

# **Biology 533 Ichthyology Spring 2006**

Notebook = 50 ps  
MO Trip =  $50 \times 4 = 200$   
Sapelo Island =  $15 \times 4 = 60$

Personal =  $10 \times 4 = 40$

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Partic.  $\frac{350}{10} = 360$

## **Field Notebook**

**Linda Phipps**

## Contents:

- \*Phyogenetic Listing
- \*Chronological Listing
- \*Master List of All Fish collected
- \*List of Fish By State
- \*Verification Signature Sheet
- \*Photographs
- \*Personal Collection List



|                        |               |                     |                   |                        |
|------------------------|---------------|---------------------|-------------------|------------------------|
| <b>Order</b>           |               |                     |                   |                        |
| <b>Siluriformes</b>    |               |                     |                   |                        |
|                        | <b>Family</b> | <b>Genus</b>        | <b>Species</b>    | <b>Common Name</b>     |
|                        | Ictaluridae   | <i>Noturus</i>      | <i>albater</i>    | Ozark Madtom           |
|                        | Ictaluridae   | <i>Noturus</i>      | <i>exilis</i>     | Slender Madtom         |
|                        | Ictaluridae   | <i>Ameriurus</i>    | <i>melas</i>      | Black Bullhead Catfish |
|                        | Ictaluridae   | <i>Ictalurus</i>    | <i>punctatus</i>  | Channel Catfish        |
|                        |               |                     |                   |                        |
|                        | <b>Family</b> |                     |                   |                        |
|                        | Ariidae       | <i>Ariopsis</i>     | <i>felis</i>      | Hardhead Catfish       |
|                        |               |                     |                   |                        |
|                        | <b>Family</b> |                     |                   |                        |
|                        | Sciaenidae    | <i>Leiostomus</i>   | <i>xanthurus</i>  | Spot                   |
|                        |               |                     |                   |                        |
|                        |               |                     |                   |                        |
| <b>Order</b>           |               |                     |                   |                        |
| <b>Esociformes</b>     |               |                     |                   |                        |
|                        | <b>Family</b> | <b>Genus</b>        | <b>Species</b>    | <b>Common Name</b>     |
|                        | Esocidae      | <i>Esox</i>         | <i>niger</i>      | Chain Pickerel         |
|                        |               |                     |                   |                        |
|                        |               |                     |                   |                        |
| <b>Order</b>           |               |                     |                   |                        |
| <b>Salmoniformes</b>   |               |                     |                   |                        |
|                        | <b>Family</b> | <b>Genus</b>        | <b>Species</b>    | <b>Common Name</b>     |
|                        | Salmonidae    | <i>Oncorhynchus</i> | <i>mykiss</i>     | Rainbow Trout          |
|                        |               |                     |                   |                        |
|                        |               |                     |                   |                        |
| <b>Order</b>           |               |                     |                   |                        |
| <b>Syngnathiformes</b> |               |                     |                   |                        |
|                        | <b>Family</b> | <b>Genus</b>        | <b>Species</b>    | <b>Common Name</b>     |
|                        | Syngnathidae  | <i>Syngnathus</i>   | <i>louisianae</i> | Chain Pipefish         |
|                        |               |                     |                   |                        |
|                        |               |                     |                   |                        |
|                        |               |                     |                   |                        |

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|                          |                |                    |                     |                        |
|                          |                |                    |                     |                        |
| <b>Order</b>             |                |                    |                     |                        |
| <b>Clupeiformes</b>      |                |                    |                     |                        |
|                          | <b>Family</b>  | <b>Genus</b>       | <b>Species</b>      | <b>Common Name</b>     |
|                          | Clupeidae      | <i>Dorosoma</i>    | <i>cepedianum</i>   | Gizzard Shad           |
|                          |                |                    |                     |                        |
|                          |                |                    |                     |                        |
| <b>Order</b>             |                |                    |                     |                        |
| <b>Atheriniformes</b>    |                |                    |                     |                        |
|                          | <b>Family</b>  | <b>Genus</b>       | <b>Species</b>      | <b>Common Name</b>     |
|                          | Atherinopsidae | <i>Labidesthes</i> | <i>sicculus</i>     | Brook Silverside       |
|                          |                |                    |                     |                        |
|                          |                |                    |                     |                        |
| <b>Order</b>             |                |                    |                     |                        |
| <b>Cypinodontiformes</b> |                |                    |                     |                        |
|                          | <b>Family</b>  | <b>Genus</b>       | <b>Species</b>      | <b>Common Name</b>     |
|                          | Fundulidae     | <i>Fundulus</i>    | <i>notatus</i>      | Blackstrip Topminnow   |
|                          | Fundulidae     | <i>Fundulus</i>    | <i>catenatus</i>    | Northern Studfish      |
|                          | Fundulidae     | <i>Fundulus</i>    | <i>olivaceus</i>    | Blackspotted Topminnow |
|                          | Fundulidae     | <i>Fundulus</i>    | <i>heteroclitus</i> | Mummichog              |
|                          | Fundulidae     | <i>Fundulus</i>    | <i>majalis</i>      | Striped Killifish      |
|                          |                |                    |                     |                        |
|                          | <b>Family</b>  | <b>Genus</b>       | <b>Species</b>      | <b>Common Name</b>     |
|                          | Poeciliidae    | <i>Gambusia</i>    | <i>affinis</i>      | Mosquitofish           |
|                          |                |                    |                     |                        |
|                          | <b>Family</b>  | <b>Genus</b>       | <b>Species</b>      | <b>Common Name</b>     |
|                          | Atherinidae    | <i>Menidia</i>     | <i>beryllina</i>    | Inland Silverside      |
|                          |                |                    |                     |                        |
|                          |                |                    |                     |                        |
|                          |                |                    |                     |                        |
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|--------------------------|----------------|--------------------|-----------------------|----------------------------|
| <b>Order</b>             |                |                    |                       |                            |
| <b>Batrachoidiformes</b> |                |                    |                       |                            |
|                          | <b>Family</b>  | <b>Genus</b>       | <b>Species</b>        | <b>Common Name</b>         |
|                          | Batrachoididae | <i>Opsanuss</i>    | <i>tau</i>            | Oyster Toadfish            |
|                          |                |                    |                       |                            |
| <b>Order</b>             |                |                    |                       |                            |
| <b>Perciformes</b>       |                |                    |                       |                            |
|                          | <b>Family</b>  | <b>Genus</b>       | <b>Species</b>        | <b>Common Name</b>         |
|                          | Percidae       | <i>Perciana</i>    | <i>caprodes</i>       | Logperch                   |
|                          | Percidae       | <i>Etheostoma</i>  | <i>blennioides</i>    | Greensided Darter          |
|                          | Percidae       | <i>Etheostoma</i>  | <i>chlorosoma</i>     | Bluntnose Darter           |
|                          | Percidae       | <i>Etheostoma</i>  | <i>zonale</i>         | Banded Darter              |
|                          | Percidae       | <i>Etheostoma</i>  | <i>spectabile</i>     | Orangethroat Darter        |
|                          | Percidae       | <i>Etheostoma</i>  | <i>caeruleum</i>      | Rainbow Darter             |
|                          | Percidae       | <i>Etheostoma</i>  | <i>punctulatum</i>    | Stippled Darter            |
|                          | Percidae       | <i>Etheostoma</i>  | <i>microperca</i>     | Least Darter               |
|                          | Percidae       | <i>Etheostoma</i>  | <i>cragina</i>        | Arkansas Darter            |
|                          | Percidae       | <i>Etheostoma</i>  | <i>flabellare</i>     | Fantail Darter             |
|                          | Percidae       | <i>Percina</i>     | <i>Vigil</i>          | Arkansas Saddleback Darter |
|                          |                |                    |                       |                            |
|                          | <b>Family</b>  | <b>Genus</b>       | <b>Species</b>        | <b>Common Name</b>         |
|                          | Centrarchidae  | <i>Micropterus</i> | <i>punctulatus</i>    | Spotted Bass               |
|                          | Centrarchidae  | <i>Lepomis</i>     | <i>macrochine</i>     | Bluegill                   |
|                          | Centrarchidae  | <i>Lepomis</i>     | <i>megalois</i>       | Longear Sunfish            |
|                          | Centrarchidae  | <i>Ambloplites</i> | <i>ariommus</i>       | Shadow Bass                |
|                          | Centrarchidae  | <i>Lepomis</i>     | <i>marginatus</i>     | Dollar Sunfish             |
|                          | Centrarchidae  | <i>Ambloplites</i> | <i>constellatus</i>   | Ozark Bass                 |
|                          | Centrarchidae  | <i>Lepomis</i>     | <i>cyanellus</i>      | Green Sunfish              |
|                          | Centrarchidae  | <i>Micropterus</i> | <i>Salmoides</i>      | Largemouth Bass            |
|                          | Centrarchidae  | <i>Pomoxis</i>     | <i>nigromaculatus</i> | Black Crappie              |
|                          | Centrarchidae  | <i>Pomoxis</i>     | <i>annularis</i>      | White Crappie              |
|                          |                |                    |                       |                            |
|                          |                |                    |                       |                            |

|                        |               |                      |                         |                    |
|------------------------|---------------|----------------------|-------------------------|--------------------|
|                        |               |                      |                         |                    |
|                        | <b>Family</b> | <b>Genus</b>         | <b>Species</b>          | <b>Common Name</b> |
|                        | Moronidae     | <i>Morone</i>        | <i>Chrysoms</i>         | White Bass         |
|                        | Moronidae     | <i>Morone</i>        | <i>Saxatilis</i>        | Striped Bass       |
|                        | Moronidae     | <i>Lepomis</i>       | <i>microlophus</i>      | Redear Sunfish     |
|                        |               |                      |                         |                    |
|                        |               |                      |                         |                    |
|                        |               |                      |                         |                    |
|                        | <b>Family</b> | <b>Genus</b>         | <b>Species</b>          | <b>Common Name</b> |
|                        | Scombridae    | <i>Auxis</i>         | <i>thazard</i>          | Frigate Mackerel   |
|                        | Scombridae    | <i>Scomberomorus</i> | <i>Maculatus</i>        | Spanish Mackerel   |
|                        |               |                      |                         |                    |
|                        |               |                      |                         |                    |
|                        | <b>Family</b> | <b>Genus</b>         | <b>Species</b>          | <b>Common Name</b> |
|                        | Carangidae    | <i>Tracinatus</i>    | <i>carolinus</i>        | Florida Pompano    |
|                        | Carangidae    | <i>Tracinatus</i>    | <i>falcatus</i>         | Permet             |
|                        | Carangidea    | <i>Selar</i>         | <i>crumenophthalmus</i> | Bigeye Scad        |
|                        |               |                      |                         |                    |
|                        | <b>Family</b> | <b>Genus</b>         | <b>Species</b>          | <b>Common Name</b> |
|                        | Sciaenidae    | <i>Bairdiella</i>    | <i>chrysoura</i>        | Silver Perch       |
|                        | Sciaenidae    | <i>Micropogonias</i> | <i>undulatus</i>        | Atlantic Croaker   |
|                        |               |                      |                         |                    |
|                        | <b>Family</b> | <b>Genus</b>         | <b>Species</b>          | <b>Common Name</b> |
|                        | Sparidae      | <i>Lagodon</i>       | <i>rhomboides</i>       | Pinfish            |
|                        |               |                      |                         |                    |
|                        |               |                      |                         |                    |
| <b>Order</b>           |               |                      |                         |                    |
| <b>Scorpaeniformes</b> |               |                      |                         |                    |
|                        | <b>Family</b> | <b>Genus</b>         | <b>Species</b>          | <b>Common Name</b> |
|                        | Cottidae      | <i>Cottus</i>        | <i>Carolinae</i>        | Banded Sculpin     |
|                        | Cottidae      | <i>Cottus</i>        | <i>hespselurus</i>      | Ozark Sculpin      |
|                        |               |                      |                         |                    |
|                        |               |                      |                         |                    |
|                        |               |                      |                         |                    |
|                        |               |                      |                         |                    |

| <b>Chronological Listing</b>          | <b>Genus</b>       | <b>species</b>     | <b>subspecies</b> | <b>Common Name</b>    | <b>****#</b> | <b>Collection Location</b> |
|---------------------------------------|--------------------|--------------------|-------------------|-----------------------|--------------|----------------------------|
| <b>Trip Location &amp; Collectors</b> |                    |                    |                   |                       |              |                            |
| <b>Schermerhorn Park/Galena, KS</b>   |                    |                    |                   |                       |              |                            |
| Shoal Creek                           |                    |                    |                   |                       |              |                            |
| N 37° 02'29" W98° 38'34"              |                    |                    |                   |                       |              |                            |
| 4/16/06                               |                    |                    |                   |                       |              |                            |
| Collectors:                           | <i>Lepomis</i>     | <i>cardinalis</i>  |                   | Cardinal Shiner       | 8            | Donated to Nature Reach    |
| Travis Robb, Sally Tucker,            | <i>Percina</i>     | <i>caprodes</i>    |                   | Loggerhead            | 1            | Donated to Nature Reach    |
| Gabe Anderson, Chris Tucker and       | <i>Micropterus</i> | <i>punctulatus</i> |                   | Spotted Bass          | 1            | released/verified          |
| Linda Phipps                          | <i>Labidesthes</i> | <i>sicculus</i>    |                   | Brook Silverside      | 1            | Donated to Nature Reach    |
|                                       | <i>Notropis</i>    | <i>rubellus</i>    |                   | Rosyface Shinner      | 7            | Donated to Nature Reach    |
|                                       | <i>Campostoma</i>  | <i>anomalum</i>    |                   | Central Stoneroller   | 1            | Donated to Nature Reach    |
|                                       | <i>Gambusia</i>    | <i>affinis</i>     |                   | Misquitofish          | 1            | Donated to Nature Reach    |
|                                       | <i>Fundulus</i>    | <i>notatus</i>     |                   | Blackstripe Topminnow | 2            | Donated to Nature Reach    |
|                                       | <i>Etheostoma</i>  | <i>blennioides</i> |                   | Greenside Darter      | 1            | released/verified-SINC     |
|                                       | <i>Etheostoma</i>  | <i>chlorosomum</i> |                   | Bluntnose Darter      | 1            | released/verified-SINC     |
|                                       | <i>Etheostoma</i>  | <i>zonale</i>      |                   | Banded Darter         | 1            | released/verified-SINC     |
|                                       | <i>Lepomis</i>     | <i>macrochirus</i> |                   | Bluegill              | 1            | Donated to Nature Reach    |
|                                       | <i>Lepomis</i>     | <i>megalotis</i>   |                   | Longear Sunfish       | 1            | Donated to Nature Reach    |
|                                       | <i>Cyprenella</i>  | <i>lutensis</i>    |                   | Red Shiner            | 4            | Donated to Nature Reach    |
| <b>Grand Lake/near Grove, OK</b>      |                    |                    |                   |                       |              |                            |
| Cowskin Area                          |                    |                    |                   |                       |              |                            |
| N 36° 45'34.82" W 94° 44'45.24"       |                    |                    |                   |                       |              |                            |
| 4/16/06                               |                    |                    |                   |                       |              |                            |
| Collectors:                           | <i>Lepomis</i>     | <i>macrochirus</i> |                   | Bluegill *            | 1            | deceased/picture           |
| Linda Phipps                          | <i>Morone</i>      | <i>saxatilis</i>   |                   | Striped Bass          | 1            | deceased/picture           |
|                                       | <i>Lepomis</i>     | <i>cyaneus</i>     |                   | Green Trout           | 1            | deceased/picture           |
| <b>N.W. of Arma, KS</b>               |                    |                    |                   |                       |              |                            |
| Bone Creek                            |                    |                    |                   |                       |              |                            |
| N 37° 37'06.12" W94° 44'45.24"        |                    |                    |                   |                       |              |                            |
| 4/17/06                               |                    |                    |                   |                       |              |                            |
| Collectors:                           | <i>Micropterus</i> | <i>salmonides</i>  |                   | Largemouth Bass       | 1            | deceased/picture           |
| Linda Phipps                          | <i>Pomoxis</i>     | <i>maculatus</i>   |                   | Black Crappie         | 1            | deceased/picture           |
|                                       |                    |                    |                   |                       |              |                            |
|                                       |                    |                    |                   |                       |              |                            |



|                                 |                     |                    |  |                        |   |                         |
|---------------------------------|---------------------|--------------------|--|------------------------|---|-------------------------|
| <b>N. of Hallowell, KS</b>      |                     |                    |  |                        |   |                         |
| Strip Pit                       |                     |                    |  |                        |   |                         |
| N 37° 14'26.78" W 94° 59'05.35" |                     |                    |  |                        |   |                         |
| 4/17/06                         |                     |                    |  |                        |   |                         |
| Collectors:                     | <i>Oncorhynchus</i> | <i>mykiss</i>      |  | Rainbow Trout          | 1 | <i>deceased/picture</i> |
| Linda Phipps                    |                     |                    |  |                        |   |                         |
| <b>Missouri Trip</b>            |                     |                    |  |                        |   |                         |
| Current River                   |                     |                    |  |                        |   |                         |
| N 36° 59'29.28" W 91° 00'56.15" |                     |                    |  |                        |   |                         |
| 5/6/06                          |                     |                    |  |                        |   |                         |
| Collectors:                     | <i>Notemigonus</i>  | <i>cyrsoleucas</i> |  | Golden Shiner          | 1 | Donated to Nature Reach |
| Ichthyology Class**             | <i>Fundulus</i>     | <i>catenatus</i>   |  | Northern Studfish      | 2 | Donated to Nature Reach |
|                                 | <i>Hypetelium</i>   | <i>nigricanus</i>  |  | Northern Hogsucker     | 1 | Donated to Nature Reach |
|                                 | <i>Esox</i>         | <i>niger</i>       |  | Chain Pickerel         | 2 | Donated to Nature Reach |
|                                 | <i>Notropis</i>     | <i>Telescopus</i>  |  | Telescope Shiner       | 3 | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>   | <i>blennioides</i> |  | Greenside Darter *     | 1 | Donated to Nature Reach |
|                                 | <i>Micropterus</i>  | <i>punctulatus</i> |  | Spotted Bass *         | 1 | Donated to Nature Reach |
|                                 | <i>Cottus</i>       | <i>carolinae</i>   |  | Banded Sculpin         | 3 | Donated to Nature Reach |
|                                 | <i>Cottus</i>       | <i>hypsaelurus</i> |  | Ozark Sculpin          | 1 | Donated to Nature Reach |
|                                 | <i>Gambusia</i>     | <i>affinis</i>     |  | Misquitofish *         | 1 | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>   | <i>spectabile</i>  |  | Orange Throat Darter   | 5 | Donated to Nature Reach |
|                                 | <i>Notropis</i>     | <i>Rubellus</i>    |  | Rosyface Shiner *      | 2 | Donated to Nature Reach |
|                                 | <i>Ambloplites</i>  | <i>rupestris</i>   |  | Shadow Bass            | 2 | Donated to Nature Reach |
|                                 | <i>Notropis</i>     | <i>zonatus</i>     |  | Bleeding Shiner        | 4 | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>   | <i>zonale</i>      |  | Banded Darter *        | 1 | Donated to Nature Reach |
|                                 | <i>Campostoma</i>   | <i>oligolepis</i>  |  | Largescale Stoneroller | 2 | Donated to Nature Reach |
|                                 | <i>Pimephales</i>   | <i>notatus</i>     |  | Bluntnose Minnow       | 4 | Donated to Nature Reach |

|                                    |                     |                      |  |                          |    |                         |
|------------------------------------|---------------------|----------------------|--|--------------------------|----|-------------------------|
| <b>Missouri Trip</b>               |                     |                      |  |                          |    |                         |
| Black River                        |                     |                      |  |                          |    |                         |
| N 37° 04'44.47" W 90° 42'52.52.10" |                     |                      |  |                          |    |                         |
| 5/6/06                             |                     |                      |  |                          |    |                         |
| Collectors:                        | <i>Pimepnales</i>   | <i>notatus</i>       |  | Bluntnose Minnow *       | 4  | Donated to Nature Reach |
| Ichthyology Class**                | <i>Labidesthes</i>  | <i>sicculus</i>      |  | Brooks Silverside *      | 1  | Donated to Nature Reach |
|                                    | <i>Micropterus</i>  | <i>punctulatus</i>   |  | Spotted Bass *           | 2  | Donated to Nature Reach |
|                                    | <i>Dorosoma</i>     | <i>cepedianum</i>    |  | Gizzard Shad             | 1  | Donated to Nature Reach |
|                                    | <i>Phoninus</i>     | <i>erythrogaster</i> |  | Southern Red Belly Dace  | 3  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>boops</i>         |  | Bigeye Shiner            | 14 | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>rubellus</i>      |  | Rosyface Shiner *        | 2  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>nubilus</i>       |  | Ozark Minnow             | 3  | Donated to Nature Reach |
|                                    | <i>Nocomis</i>      | <i>biguttatus</i>    |  | Hornyhead Chub           | 5  | Donated to Nature Reach |
|                                    | <i>Cypinella</i>    | <i>galacturus</i>    |  | Whitetail Shiner         | 6  | Donated to Nature Reach |
|                                    | <i>Fundulus</i>     | <i>notatus</i>       |  | Blackstripe Top Minnow*  | 3  | Donated to Nature Reach |
|                                    | <i>Esox</i>         | <i>niger</i>         |  | Chain Pickerel *         | 2  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>Venustus</i>      |  | Blacktail Shiner         | 2  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>zonatus</i>       |  | Bleeding Shiner *        | 1  | Donated to Nature Reach |
|                                    | <i>Lepomis</i>      | <i>marcochirus</i>   |  | Bluegill *               | 2  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>chysocephalus</i> |  | Striped Shiner           | 1  | Donated to Nature Reach |
|                                    | <i>Lepomis</i>      | <i>marginatus</i>    |  | Dollar Sunfish           | 1  | Donated to Nature Reach |
| <b>Missouri Trip</b>               |                     |                      |  |                          |    |                         |
| North Fork - White River           |                     |                      |  |                          |    |                         |
| N 36° 42'05.23" W 92° 11'28.88"    |                     |                      |  |                          |    |                         |
| 5/7/06                             |                     |                      |  |                          |    |                         |
| Collectors:                        | <i>Phoxinus</i>     | <i>erythrogaster</i> |  | Southern Red Belly Dace* | 4  | Donated to Nature Reach |
| Ichthyology Class**                | <i>Etheostoma</i>   | <i>caeruleum</i>     |  | Rainbow Darter           | 11 | Donated to Nature Reach |
|                                    | <i>Oncorhynchus</i> | <i>mykiss</i>        |  | Rainbow Trout *          | 1  | Donated to Nature Reach |
|                                    | <i>Cottus</i>       | <i>Hypselurus</i>    |  | Ozark Sculpin *          | 1  | Donated to Nature Reach |
|                                    | <i>Cottus</i>       | <i>carolinae</i>     |  | Banded Sculpin *         | 2  | Donated to Nature Reach |
|                                    | <i>Camptostoma</i>  | <i>oligolepis</i>    |  | Largescale Stoneroller * | 1  | Donated to Nature Reach |
|                                    | <i>Fundulus</i>     | <i>catenatus</i>     |  | Northern Studfish *      | 1  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>pilsbryi</i>      |  | Duskystrip Shiner        | 7  | Donated to Nature Reach |
|                                    | <i>Ambloplites</i>  | <i>constellatus</i>  |  | Ozark Bass               | 3  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>rubellus</i>      |  | Rosyface Shiner *        | 2  | Donated to Nature Reach |
|                                    |                     |                      |  |                          |    |                         |

|                                 |                    |                       |  |                            |    |                         |
|---------------------------------|--------------------|-----------------------|--|----------------------------|----|-------------------------|
| <b>Missouri Trip</b>            |                    |                       |  |                            |    |                         |
| Kissee Mills - Beaver Creek     |                    |                       |  |                            |    |                         |
| N 36° 40'18.81" W 93° 01'15.11" |                    |                       |  |                            |    |                         |
| 5/7/06                          |                    |                       |  |                            |    |                         |
| Collectors:                     | <i>Percina</i>     | <i>euzonum</i>        |  | Arkansas Saddleback Darter | 1  | Donated to Nature Reach |
| Ichthyology Class**             | <i>Moxostoma</i>   | <i>anisurum</i>       |  | Silver redhorse            | 4  | Donated to Nature Reach |
|                                 | <i>Percina</i>     | <i>caprodes</i>       |  | Loggerhead * *             | 2  | Donated to Nature Reach |
|                                 | <i>Noturus</i>     | <i>albater</i>        |  | Ozark Madtom               | 1  | Donated to Nature Reach |
|                                 | <i>Hypentelium</i> | <i>nigricans</i>      |  | Northern Hogsucker *       | 2  | Donated to Nature Reach |
|                                 | <i>Notropis</i>    | <i>rubellus</i>       |  | Rosyface Shiner *          | 3  | Donated to Nature Reach |
|                                 | <i>Campostoma</i>  | <i>aomalum</i>        |  | Central Stoneroller *      | 1  | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>  | <i>caeruleum</i>      |  | Rainbow Darter *           | 8  | Donated to Nature Reach |
|                                 | <i>Erimystax</i>   | <i>harryi</i>         |  | Ozark Chub                 | 1  | Donated to Nature Reach |
|                                 | <i>Labidesthes</i> | <i>sicculus</i>       |  | Brooks Silverside *        | 3  | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>  | <i>spectabile</i>     |  | Orangethroat Darter *      | 1  | Donated to Nature Reach |
|                                 | <i>Lepomis</i>     | <i>marcochirus</i>    |  | Bluegill *                 | 1  | Donated to Nature Reach |
|                                 | <i>Semotilus</i>   | <i>astromaculatus</i> |  | Creek Chub                 | 1  | Donated to Nature Reach |
|                                 | <i>Notropis</i>    | <i>nubilus</i>        |  | Ozark Minnow *             | 10 | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>  | <i>spectabile</i>     |  | Orange Throat Darter *     | 1  | Donated to Nature Reach |
|                                 | <i>Lepomis</i>     | <i>megalotis</i>      |  | Longear Sunfish *          | 1  | Donated to Nature Reach |
|                                 | <i>Notropis</i>    | <i>greeniei</i>       |  | Wedgespot Shiner           | 6  | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>  | <i>blennioides</i>    |  | Greenside Darter *         | 3  | Donated to Nature Reach |
|                                 | <i>Fundulus</i>    | <i>catenatus</i>      |  | Northern Studfish *        | 1  | Donated to Nature Reach |
|                                 | <i>Phoxinus</i>    | <i>erythrogaster</i>  |  | Southern Red Belly Dace*   | 2  | Donated to Nature Reach |
| <b>Missouri Trip</b>            |                    |                       |  |                            |    |                         |
| James River                     |                    |                       |  |                            |    |                         |
| N 36° 48'31.42" W 93° 27'47.10" |                    |                       |  |                            |    |                         |
| 5/7/06                          |                    |                       |  |                            |    |                         |
| Collectors:                     | <i>Fundulus</i>    | <i>olivaceus</i>      |  | Blackspotted Topminnow     | 3  | Donated to Nature Reach |
| Ichthyology Class**             | <i>Pimephales</i>  | <i>notatus</i>        |  | Bluntnose Minnow *         | 5  | Donated to Nature Reach |
|                                 | <i>Fundulus</i>    | <i>catenatus</i>      |  | Northern Studfish *        | 2  | Donated to Nature Reach |
|                                 | <i>Campostoma</i>  | <i>anomalum</i>       |  | Central Stoneroller *      | 2  | Donated to Nature Reach |
|                                 | <i>Gambusia</i>    | <i>affinis</i>        |  | Misquitosfish *            | 2  | Donated to Nature Reach |
|                                 |                    |                       |  |                            |    |                         |
|                                 |                    |                       |  |                            |    |                         |
|                                 |                    |                       |  |                            |    |                         |

|                                 |                           |                             |  |                          |              |                                    |
|---------------------------------|---------------------------|-----------------------------|--|--------------------------|--------------|------------------------------------|
| <b>Missouri Trip</b>            |                           |                             |  |                          |              |                                    |
| Center Creek                    |                           |                             |  |                          |              |                                    |
| N 37° 04'17.97" W 94° 06'36.19" |                           |                             |  |                          |              |                                    |
| 5-7-06                          |                           |                             |  |                          |              |                                    |
| Collectors:                     | <i>Etheostoma</i>         | <i>punctulatum</i>          |  | Stippled Darter          | 1            | Donated to Nature Reach            |
| Ichthyology Class**             | <i>Etheostoma</i>         | <i>cragini</i>              |  | Arkansas Darter          | 3            | Donated to Nature Reach            |
|                                 | <i>Luxilus</i>            | <i>cardinalis</i>           |  | Cardinal Shiner *        | 2            | Donated to Nature Reach            |
|                                 | <i>Percina</i>            | <i>caprodes</i>             |  | Log Perch *              | 1            | Donated to Nature Reach            |
|                                 | <i>Etheostoma</i>         | <i>microperca</i>           |  | Least Darter             | 2            | Donated to Nature Reach            |
|                                 | <i>Noturus</i>            | <i>exilis</i>               |  | Slender Madtom           | 1            | Donated to Nature Reach            |
|                                 | <i>Etheostoma</i>         | <i>flabellare</i>           |  | Fantail Darter           | 2            | Donated to Nature Reach            |
|                                 | <i>Phoxinus</i>           | <i>erythrogaster</i>        |  | Southern Red Belly Dace* | 2            | Donated to Nature Reach            |
|                                 | <i>Campostoma</i>         | <i>anomalum</i>             |  | Central Stoneroller *    | 1            | Donated to Nature Reach            |
|                                 | <i>Etheostoma</i>         | <i>blennioides</i>          |  | Greensided Darter *      | 1            | Donated to Nature Reach            |
| -1                              | <del><i>Lepomis</i></del> | <del><i>cyanellus</i></del> |  | <del>Green Sunfish</del> | <del>2</del> | <del>Donated to Nature Reach</del> |
| <b>Near Riverton, KS</b>        |                           |                             |  |                          |              |                                    |
| Spring River                    |                           |                             |  |                          |              |                                    |
| N 37° 04'37.81" W 94° 41'30.62" |                           |                             |  |                          |              |                                    |
| 5/9/06                          |                           |                             |  |                          |              |                                    |
| Collectors:                     | <i>Morone</i>             | <i>chrysops</i>             |  | White Bass               | 1            | deceased/picture                   |
| Linda                           | <i>Ameriurus</i>          | <i>melas</i>                |  | Black Bullhead Catfish   | 1            | deceased/picture                   |
|                                 | <i>Ictalurus</i>          | <i>punctatus</i>            |  | Channel Catfish          | 1            | deceased/picture                   |
| <b>Thayer, KS</b>               |                           |                             |  |                          |              |                                    |
| Thayer City Lake                |                           |                             |  |                          |              |                                    |
| T295,R17E Section 31            |                           |                             |  |                          |              |                                    |
| 5/11/06                         |                           |                             |  |                          |              |                                    |
| Collector:                      | <i>Lepomis</i>            | <i>microlophus</i>          |  | Redear Sunfish           | 1            | Personal Collection - PSU          |
| Linda Phipps                    |                           |                             |  |                          |              |                                    |
| <b>Parsons, KS</b>              |                           |                             |  |                          |              |                                    |
| Parson City Lake                |                           |                             |  |                          |              |                                    |
| T30S, R12E Section 6            |                           |                             |  |                          |              |                                    |
| 5/15/06                         |                           |                             |  |                          |              |                                    |
| Collector:                      | <i>Pomoxis</i>            | <i>annularis</i>            |  | White Crappie            | 1            | Personal Collection - PSU          |
| Linda Phipps                    |                           |                             |  |                          |              |                                    |

|                                     |  |  |  |               |                  |  |                   |                            |
|-------------------------------------|--|--|--|---------------|------------------|--|-------------------|----------------------------|
| <b>Sapelo Island, Georgia</b>       |  |  |  |               |                  |  |                   |                            |
| SI-07                               |  |  |  |               |                  |  |                   |                            |
| N 31° 477' W 81° 241'               |  |  |  |               |                  |  |                   |                            |
| 7/10/07                             |  |  |  |               |                  |  |                   |                            |
|                                     |  |  |  | Auxis         | thazard          |  | Frigate Mackerel  | 1 Donated to Nature Reach  |
| Collectors:                         |  |  |  | Trachinotus   | carolinus        |  | Florida Pompano   | 4 Donated to Nature Reach  |
|                                     |  |  |  | Menidia       | beryllina        |  | Inland Silverside | 14 Donated to Nature Reach |
| Sapelo Island PSU Group***          |  |  |  | Fundulus      | majalis          |  | Striped Killifish | 3 Donated to Nature Reach  |
|                                     |  |  |  | Trachinotus   | falchatus        |  | Permet            | 3 Donated to Nature Reach  |
|                                     |  |  |  | Bairdiella    | chrysoura        |  | Silver Perch      | 1 Donated to Nature Reach  |
|                                     |  |  |  |               |                  |  |                   |                            |
| SI-07 " " 7/12/07                   |  |  |  |               |                  |  |                   |                            |
|                                     |  |  |  | Fundulus      | heteroclitus     |  | Mummichog         | 1 Donated to Nature Reach  |
| SI-07 " " 7/14/07                   |  |  |  |               |                  |  |                   |                            |
| SI-07 " " 7/14/07                   |  |  |  | Scomberomorus | maculatus        |  | Spanish Mackerel  | 1 Donated to Nature Reach  |
|                                     |  |  |  | Selar         | crumenophthalmas |  | Bigeye Scad       | 3 Donated to Nature Reach  |
| SI-07 " " 7/16/07                   |  |  |  |               |                  |  |                   |                            |
|                                     |  |  |  | Leiostomus    | xanthurus        |  | Spot              | 3 Donated to Nature Reach  |
| <b>Sapelo Island, Georgia</b>       |  |  |  |               |                  |  |                   |                            |
| <b>Blackbeard Creek/Tidal Creek</b> |  |  |  |               |                  |  |                   |                            |
| SI-07 " " 7/16/07                   |  |  |  |               |                  |  |                   |                            |
| SI-07 " " 7/16/07                   |  |  |  | Lagodon       | rhomboides       |  | Pinfish           | 1 Donated to Nature Reach  |
| SI-07 " " 7/16/07                   |  |  |  | Micropogonias | undulatus        |  | Atlantic Croaker  | 1 Donated to Nature Reach  |
| SI-07 " " 7/10/07                   |  |  |  | Opsanus       | tau              |  | Oystertoadfish    | 1 Donated to Nature Reach  |
| SI-07 " " 7/10/07                   |  |  |  | Syngnathus    | louisianae       |  | Chain Pipefish    | 3 Donated to Nature Reach  |
|                                     |  |  |  | Hardhead      | felis            |  | Hardhead Catfish  | 1 released/photo           |
|                                     |  |  |  |               |                  |  |                   |                            |

[illegible]

## Master List

|           |                         |                                   |
|-----------|-------------------------|-----------------------------------|
| 4/16/2006 | Cardinal Shiner         | <i>Luxilus cardinalis</i>         |
| 4/16/2006 | Logperch                | <i>Percina caprodes</i>           |
| 4/16/2006 | Spotted Bass            | <i>Micropterus punctulatus</i>    |
| 4/16/2006 | Brook Silverside        | <i>Labidesthes sicculus</i>       |
| 4/16/2006 | Rosyface Shiner         | <i>Notropis rubellus</i>          |
| 4/16/2006 | Central Stoneroller     | <i>Campostoma anomalum</i>        |
| 4/16/2006 | Misquitofish            | <i>Gambusia affinis</i>           |
| 4/16/2006 | Blackstripe Topminnow   | <i>Fundulus notatus</i>           |
| 4/16/2006 | Greenside Darter        | <i>Etheostoma bleioides</i>       |
| 4/16/2006 | Bluntnose Darter        | <i>Etheostoma chlorosomum</i>     |
| 4/16/2006 | Banded Darter           | <i>Etheostoma zonale</i>          |
| 4/16/2006 | Bluegill                | <i>Lepomis macrochirus</i>        |
| 4/16/2006 | Longear Sunfish         | <i>Lepomis megalotis</i>          |
| 4/16/2006 | Red Shiner              | <i>Cyprenella lutrensis</i>       |
| 5/6/2006  | Golden Shiner           | <i>Notemigonus crysoleucas</i>    |
| 5/6/2006  | Northern Studfish       | <i>Fundulus catenatus</i>         |
| 5/6/2006  | Northern Hogsucker      | <i>Hypentelium nigricans</i>      |
| 5/6/2006  | Chain Pickerel          | <i>Esox niger</i>                 |
| 5/6/2006  | Telescope               | <i>Shiner Notropis telescopus</i> |
| 5/6/2006  | Banded Sculpin          | <i>Cottus carolinae</i>           |
| 5/6/2006  | Ozark Sculpin           | <i>Cottus hypselunus</i>          |
| 5/6/2006  | Orange Throat Darter    | <i>Etheostoma spectabile</i>      |
| 5/6/2006  | Shadow Bass             | <i>Ambloplites rupestris</i>      |
| 5/6/2006  | Bleeding Shiner         | <i>Notropis zonatus</i>           |
| 5/6/2006  | Largescale Stoneroller  | <i>Campostoma oligolepis</i>      |
| 5/6/2006  | Bluntnose Minnow        | <i>Pimephales notatus</i>         |
| 5/6/2006  | Gizzard Shad            | <i>Dorosoma cepedianum</i>        |
| 5/6/2006  | Southern Red Belly Dace | <i>Phoxinus erythrogaster</i>     |
| 5/6/2006  | Big Eye Shiner          | <i>Notropis boops</i>             |
| 5/6/2006  | Ozark Minnow            | <i>Notropis nubilus</i>           |
| 5/6/2006  | Hornyhead Chub          | <i>Nocomis biguttatus</i>         |
| 5/6/2006  | Whitetail Shiner        | <i>Notropis galacturus</i>        |
| 5/6/2006  | Blacktail Shiner        | <i>Notropis venustus</i>          |

|           |                            |                                 |
|-----------|----------------------------|---------------------------------|
| 5/6/2006  | Striped Shiner             | <i>Notropis chyocephalus</i>    |
| 5/6/2006  | Dollar Sunfish             | <i>Lepomis marginatus</i>       |
| 5/7/2006  | Rainbow Darter             | <i>Etheostoma caeruleum</i>     |
| 5/7/2006  | Rainbow Trout              | <i>Oncorhynchus mykiss</i>      |
| 5/7/2006  | Duskystrip Shiner          | <i>Notropis pilsbryi</i>        |
| 5/7/2006  | Ozark Bass                 | <i>Ambloplites constellatus</i> |
| 5/7/2006  | Arkansas Saddleback Darter | <i>Etheostoma euzonum</i>       |
| 5/7/2006  | Silver redhorse            | <i>Moxostoma anisurum</i>       |
| 5/7/2006  | Ozark Madtom               | <i>Noturus albater</i>          |
| 5/7/2006  | Ozark Chub                 | <i>Erimystax harrisi</i>        |
| 5/7/2006  | Creek Chub                 | <i>Semotilus atromaculatus</i>  |
| 5/7/2006  | Wedgespot Shiner           | <i>Notropis greeniei</i>        |
| 5/7/2006  | Blackspotted Topminnow     | <i>Fundulus olivaceus</i>       |
| 5/7/2006  | Stippled Darter            | <i>Etheostoma punctulatum</i>   |
| 5/7/2006  | Arkansas Darter            | <i>Etheostoma cragini</i>       |
| 5/7/2006  | Least Darter               | <i>Etheostoma microperca</i>    |
| 5/7/2006  | Slender Madtom             | <i>Noturus exilis</i>           |
| 5/7/2006  | Faintail Darter            | <i>Etheostoma flabellare</i>    |
| 5/7/2006  | Green Sunfish              | <i>Lepomis cyanellus</i>        |
| 5/9/2006  | White Bass                 | <i>Morone chrysops</i>          |
| 5/9/2006  | Black Bullhead Catfish     | <i>Ameiurus melas</i>           |
| 5/9/2006  | Channel Catfish            | <i>Ictalurus punctatus</i>      |
| 4/17/2006 | Largemouth Bass            | <i>Micropterus salmonides</i>   |
| 4/17/2006 | Black Crappie              | <i>Pomoxis nigromaculatus</i>   |
| 4/16/2006 | Striped Bass               | <i>Morone saxatilis</i>         |
| 5/15/2006 | White Crappie              | <i>Pomoxis annularis</i>        |
| 5/11/2006 | Redear Sunfish             | <i>Lepomis microlophus</i>      |
| 7/10/2007 | Permit                     | <i>Trachinotus falcatus</i>     |
| 7/10/2007 | Silver Perch               | <i>Bairdiella chrysoura</i>     |
| 7/14/2007 | Spanish Mackerel           | <i>Scomberomorus maculatus</i>  |
| 7/14/2007 | Bigeye Scad                | <i>Selar crumenophthalmus</i>   |
| 7/16/2007 | Pinfish                    | <i>Lagodon rhomboides</i>       |
| 7/12/2007 | Mummichog                  | <i>Fundulus heteroclitus</i>    |
| 7/10/2007 | Frigate Mackerel           | <i>Auxis thazard</i>            |
| 7/10/2007 | Florida Pompano            | <i>Trachinotus carolinus</i>    |
| 7/10/2007 | Inland Silverside          | <i>Menidia beryllina</i>        |
| 7/10/2007 | Chain Pipefish             | <i>Syngnathus louisianae</i>    |



[illegible]

[illegible]

[illegible]

|          |  |                            |  |                                 |  |  |  |
|----------|--|----------------------------|--|---------------------------------|--|--|--|
| 5/7/2006 |  | Rainbow Darter             |  | <i>Etheostoma caeruleum</i>     |  |  |  |
| 5/7/2006 |  | Rainbow Trout              |  | <i>Oncorhynchus mykiss</i>      |  |  |  |
| 5/7/2006 |  | Duskystrip Shiner          |  | <i>Notropis pilsbryi</i>        |  |  |  |
| 5/7/2006 |  | Ozark Bass                 |  | <i>Ambloplites constellatus</i> |  |  |  |
| 5/7/2006 |  | Arkansas Saddleback Darter |  | <i>Percina euzonum</i>          |  |  |  |
| 5/7/2006 |  | Logperch                   |  | <i>Percina caprodes</i>         |  |  |  |
| 5/7/2006 |  | Silver Redhorse            |  | <i>Moxostoma anisurum</i>       |  |  |  |
| 5/7/2006 |  | Ozark Madtom               |  | <i>Noturus albater</i>          |  |  |  |
| 5/7/2006 |  | Central Stonroller         |  | <i>Cmpostoma anomalum</i>       |  |  |  |
| 5/7/2006 |  | Ozark Chub                 |  | <i>Erimystax harryl</i>         |  |  |  |
| 5/7/2006 |  | Creek Chub                 |  | <i>Semotilus atromaculatus</i>  |  |  |  |
| 5/7/2006 |  | Longear Sunfish            |  | <i>Lepomis megalotis</i>        |  |  |  |
| 5/7/2006 |  | Wedgespot Shiner           |  | <i>Notropis greenel</i>         |  |  |  |
| 5/7/2006 |  | Blackspotted Topminnow     |  | <i>Fundulus olivaceus</i>       |  |  |  |
| 5/7/2006 |  | Stippled Darter            |  | <i>Etheostoma punctulatum</i>   |  |  |  |
| 5/7/2006 |  | Arkansas Darter            |  | <i>Etheostoma cragini</i>       |  |  |  |
| 5/7/2006 |  | Cardinal Shiner            |  | <i>Luxilus cardinalis</i>       |  |  |  |
| 5/7/2006 |  | Least Darter               |  | <i>Etheostoma microperca</i>    |  |  |  |
| 5/7/2006 |  | Slender Madtom             |  | <i>Noturus exilis</i>           |  |  |  |
| 5/7/2006 |  | Fantail Darter             |  | <i>Etheostoma flabellare</i>    |  |  |  |
| 5/7/2006 |  | Green Sunfish              |  | <i>Lepomis cyanellus</i>        |  |  |  |
|          |  |                            |  |                                 |  |  |  |

## Oklahoma

|           |  |               |  |                            |  |  |  |
|-----------|--|---------------|--|----------------------------|--|--|--|
| 4/16/2006 |  | Bluegill      |  | <i>Lepomis macrochirus</i> |  |  |  |
| 4/16/2006 |  | Striped Bass  |  | <i>Morone saxatotes</i>    |  |  |  |
| 4/16/2006 |  | Green Sunfish |  | <i>Lepomis cyanellus</i>   |  |  |  |
|           |  |               |  |                            |  |  |  |

## Georgia

|           |  |                   |  |                              |  |  |  |
|-----------|--|-------------------|--|------------------------------|--|--|--|
|           |  |                   |  |                              |  |  |  |
| 7/10/2007 |  | Permet            |  | <i>Trachinotus falcatus</i>  |  |  |  |
| 7/10/2007 |  | Silver Perch      |  | <i>Bairdiella chrysoura</i>  |  |  |  |
| 7/10/2007 |  | Frigate Mackerel  |  | <i>Auxis thazard</i>         |  |  |  |
| 7/10/2007 |  | Florida Pompano   |  | <i>Trachinotus carolinus</i> |  |  |  |
| 7/10/2007 |  | Inland Silverside |  | <i>Menidia beryllina</i>     |  |  |  |
| 7/10/2007 |  | Chain Pipefish    |  | <i>Syngnathus louisianae</i> |  |  |  |
| 7/10/2007 |  | Striped Killifish |  | <i>Fundulus majalis</i>      |  |  |  |

|           |                    |                                |
|-----------|--------------------|--------------------------------|
| 7/12/2007 | Mummichog          | <i>Fundulus Heteroclitus</i>   |
| 7/14/2007 | Spanish Mackerel   | <i>Scomberomorus maculatus</i> |
| 7/14/2007 | Bigeye Scad        | <i>Selar crumenophthalmas</i>  |
| 7/16/2007 | Pinfish            | <i>Lagodon rhomboides</i>      |
| 7/16/2007 | Atlantic Croaker   | <i>Micropogonias undulatus</i> |
| 7/16/2007 | Oyster toadfish    | <i>Opsanus tau</i>             |
| 7/16/2007 | Hardhead catfish   | <i>Arius felis</i>             |
| 7/16/2007 | Spot; flat croaker | <i>Leiostomus xanthurus</i>    |
|           |                    | total 75 different species     |

| Verification Signature Sheet    |                    |                    |                       |       |                                    |
|---------------------------------|--------------------|--------------------|-----------------------|-------|------------------------------------|
| Trip Location & Collectors      |                    |                    |                       |       |                                    |
| Schermerhorn Park/Galena, KS    | Genus              | species            | Common Name           | ****# | Collection Location      Signature |
| Shoal Creek                     |                    |                    |                       |       |                                    |
| N 37° 02'29" W98° 38'34"        |                    |                    |                       |       |                                    |
| 4/16/06                         |                    |                    |                       |       |                                    |
| Collectors:                     | <i>Lusilus</i>     | <i>cardinalis</i>  | Cardinal Shiner       | 8     | Donated to Nature Reach            |
| Travis Robb, Sally Tucker,      | <i>Percina</i>     | <i>caprodes</i>    | Loggerhead            | 1     | Donated to Nature Reach            |
| Gabe Anderson, Chris Tucker and | <i>Micropterus</i> | <i>punctulatus</i> | Spotted Bass          | 1     | released/verified                  |
| Linda Phipps                    | <i>Labidesthes</i> | <i>sicculus</i>    | Brook Silverside      | 1     | Donated to Nature Reach            |
|                                 | <i>Notropis</i>    | <i>rubellus</i>    | Rosyface Shinner      | 7     | Donated to Nature Reach            |
|                                 | <i>Campostoma</i>  | <i>anomalum</i>    | Central Stoneroller   | 1     | Donated to Nature Reach            |
|                                 | <i>Gambusia</i>    | <i>affinis</i>     | Misquitosfish         | 1     | Donated to Nature Reach            |
|                                 | <i>Fundulus</i>    | <i>notatus</i>     | Blackstripe Topminnow | 2     | Donated to Nature Reach            |
|                                 | <i>Etheostoma</i>  | <i>blennioides</i> | Greenside Darter      | 1     | released/verified-SINC             |
|                                 | <i>Etheostoma</i>  | <i>chlorosomum</i> | Bluntnose Darter      | 1     | released/verified-SINC             |
|                                 | <i>Etheostoma</i>  | <i>zonale</i>      | Banded Darter         | 1     | released/verified-SINC             |
|                                 | <i>Lepomis</i>     | <i>macrochirus</i> | Bluegill              | 1     | Donated to Nature Reach            |
|                                 | <i>Lepomis</i>     | <i>megalotis</i>   | Longear Sunfish       | 1     | Donated to Nature Reach            |
|                                 | <i>Cyprenella</i>  | <i>lutrensis</i>   | Red Shiner            | 4     | Donated to Nature Reach            |
| Grand Lake/near Grove, OK       |                    |                    |                       |       |                                    |
| Cowskin Area                    |                    |                    |                       |       |                                    |
| N 36° 45'34.82" W 94° 44'45.24" |                    |                    |                       |       |                                    |
| 4/16/06                         |                    |                    |                       |       |                                    |
| Collectors:                     | <i>Lepomis</i>     | <i>macrochirus</i> | Bluegill *            | 1     | deceased/picture                   |
| Linda Phipps                    | <i>Morone</i>      | <i>saxatilis</i>   | Striped Bass          | 1     | deceased/picture                   |
|                                 | <i>Lepomis</i>     | <i>cyaneus</i>     | Green Trout           | 1     | deceased/picture                   |
| N.W. of Arma, KS                |                    |                    |                       |       |                                    |
| Bone Creek                      |                    |                    |                       |       |                                    |
| N 37° 37'06.12" W94° 44'45.24"  |                    |                    |                       |       |                                    |
| 4/17/06                         |                    |                    |                       |       |                                    |
| Collectors:                     | <i>Micropterus</i> | <i>salmonides</i>  | Largemouth Bass       | 1     | deceased/picture                   |
| Linda Phipps                    | <i>Pomoxis</i>     | <i>nitidus</i>     | Black Crappie         | 1     | deceased/picture                   |
|                                 |                    |                    |                       |       |                                    |
|                                 |                    |                    |                       |       |                                    |

|                                 |                     |                    |                        |   |                         |
|---------------------------------|---------------------|--------------------|------------------------|---|-------------------------|
| <b>N. of Hallowell, KS</b>      |                     |                    |                        |   |                         |
| Strip Pit                       |                     |                    |                        |   |                         |
| N 37° 14'26.78" W 94° 59'05.35" |                     |                    |                        |   |                         |
| 4/17/06                         |                     |                    |                        |   |                         |
| Collectors:                     | <i>Oncorhynchus</i> | <i>mykiss</i>      | Rainbow Trout          | 1 | deceased/picture        |
| Linda Phipps                    |                     |                    |                        |   |                         |
|                                 |                     |                    |                        |   |                         |
| <b>Missouri Trip</b>            |                     |                    |                        |   |                         |
| Current River                   |                     |                    |                        |   |                         |
| N 36° 59'29.28" W 91° 00'56.15" |                     |                    |                        |   |                         |
| 5/6/06                          |                     |                    |                        |   |                         |
| Collectors:                     | <i>Notemigonus</i>  | <i>cyrsoleucas</i> | Golden Shiner          | 1 | Donated to Nature Reach |
| Ichthyology Class**             | <i>Fundulus</i>     | <i>catenatus</i>   | Northern Studfish      | 2 | Donated to Nature Reach |
|                                 | <i>Hypetelium</i>   | <i>nigricanus</i>  | Northern Hogsucker     | 1 | Donated to Nature Reach |
|                                 | <i>Esox</i>         | <i>niger</i>       | Chain Pickerel         | 2 | Donated to Nature Reach |
|                                 | <i>Notropis</i>     | <i>Telescopus</i>  | Telescope Shiner       | 3 | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>   | <i>blennioides</i> | Greenside Darter *     | 1 | Donated to Nature Reach |
|                                 | <i>Micropterus</i>  | <i>punctulatus</i> | Spotted Bass *         | 1 | Donated to Nature Reach |
|                                 | <i>Cottus</i>       | <i>carolinae</i>   | Banded Sculpin         | 3 | Donated to Nature Reach |
|                                 | <i>Cottus</i>       | <i>hyselurus</i>   | Ozark Sculpin          | 1 | Donated to Nature Reach |
|                                 | <i>Gambusia</i>     | <i>affinis</i>     | Misquitofish *         | 1 | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>   | <i>spectabile</i>  | Orange Throat Darter   | 5 | Donated to Nature Reach |
|                                 | <i>Notropis</i>     | <i>Rubellus</i>    | Rosyface Shiner *      | 2 | Donated to Nature Reach |
|                                 | <i>Ambloplites</i>  | <i>rupestris</i>   | Shadow Bass            | 2 | Donated to Nature Reach |
|                                 | <i>Notropis</i>     | <i>zonatus</i>     | Bleeding Shiner        | 4 | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>   | <i>zonale</i>      | Banded Darter *        | 1 | Donated to Nature Reach |
|                                 | <i>Campostoma</i>   | <i>oligolepis</i>  | Largescale Stoneroller | 2 | Donated to Nature Reach |
|                                 | <i>Pimephales</i>   | <i>notatus</i>     | Bluntnose Minnow       | 4 | Donated to Nature Reach |

|                                    |                     |                      |                        |    |                         |
|------------------------------------|---------------------|----------------------|------------------------|----|-------------------------|
| <b>Missouri Trip</b>               |                     |                      |                        |    |                         |
| Black River                        |                     |                      |                        |    |                         |
| N 37° 04'44.47" W 90° 42'52.52.10" |                     |                      |                        |    |                         |
| 5/6/06                             |                     |                      |                        |    |                         |
| Collectors:                        | <i>Pimepnales</i>   | <i>notatus</i>       | Bluntnose Minnow *     | 4  | Donated to Nature Reach |
| Ichthyology Class**                | <i>Labidesthes</i>  | <i>sicculus</i>      | Brooks Silverside *    | 1  | Donated to Nature Reach |
|                                    | <i>Micropterus</i>  | <i>punctulatus</i>   | Spotted Bass *         | 2  | Donated to Nature Reach |
|                                    | <i>Dorosoma</i>     | <i>cepedianum</i>    | Gizzard Shad           | 1  | Donated to Nature Reach |
|                                    | <i>Phoninus</i>     | <i>erythrogaster</i> | Southern Red Belly Dac | 3  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>boops</i>         | Bigeye Shiner          | 14 | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>rubellus</i>      | Rosyface Shiner *      | 2  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>nubilus</i>       | Ozark Minnow           | 3  | Donated to Nature Reach |
|                                    | <i>Nocomis</i>      | <i>biguttatus</i>    | Hornyhead Chub         | 5  | Donated to Nature Reach |
|                                    | <i>Cypinella</i>    | <i>galacturus</i>    | Whitetail Shiner       | 6  | Donated to Nature Reach |
|                                    | <i>Fundulus</i>     | <i>notatus</i>       | Blackstripe Top Minnow | 3  | Donated to Nature Reach |
|                                    | <i>Esox</i>         | <i>niger</i>         | Chain Pickerel *       | 2  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>Venustus</i>      | Blacktail Shiner       | 2  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>zonatus</i>       | Bleeding Shiner *      | 1  | Donated to Nature Reach |
|                                    | <i>Lepomis</i>      | <i>marcochirus</i>   | Bluegill *             | 2  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>chysocephalus</i> | Striped Shiner         | 1  | Donated to Nature Reach |
|                                    | <i>Lepomis</i>      | <i>marginatus</i>    | Dollar Sunfish         | 1  | Donated to Nature Reach |
| <b>Missouri Trip</b>               |                     |                      |                        |    |                         |
| North Fork - White River           |                     |                      |                        |    |                         |
| N 36° 42'05.23" W 92° 11'28.88"    |                     |                      |                        |    |                         |
| 5/7/06                             |                     |                      |                        |    |                         |
| Collectors:                        | <i>Phoxinus</i>     | <i>erythrogaster</i> | Southern Red Belly Dac | 4  | Donated to Nature Reach |
| Ichthyology Class**                | <i>Etheostoma</i>   | <i>caeruleum</i>     | Rainbow Darter         | 11 | Donated to Nature Reach |
|                                    | <i>Oncorhynchus</i> | <i>mykiss</i>        | Rainbow Trout *        | 1  | Donated to Nature Reach |
|                                    | <i>Cottus</i>       | <i>Hypselurus</i>    | Ozark Sculpin *        | 1  | Donated to Nature Reach |
|                                    | <i>Cottus</i>       | <i>carolinae</i>     | Banded Sculpin *       | 2  | Donated to Nature Reach |
|                                    | <i>Campostoma</i>   | <i>oligolepis</i>    | Largescale Stoneroller | 1  | Donated to Nature Reach |
|                                    | <i>Fundulus</i>     | <i>catenatus</i>     | Northern Studfish *    | 1  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>pilsbryi</i>      | Duskystrip Shiner      | 7  | Donated to Nature Reach |
|                                    | <i>Ambloplites</i>  | <i>constellatus</i>  | Ozark Bass             | 3  | Donated to Nature Reach |
|                                    | <i>Notropis</i>     | <i>rubellus</i>      | Rosyface Shiner *      | 2  | Donated to Nature Reach |



|                                 |                    |                      |                        |    |                         |
|---------------------------------|--------------------|----------------------|------------------------|----|-------------------------|
| <b>Missouri Trip</b>            |                    |                      |                        |    |                         |
| Kissee Mills - Beaver Creek     |                    |                      |                        |    |                         |
| N 36° 40'18.81" W 93° 01'15.11" |                    |                      |                        |    |                         |
| 5/7/06                          |                    |                      |                        |    |                         |
| Collectors:                     | <i>Percina</i>     | <i>euzonum</i>       | Arkansas Saddleback D  | 1  | Donated to Nature Reach |
| Ichthyology Class**             | <i>Moxostoma</i>   | <i>anisurum</i>      | Silver redhorse        | 4  | Donated to Nature Reach |
|                                 | <i>Percina</i>     | <i>caprodes</i>      | Logperch *             | 2  | Donated to Nature Reach |
|                                 | <i>Noturus</i>     | <i>albater</i>       | Ozark Madtom           | 1  | Donated to Nature Reach |
|                                 | <i>Hypentelium</i> | <i>nigricans</i>     | Northern Hogsucker *   | 2  | Donated to Nature Reach |
|                                 | <i>Notropis</i>    | <i>rubellus</i>      | Rosyface Shiner *      | 3  | Donated to Nature Reach |
|                                 | <i>Campostoma</i>  | <i>aomalum</i>       | Central Stoneroller *  | 1  | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>  | <i>caeruleum</i>     | Rainbow Darter *       | 8  | Donated to Nature Reach |
|                                 | <i>Erimystax</i>   | <i>harryi</i>        | Ozark Chub             | 1  | Donated to Nature Reach |
|                                 | <i>Labidesthes</i> | <i>sicculus</i>      | Brooks Silverside *    | 3  | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>  | <i>spectabile</i>    | Orangethroat Darter *  | 1  | Donated to Nature Reach |
|                                 | <i>Lepomis</i>     | <i>marcochirus</i>   | Bluegill *             | 1  | Donated to Nature Reach |
|                                 | <i>Semotilus</i>   | <i>astromaculatu</i> | Creek Chub             | 1  | Donated to Nature Reach |
|                                 | <i>Notropis</i>    | <i>nubilus</i>       | Ozark Minnow *         | 10 | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>  | <i>spectabile</i>    | Orange Throat Darter * | 1  | Donated to Nature Reach |
|                                 | <i>Lepomis</i>     | <i>megalotis</i>     | Longear Sunfish *      | 1  | Donated to Nature Reach |
|                                 | <i>Notropis</i>    | <i>greenei</i>       | Wedgespot Shiner       | 6  | Donated to Nature Reach |
|                                 | <i>Etheostoma</i>  | <i>blennioides</i>   | Greenside Darter *     | 3  | Donated to Nature Reach |
|                                 | <i>Fundulus</i>    | <i>catenatus</i>     | Northern Studfish *    | 1  | Donated to Nature Reach |
|                                 | <i>Phoxinus</i>    | <i>erythrogaster</i> | Southern Red Belly Dac | 2  | Donated to Nature Reach |
| <b>Missouri Trip</b>            |                    |                      |                        |    |                         |
| James River                     |                    |                      |                        |    |                         |
| N 36° 48'31.42" W 93° 27'47.10" |                    |                      |                        |    |                         |
| 5/7/06                          |                    |                      |                        |    |                         |
| Collectors:                     | <i>Fundulus</i>    | <i>olivaceus</i>     | Blackspotted Topminnow | 3  | Donated to Nature Reach |
| Ichthyology Class**             | <i>Pimephales</i>  | <i>notatus</i>       | Bluntnose Minnow *     | 5  | Donated to Nature Reach |
|                                 | <i>Fundulus</i>    | <i>catenatus</i>     | Northern Studfish *    | 2  | Donated to Nature Reach |
|                                 | <i>Campostoma</i>  | <i>anomalum</i>      | Central Stoneroller *  | 2  | Donated to Nature Reach |
|                                 | <i>Gambusia</i>    | <i>affinis</i>       | Misquitosfish *        | 2  | Donated to Nature Reach |
|                                 |                    |                      |                        |    |                         |
|                                 |                    |                      |                        |    |                         |
|                                 |                    |                      |                        |    |                         |

|                                 |                   |                      |                        |   |                           |
|---------------------------------|-------------------|----------------------|------------------------|---|---------------------------|
| <b>Missouri Trip</b>            |                   |                      |                        |   |                           |
| Center Creek                    |                   |                      |                        |   |                           |
| N 37° 04'17.97" W 94° 06'36.19" |                   |                      |                        |   |                           |
| 5-7-06                          |                   |                      |                        |   |                           |
| Collectors:                     | <i>Etheostoma</i> | <i>punctulatum</i>   | Stippled Darter        | 1 | Donated to Nature Reach   |
| Ichthyology Class**             | <i>Etheostoma</i> | <i>cragini</i>       | Arkansas Darter        | 3 | Donated to Nature Reach   |
|                                 | <i>Luxilus</i>    | <i>cardinalis</i>    | Cardinal Shiner *      | 2 | Donated to Nature Reach   |
|                                 | <i>Percina</i>    | <i>caprodes</i>      | Log Perch *            | 1 | Donated to Nature Reach   |
|                                 | <i>Etheostoma</i> | <i>microperca</i>    | Least Darter           | 2 | Donated to Nature Reach   |
|                                 | <i>Noturus</i>    | <i>exilis</i>        | Slender Madtom         | 1 | Donated to Nature Reach   |
|                                 | <i>Etheostoma</i> | <i>flabellare</i>    | Fantail Darter         | 2 | Donated to Nature Reach   |
|                                 | <i>Phoxinus</i>   | <i>erythrogaster</i> | Southern Red Belly Dac | 2 | Donated to Nature Reach   |
|                                 | <i>Campostoma</i> | <i>anomalum</i>      | Central Stoneroller *  | 1 | Donated to Nature Reach   |
|                                 | <i>Etheostoma</i> | <i>blennioides</i>   | Greensided Darter *    | 1 | Donated to Nature Reach   |
|                                 | <i>Lepomis</i>    | <i>cyanellus</i>     | Green Sunfish          | 2 | Donated to Nature Reach   |
| <b>Near Riverton, KS</b>        |                   |                      |                        |   |                           |
| Spring River                    |                   |                      |                        |   |                           |
| N 37° 04'37.81" W 94° 41'30.62" |                   |                      |                        |   |                           |
| 5/9/06                          |                   |                      |                        |   |                           |
| Collectors:                     | <i>Morone</i>     | <i>chrysops</i>      | White Bass             | 1 | deceased/picture          |
| Linda                           | <i>Ameriurus</i>  | <i>melas</i>         | Black Bullhead Catfish | 1 | deceased/picture          |
|                                 | <i>Ictalurus</i>  | <i>punctatus</i>     | Channel Catfish        | 1 | deceased/picture          |
| <b>Thayer, KS</b>               |                   |                      |                        |   |                           |
| Thayer City Lake                |                   |                      |                        |   |                           |
| T295,R17E Section 31            |                   |                      |                        |   |                           |
| 5/11/06                         |                   |                      |                        |   |                           |
| Collector:                      | <i>Lepomis</i>    | <i>microlophus</i>   | Redear Sunfish         | 1 | Personal Collection - PSU |
| Linda Phipps                    |                   |                      |                        |   |                           |
| <b>Parsons, KS</b>              |                   |                      |                        |   |                           |
| Parson City Lake                |                   |                      |                        |   |                           |
| T30S, R12E Section 6            |                   |                      |                        |   |                           |
| 5/15/06                         |                   |                      |                        |   |                           |
| Collector:                      | <i>Pomoxis</i>    | <i>Annularis</i>     | White Crappie          | 1 | Personal Collection - PSU |
| Linda Phipps                    |                   |                      |                        |   |                           |

|                               |               |              |                   |    |                         |
|-------------------------------|---------------|--------------|-------------------|----|-------------------------|
| <b>Sapelo Island, Georgia</b> |               |              |                   |    |                         |
| SI-07                         |               |              |                   |    |                         |
| N 31° 477' W 81° 241'         |               |              |                   |    |                         |
| 7/10/07                       |               |              |                   |    |                         |
|                               | Auxis         | thazard      | Frigate Mackerel  | 1  | Donated to Nature Reach |
| Collectors:                   | Trachinotus   | carolinus    | Florida Pompano   | 4  | Donated to Nature Reach |
|                               | Menidia       | beryllina    | Inland Silverside | 14 | Donated to Nature Reach |
| Sapelo Island PSU Group***    | Fundulus      | majalis      | Striped Killifish | 3  | Donated to Nature Reach |
|                               | Trachinotus   | falchatus    | Permet            | 3  | Donated to Nature Reach |
|                               | Bairdiella    | chrysoura    | Silver Perch      | 1  | Donated to Nature Reach |
|                               |               |              |                   |    |                         |
| SI-07 " " 7/12/07             |               |              |                   |    |                         |
|                               | Fundulus      | heteroclitus | Mummichog         | 1  | Donated to Nature Reach |
| SI-07 " " 7/14/07             |               |              |                   |    |                         |
| SI-07 " " 7/14/07             | Scomberomorus | maculatus    | Spanish Mackerel  | 1  | Donated to Nature Reach |
|                               | Selar         | crumenophtha | Blgeye Scad       | 3  | Donated to Nature Reach |
| SI-07 " " 7/16/07             |               |              |                   |    |                         |
|                               | Leiostomus    | xanthurus    | Spot              | 3  | Donated to Nature Reach |
| <b>Sapelo Island, Georgia</b> |               |              |                   |    |                         |
| Blackbeard Creek/Tidal Creek  |               |              |                   |    |                         |
| SI-07 " " 7/16/07             |               |              |                   |    |                         |
| SI-07 " " 7/16/07             | Lagodon       | rhomboides   | Pinfish           | 1  | Donated to Nature Reach |
| SI-07 " " 7/16/07             | Micropogonias | undulatus    | Atlantic Croaker  | 1  | Donated to Nature Reach |
| SI-07 " " 7/10/07             | Opsanus       | tau          | Oystertoadfish    | 1  | Donated to Nature Reach |
| SI-07 " " 7/10/07             | Syngnathus    | louisianae   | Chain Pipefish    | 3  | Donated to Nature Reach |
|                               | Hardhead      | felis        | Hardhead Catfish  | 1  | released/photo          |
|                               |               |              |                   |    |                         |

[illegible]

Ameriurus melas

Black Bullhead

Location: Spring River

Near Riverton, KS

37°04'.81"N 94°41'30.62"W

Collector: Linda Phipps

5-9-06



Morone chrysops

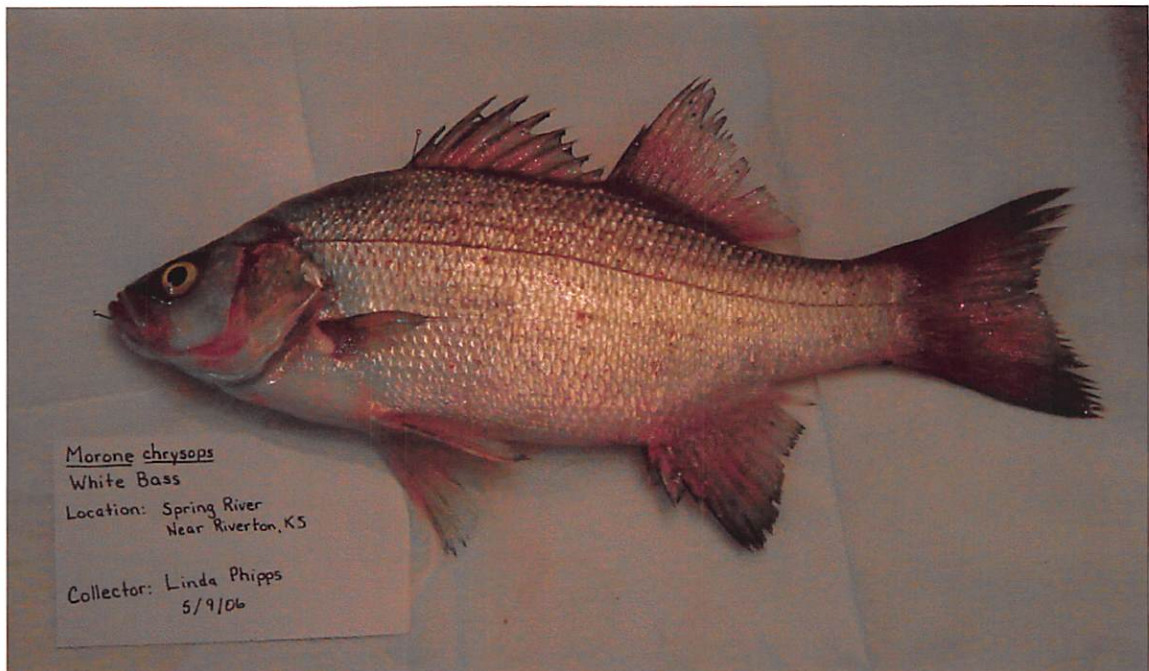
White Bass

Location: Spring River  
near Riverton

37° 04' <sup>37</sup>/<sub>81</sub> "N 94° 41' 30.62" W

Collector: Linda Phipps

5-9-06





Ictalurus punctatus  
Channel Catfish

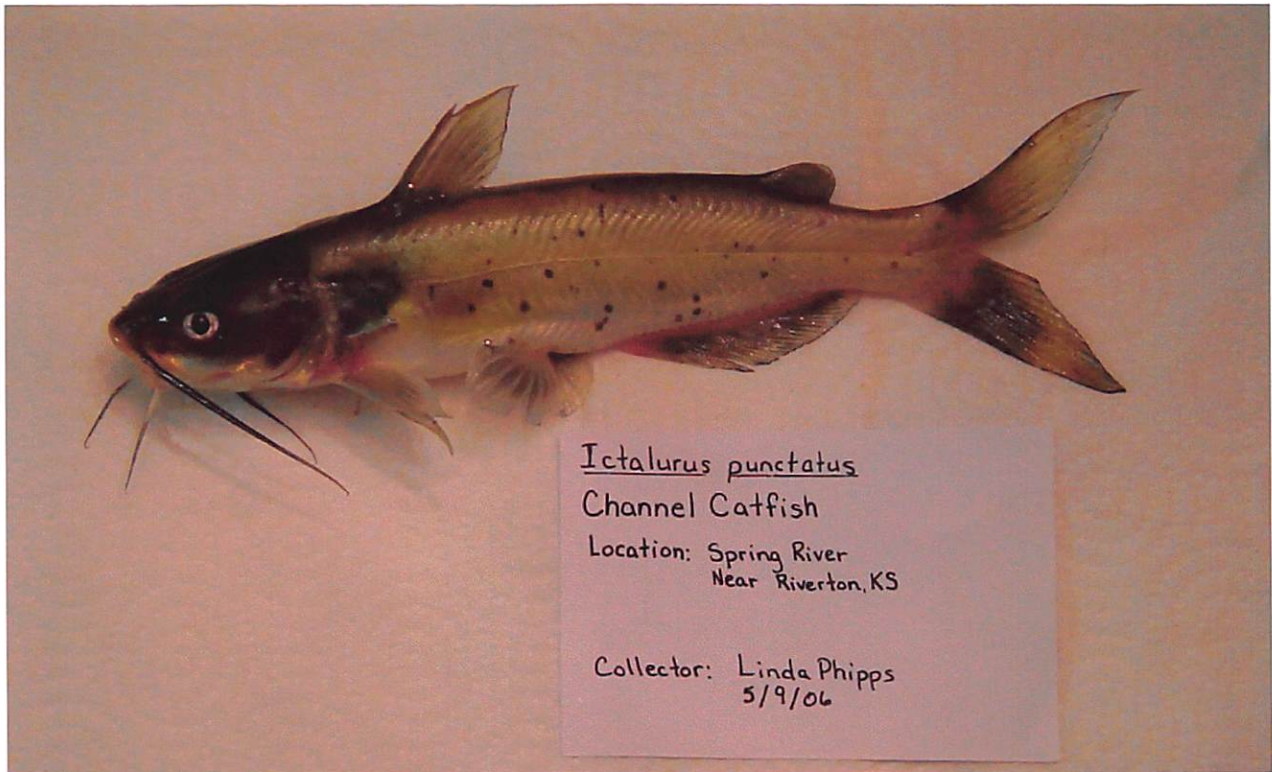
Location: Spring River

Near Riverton, KS

37°04'37.01" N 94°41'30.62"W

Collector: Linda Phipps

05/09/06



Micropterus salmonides

Largemouth Bass

Location: Bone Creek

N.W. of Arma, KS

37°37'06.12"N 94°43'56.17"W

Collector: Linda Phipps

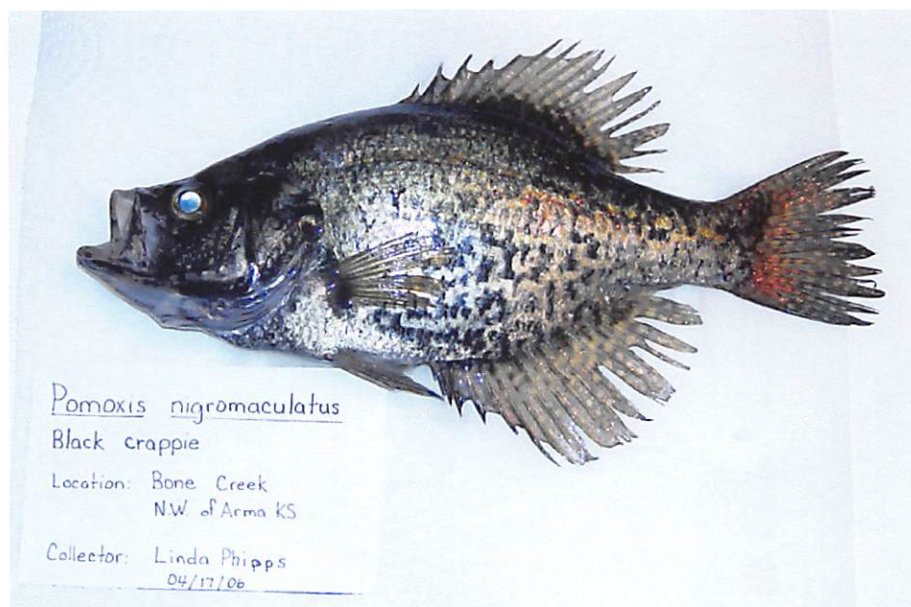
04/17/06





Pomoxis nigromaculatus  
Black crappie

37° 37' 06.12" N 94° 43' 56.17" W  
Location: Bone Creek  
N.W. of Arma KS  
Collector: Linda Phipps  
04/17/06



Pomoxis nigromaculatus  
Black crappie  
Location: Bone Creek  
N.W. of Arma KS  
Collector: Linda Phipps  
04/17/06

Lepomis macrochirus

Bluegill - Sunfish

36° 45' 34.82" N 94° 44' 45.24" W

Location: Grand Lake - Cowskin  
Near Grove OK

collector: Linda Phipps  
04/16/06



Lepomis macrochirus

Bluegill - sunfish

Location: Grand Lake - Cowskin  
Near Grove OK

Collector: Linda Phipps  
04/16/06

Morone saxatilis  
Striped Bass

36°45'34.82"N 94°44'45.24"W

Location: Grand Lake - Cowskin  
Near Grove OK

Collector: Linda Phipps  
04/16/06



Lepomis cyanellus  
Green Sunfish

36° 45' 34.82 " N 94° 44' 45.24 " W

Location: Grand Lake - Cowskin  
Near Grove OK

Collector: Linda Phipps  
04/16/06





Oncorhynchus mykiss

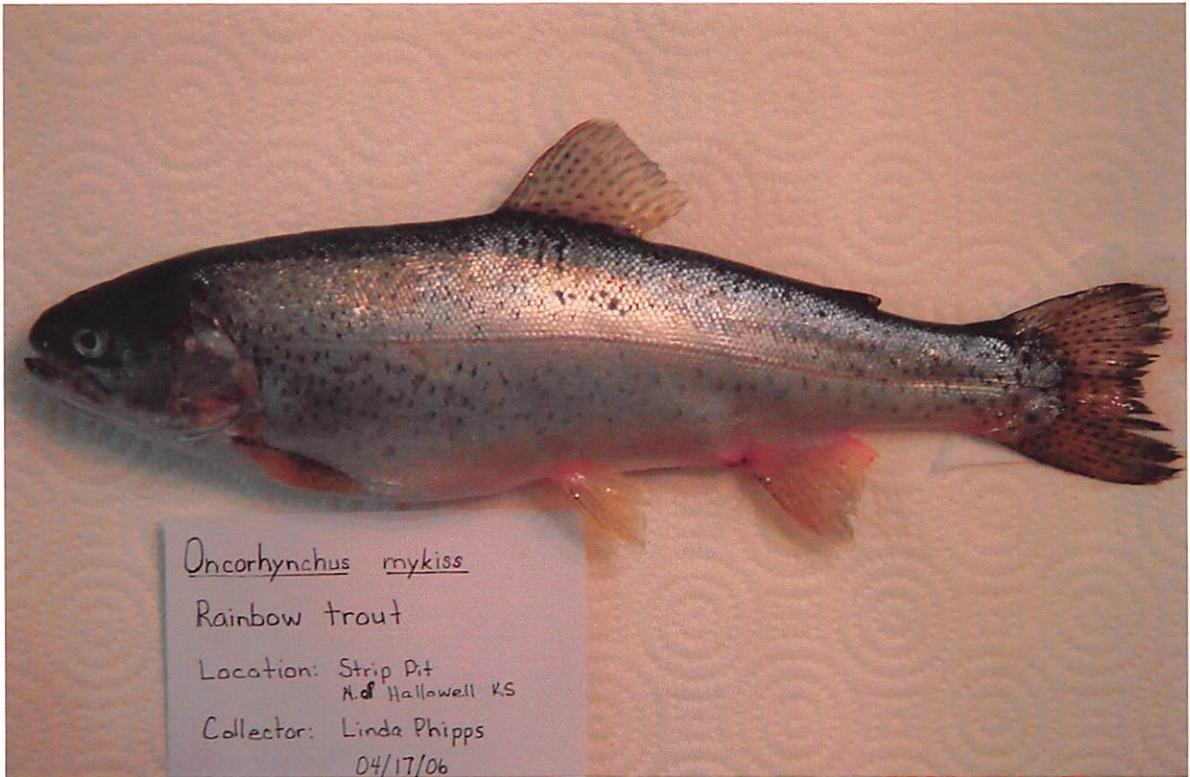
Rainbow Trout

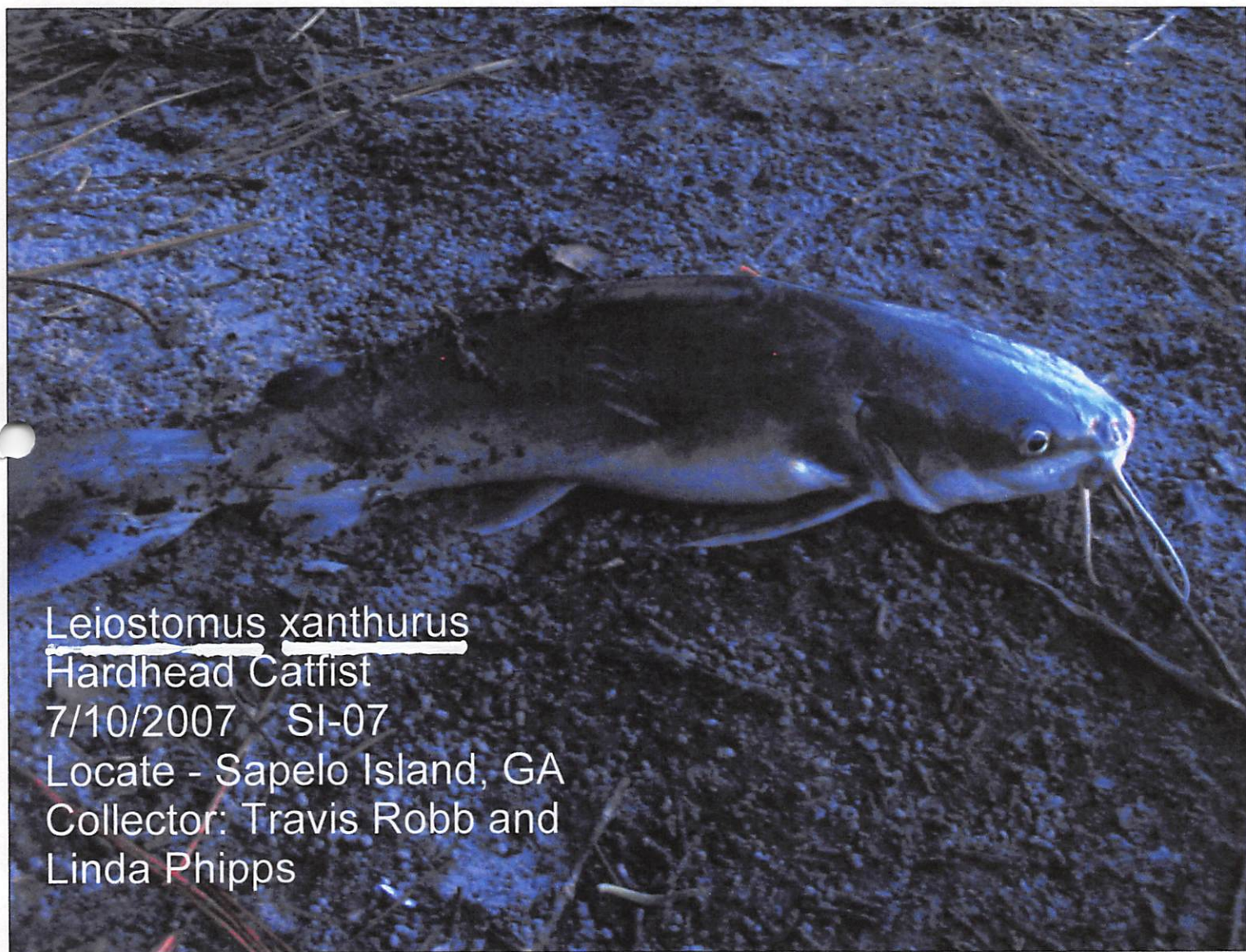
N. of Hallowell, KS - Strip Pit

37°14'26.78"N 94°59'05.35"W

Collector: Linda Phipps

04/17/06





Leiostomus xanthurus

Hardhead Catfish

7/10/2007 SI-07

Locate - Sapelo Island, GA

Collector: Travis Robb and

Linda Phipps



[illegible]