

I. Phylogenetic List

65 Species Total

Order: Atheriniformes	Location:
Family: Atherinidae	
<i>Labidesthes sicculus</i>	Picture # 1
Family: Atherinopsidea	
<i>Menidia beryllina</i>	Dauphin Island Collection (donated)
<i>Menidia peninsulae</i>	Dauphin Island Collection (donated)
Order: Anguilliformes	
Family: Muraenidae	
<i>Gymnothorax moringa</i>	Dauphin Island Collection (donated)
Order: Aulopiformes	
Family: Synodontidae	
<i>Synodus foetens</i>	Dauphin Island Collection (donated)
Order: Batrachoidiformes	
Family: Batrachoididae	
<i>Opsanus beta</i>	Dauphin Island Collection (donated)
Order: Clupeiformes	
Family: Clupeidae	
<i>Dorosoma cepedianum</i>	Jar #1 Donated to Nature Reach
Order: Cyprinodontiformes	
Family: Cyprinodontidae	
<i>Cyprinodon variegatus</i>	Dauphin Island Collection (donated)
Family: Fundulidae	
<i>Adina xenica</i>	Dauphin Island Collection (donated)
<i>Fundulus confluentus</i>	Dauphin Island Collection (donated)
<i>Fundulus grandis</i>	Dauphin Island Collection (donated)
<i>Fundulus majalis</i>	Dauphin Island Collection (donated)
<i>Fundulus pulverus</i>	Dauphin Island Collection (donated)
Family: Poeciliidae	
<i>Gambusia holbrooki</i>	Dauphin Island Collection (donated)
<i>Poecilia latipinna</i>	Dauphin Island Collection (donated)

Order: Cypriniformes	
Family: Cyprinidae	
<i>Campostoma anomulum</i>	Jar #1 Donated to Nature Reach
<i>Pimephales notatus</i>	Jar #1 Donated to Nature Reach
<i>Semotilus atromaculatus</i>	Jar #1 Donated to Nature Reach
<i>Notropis ludibundus</i>	Jar #1 Donated to Nature Reach
Family: Engulidae	
<i>Anchoa mitchilli</i>	Dauphin Island Collection (donated)
<i>Anchoa nepsetus</i>	Dauphin Island Collection (donated)
Order: Gadiformes	
Family: Merluccidae	
<i>Merluccius australis</i>	Dauphin Island Collection (donated)
Order: Gobiesociformes	
Family: Gobiesocidae	
<i>Gobiesox strumosus</i>	Dauphin Island Collection (donated)
Order: Myliobatiformes	
Family: Dasyatidae	
<i>Dasyatis Sabina</i>	Dauphin Island Collection (donated)
Family: Myliobatidae	
<i>Rhinoptera bonasus</i>	Dauphin Island Collection (donated)
Order: Ophidiiformes	
Family: Ophidiidae	
<i>Lepophidium pheromystax</i>	Dauphin Island Collection (donated)
Order: Perciformes	
Family: Centrarchidae	
<i>Lepomis humilus</i>	Picture # 2
<i>Lepomis macrochivus</i>	Jar #1 Donated to Nature Reach
<i>Lepomis megalotis</i>	Jar #1 Donated to Nature Reach
<i>Lepomis microlophus</i>	Jar #1 Donated to Nature Reach
<i>Micropterus salmoides</i>	Picture # 3
<i>Pomoxis annularis</i>	Jar #1 Donated to Nature Reach
Family: Ehippidae	
<i>Chaetodipterus faber</i>	Dauphin Island Collection (donated)
Family: Gobiidae	
<i>Bathygobius soporator</i>	Dauphin Island Collection (donated)

<i>Ctenogobius boleosoma</i>	Dauphin Island Collection (donated)
Family: Haemulidae <i>Anisotremus taeniatus</i>	Dauphin Island Collection (donated)
Family: Mugilidae <i>Mugil corema</i>	Dauphin Island Collection (donated)
Family: Percidae <i>Etheostoma spectabile</i> <i>Percina caprodes</i>	Jar #1 Donated to Nature Reach Jar #1 Donated to Nature Reach
Family: Pomatomidae <i>Pomatomus saltatrix</i>	Dauphin Island Collection (donated)
Family: Sciaenidae <i>Aplodinotus grunniens</i> <i>Cynoscion nebulosus</i> <i>Larimus fasciatus</i> <i>Leiostomus xanthurus</i> <i>Menticirrhus saxatilis</i> <i>Micropogonias undulatus</i> <i>Sciaenops ocellatus</i>	Jar #1 Donated to Nature Reach Dauphin Island Collection (donated) Dauphin Island Collection (donated) Dauphin Island Collection (donated) Dauphin Island Collection (donated) Dauphin Island Collection (donated) Dauphin Island Collection (donated)
Family: Serranidae <i>Paralabrax humeralis</i> <i>Serraniculus pumilio</i>	Dauphin Island Collection (donated) Dauphin Island Collection (donated)
Family: Scombridae <i>Thunnus albacares</i>	Dauphin Island Collection (donated)
Family: Sparidae <i>Lagodon rhomboids</i>	Dauphin Island Collection (donated)
Family: Stromateidae <i>Peprilus burti</i>	Dauphin Island Collection (donated)
Family: Trichiuridae <i>Trichierus lepturus</i>	Dauphin Island Collection (donated)
Family: Uranoscopidae <i>Astroscopus y-graecum</i>	Dauphin Island Collection (donated)
Order: Pleuronectiformes Family: Cynoglossidae <i>Symphurus plagiusa</i>	Dauphin Island Collection (donated)

Family: Paralicthyidae
Citharichthys spilopterus
Parairchthys lethostigma

Dauphin Island Collection (donated)
Dauphin Island Collection (donated)

Order: Scorpaeniformes
Family: Triglidae
Prionotus scitulus
Prionotus tribulus

Dauphin Island Collection (donated)
Dauphin Island Collection (donated)

Order: Siluriformes
Family: Ariidae
Ariopsis felis

Dauphin Island Collection (donated)

Family: Ictaluridae
Amelurus natalis

Jar #1 Donated to Nature Reach

Order: Syngnathiiformes
Family: Syngnathidae
Microphis brachyurus

Dauphin Island Collection (donated)

Order: Tetraodontiformes
Family: Tetradontidae
Sphoeroides nephelus
Sphoeroides parvus

Dauphin Island Collection (donated)
Dauphin Island Collection (donated)

II. Chronological Description

Date: 3/16/08 (a)

Dauphin Island, Alabama, Spring Break Trip

Location: Docks across camp, near Ferry, Billy Goat Hole Docks

N 30° 15' 05.89

→ S 88° 04' 54.01

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	<u>#</u>
Bay Anchovy	<i>Anchoa mitchilli</i>	8
Bayou Killifish	<i>Fundulus pulvereus</i>	2
Frillfin Goby	<i>Bathygobius soporator</i>	1
Gulf Killifish	<i>Fundulus grandis</i>	1
Inland Silverside	<i>Menidia beryllina</i>	4
Mosquito fish	<i>Gambusia affinis</i>	1
Sailfin Molly	<i>Poecilia latipinna</i>	4
Sheepshead Minnow	<i>Cyprinodon variegatus</i>	2
Striped/Longnose Killifish	<i>Fundulus majalis</i>	2

Date: 3/17/08 (b)

Dauphin Island, Alabama

Location: trolling boat, Verrill, in Mobile Bay

No GPS

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Atlantic Croaker	<i>Micropogonias undulatus</i>	3
Atlantic Cutlass fish	<i>Trichiurus lepturus</i>	2
Atlantic Stingray	<i>Dasyatis sabina</i>	2
Banded Drum/Croaker	<i>Larimus fasciatus</i>	1
Bay Anchovy	<i>Anchoa mitchilli</i>	2
Bay Whiff	<i>Citharichthys spilopterus</i>	4
Bighead Searobin	<i>Prionotus tribulus</i>	2
Blackcheek Tonguefish	<i>Symphurus plagiusa</i>	3
Bluefish	<i>Pomatomus saltatrix</i>	2
Cownose Stingray	<i>Rhinoptera bonasus</i>	1
Gulf Butterfish	<i>Peprilus burti</i>	2
Hardhead Catfish	<i>Arius felis</i>	2
Least Puffer	<i>Sphoeroides parvus</i>	5
Leopard Searobin	<i>Prionotus scitulus</i>	1
Northern Kingfish	<i>Menticirrhus saxatilis</i>	2
Pygmy Sea Bass	<i>Serraniculus pumilio</i>	1
Rock Sea Bass	<i>Centropristis philadelphia</i>	3
Inshore Lizardfish	<i>Synodus foetens</i>	2
Spot, flat croaker	<i>Leistomos xanthurus</i>	3

Habitat missing on all listings
collectors missing also

Spotted Moray	<i>Gymnothorax moringa</i>	1
Southern Flounder	<i>Paralichthys paraliectys</i>	2
Southern Hake	<i>Urophycis floridana</i>	3
Striped Anchovy	<i>Anchoa hepsetus</i>	2

Date: 3/18/08 (c)

Dauphin Island, Alabama

Location: Oceanside of airport marsh

N 30° 15' 27.66

W 88° 07' 21.70

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Pin Perch (pinfish)	<i>Lagodon rhomboides</i>	4
Tidewater Silverside	<i>Menidia peninsulæ</i>	2

Date: 3/18/08 (d)

Dauphin Island, Alabama

Location: Airport marsh

N 30° 15' 27.66

W 88° 07' 21.70

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Atlantic Croaker	<i>Micropogonias undulatus</i>	1
Bayou Killifish	<i>Fundulus pulvereus</i>	1
Darter Goby	<i>Gobionellus boleosoma</i>	1
Diamond Killifish	<i>Adinia xenica</i>	1
Gulf Killifish	<i>Fundulus grandis</i>	1
Marsh Killifish	<i>Fundulus confluentus</i>	3
Pinfish Perch	<i>Lagodon rhomboides</i>	1
Sailfin Molly	<i>Poecilia latipinna</i>	3
Sheepshead Minnow	<i>Cyprinodon variegatus</i>	5
Striped/Longnose Killifish	<i>Fundulus similis</i>	1
Tidewater Silverside	<i>Menidia peninsulæ</i>	1
White Mullet	<i>Mugil aurema</i>	1

Date: 3/19/08 (e)

Dauphin Island, Alabama

Location: 3.8 miles off island on bay side

N 30° 18' 46.62

W 88° 08' 15.45

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Pinfish	<i>Lagodon rhomboides</i>	1
Skilletfish	<i>Gobiesox strumosus</i>	1
Southern Puffer	<i>Sphoeroides nephelus</i>	5
Spotted Sea Trout	<i>Cynoscion nebulosus</i>	1
Porkfish (pictured only)	<i>Anisotremus virginicus</i>	1

Date: 3/19/08 (f)

Location: Bayfront Park, off island

No GPS

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Blackedge Cusk-eel	<i>Lepophidium bredibarbe</i>	1
Red Drum	<i>Scienops ocellatus</i>	3
Southern Stargazer	<i>Astroscopus y-gracum</i>	2

Date: 3/19/08 (g)

Dauphin Island, Alabama

Location: 1.8 miles off island, Gulf side

N 30° 20' 12.30

W 88° 07' 47.91

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Yellowfin Tuna	<i>Thunnus albacores</i>	1

Date: 3/20/08 (h)

Dauphin Island, Alabama

Location: Dauphin Island Public Beach

N 30° 14' 54.17

W 88° 07' 44.25

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Juvenile Atlantic Spadefish	<i>Chaetodipterus faber</i>	2

Date: 3/20/08 (i)

Dauphin Island, Alabama

Location: Billygoat Hole Docks, North of camp

N 30° 15' 05.89

S 88° 04' 54.01

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Gulf Toadfish	<i>Opsanus beta</i>	2
Opossum Pipefish	<i>Microphis brachyurus</i>	1
larvae (eel)	<i>Leptocephalus</i>	1

Collectors for Dauphin Island Spring Break Trip: Adam Chestnut, Anna Combs, Phil Gordon, Carolyn Johnson, Dave Multhaup, Scott Purdon, Jason Shultz, Casey Weathers, Andrew Webster

Date: 4/22/08 (j)

Location: Branch Creek, 7 miles N of Pittsburg, KS, Bourbon County

N 37° 10.708

W 94° 38.984

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Creek Chub	<i>Semotilus atromaculatus</i>	1
Central Stoneroller	<i>Campostoma anomalum</i>	1
Orange Throated Darter	<i>Etheostoma spectabile</i>	2

Collectors: Jason Shultz, Andrew Webster

Location: Farlington Lake, spillway, Crawford County

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Bluegill	<i>Lepomis macrochirus</i>	1
Brook Silverside	<i>Labidesthes sicculus</i>	1
Longear Sunfish	<i>Lepomis megalotis</i>	1
Logperch	<i>Percina caprodes</i>	1

Collector: Andrew Webster

Location: Neosho Wildlife Refuge, spillway, 1 mile E of St. Paul, KS, Labette County

N 37° 29.750

W 95° 07.544

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
White Crappie	<i>Pomoxis annularis</i>	1

Collector: Andrew Webster

Date: 5/5/08 (k)

Location: Farlington Lake, spillway, Crawford County

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Bluntnose Minnow	<i>Pimephales notatus</i>	1
Freshwater Drum	<i>Aplodinotus grunniens</i>	1
Largemouth Bass	<i>Micropterus salmoides</i>	1
Orange Spotted Sunfish	<i>Lepomis humilis</i>	1
Redear Sunfish	<i>Lepomis microlophus</i>	1
Sand Shiner	<i>Notropis ludibundus</i>	2
Gizzard Shad	<i>Dorosoma cepedianum</i>	1

Collector: Andrew Webster

Date: 5-10-08 (l)

Location: Larry Phipps Pond, 5 miles S of Parsons Ks, Labbette County

N 37° 22.075

W 95° 21.098

Species Collected:

<u>Common Name</u>	<u>Species Name</u>	
Black Bullhead	<i>Ameiurus natalis</i>	1

Collector: Andrew Webster

III. State Collections

Alabama (Dauphin Island Spring Break Trip)

49 Species

Atlantic Croaker	<i>Micropogonias undulatus</i>
Atlantic Cutlass fish	<i>Trichiurus lepturus</i>
Atlantic Stingray	<i>Dasyatis sabina</i>
Banded Drum	<i>Larimus fasciatus</i>
Bay Anchovy	<i>Anchoa mitchilli</i>
Bayou Killifish	<i>Fundulus pulvereus</i>
Bay Whiff	<i>Citharichthys spilopterus</i>
Bighead Searobin	<i>Prionotus tribulus</i>
Blackedge Cusk-eel	<i>Lepophidium bredibarbe</i>
Blackcheek Tonguefish	<i>Symphurus plagiusa</i>
Bluefish	<i>Pomatomus saltatrix</i>
Cownose Stingray	<i>Rhinoptera bonasus</i>
Darter Goby	<i>Gobionellus boleosoma</i>
Diamond Killifish	<i>Adinia xenica</i>
Frillfin Goby	<i>Bathygobius soporator</i>
Gulf Butterfish	<i>Peprilus burti</i>
Gulf Killifish	<i>Fundulus grandis</i>
Gulf Toadfish	<i>Opsanus beta</i>
Hardhead Catfish	<i>Arius felis</i>
Inland Silverside	<i>Menidia beryllina</i>
Inshore Lizardfish	<i>Synodus foetens</i>
Juvenile Atlantic Spadefish	<i>Chaetodipterus faber</i>
larvae (eel)	<i>Leptocephalus</i>
Least Puffer	<i>Sphoeroides parvus</i>
Leopard Searobin	<i>Prionotus scitulus</i>
Marsh Killifish	<i>Fundulus confluentus</i>
Mosquito fish	<i>Gambusia affinis</i>
Northern Kingfish	<i>Menticirrhus saxatilis</i>
Opossum Pipefish	<i>Microphis brachyurus</i>
Pin Perch (pinfish)	<i>Lagodon rhomboides</i>
Porkfish (pictured only)	<i>Anisotremus virginicus</i>
Pygmy Sea Bass	<i>Serraniculus pumilio</i>
Red Drum	<i>Scienops ocellatus</i>
Rock Sea Bass	<i>Centropristis philadelphica</i>
Sailfin Molly	<i>Poecilia latipinna</i>
Sheepshead Minnow	<i>Cypronodon variegatus</i>
Skilletfish	<i>Gobiesox strumosus</i>
Southern Flounder	<i>Paradicthys paralicthys</i>

Southern Hake
Southern Puffer
Southern Stargazer
Spot Croaker
Spotted Sea Trout
Spotted Moray
Striped Anchovy
Striped Killifish
Tidewater Silverside
White Mullet
Yellowfin Tuna

Urophycis floridana
Sphoeroides nephelus
Astroscopus y-gracum
Leistomos xanthurus
Cynoscion nebulosus
Gymnothorax moringa
Anchoa hepsetus
Fundulus majalis
Menidia peninsulae
Mugil aurema
Thunnus albacores

Kansas

16 Species

Black Bullhead
Bluegill
Bluntnose Minnow
Brook Silverside
Central Stoneroller
Creek Chub
Freshwater Drum
Largemouth Bass
Longear Sunfish
Logperch
Orange Throated Darter
Orange Spotted Sunfish
Redear Sunfish
Sand Shiner
White Crappie
Gizzard Shad

Ameiurus natalis
Lepomis macrochirus
Pimephales notatus
Labidesthes sicculus
Campostoma anomalum
Semotilus atromaculatus
Aplodinotus grunniens
Micropterus salmoides
Lepomis megalotis
Percina caprodes
Etheostoma spectabile
Lepomis humilis
Lepomis microlophus
Notropis ludibundus
Pomoxis annularis
Dorosoma cepedianum

IV. Signature Sheets

<u>Species Name</u>	<u>Disposition</u>	<u>Verification Signature</u>
<i>Ameiurus natalis</i>	Jar #1 Donated to Nature Reach	James R. Triplett NC
<i>Anisotremus virginicus</i>	Released at Collection Site	James R. Triplett NC
<i>Campostoma anomalum</i>	Jar #1 Donated to Nature Reach	James R. Triplett NC
<i>Etheostoma spectabile</i>	Jar #1 Donated to Nature Reach	James R. Triplett NC
<i>Labidesthes sicculus</i>	Jar #1 Donated to Nature Reach	James R. Triplett NC
<i>Lepomis macrochirus</i>	Jar #1 Donated to Nature Reach	James R. Triplett NC
<i>Lepomis microlophus</i>	Jar #1 Donated to Nature Reach	James R. Triplett NC
<i>Lepomis megalotis</i>	Jar #1 Donated to Nature Reach	James R. Triplett NC
<i>Notropis ludibundus</i>	Jar #1 Donated to Nature Reach	James R. Triplett NC
<i>Percina caprodes</i>	Jar #1 Donated to Nature Reach	James R. Triplett NC
<i>Pimephales notatus</i>	Jar #1 Donated to Nature Reach	James R. Triplett NC
<i>Pomoxis annularis</i>	Jason Sholtz Jar Jar #1 Donated to Nature Reach	James R. Triplett NC
<i>Semotilus atromaculatus</i>	Jar #1 Donated to Nature Reach	James R. Triplett NC