kendal Barton was fished using rod and reel by Dillon Barton. 3 new species were found at this location including a dead grass carp, redear sunfish, and a black crappie.

**5/3/14 Copan Lake Copan, OK**

Montgomery County, MS

1961-1962

Two new species were collected at this locality. One was a small, slender, brownish, sub-ventral, which was found in a small, shallow, sandy, stream. The other was a small, slender, brownish, sub-ventral, which was found in a small, shallow, sandy, stream. Both species were found in the same locality.

1961-1962 New River, MS

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The following species were collected at this locality. One was a small, slender, brownish, sub-ventral, which was found in a small, shallow, sandy, stream. The other was a small, slender, brownish, sub-ventral, which was found in a small, shallow, sandy, stream. Both species were found in the same locality.

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1961-1962 New River, MS

N 36.9205, W -95.9541

Washington County, OK

Habitat: Lake

One species (White Crappie) was caught at this location using rod and reel off of a boat by Dillon Barton.

**5/4/14 Big Hill Lake**

N 37.2931, W -95.4581

Labette County, KS

Habitat: Lake

One species of fish (Smallmouth Bass) was caught at this location using a rod and reel off of the bank.

**\*Ichthyology class includes Allison Hullinger, Tyler Dubin, Briana Hall, Deann Harreld, Lewis Kellogg, Jared Lytle, Dillon Barton, McKenzie May, Jesse Morland, Thomas Myers, Thomas Westerhaus, Samantha Young, and James Triplett.**

IN RE: JAMES W. YOUNG

Washington County, OR

Plaintiff

vs.

James W. Young

Defendant

IN RE: JAMES W. YOUNG

Washington County, OR

Plaintiff

vs.

James W. Young

Plaintiff

## **Appendix**

rihroqA



Fig 1



Fig 2

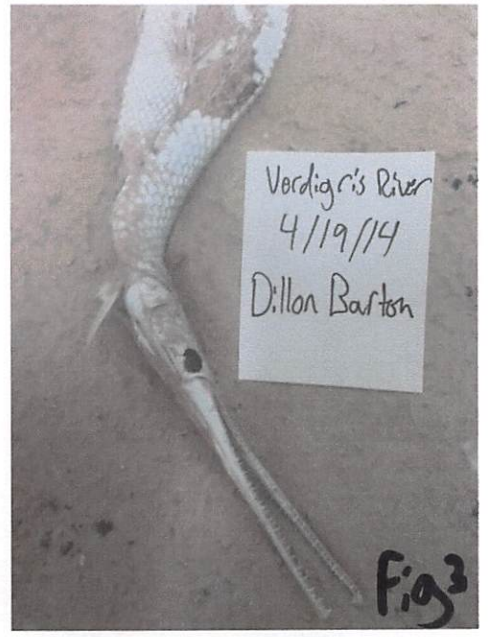


Fig 3



Fig 4

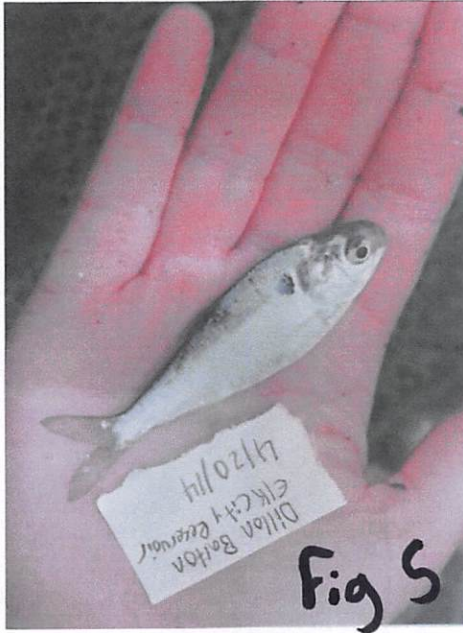


Fig 5



Fig 6



Fig 7



Fig 8

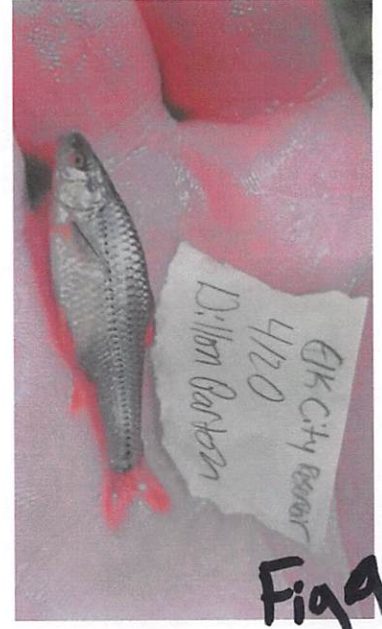


Fig 9

12.1

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Fig 10



Fig 11

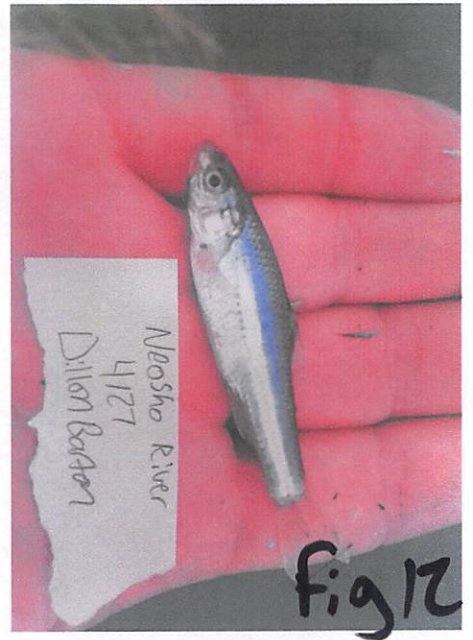


Fig 12



Fig 13

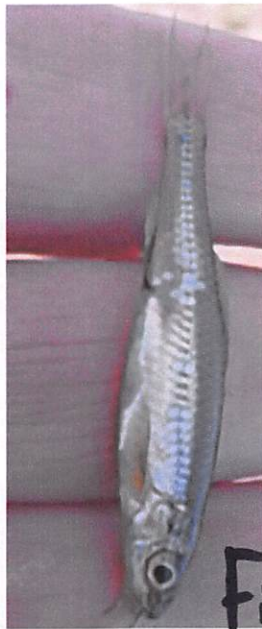


Fig 14



Fig 15

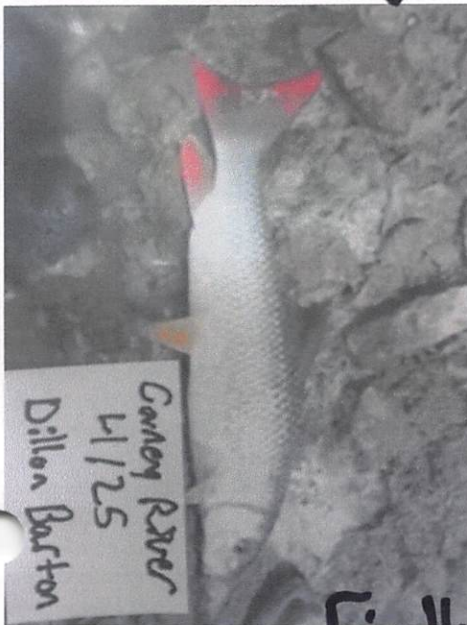


Fig 16

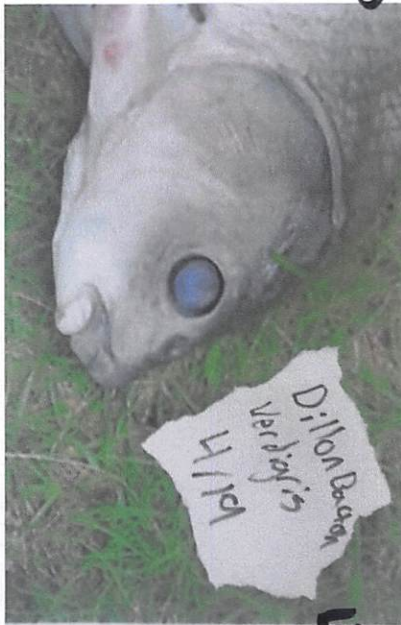


Fig 17



Fig 18

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100

100

100

100

100

100

100

100





Fig 27



Fig 19



Fig 20



Fig 21



Fig 22



Fig 23



Fig 24



Fig 25



Fig 26

10/17

10/17

10/17

10/17

10/17

10/17

10/17

10/17

10/17





Fig 24



Fig 29



Fig 30



Fig 31



Fig 32



Fig 33



Fig 34



Fig 35



Fig 36

2507

2507

2507

2507

2507

2507

2507

2507

2507

PERMIT HOLDER NAME (LAST NAME, FIRST NAME)	JRTH12294
PERMIT NUMBER (2-DIGIT)	EC-005-2013

DATE OF COLLECTION MM/DD/YYYY	WHAT WAS COLLECTED (PLEASE PRINT SPECIES NAME AND ANATOMICAL PARTS)	COMMON NAME	GENUS	SPECIFIC ENTRY	PLEASE INDICATE IF THIS SPECIES IS: ENDANGERED + E BLANK IF NONE OF THE ABOVE	QUANTITY COLLECTED (REMOVED AND/OR HANDLED)	COUNTY	DESCRIPTION OF THE AREA OF COLLECTION (PLEASE PRINT LOCATION AND MAP COORDINATES IF AVAILABLE)	LATITUDE N 23 27 27 W 85 52 52	LONGITUDE N 23 27 27 W 85 52 52	GPS ACCURACY (FEET)	IS THIS AN EXACT LOCATION (YES/NO)? EXPLAIN THE SIZE OF YOUR SAMPLE AREA FROM WHICH YOU OBTAINED THE SPECIMEN(S). Example: GPS reading was taken at midpoint of 200 meter survey site on the South Fork Mississippi River in Morgan County, MS	FINAL DISPOSITION OF SPECIMEN(S) (INCLUDE MUSEUM VOUCHER NUMBERS IF APPLICABLE)
4/25/2014 FISH	Red Shiner	Notemigonus	Notemigonus	Notemigonus		2	Mississippi	Red Shiner	N 23 27 27 W 85 52 52	N 23 27 27 W 85 52 52	6-10 feet	GPS reading was taken at midpoint of 200 meter survey site on the South Fork Mississippi River in Morgan County, MS	Specimens and Released
4/27/2014 FISH	Golden Shiner	Notemigonus	Notemigonus	Notemigonus		1	Mississippi	Golden Shiner	N 23 27 27 W 85 52 52	N 23 27 27 W 85 52 52	6-10 feet	GPS reading was taken at midpoint of 200 meter survey site on the South Fork Mississippi River in Morgan County, MS	Specimens and Released
4/28/2014 FISH	Golden Shiner	Notemigonus	Notemigonus	Notemigonus		1	Mississippi	Golden Shiner	N 23 27 27 W 85 52 52	N 23 27 27 W 85 52 52	6-10 feet	GPS reading was taken at midpoint of 200 meter survey site on the South Fork Mississippi River in Morgan County, MS	Specimens and Released
4/28/2014 FISH	Golden Shiner	Notemigonus	Notemigonus	Notemigonus		4	Mississippi	Golden Shiner	N 23 27 27 W 85 52 52	N 23 27 27 W 85 52 52	6-10 feet	GPS reading was taken at midpoint of 200 meter survey site on the South Fork Mississippi River in Morgan County, MS	Specimens and Released