

Andrea Taylor
Spring 1994

Ichthyology Field Notebook

Chronological Listing

Site #1

March 19, 1994

Sulphur River

Junction of Hwys. 19 and 24

19.2 km south of Paris, Texas

Delta Co., Texas

Township, Range and Section (not used in Texas)

Habitat: stream

Species collected:

<i>Genus & Species</i>	<i>Common Name</i>	<i>Number collected</i>
<u>Cyprinella lutrensis</u>	(Red Shiner)	(40)
<u>Lepomis macrochirus</u>	(Bluegill)	(01)
<u>Lepomis marginatus</u>	(Dollar Sunfish)	(02)
<u>Pimephales vigilax</u>	(Bullhead Minnow)	(34)

Collectors: **Texas Trip, Spring Break 1994

Site #2

March 19, 1994

South Sulphur River

Junction of Hwys. 19 and 54

25.6 km north of Sulphur Springs

Hopkins Co., Texas

T, R & Sec. (not used in Texas)

Habitat: stream

Species Collected:

<u>Elassoma zonatum</u>	(Banded Pigmy Sunfish)	(01)
<u>Gambusia affinis</u>	(Western Mosquitofish)	(12)
<u>Lepisosteus oculatus</u>	(Spotted Gar)	(01)
<u>Lepomis cyanellus</u>	(Green Sunfish)	(02)

<u>Lepomis gulosus</u>	(Warmouth)	(01)
<u>Lepomis macrochirus</u>	(Bluegill)	(07)
<u>Lepomis marginatus</u>	(Dollar Sunfish)	(10)
<u>Lepomis microlophus</u>	(Redear Sunfish)	(07)
<u>Pomoxis annularis</u>	(White Crappie)	(01)

Collectors: **Texas Trip, Spring Break 1994

Site #3

March 19, 1994

Sabine River (north side)

Hwy. 37

4.8 km south of Minniola, Texas

Wood Co., Texas

T, R & Sec. (not used in Texas)

Habitat: stream

Species collected:

<u>Cyprinella lutrensis</u>	(Red Shiner)	(04)
<u>Cyprinella venusta</u>	(Blacktail Shiner)	(01)
<u>Elassoma zonatum</u>	(Banded Pigmy Sunfish)	(02)
<u>Erimyzon oblongus</u>	(Creek Chubsucker)	(01)
<u>Esox americanus americanus</u>	(Grass Pickerel)	(01)
<u>Etheostoma fusiformes</u>	(Swamp Darter)	(01)
<u>Lepomis marginatus</u>	(Dollar Sunfish)	(02)
<u>Notropis amabilis</u>	(Texas Shiner)	(03)
<u>Notropis brazosensis</u>	(Brazos River Shiner)	(10)
<u>Pimephales vigilax</u>	(Bullhead Minnow)	(03)

Collectors: **Texas Trip, Spring Break 1994

Site #4

March 19, 1994

Navasota River (north side)

Hwy. 79

8 km south of Marquez, Texas

Leon Co., Texas

T, R & Sec. (not used in Texas)

Habitat: stream

Species collected:

<u>Cyprinella lutrensis</u>	(Red Shiner)	(16)
<u>Gambusia affinis</u>	(Western Mosquitofish)	(02)
<u>Lepomis marginatus</u>	(Dollar Sunfish)	(01)
<u>Labidesthes sicculus</u>	(Brook Silverside)	(02)
<u>Percina sciera</u>	(Dusky Darter)	(01)
<u>Pimephales vigilax</u>	(Bullhead Minnow)	(05)

Collectors: **Texas Trip, Spring Break 1994

Site #5

March 20, 1994

Little Brazos River

Hwy 21 South

9.6 km southwest of Bryan, Texas

Brazos Co., Texas

T, R & Sec. (not used in Texas)

Habitat: stream

Species collected:

<u>Carpionodes carpio</u>	(River Carpsucker)	(01)
<u>Cyprinella lutrensis</u>	(Red Shiner)	(12)
<u>Cyprinella venusta</u>	(Blacktail Shiner)	(16)
<u>Dionda episcopa</u>	(Roundnose Minnow)	(08)
<u>Fundulus notatus</u>	(Blackstripe Minnow)	(01)
<u>Ictalurus punctatus</u>	(Channel Catfish)	(02)
<u>Lepomis macrochirus</u>	(Bluegill)	(01)
<u>Lepomis microlophus</u>	(Redear Sunfish)	(01)
<u>Lepomis punctatus</u>	(Spotted Sunfish)	(01)
<u>Notropis brazosensis</u>	(Brazos River Shiner)	(12)
<u>Notropis oxyrhynchus</u>	(Sharpnose Shiner)	(02)
<u>Pimephales vigilax</u>	(Bullhead Minnow)	(06)

Collectors: **Texas Trip, Spring Break 1994

Site #6

March 21, 1994

Hopper's Landing

Hwy. 239

6.4 km north of Aransas National Wildlife Refuge

Refugio Co., Texas

Habitat: Saltwater Bay

Species collected:

<u>Anchoa hepsetus</u>	(Striped Anchovy)	(25)
<u>Anchoa mitchilli</u>	(Bay Anchovy)	(09)
<u>Bathygobius soporator</u>	(Frillfin Goby)	(01)
<u>Brevoortia patronus</u>	(Gulf Menhaden)	(01)
<u>Cynoscion nebulosus</u>	(Spotted Sea Trout)	(09)
<u>Cyprinodon variegatus</u>	(Sheepshead Minnow)	(04)
<u>Fundulus heteroclitus</u>	(Gulf Killifish)	(01)
<u>Gobiosoma boscii</u>	(Naked Goby)	(03)
<u>Membras martinica</u>	(Rough Silverside)	(13)
<u>Mugil cephalus</u>	(Striped Mullet)	(01)
<u>Mugil curema</u>	(White Mullet)	(08)
<u>Paralichthys albigutta</u>	(Gulf Flounder)	(08)
<u>Pogonias cromis</u>	(Black Drum)	(35)
<u>Stellifer lanceolatus</u>	(Star Drum)	(32)

Collectors: **Texas Trip, Spring Break 1994

Site #7

March 21, 1994

Aransas Bay (southeast side of overpass)

Hwy. 355

3.2 km north of Fulton, Texas

Aransas Co., Texas

T, R & Sec. (not used in Texas)

Habitat: Saltwater Bay

Species collected:

<u>Anchoa mitchilli</u>	(Bay Anchovy)	(07)
<u>Brevoortia patronus</u>	(Gulf Menhaden)	(03)
<u>Cynoscion nebulosus</u>	(Spotted Sea Trout)	(07)
<u>Cyprinodon variegatus</u>	(Sheepshead Minnow)	(01)
<u>Fundulus heteroclitus</u>	(Gulf Killifish)	(09)
<u>Fundulus similis</u>	(Longnose Killifish)	(02)
<u>Labrisomus nuchipinnus</u>	(Hairy Blenny)	(02)
<u>Lagodon rhomboides</u>	(Pinfish)	(01)
<u>Menidia peninsulae</u>	(Tidewater Silverside)	(04)
<u>Paralichthys albigutta</u>	(Gulf Flounder)	(02)
<u>Pogonias cromis</u>	(Black Drum)	(02)

<u>Stellifer lanceolatus</u>	(Star Drum)	(07)
<u>Symphurus plagiatus</u>	(Blackcheek Tongue)	(01)
<u>Syngnathus scovelli</u>	(Gulf Pipefish)	(14)

Collectors: **Texas Trip, Spring Break 1994

Site #8

March 22, 1994

North beach on Mustang Island (seashore)

P22 Road

.16 km north of Padre Island, Texas

Nueces Co., Texas

T, R & Sec. (not used in Texas)

Habitat: Saltwater

Species collected:

<u>Ancylopsetta quadrocellata</u>	(Oscelated Flounder)	(01)
<u>Brevoortia patronus</u>	(Gulf Menhaden)	(01)
<u>Henegula jaguana</u>	(Scaled Sardine)	(01)
<u>Lagodon rhomboides</u>	(Pinfish)	(01)
<u>Membras martinica</u>	(Rough Silverside)	(05)
<u>Menticirrhus americanus</u>	(Southern Kingfish)	(01)
<u>Polydactylus octonemus</u>	(Atlantic Threadfin)	(11)
<u>Stellifer lanceolatus</u>	(Star Drum)	(04)
<u>Syngnathus floridae</u>	(Dusky Pipefish)	(02)

Collectors: **Texas Trip, Spring Break 1994

Site #13

March 22, 1994

Adolf Thomae Jr. County Park

Hwy. 292 South

Aransas Co., Texas

T, R & Sec. (not used in Texas)

Habitat: Channel

Species collected:

<u>Arius felis</u>	(Hardhead Catfish)	(01)
<u>Lepisosteus spatula</u>	(Alligator Gar)	(01)

Collectors: **Texas Field Trip, Spring Break 1994

Site #9

March 24, 1994

Brazos Island

Hwy. 4

3.2 km north of Boca Chica, Texas

Rio Grande (where north side meets the Gulf of Mexico)

Cameron Co., Texas

Habitat: Saltwater Shoreline

Species collected:

<u>Anchoa cubana</u>	(Cuban Anchovy)	(01)
<u>Anchoa michilli</u>	(Bay Anchovy)	(02)
<u>Citharichthys spilopterus</u>	(Bay Whiff)	(15)
<u>Gobionellus shufeldti</u>	(Freshwater Goby)	(13)
<u>Henegula jaguana</u>	(Scaled Sardine)	(01)
<u>Menidia peninsulæ</u>	(Tidewater Silverside)	(08)
<u>Pogonias cromis</u>	(Black Drum)	(01)
<u>Polydactylus octonemus</u>	(Atlantic Threadfin)	(07)
<u>Sardinella aurita</u>	(Spanish Sardine)	(03)
<u>Syngnathus louisianæ</u>	(Chain Pipefish)	(01)
<u>Urophycis floridana</u>	(Southern Hake)	(03)

Collectors: **Texas Trip, Spring Break 1994

Site #10

March 25, 1994

Lagoona Madre

Hwy. 100 West

.16 north of South Padre City, Texas

Cameron Co., Texas

T, R & Sec. (not used in Texas)

Habitat: Backwater Lagoon

Species collected:

<u>Bathygobius soporator</u>	(Frillfin Goby)	(03)
<u>Cynoscion nebulosus</u>	(Spotted Sea Trout)	(04)
<u>Fundulus similis</u>	(Longnose Killifish)	(03)
<u>Gobiosoma basale</u>	(Naked Goby)	(01)
<u>Gobiosoma robustum</u>	(Code Goby)	(03)
<u>Hippocampus erectus</u>	(Lined Seahorse)	(02)
<u>Hippocampus zosterae</u>	(Dwarf Seahorse)	(01)
<u>Lucania parva</u>	(Rainwater Killifish)	(09)
<u>Menidia peninsulæ</u>	(Tidewater Silverside)	(02)
<u>Mugil cephalus</u>	(Striped Mullet)	(01)
<u>Peprilus triacanthus</u>	(Butterfish)	(17)

Collectors: **Texas Trip, Spring Break 1994

Site #11

March 25, 1994

South Padre Island (Gulf of Mexico)

Hwy. 100 East

4.8 km north of South Padre City, Texas

Cameron Co., Texas

T, R & Sec. (not used in Texas)

Habitat: Saltwater Shoreline

Species collected:

<u>Hippocampus erectus</u>	(Lined Seahorse)	(01)
<u>Histrio histrio</u>	(Sargassumfish)	(03)
<u>Urophycis floridana</u>	(Southern Hake)	(24)

Collectors: **Texas Trip, Spring Break 1994

Site #12

March 25, 1994

South Padre Island. Southern end of South Padre City, Texas.

Hwy. 100 West

.16 km at park

Cameron Co., Texas

T, R & Sec. (not used in Texas)

Habitat: Jettys

Species collected:

<u>Dasyatis sabina</u>	(Atlantic Stingray)	(01)
<u>Scartella crista</u>	(Molly Miller)	(04)

Collectors: **Texas Trip, Spring Break 1994

Site #14

April 16, 1994

Junction of Hwys. 59 and 47

3.2 km south of Erie, Kansas

Neosho, Co. Kansas

T 29S R19E Sec.12

Habitat: ponds and a small lake

Species collected:

<u>Dorosoma cepedianum</u>	(Gizzard Shad)	(02)
<u>Lepomis cyanellus</u>	(Green Sunfish)	(01)
<u>Lepomis humilis</u>	(Orangespotted Sunfish)	(02)
<u>Lepomis macrochirus</u>	(Bluegill)	(03)
<u>Lepomis microlophus</u>	(Redear Sunfish)	(02)
<u>Micropterus salmoides</u>	(Largemouth Bass)	(03)
<u>Notemigonus crysoleucas</u>	(Golden Shiner)	(02)
<u>Pimephales promelas</u>	(Fathead Minnow)	(04)
<u>Pomoxis annularis</u>	(White Crappie)	(01)

Collectors: *Kansas Crew

Site #15

April 22, 1994

3.2 km north, then 1.4 km east of Catholic Church in St. Paul, Kansas

Neosho Co., Kansas

T29S R19E Sec.6

Habitat: stream

Species collected:

<u>Ameiurus melas</u>	(Black Bullhead)	(02)
<u>Campostoma anomalum</u>	(Central Stoneroller)	(03)
<u>Campostoma oliglepis</u>	(Largescale Stoneroller)	(03)
<u>Etheostoma caeruleum</u>	(Rainbow Darter)	(02)
<u>Etheostoma spectabile</u>	(Orangethroat Darter)	(02)
<u>Labidesthes sicculus</u>	(Brook Silverside)	(10)
<u>Notemigonus crysoleucas</u>	(Golden Shiner)	(04)
<u>Notropis stramineus</u>	(Sand Shiner)	(03)
<u>Notropis umbratilis</u>	(Redfin Shiner)	(05)
<u>Noturus nocturnus</u>	(Freckled Madtom)	(01)
<u>Percina caprodes</u>	(Logperch)	(01)
<u>Phenacobius mirabilis</u>	(Suckermouth Minnow)	(02)

Collectors: *Kansas Crew

TEXAS COLLECTION

	<i>Genus & Species</i>	<i>Common Name</i>	<i>Number collected</i>
1.	<u>Cyprinella lutrensis</u>	(Red Shiner)	(72)
2.	<u>Lepomis macrochirus</u>	(Bluegill)	(09)
3.	<u>Lepomis marginatus</u>	(Dollar Sunfish)	(15)
4.	<u>Pimephales vigilax</u>	(Bullhead Minnow)	(48)
5.	<u>Elassoma zonatum</u>	(Banded Pigmy Sunfish)	(03)
6.	<u>Gambusia affinis</u>	(Western Mosquitofish)	(14)
7.	<u>Lepisosteus oculatus</u>	(Spotted Gar)	(01)
8.	<u>Lepomis cyanellus</u>	(Green Sunfish)	(02)
9.	<u>Lepomis gulosus</u>	(Warmouth)	(01)
10.	<u>Lepomis microlophus</u>	(Redear Sunfish)	(08)
11.	<u>Pomoxis annularis</u>	(White Crappie)	(01)
12.	<u>Cyprinella lutrensis</u>	(Red Shiner)	(04)
13.	<u>Cyprinella venusta</u>	(Blacktail Shiner)	(17)
14.	<u>Erimyzon oblongus</u>	(Creek Chubsucker)	(01)
15.	<u>Esox americanus americanus</u>	(Grass Pickerel)	(01)
16.	<u>Etheostoma fusiformes</u>	(Swamp Darter)	(01)
17.	<u>Notropis amabilis</u>	(Texas Shiner)	(03)
18.	<u>Notropis brazosensis</u>	(Brazos River Shiner)	(22)
19.	<u>Labidesthes sicculus</u>	(Brook Silverside)	(02)
20.	<u>Percina sciera</u>	(Dusky Darter)	(01)
21.	<u>Carpionodes carpio</u>	(River Carpsucker)	(01)
22.	<u>Cyprinella venusta</u>	(Blacktail Shiner)	(16)
23.	<u>Dionda episcopa</u>	(Roundnose Minnow)	(08)
24.	<u>Fundulus notatus</u>	(Blackstripe Minnow)	(01)
25.	<u>Ictalurus punctatus</u>	(Channel Catfish)	(02)
26.	<u>Lepomis punctatus</u>	(Spotted Sunfish)	(01)
27.	<u>Notropis oxyrinchus</u>	(Sharpnose Shiner)	(02)
28.	<u>Pimephales vigilax</u>	(Bullhead Minnow)	(06)
29.	<u>Anchoa hepsetus</u>	(Striped Anchovy)	(25)
30.	<u>Anchoa mitchilli</u>	(Bay Anchovy)	(18)
31.	<u>Bathygobius soporator</u>	(Frillfin Goby)	(05)
32.	<u>Brevoortia patronus</u>	(Gulf Menhaden)	(05)
33.	<u>Cynoscion nebulosus</u>	(Spotted Sea Trout)	(16)
34.	<u>Cyprinodon variegatus</u>	(Sheepshead Minnow)	(05)
35.	<u>Fundulus heteroclitus</u>	(Gulf Killifish)	(10)
36.	<u>Gobiosoma bosc</u>	(Naked Goby)	(04)

37.	<i>Membras martinica</i>	(Rough Silverside)	(18)
38.	<i>Mugil cephalus</i>	(Striped Mullet)	(02)
39.	<i>Mugil curema</i>	(White Mullet)	(08)
40.	<i>Paralichthys albipinna</i>	(Gulf Flounder)	(10)
41.	<i>Pogonias cromis</i>	(Black Drum)	(38)
42.	<i>Stellifer lanceolatus</i>	(Star Drum)	(43)
43.	<i>Anchoa mitchilli</i>	(Bay Anchovy)	(07)
44.	<i>Brevoortia patronus</i>	(Gulf Menhaden)	(03)
45.	<i>Cynoscion nebulosus</i>	(Spotted Sea Trout)	(11)
46.	<i>Fundulus similis</i>	(Longnose Killifish)	(05)
47.	<i>Labrisomus nuchipinnus</i>	(Hairy Blenny)	(02)
48.	<i>Lagodon rhomboides</i>	(Pinfish)	(02)
49.	<i>Meridia peninsulæ</i>	(Tidewater Silverside)	(14)
50.	<i>Symphurus plagiusa</i>	(Blackcheek Tongue)	(01)
51.	<i>Syngnathus scovelli</i>	(Gulf Pipefish)	(14)
52.	<i>Ancylopsetta quadricellata</i>	(Oscelated Flounder)	(01)
53.	<i>Hemegula jaguana</i>	(Scaled Sardine)	(02)
54.	<i>Menticirrhus americanus</i>	(Southern Kingfish)	(01)
55.	<i>Polydactylus octonemus</i>	(Atlantic Threadfin)	(18)
56.	<i>Syngnathus floridae</i>	(Dusky Pipefish)	(02)
57.	<i>Arius felis</i>	(Hardhead Catfish)	(01)
58.	<i>Lepisosteus spatula</i>	(Alligator Gar)	(01)
59.	<i>Anchoa cubana</i>	(Cuban Anchovy)	(01)
60.	<i>Citharichthys spilopterus</i>	(Bay Whiff)	(15)
61.	<i>Gobionellus shufeldti</i>	(Freshwater Goby)	(13)
62.	<i>Sardinella aurita</i>	(Spanish Sardine)	(03)
63.	<i>Syngnathus louisianae</i>	(Chain Pipefish)	(01)
64.	<i>Urophycis floridana</i>	(Southern Hake)	(27)
65.	<i>Gobiosoma robustum</i>	(Code Goby)	(03)
66.	<i>Hippocampus erectus</i>	(Lined Seahorse)	(03)
67.	<i>Hippocampus zosterae</i>	(Dwarf Seahorse)	(01)
68.	<i>Lucania parva</i>	(Rainwater Killifish)	(09)
69.	<i>Pepinus triacanthus</i>	(Butterfish)	(17)
70.	<i>Histrio histrio</i>	(Sargassumfish)	(03)
71.	<i>Dasyatis sabinas</i>	(Atlantic Stingray)	(01)
72.	<i>Scartella cristata</i>	(Molly Miller)	(04)

KANSAS COLLECTION

1.	<u>Dorosoma cepedianum</u>	(Gizzard Shad)	(02)
2.	<u>Lepomis cyanellus</u>	(Green Sunfish)	(01) <i>microlophus</i>
3.	<u>Lepomis humilis</u>	(Orangespotted Sunfish)	(02)
4.	<u>Lepomis macrochirus</u>	(Bluegill)	(03)
5.	<u>Lepomis microlophus</u>	(Redear Sunfish)	(02)
6.	<u>Micropterus salmoides</u>	(Largemouth Bass)	(03)
7.	<u>Notemigonus crysoleucas</u>	(Golden Shiner)	(06)
8.	<u>Pimephales promelas</u>	(Fathead Minnow)	(04)
9.	<u>Pomoxis annularis</u>	(White Crappie)	(01)
10.	<u>Ameiurus melas</u>	(Black Bullhead)	(02)
11.	<u>Campostoma anomalum</u>	(Central Stoneroller)	(03)
12.	<u>Campostoma oligolepis</u>	(Largescale Stoneroller)	(03)
13.	<u>Etheostoma caeruleum</u>	(Rainbow Darter)	(02)
14.	<u>Etheostoma spectabile</u>	(Orangethroat Darter)	(02)
15.	<u>Labidesthes sicculus</u>	(Brook Silverside)	(10)
16.	<u>Notropis umbratilis</u>	(Redfin Shiner)	(05)
17.	<u>Noturus nocturnus</u>	(Freckled Madtom)	(01)
18.	<u>Percina caprodes</u>	(Logperch)	(01)
19.	<u>Phenacobius mirabilis</u>	(Suckermouth Minnow)	(02)

TEXAS COLLECTION LOCATIONS

Jar #1:

<u>Cyprinella lutrensis</u>	(Red Shiner)
<u>Lepomis macrochirus</u>	(Bluegill)
<u>Lepomis marginatus</u>	(Dollar Sunfish)
<u>Pimephales vigilax</u>	(Bullhead Minnow)

Jar #2:

<u>Elassoma zonatum</u>	(Banded Pigmy Sunfish)
<u>Gambusia affinis</u>	(Western Mosquitofish)
<u>Lepisosteus oculatus</u>	(Spotted Gar)
<u>Lepomis cyanellus</u>	(Green Sunfish)
<u>Lepomis gulosus</u>	(Warmouth)
<u>Lepomis macrochirus</u>	(Bluegill)
<u>Lepomis marginatus</u>	(Dollar Sunfish)
<u>Lepomis microlophus</u>	(Redear Sunfish)
<u>Pomoxis annularis</u>	(White Crappie)

Jar #3:

<u>Cyprinella lutrensis</u>	(Red Shiner)
<u>Cyprinella venusta</u>	(Blacktail Shiner)
<u>Elassoma zonatum</u>	(Banded Pigmy Sunfish)
<u>Erimyzon oblongus</u>	(Creek Chubsucker)
<u>Esox americanus americanus</u>	(Grass Pickerel)
<u>Etheostoma fusiformes</u>	(Swamp Darter)
<u>Lepomis marginatus</u>	(Dollar Sunfish)
<u>Notropis amabilis</u>	(Texas Shiner)
<u>Notropis brazosensis</u>	(Brazos River Shiner)
<u>Pimephales vigilax</u>	(Bullhead Minnow)

Jar #4:

<u>Cyprinella lutrensis</u>	(Red Shiner)
<u>Gambusia affinis</u>	(Western Mosquitofish)
<u>Lepomis marginatus</u>	(Dollar Sunfish)
<u>Labidesthes sicculus</u>	(Brook Silverside)
<u>Percina sciera</u>	(Dusky Darter)
<u>Pimephales vigilax</u>	(Bullhead Minnow)

Jar #5:

<u>Carpionodes carpio</u>	(River Carpsucker)
<u>Cyprinella lutrensis</u>	(Red Shiner)
<u>Cyprinella venusta</u>	(Blacktail Shiner)
<u>Dionda episcopa</u>	(Roundnose Minnow)
<u>Fundulus notatus</u>	(Blackstripe Minnow)
<u>Ictalurus punctatus</u>	(Channel Catfish)
<u>Lepomis macrochirus</u>	(Bluegill)
<u>Lepomis microlophus</u>	(Redear Sunfish)
<u>Lepomis punctatus</u>	(Spotted Sunfish)
<u>Notropis brazosensis</u>	(Brazos River Shiner)
<u>Notropis oxyrhynchus</u>	(Sharpnose Shiner)
<u>Pimephales vigilax</u>	(Bullhead Minnow)

Jar #6:

<u>Anchoa hepsetus</u>	(Striped Anchovy)
<u>Anchoa mitchilli</u>	(Bay Anchovy)
<u>Bathygobius soporator</u>	(Frillfin Goby)
<u>Brevoortia patronus</u>	(Gulf Menhaden)
<u>Cynoscion nebulosus</u>	(Spotted Sea Trout)
<u>Cyprinodon variegatus</u>	(Sheepshead Minnow)
<u>Fundulus heteroclitus</u>	(Gulf Killifish)
<u>Gobiosoma bosc</u>	(Naked Goby)
<u>Membras martinica</u>	(Rough Silverside)
<u>Mugil cephalus</u>	(Striped Mullet)
<u>Mugil curema</u>	(White Mullet)
<u>Paralichthys albigutta</u>	(Gulf Flounder)
<u>Pogonias cromis</u>	(Black Drum)
<u>Stellifer lanceolatus</u>	(Star Drum)

Jar #7:

<u>Anchoa michilli</u>	(Bay Anchovy)
<u>Brevoortia patronus</u>	(Gulf Menhaden)
<u>Cynoscion nebulosus</u>	(Spotted Sea Trout)
<u>Cyprinodon variegatus</u>	(Sheepshead Minnow)
<u>Fundulus heteroclitus</u>	(Gulf Killifish)
<u>Fundulus similis</u>	(Longnose Killifish)
<u>Labrisomus nuchipinnus</u>	(Hairy Blenny)
<u>Lagodon rhomboides</u>	(Pinfish)
<u>Menidia peninsulæ</u>	(Tidewater Silverside)
<u>Paralichthys albigutta</u>	(Gulf Flounder)
<u>Pogonias cromis</u>	(Black Drum)
<u>Stellifer lanceolatus</u>	(Star Drum)
<u>Symphurus plagiusa</u>	(Blackcheek Tongue)
<u>Syngnathus scovelli</u>	(Gulf Pipefish)

Jar #8:

<u>Ancylosetta quadrocellata</u>	(Oscelated Flounder)
<u>Brevoortia patronus</u>	(Gulf Menhaden)
<u>Henegula jaguana</u>	(Scaled Sardine)
<u>Lagodon rhomboides</u>	(Pinfish)
<u>Membras martinica</u>	(Rough Silverside)
<u>Menticirrhus americanus</u>	(Southern Kingfish)
<u>Polydactylus octonemus</u>	(Atlantic Threadfin)
<u>Stellifer lanceolatus</u>	(Star Drum)
<u>Syngnathus floridae</u>	(Dusky Pipefish)

Jar #9:

<u>Anchoa cubana</u>	(Cuban Anchovy)
<u>Anchoa michilli</u>	(Bay Anchovy)
<u>Citharichthys spilopterus</u>	(Bay Whiff)
<u>Gobionellus shufeldti</u>	(Freshwater Goby)
<u>Henegula jaguana</u>	(Scaled Sardine)
<u>Menidia peninsulæ</u>	(Tidewater Silverside)
<u>Pogonias cromis</u>	(Black Drum)
<u>Polydactylus octonemus</u>	(Atlantic Threadfin)
<u>Sardinella aurita</u>	(Spanish Sardine)
<u>Syngnathus louisianae</u>	(Chain Pipefish)
<u>Urophycis floridana</u>	(Southern Hake)

Jar #10:

<u>Bathygobius soporator</u>	(Frillfin Goby)
<u>Cynoscion nebulosus</u>	(Spotted Sea Trout)
<u>Fundulus similis</u>	(Longnose Killifish)
<u>Gobiosoma baso</u>	(Naked Goby)
<u>Gobiosoma robustum</u>	(Code Goby)
<u>Hippocampus erectus</u>	(Lined Seahorse)
<u>Hippocampus zosterae</u>	(Dwarf Seahorse)
<u>Lucania parva</u>	(Rainwater Killifish)
<u>Menidia peninsulae</u>	(Tidewater Silverside)
<u>Mugil cephalus</u>	(Stripped Mullet)
<u>Peprilus triacanthus</u>	(Butterfish)

Jar #11:

<u>Hippocampus erectus</u>	(Lined Seahorse)
<u>Histrio histrio</u>	(Sargassumfish)
<u>Urophycis floridana</u>	(Southern Hake)

Jar #12:

<u>Dasyatis sabinas</u>	(Atlantic Stingray)
<u>Scartella crista</u>	(Molly Miller)

Jar #13:

<u>Arius felis</u>	(Hardhead Catfish)
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Refer to George Thomas Photographs:

<u>Lepisosteus oculatus</u>	(Spotted Gar)
<u>Lepisosteus spatula</u>	(Alligator Gar)

KANSAS COLLECTION LOCATIONS
(Refer to Alisyn Austin's Jars)

Jar #1

Labidesthes sicculus (Brook Silverside)
Notropis stramineus (Sand Shiner)

Jar #2

Notemigonus crysoleucas (Golden Shiner)
Lythrurus Notropis umbratilis (Redfin Shiner)
Percina caprodes (Logperch)
Pimephales notatus (Bluntnose Minnow)

Jar #3

#14 Campostoma anomalum (Central Stoneroller)
#5 Campostoma oliglepis (Largescale Stoneroller)
#3 Noturus nocturnus (Freckled Madtom)
#3 Pomoxis annularis (White Crappie)

Jar #4

Ameiurus melas (Black Bullhead)

Jar #5

Etheostoma caeruleum (Rainbow Darter)
Etheostoma spectabile (Orangethroat Darter)
Phenacobius mirabilis (Suckermouth Minnow)

Jar #6

Dorosoma cepedianum (Gizzard Shad)
Lepomis cyanellus (Green Sunfish)
Lepomis humilis (Orangespotted Sunfish)
Lepomis macrochirus (Bluegill)
Lepomis microlophus (Redear Sunfish)
Micropterus salmoides (Largemouth Bass)
Pimephales promelas (Fathead Minnow)

microlophus - note long pectoral, sm. mouth.

KANSAS CREW

**Dan Vanleeuwen
Jack Bohannon
Liz Hicks
Alisyn Austin
Andrea Taylor
Mark Macari**

****TEXAS TRIP****

Daniel T. Albertii
Jack Bohannon
Diane Borovetz
Jamie Doolin
Tom Hayes
Liz Hicks
Doug Jagels
Matt Kern
Peyton Lewman
Brent Luedke
Mark Macari
John Murray
Ronald Payne
Chris Peterson
Aaron Schnurbusch
Andrea Taylor
Dan VanLeeuwen