CHAPTER 8. CONSERVATION OPPORTUNITY AREAS

A. Conservation Opportunity Areas Need and Overview

With 345 animal Species of Greatest Conservation Need (SGCN) in Louisiana and finite time and resources for the conservation of SGCN and the habitats they require, a growing need exists to focus conservation action where it can have the greatest impact. For that reason, the 2015 Wildlife Action Plan (WAP) identifies priority areas for the conservation of Louisiana’s SGCN based primarily on SGCN richness and habitat diversity. These exceptionally diverse areas are known as Conservation Opportunity Areas (COAs).

Conservation Opportunity Areas are geographies within Louisiana that have been identified as uniquely important for the conservation of SGCN. Conservation actions within these COAs will benefit many SGCN, often across taxa and habitats. The COAs presented in this chapter represent those areas where, all else being equal, conservation funding and other resources should be allocated to have the most significant impact on SGCN. COAs are an addition to, rather than a replacement of, other landscape-scale conservation planning efforts such as those undertaken by Joint Ventures (JVs) and Landscape Conservation Cooperatives (LCCs). The COA approach adds a unique layer to such efforts: a focus on SGCN as identified in the WAP. COAs vary greatly in size and landscape composition, and each may have specific threats, conservation needs, and conservation actions.

The COAs identified in this WAP afford the Louisiana Department of Wildlife and Fisheries (LDWF) and partners some of the best opportunities for SGCN conservation, research, and monitoring. However, conservation actions carried out in other areas of the state are not devalued by this methodology. In fact, not all SGCN and associated habitats are represented by these COAs, and for those that are, actions within COA boundaries alone may not be sufficient to ensure their persistence. Therefore, to fully meet the objectives of the Louisiana WAP, a degree of flexibility and opportunism must be retained, along with a willingness to modify priorities as new threats, issues, and opportunities arise. No regulatory aspect exists for COAs, and all conservation actions by private landowners or other partners are strictly voluntary. Land use or other activities will not be altered or restricted as a result of COA designation.

B. Identifying COAs

As COAs are intended to enhance our ability to conserve SGCN and their habitats, the distribution of SGCN was the primary factor used in the identification of COAs. Distribution was mapped using Louisiana Department of Environmental Quality (LDEQ) subbasins.

The process of identifying COAs was a multi-tiered Geographic Information System (GIS) based approach in which multiple data layers were compiled and considered by an LDWF committee tasked with the initial delineation of COAs. The layers used to produce a draft layer of COAs were:
1) Priority Level 1\(^1\) subbasins based on the predicted distribution of all S1, S2, and S3 SGCN.

2) Priority Level 1 + Priority Level 2 subbasins based on predicted distribution of S1, S2, and S3 SGCN.

3) Priority Level 1 + Priority Level 2 + Priority Level 3 subbasins based on predicted distribution of S1, S2, and S3 SGCN.

4) Priority Level 1 subbasins based on the distribution of all S1, S2, and S3 natural communities.

5) Priority Level 1 + Priority Level 2 subbasins based on predicted distribution of S1, S2, and S3 natural communities.

6) Priority Level 1 + Priority Level 2 + Priority Level 3 subbasins based on predicted distribution of S1, S2, and S3 natural communities.

7) Location of existing conservation lands and Louisiana Natural & Scenic Rivers.

8) Stream segments that are of very high quality for fish and wildlife propagation based on Louisiana Department of Environmental Quality (LDEQ) water quality data (LDEQ 2012).

These layers were each set to 90% transparency and overlain on each other in a GIS. Those areas where the most layers overlapped (i.e., greatest color density) were delineated and polygons created. These polygons were then assigned to one of five levels, based on visual classification of relative color density. Using the 2011 National Landcover Database (NLCD), heavily urbanized areas were removed from these polygons, as such areas are not of current value to SGCN, and are unlikely to be cost effective targets for restoration activity.

Thirty-eight potential COAs were identified using the aforementioned approach. These 38 potential COAs were placed into two Tiers, with those areas in the three highest color density levels comprising Tier 1, and the next two levels placed in Tier 2. Those COAs in Tier 1 are of higher priority for conservation action than are Tier 2 COAs, all else being equal.

This list of potential COAs was then refined by the committee, to a final list of 30 draft COAs (Table 8.1). Other factors considered while refining the list of draft COAs included predicted increases in urbanization as well as Sea Level Rise (SLR) projections. Future iterations of Louisiana COAs will endeavor to narrow the focus beyond this initial effort and refine the COAs further based on additional factors such as land use and

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\(^1\) For the predicted distribution of SGCN, Element Occurrence Records (EORs), historical distribution information, and expert opinion were used to create range maps, using LDEQ sub-basins, which are similar in scale to HUC 10s.

For more information on subbasin level distribution modelling of SGCN, including a description of the different Priority Levels that were used, see Chapter 3.
current vegetative cover. For adjacent areas that were within the same Tier, biological similarity was used to lump or split the areas. Based on the Sorenson-Dice Coefficient, areas showing 75% or greater similarity in SGCN were lumped.

The conservation needs and actions listed for each subset of COAs were developed by LDWF and reviewed by conservation partners. However, priority conservation needs and actions may change or emerge over time.

Another important factor in identifying and planning for COAs is the presence of existing or potential conservation partners. The Louisiana WAP is intended to be a blueprint for the conservation of SGCN and their habitats, and the ambitious goals of the WAP cannot be achieved by LDWF alone. Conservation Opportunity Areas provide another tool for resource managers to determine new opportunities for conservation or to add value to already planned or existing efforts.

C. Louisiana COAs

The 30 COAs detailed below cover a broad range of habitats and span the state. Each ecoregion in the state contains multiple COAs, and the ecoregions are used to group the COAs for discussion below. For each ecoregion, priority conservation actions are identified, as well as current or potential key conservation partners\(^2\). Lists of priority habitats and SGCN are provided for each COA below. For SGCN, these lists are not exhaustive, but represent those species for which a COA is of particular importance (e.g., a species with a limited distribution) as well as SGCN that will serve as “umbrella” species (i.e., actions to benefit that species will benefit many others). An exception to this methodology was the identification of priority bird SGCN. Birds presented a set of unique challenges, and an alternate methodology was developed. This was a two-step process, where (1) a list of priority SGCN was developed for each ecoregion, and (2) those species were listed for each COA as deemed appropriate.

These conservation actions, habitats and SGCN represent a snapshot of priorities as identified by LDWF and partners during the revision process, and it is expected that priorities will evolve over the next ten years. The LDWF COA Committee greatly appreciates input on conservation needs and welcomes comment from Louisiana conservation stakeholders. For additional detail on research needs and conservation actions for SGCN and the priority habitats listed below, refer to Chapters 4 and 5, respectively.

\(^2\) Note that the lists of key partners for each ecoregion’s COAs include only those partners that are specific to that ecoregion. Partners that LDWF works with on a statewide level are not necessarily listed, unless there is a particular emphasis on partnering with that entity in that ecoregion.
Figure 8.1 – COAs by Tier, along with managed lands located throughout Louisiana. The managed lands include LDWF WMAs and Refuges, Louisiana State Parks, USFWS Wildlife Refuges, USFS property, DOD lands, and TNC properties.

Figure 8.2 – Overview of Louisiana COA distribution relative to ecoregions
Table 8.1 – Louisiana COAs by Ecoregion and Tier, with acreage.

<table>
<thead>
<tr>
<th>COA</th>
<th>Tier</th>
<th>Ecoregion</th>
<th>Acreage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bogue Chitto</td>
<td>1</td>
<td>EGCP</td>
<td>365,896</td>
</tr>
<tr>
<td>Holmes Bayou</td>
<td>1</td>
<td>EGCP</td>
<td>48,230</td>
</tr>
<tr>
<td>Tchefuncte River-Northshore</td>
<td>1</td>
<td>EGCP</td>
<td>429,658</td>
</tr>
<tr>
<td>Tickfaw-Tangipahoa</td>
<td>1</td>
<td>EGCP</td>
<td>644,396</td>
</tr>
<tr>
<td>Madisonville Marsh</td>
<td>2</td>
<td>EGCP</td>
<td>12,569</td>
</tr>
<tr>
<td>Pearl River</td>
<td>2</td>
<td>EGCP</td>
<td>93,941</td>
</tr>
<tr>
<td>Upper Amite River</td>
<td>2</td>
<td>EGCP</td>
<td>131,095</td>
</tr>
<tr>
<td>Little Lake</td>
<td>1</td>
<td>GCPM</td>
<td>6,674</td>
</tr>
<tr>
<td>Barataria-Terrebonne</td>
<td>2</td>
<td>GCPM</td>
<td>360,298</td>
</tr>
<tr>
<td>Calcasieu Prairie</td>
<td>2</td>
<td>GCPM</td>
<td>147,783</td>
</tr>
<tr>
<td>Chandeleurs</td>
<td>2</td>
<td>GCPM</td>
<td>276,048</td>
</tr>
<tr>
<td>Chenier</td>
<td>2</td>
<td>GCPM</td>
<td>102,424</td>
</tr>
<tr>
<td>Sabine Prairie</td>
<td>2</td>
<td>GCPM</td>
<td>108,407</td>
</tr>
<tr>
<td>Richland-Franklin</td>
<td>1</td>
<td>MRAP</td>
<td>178,969</td>
</tr>
<tr>
<td>Tunica</td>
<td>1</td>
<td>MRAP</td>
<td>110,934</td>
</tr>
<tr>
<td>Ouachita</td>
<td>2</td>
<td>MRAP</td>
<td>1,079,020</td>
</tr>
<tr>
<td>Bodeau</td>
<td>2</td>
<td>UWGCP</td>
<td>58,586</td>
</tr>
<tr>
<td>Boggy Bayou</td>
<td>2</td>
<td>UWGCP</td>
<td>626,300</td>
</tr>
<tr>
<td>Caddo-Bossier</td>
<td>2</td>
<td>UWGCP</td>
<td>220,678</td>
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<td>Kepler</td>
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<td>Red River</td>
<td>2</td>
<td>UWGCP</td>
<td>166,300</td>
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<tr>
<td>Union</td>
<td>2</td>
<td>UWGCP</td>
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<tr>
<td>Dugdemona River</td>
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<td>WGCP</td>
<td>758,240</td>
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<tr>
<td>Kisatchie Bayou-Anacoco</td>
<td>1</td>
<td>WGCP</td>
<td>786,638</td>
</tr>
<tr>
<td>Sabine River</td>
<td>1</td>
<td>WGCP</td>
<td>319,652</td>
</tr>
<tr>
<td>St. Maurice</td>
<td>1</td>
<td>WGCP</td>
<td>32,451</td>
</tr>
<tr>
<td>Bayou Toro</td>
<td>2</td>
<td>WGCP</td>
<td>38,047</td>
</tr>
<tr>
<td>Calcasieu River</td>
<td>2</td>
<td>WGCP</td>
<td>937,997</td>
</tr>
<tr>
<td>LaSalle</td>
<td>2</td>
<td>WGCP</td>
<td>20,822</td>
</tr>
<tr>
<td>Saline Lake</td>
<td>2</td>
<td>WGCP</td>
<td>68,956</td>
</tr>
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</table>
1. East Gulf Coastal Plain Ecoregion COAs

Seven COAs are located in the East Gulf Coastal Plain ecoregion (EGCP, Fig. 8.3), the second highest number in any of Louisiana’s ecoregions. This reflects the large number of rare species in the EGCP, many of which are found nowhere else in the state. Consequently, four of the COAs in the EGCP are Tier 1 COAs (Table 8.1). Little overlap exists between the COAs in this ecoregion and existing conservation lands, and consequently the acquisition of land from willing sellers as well as habitat management on private lands are critical needs for these COAs.

Priority Conservation Needs/Actions

- Land protection/acquisition/management, particularly of Longleaf Pine habitat
- Prescribed burning initiatives, with an emphasis on private lands
- Streamside zone management, including retention of riparian buffers
- Longleaf Pine restoration and management
- Stream and river conservation, including sandbar protection and retention of woody debris and snags in-stream
- Maintenance of in-stream flow at adequate levels for aquatic SGCN
- Hydrological restoration of forested wetlands

Key Conservation Partners

- East Gulf Coastal Plain Joint Venture (EGCPJV)
- Gulf Coastal Plains & Ozarks Landscape Conservation Cooperative (GCPOLCC)
- Gopher Tortoise Council (GTC)
- Lake Pontchartrain Basin Foundation (LPBF)
- Longleaf Alliance
- Louisiana Department of Agriculture and Forestry (LDAF)
- Louisiana Department of Natural Resources (LDNR)
- Louisiana Department of Environmental Quality (LDEQ)
- Louisiana Forestry Association (LFA)
- Louisiana Office of State Parks (LOSP)
- Louisiana Prescribed Fire Council (LPFC)
- Mississippi Department of Wildlife, Fisheries, and Parks (MDWFP)
- National Wild Turkey Federation (NWTF)
- Parish Governments
- The Nature Conservancy (TNC)
- Timber Investment Management Organizations (TIMOs)
- U.S. Department of Agriculture Natural Resource Conservation Service (USDA NRCS)
- United States Army Corps of Engineers (USACE)
- United States Fish and Wildlife Service (USFWS)
- Wetland Mitigation Bank Sponsors & Interagency Review Team (IRT)
a. Bogue Chitto COA

1. Focal Habitats

<table>
<thead>
<tr>
<th>Bayhead Swamp</th>
<th>Eastern Upland Longleaf Pine Woodland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottomland Hardwood Forest</td>
<td>Xeric Sandhill Woodland</td>
</tr>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td>Eastern Hillside Seepage Bog</td>
</tr>
<tr>
<td>Small Stream Forest</td>
<td>Sandbars</td>
</tr>
<tr>
<td>Eastern Longleaf Pine Flatwoods Savanna</td>
<td></td>
</tr>
</tbody>
</table>

2. Focal SGCN

<table>
<thead>
<tr>
<th>Gulf Crawfish</th>
<th>Pearl River Map Turtle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ribbon Crawfish</td>
<td>Stripe-necked Musk Turtle</td>
</tr>
<tr>
<td>Pearl Blackwater Crawfish</td>
<td>Gopher Tortoise</td>
</tr>
<tr>
<td>Flatwoods Digger</td>
<td>Northern Bobwhite</td>
</tr>
<tr>
<td>Gulf Sturgeon</td>
<td>Swallow-tailed Kite</td>
</tr>
<tr>
<td>Longjaw Minnow</td>
<td>Common Ground-Dove</td>
</tr>
<tr>
<td>Flagfin Shiner</td>
<td>Red-cockaded Woodpecker</td>
</tr>
<tr>
<td>Bluenose Shiner</td>
<td>Southeastern American Kestrel</td>
</tr>
<tr>
<td>Southeastern Blue Sucker</td>
<td>Worm-eating Warbler</td>
</tr>
<tr>
<td>River Redhorse</td>
<td>Louisiana Waterthrush</td>
</tr>
<tr>
<td>Frecklebelly Madtom</td>
<td>Prothonotary Warbler</td>
</tr>
<tr>
<td>Channel Darter</td>
<td>Swainson’s Warbler</td>
</tr>
</tbody>
</table>
### b. Holmes Bayou COA

1. **Focal Habitats**

<table>
<thead>
<tr>
<th>Habitat Type</th>
<th>Characteristic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td>Intermediate Marsh</td>
</tr>
</tbody>
</table>

2. **Focal SGCN**

<table>
<thead>
<tr>
<th>Species</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gulf Crawfish</td>
<td>Southeastern Blue Sucker</td>
</tr>
<tr>
<td>Flatwoods Digger</td>
<td>River Redhorse</td>
</tr>
<tr>
<td>Gulf Sturgeon</td>
<td>Frecklebelly Madtom</td>
</tr>
<tr>
<td>Flagfin Shiner</td>
<td>Swallow-tailed Kite</td>
</tr>
<tr>
<td>Blueneose Shiner</td>
<td>West Indian Manatee</td>
</tr>
</tbody>
</table>

### c. Madisonville Marsh COA

1. **Focal Habitats**

<table>
<thead>
<tr>
<th>Habitat Type</th>
<th>Characteristic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td>Estuarine Submersed Aquatic Vegetation</td>
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<tr>
<td>Intermediate Marsh</td>
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2. **Focal SGCN**

<table>
<thead>
<tr>
<th>Species</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gulf Sturgeon</td>
<td>West Indian Manatee</td>
</tr>
</tbody>
</table>

### d. Pearl River COA

1. **Focal Habitats**

<table>
<thead>
<tr>
<th>Habitat Type</th>
<th>Characteristic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bayhead Swamp</td>
<td>Eastern Upland Longleaf Pine Woodland</td>
</tr>
<tr>
<td>Bottomland Hardwood Forest</td>
<td>Xeric Sandhill Woodland</td>
</tr>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td>Eastern Hillside Seepage Bog</td>
</tr>
<tr>
<td>Small Stream Forest</td>
<td>Sandbar</td>
</tr>
<tr>
<td>Eastern Longleaf Pine Flatwoods Savanna</td>
<td></td>
</tr>
</tbody>
</table>

2. **Focal SGCN**

<table>
<thead>
<tr>
<th>Species</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Heelsplitter</td>
<td>Ringed Map Turtle</td>
</tr>
<tr>
<td>Black Sandshell</td>
<td>Pearl River Map Turtle</td>
</tr>
<tr>
<td>Ribbon Crawfish</td>
<td>Stripe-necked Musk Turtle</td>
</tr>
<tr>
<td>Pearl Blackwater Crawfish</td>
<td>Gopher Tortoise</td>
</tr>
</tbody>
</table>
### e. Tchefuncte River-Northshore COA

1. **Focal Habitats**

<table>
<thead>
<tr>
<th>Habitat Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bayhead Swamp</td>
<td>Eastern Upland Longleaf Pine Woodland</td>
</tr>
<tr>
<td>Bottomland Hardwood Forest</td>
<td>Slash Pine-Pondcypress-Hardwood Woodland</td>
</tr>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td>Eastern Hillside Seepage Bog</td>
</tr>
<tr>
<td>Small Stream Forest</td>
<td>Intermediate Marsh</td>
</tr>
<tr>
<td>Eastern Longleaf Pine Flatwoods Savanna</td>
<td>Sandbars</td>
</tr>
</tbody>
</table>

2. **Focal SGCN**

<table>
<thead>
<tr>
<th>Species</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elephant-Ear</td>
<td>Common Ground-Dove</td>
</tr>
<tr>
<td>Gulf Crawfish</td>
<td>Red-cockaded Woodpecker</td>
</tr>
<tr>
<td>Flatwoods Digger</td>
<td>Southeastern American Kestrel</td>
</tr>
<tr>
<td>Gulf Sturgeon</td>
<td>Prothonotary Warbler</td>
</tr>
<tr>
<td>Flagfin Shiner</td>
<td>Swainson’s Warbler</td>
</tr>
<tr>
<td>Dusky Gopher Frog</td>
<td>Bachman’s Sparrow</td>
</tr>
<tr>
<td>Gopher Tortoise</td>
<td>Henslow’s Sparrow</td>
</tr>
<tr>
<td>Northern Bobwhite</td>
<td>West Indian Manatee</td>
</tr>
<tr>
<td>Swallow-tailed Kite</td>
<td></td>
</tr>
</tbody>
</table>

### f. Tickfaw-Tangipahoa COA

1. **Focal Habitats**

<table>
<thead>
<tr>
<th>Habitat Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td>Eastern Longleaf Pine Flatwoods Savanna</td>
</tr>
<tr>
<td>Small Stream Forest</td>
<td>Eastern Upland Longleaf Pine Woodland</td>
</tr>
<tr>
<td>Spruce-Pine Hardwood Flatwoods</td>
<td>Shortleaf Pine-Oak-Hickory Woodland</td>
</tr>
</tbody>
</table>

2. **Focal SGCN**

<table>
<thead>
<tr>
<th>Species</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Florida Harvester Ant</td>
<td>Red-cockaded Woodpecker</td>
</tr>
<tr>
<td>Gulf Sturgeon</td>
<td>Southeastern American Kestrel</td>
</tr>
<tr>
<td>Broadstripe Topminnow</td>
<td>Prothonotary Warbler</td>
</tr>
<tr>
<td>Gopher Tortoise</td>
<td>Swainson’s Warbler</td>
</tr>
<tr>
<td>Northern Bobwhite</td>
<td>Bachman’s Sparrow</td>
</tr>
<tr>
<td>Common Ground-Dove</td>
<td></td>
</tr>
</tbody>
</table>
g. Upper Amite River COA

1. Focal Habitats

| Bottomland Hardwood Forest | Southern Mesophytic Forest |
| Small Stream Forest        | Shortleaf Pine-Oak-Hickory Woodland |

2. Focal SGCN

| Inflated Heelsplitter         | Common Rainbow Snake          |
| Flagfin Shiner               | Northern Bobwhite             |
| Gulf Logperch                | Worm-eating Warbler           |
| Four-toed Salamander         | Louisiana Waterthrush          |
| Eastern Spadefoot            |                               |
2. Gulf Coast Prairies and Marshes Ecoregion COAs

There are six COAs in the Gulf Coast Prairies and Marshes ecoregion (GCPM, Fig. 8.4 and 8.5), one of which is a Tier 1 COA. The majority of the COAs in this ecoregion include a unique or restricted habitat and are critical for the conservation of that habitat. This ecoregion’s COAs include some of Louisiana’s most unique and valuable natural communities, despite the fact that most are Tier 2. Among the most critical conservation needs in this ecoregion is the protection and restoration of rare and restricted habitats such as Barrier Islands, Coastal Prairies, and Cheniers.

Priority Conservation Needs/Actions

- Land protection/acquisition/management, particularly of Coastal Prairie and Cheniers
- Coastal Prairie restoration
- Barrier Island restoration
- Chenier restoration/creation
- Beneficial use of dredge material
- Marine Seagrass Bed conservation/restoration

Key Conservation Partners

- Barataria-Terrebonne National Estuary Program (BTNEP)
- Coastal Plain Conservancy
- Coastal Prairie Partnership
- Coastal Protection and Restoration Authority (CPRA)
- Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA)
- Ducks Unlimited (DU)
- U.S. Environmental Protection Agency (EPA)
- Gulf Coast Joint Venture (GCJV)
- Gulf Coast Prairie Landscape Conservation Cooperative (GCPLCC)
- Longleaf Alliance
- LDNR
- Louisiana Environmental Research Center
- Louisiana Native Plant Society (LNPS)
- National Audubon Society/Louisiana Audubon
- TNC
- USACE
- USFWS
- USGS
- Wetland Mitigation Bank Sponsors & IRT
Figure 8.4 – COAs in the Eastern GCPM Ecoregion

a. Barataria-Terrebonne COA

1. Focal Habitats

<table>
<thead>
<tr>
<th>Barrier Island Live Oak Forest</th>
<th>Louisiana Beach</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coastal Live Oak-Hackberry Forest</td>
<td>Salt Marsh</td>
</tr>
<tr>
<td>Coastal Mangrove-Marsh-Shrubland</td>
<td>Barrier Island</td>
</tr>
<tr>
<td>Coastal Dune Shrub Thicket</td>
<td></td>
</tr>
</tbody>
</table>

2. Focal SGCN

| Louisiana Eyed Silkmoth           | Black Skimmer            |
| Diamond Killifish                 | Chuck-will’s-widow       |
| Bayou Killifish                   | Yellow-throated Vireo    |
| Kemp’s Ridley Sea Turtle          | Warbling Vireo           |
| Mississippi Diamond-backed Terrapin | Wood Thrush              |
| Eastern Glass Lizard              | Worm-eating Warbler      |
| Gulf Saltmarsh Snake              | Louisiana Waterthrush    |
| Mottled Duck                      | Golden-winged Warbler    |
| Brown Pelican                     | Prothonotary Warbler     |
| Reddish Egret                     | Swainson’s Warbler       |
| Snowy Plover                      | Kentucky Warbler         |
| Wilson’s Plover                   | Hooded Warbler           |
| Piping Plover                     | Cerulean Warbler         |
American Oystercatcher  Prairie Warbler
Red Knot  Yellow-throated Warbler
Coastal Least Tern  Nelson’s Sparrow
Forster’s Tern  Seaside Sparrow
Royal Tern  Painted Bunting
Sandwich Tern  Dickcissel

b. Chandeleurs COA

1. Focal Habitats

| Coastal Mangrove-Marsh-Shrublands | Marine Seagrass Bed |
| Louisiana Beach                   | Barrier Island      |

2. Focal SGCN

| Bay Scallop                     | Snowy Plover        |
| Sawtooth Penshell               | Wilson’s Plover     |
| Half-naked Penshell             | Piping Plover       |
| Channeled Whelk                | American Oystercatcher |
| Lightning Whelk                | Red Knot            |
| Gulf Sturgeon                  | Sooty Tern          |
| Lemon Shark                    | Gull-billed Tern    |
| Loggerhead Sea Turtle          | Caspian Tern        |
| Kemp’s Ridley Sea Turtle       | Common Tern         |
| Redhead                        | Black Skimmer       |
| Brown Pelican                  | West Indian Manatee |
| Reddish Egret                  |                     |

c. Little Lake COA

1. Focal Habitats

| Intermediate Marsh | Salt Marsh |

2. Focal SGCN

| Saltmarsh Topminnow | Seaside Sparrow |
| Mottled Duck        | West Indian Manatee |
| Nelson’s Sparrow    |                 |
d. Calcasieu Prairie & Sabine Prairie COAs

1. Focal Habitat

| Coastal Prairie | Prairie Pothole |

2. Focal SGCN

<table>
<thead>
<tr>
<th>Celia’s Roadside Skipper</th>
<th>Hudsonian Godwit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Old Prairie Digger</td>
<td>Buff-breasted Sandpiper</td>
</tr>
<tr>
<td>Southern Crawfish Frog</td>
<td>Short-eared Owl</td>
</tr>
<tr>
<td>Ornate Box Turtle</td>
<td>Crested Caracara</td>
</tr>
<tr>
<td>Mottled Duck</td>
<td>Loggerhead Shrike</td>
</tr>
<tr>
<td>Northern Bobwhite</td>
<td>Sprague’s Pipit</td>
</tr>
<tr>
<td>American Bittern</td>
<td>Grasshopper Sparrow</td>
</tr>
<tr>
<td>White-tailed Kite</td>
<td>Le Conte’s Sparrow</td>
</tr>
<tr>
<td>Yellow Rail</td>
<td>Nelson’s Sparrow</td>
</tr>
<tr>
<td>King Rail</td>
<td>Dickcissel</td>
</tr>
<tr>
<td>Sandhill Crane</td>
<td>Eastern Spotted Skunk</td>
</tr>
<tr>
<td>Upland Sandpiper</td>
<td></td>
</tr>
</tbody>
</table>
e. Chenier COA

1. Focal Habitat

| Coastal Live Oak-Hackberry Forest |

2. Focal SGCN

| Celia’s Roadside Skipper | Prothonotary Warbler |
| Falcate Orangetip | Swainson’s Warbler |
| Western Slender Glass Lizard | Kentucky Warbler |
| Chuck-Will’s-Widow | Hooded Warbler |
| Yellow-throated Vireo | Cerulean Warbler |
| Warbling Vireo | Prairie Warbler |
| Wood Thrush | Yellow-throated Warbler |
| Worm-eating Warbler | Painted Bunting |
| Louisiana Waterthrush | Dickcissel |
| Golden-winged Warbler |
3. West Gulf Coastal Plain Ecoregion COAs

There are eight COAs in the West Gulf Coastal Plain ecoregion (WGCP, Fig. 8.6), four of which are Tier 1 COAs. Many of the COAs in this ecoregion have a large open-pine habitat component and are important for some of the most critically imperiled SGCN in the state, such as the Louisiana Pinesnake and Red-cockaded Woodpecker. Proper management of Longleaf Pine habitats, including the appropriately timed application of prescribed fire, is vital to the conservation of SGCN in this ecoregion.

Priority Conservation Needs/Actions

- Land protection/acquisition/management, particularly of Longleaf and Shortleaf Pine habitats
- Prescribed burning initiatives for private and public lands
- Sandbar conservation and restoration
- Maintenance of in-stream flow at adequate levels for aquatic SGCN
- Streamside zone management and riparian habitat restoration
- Longleaf and Shortleaf Pine restoration and management

Key Conservation Partners

- Coastal Plain Conservancy
- Department of Defense (DOD - Ft. Polk)
- GCPOLCC
- Longleaf Alliance
- LDAF
- LDEQ
- LFA
- LOSP
- Lower Mississippi Valley Joint Venture (LMVJV)
- NWTF
- Sabine River Authority (SRA)
- Texas-Louisiana Longleaf Taskforce
- Texas Parks and Wildlife Department (TPWD)
- TNC
- TIMOs
- United States Forest Service (USFS)
- USFWS
- West Gulf Coast Longleaf Ecosystem Partnership
- Wetland Mitigation Bank Sponsors and IRT
Figure 8.6 – COAs in the WGCP Ecoregion

a. Bayou Toro COA

1. Focal Habitats

<table>
<thead>
<tr>
<th>Bayhead Swamp</th>
<th>Hardwood Slope Forest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Western Upland</td>
<td>Longleaf Pine Woodland</td>
</tr>
<tr>
<td>Xeric Sandhill Woodland</td>
<td></td>
</tr>
</tbody>
</table>

2. Focal SGCN

<table>
<thead>
<tr>
<th>Texas Heelsplitter</th>
<th>Bigscale Logperch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Texas Brown Tarantula</td>
<td>Northern Bobwhite</td>
</tr>
<tr>
<td>Southwestern Creek Crawfish</td>
<td>Chuck-will’s-widow</td>
</tr>
<tr>
<td>Suckermouth Minnow</td>
<td>Bachman’s Sparrow</td>
</tr>
<tr>
<td>Western Sand Darter</td>
<td>Hispid Pocket Mouse</td>
</tr>
</tbody>
</table>

b. Calcasieu River COA

1. Focal Habitats

<table>
<thead>
<tr>
<th>Bayhead Swamp</th>
<th>Western Upland Longleaf Pine Woodland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardwood Slope Forest</td>
<td>Western Hillside Seepage Bog</td>
</tr>
</tbody>
</table>
## Small Stream Forest

<table>
<thead>
<tr>
<th>Focal SGCN</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow Brachycercus Mayfly</td>
<td>Red-cockaded Woodpecker</td>
</tr>
<tr>
<td>Calcasieu Painted Crawfish</td>
<td>White-breasted Nuthatch</td>
</tr>
<tr>
<td>Gumbo Darter</td>
<td>Worm-eating Warbler</td>
</tr>
<tr>
<td>Bigscale Logperch</td>
<td>Louisiana Waterthrush</td>
</tr>
<tr>
<td>Louisiana Pinesnake</td>
<td>Prairie Warbler</td>
</tr>
<tr>
<td>Northern Bobwhite</td>
<td>Bachman’s Sparrow</td>
</tr>
<tr>
<td>Greater Roadrunner</td>
<td>Henslow’s Sparrow</td>
</tr>
<tr>
<td>Chuck-will’s-Widow</td>
<td>Hispid Pocket Mouse</td>
</tr>
</tbody>
</table>

## Western Longleaf Pine Flatwoods Savanna

<table>
<thead>
<tr>
<th>Focal SGCN</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow Brachycercus Mayfly</td>
<td>Red-cockaded Woodpecker</td>
</tr>
<tr>
<td>Calcasieu Painted Crawfish</td>
<td>White-breasted Nuthatch</td>
</tr>
<tr>
<td>Gumbo Darter</td>
<td>Worm-eating Warbler</td>
</tr>
<tr>
<td>Bigscale Logperch</td>
<td>Louisiana Waterthrush</td>
</tr>
<tr>
<td>Louisiana Pinesnake</td>
<td>Prairie Warbler</td>
</tr>
<tr>
<td>Northern Bobwhite</td>
<td>Bachman’s Sparrow</td>
</tr>
<tr>
<td>Greater Roadrunner</td>
<td>Henslow’s Sparrow</td>
</tr>
<tr>
<td>Chuck-will’s-Widow</td>
<td>Hispid Pocket Mouse</td>
</tr>
</tbody>
</table>

## Dugdemona River COA

### 1. Focal Habitats

<table>
<thead>
<tr>
<th>Focal SGCN</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bayhead Swamp</td>
<td>Xeric Sandhill Woodland</td>
</tr>
<tr>
<td>Calcareous Forest</td>
<td>Calcareous Prairie</td>
</tr>
<tr>
<td>Shortleaf Pine-Oak-Hickory Woodland</td>
<td>Saline Prairie</td>
</tr>
<tr>
<td>Western Upland Longleaf Pine Woodland</td>
<td></td>
</tr>
</tbody>
</table>

### 2. Focal SGCN

<table>
<thead>
<tr>
<th>Focal SGCN</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Texas Brown Tarantula</td>
<td>White-breasted Nuthatch</td>
</tr>
<tr>
<td>Comanche Harvester Ant</td>
<td>Worm-eating Warbler</td>
</tr>
<tr>
<td>Ouachita Fencing Crawfish</td>
<td>Louisiana Waterthrush</td>
</tr>
<tr>
<td>Pine Hills Digger</td>
<td>Prairie Warbler</td>
</tr>
<tr>
<td>Louisiana Pinesnake</td>
<td>Lark Sparrow</td>
</tr>
<tr>
<td>Northern Bobwhite</td>
<td>Bachman’s Sparrow</td>
</tr>
<tr>
<td>Greater Roadrunner</td>
<td>Northern Long-eared Bat</td>
</tr>
<tr>
<td>Chuck-will’s-Widow</td>
<td>Ringtail</td>
</tr>
<tr>
<td>Red-cockaded Woodpecker</td>
<td></td>
</tr>
</tbody>
</table>

## Kisatchie Bayou – Anacoco COA

### 1. Focal Habitats

<table>
<thead>
<tr>
<th>Focal SGCN</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcareous Forest</td>
<td>Xeric Sandhill Woodland</td>
</tr>
<tr>
<td>Bayhead Swamp</td>
<td>Calcareous Prairie</td>
</tr>
<tr>
<td>Hardwood Slope Forest</td>
<td>Sandstone Glade</td>
</tr>
<tr>
<td>Mixed Hardwood-Loblolly Pine Forest</td>
<td>Western Hillside Seepage Bog</td>
</tr>
<tr>
<td>Western Upland Longleaf Pine Woodland</td>
<td></td>
</tr>
</tbody>
</table>

### 2. Focal SGCN

<table>
<thead>
<tr>
<th>Focal SGCN</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Texas Heelsplitter</td>
<td>Chuck-will’s-widow</td>
</tr>
<tr>
<td>Kisatchie Painted Crawfish</td>
<td>Red-cockaded Woodpecker</td>
</tr>
</tbody>
</table>
e. LaSalle COA

1. Focal Habitats

| Mixed Hardwood-Loblolly Pine Forest | Western Upland Longleaf Pine Woodland |
| Small Stream Forest                 | Sandstone Glade                        |

2. Focal SGCN

| Ouachita Fencing Crawfish           | Chuck-will’s-widow                   |
| Redspot Darter                     | Bachman’s Sparrow                    |
| Red-cockaded Woodpecker            | Henslow’s Sparrow                    |
| Northern Bobwhite                  | Northern Long-eared Bat              |

f. Sabine River COA

1. Focal Habitats

| Bottomland Hardwood Forest         | Western Upland Longleaf Pine Woodland |
| Cypress-Tupelo-Blackgum Swamp      | Western Hillside Seepage Bog          |
| Western Longleaf Pine Flatwoods Savanna | WGCP Flatwoods Pond               |

2. Focal SGCN

| Southwestern Creek Crawfish        | Sabine Map Turtle                    |
| Pine Hills Digger                 | Northern Bobwhite                    |
| Paddlefish                        | Swallow-tailed Kite                  |
| Suckermouth Minnow                | Greater Roadrunner                   |
| Gumbo Darter                      | Prothonotary Warbler                 |
| Bigscale Logperch                 | Swainson’s Warbler                   |

g. Saline Lake COA

1. Focal Habitats

| Calcareous Forest                 | Xeric Sandhill Woodland              |
| Cypress-Tupelo-Blackgum Swamp     | Calcareous Prairie                   |
Mixed Hardwood-Loblolly Pine Woodland | Saline Prairie
Western Upland Longleaf Pine Woodland

2. **Focal SGCN**

| Texas Brown Tarantula       | White-breasted Nuthatch |
| Texas Emerald               | Bachman’s Sparrow       |
| Streaker’s Giant Skipper    | Grasshopper Sparrow     |
| Northern Bobwhite           | Henslow’s Sparrow       |
| Chuck-will’s-widow          | Northern Long-eared Bat |
| Red-cockaded Woodpecker     |                         |

**h. St. Maurice COA**

1. **Focal Habitats**

| Bottomland Hardwood Forest | Western Upland Longleaf Pine Woodland |
| Mixed-Hardwood Loblolly Pine Woodland |

2. **Focal SGCN**

| Texas Emerald               | Northern Bobwhite       |
| Yucca Giant Skipper         | Chuck-will’s-widow      |
| Redspot Darter              | Bachman’s Sparrow       |
| Pine Hills Digger           | Henslow’s Sparrow       |
4. Upper West Gulf Coastal Plain Ecoregion COAs

There are 6 COAs within the Upper West Gulf Coastal Plain ecoregion (UWGCP, Fig. 8.7), all of which are Tier 2. Despite the lack of Tier 1 COAs, this area of Louisiana is of great importance to many SGCN, including such restricted distribution species as Louisiana Pinesnake, Smith’s Longspur, Grasshopper Sparrow, Bell’s Vireo, Interior Least Tern, and Southern Crawfish Frog. Additionally, Saline Prairie, which is a critically imperiled natural community, is found largely within this ecoregion. Primary threats to SGCN and natural communities in this ecoregion include urbanization and industrial development.

Priority Conservation Needs/Actions

- Streamside management zones and riparian restoration and conservation
- Maintenance of in-stream flow at adequate levels for aquatic SGCN
- Prescribed burning initiatives for public and private lands
- Land protection/acquisition/management, including Saline Prairie, Calcareous Prairie, and Longleaf and Shortleaf Pine habitats
- Sandbar conservation and restoration
- Grassland restoration and management

Key Conservation Partners

- Arkansas Game and Fish Commission (AGFC)
- Arkansas Natural Heritage Commission (ANHC)
- DOD
- GCPOLCC
- Longleaf Alliance
- LDAF
- LDEQ
- LFA
- Louisiana National Guard
- LMVJV
- NWTF
- Texas-Louisiana Longleaf Taskforce
- TNC
- TPWD
- TIMOs
- USACE
- USFS
- USFWS
a. Bodcau COA

1. Focal Habitats

<table>
<thead>
<tr>
<th>Bayhead Swamp</th>
<th>Hardwood Flatwoods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottomland Hardwood Forest</td>
<td>Shortleaf Pine-Oak-Hickory Woodland</td>
</tr>
<tr>
<td>Calcareous Forest</td>
<td>Calcareous Prairie</td>
</tr>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td></td>
</tr>
</tbody>
</table>

2. Focal SGCN

<table>
<thead>
<tr>
<th>Comanche Harvester Ant</th>
<th>Chuck-will’s-widow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southern Crawfish Frog</td>
<td>Red-cockaded Woodpecker</td>
</tr>
<tr>
<td>Alligator Snapping Turtle</td>
<td>Lark Sparrow</td>
</tr>
<tr>
<td>Northern Bobwhite</td>
<td>Bachman’s Sparrow</td>
</tr>
<tr>
<td>Greater Roadrunner</td>
<td>Henslow’s Sparrow</td>
</tr>
</tbody>
</table>
### b. Boggy Bayou COA

#### 1. Focal Habitats

<table>
<thead>
<tr>
<th>Habitat Type</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardwood Flatwoods</td>
<td>Small Stream Forest</td>
</tr>
<tr>
<td>Hardwood Slope Forest</td>
<td>Shortleaf Pine-Oak-Hickory Woodland</td>
</tr>
<tr>
<td>Mixed Hardwood-Loblolly Pine Forest</td>
<td>Saline Prairie</td>
</tr>
</tbody>
</table>

#### 2. Focal SGCN

<table>
<thead>
<tr>
<th>Species</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sabine Fencing Crawfish</td>
<td>Sabine Fencing Crawfish</td>
</tr>
<tr>
<td>Western Sand Darter</td>
<td>Western Sand Darter</td>
</tr>
<tr>
<td>Greater Roadrunner</td>
<td>Greater Roadrunner</td>
</tr>
</tbody>
</table>

### c. Caddo-Bossier COA

#### 1. Focal Habitats

<table>
<thead>
<tr>
<th>Habitat Type</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batture</td>
<td>Batture</td>
</tr>
<tr>
<td>Bottomland Hardwood Forest</td>
<td>Bottomland Hardwood Forest</td>
</tr>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td>Cypress-Tupelo-Blackgum Swamp</td>
</tr>
<tr>
<td>Hardwood Slope Forest</td>
<td>Hardwood Slope Forest</td>
</tr>
<tr>
<td>Mixed Hardwood-Loblolly Pine Forest</td>
<td>Mixed Hardwood-Loblolly Pine Forest</td>
</tr>
</tbody>
</table>

#### 2. Focal SGCN

<table>
<thead>
<tr>
<th>Species</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Caddo Chimney Crawfish</td>
<td>Caddo Chimney Crawfish</td>
</tr>
<tr>
<td>Shovelnose Sturgeon</td>
<td>Shovelnose Sturgeon</td>
</tr>
<tr>
<td>Chub Shiner</td>
<td>Chub Shiner</td>
</tr>
<tr>
<td>Bluehead Shiner</td>
<td>Bluehead Shiner</td>
</tr>
<tr>
<td>Blue Sucker</td>
<td>Blue Sucker</td>
</tr>
<tr>
<td>Strecker’s Chorus Frog</td>
<td>Strecker’s Chorus Frog</td>
</tr>
<tr>
<td>Southern Crawfish Frog</td>
<td>Southern Crawfish Frog</td>
</tr>
<tr>
<td>Southern Prairie Skink</td>
<td>Southern Prairie Skink</td>
</tr>
</tbody>
</table>

### d. Kepler COA

#### 1. Focal Habitats

<table>
<thead>
<tr>
<th>Habitat Type</th>
<th>Habitat Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bayhead Swamp</td>
<td>Bayhead Swamp</td>
</tr>
<tr>
<td>Bottomland Hardwood Forest</td>
<td>Bottomland Hardwood Forest</td>
</tr>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td>Cypress-Tupelo-Blackgum Swamp</td>
</tr>
<tr>
<td>Hardwood Flatwoods</td>
<td>Hardwood Flatwoods</td>
</tr>
</tbody>
</table>

#### 2. Focal SGCN

<table>
<thead>
<tr>
<th>Species</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Louisiana Pinesnake</td>
<td>Louisiana Pinesnake</td>
</tr>
<tr>
<td>Bachman’s Sparrow</td>
<td>Bachman’s Sparrow</td>
</tr>
</tbody>
</table>
Northern Bobwhite  Lark Sparrow
Greater Roadrunner  Henslow’s Sparrow
Chuck-will’s-widow  Ringtail
Red-cockaded Woodpecker

**e. Red River COA**

1. **Focal Habitats**

<table>
<thead>
<tr>
<th>Batture</th>
<th>Sandbar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottomland Hardwood Forest</td>
<td>Oxbow</td>
</tr>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td></td>
</tr>
</tbody>
</table>

2. **Focal SGCN**

<table>
<thead>
<tr>
<th>Pallid Sturgeon</th>
<th>Bell’s Vireo</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shovelnose Sturgeon</td>
<td>Warbling Vireo</td>
</tr>
<tr>
<td>Interior Least Tern</td>
<td></td>
</tr>
</tbody>
</table>

**f. Union COA**

1. **Focal Habitats**

<table>
<thead>
<tr>
<th>Bayhead Swamp</th>
<th>Shortleaf Pine-Oak-Hickory Woodland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottomland Hardwood Forest</td>
<td>Xeric Sandhill Woodland</td>
</tr>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td></td>
</tr>
</tbody>
</table>

2. **Focal SGCN**

<table>
<thead>
<tr>
<th>Vernal Crawfish</th>
<th>Greater Roadrunner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elegant Creek Crawfish</td>
<td>Chuck-will’s-widow</td>
</tr>
<tr>
<td>Pine Hills Digger</td>
<td>Red-cockaded Woodpecker</td>
</tr>
<tr>
<td>Steelear Shiner</td>
<td>Bachman’s Sparrow</td>
</tr>
<tr>
<td>Northern Bobwhite</td>
<td>Henslow’s Sparrow</td>
</tr>
</tbody>
</table>
5. Mississippi River Alluvial Plain Ecoregion COAs

There are three COAs within the Mississippi River Alluvial Plain ecoregion (MRAP, Fig. 8.8 and 8.9), two of which are Tier 1 COAs. Many SGCN, particularly freshwater mussels, are found only in this ecoregion. Conservation priorities in this area are largely focused on aquatic systems and species. A large portion of the landscape in this ecoregion has been converted for agriculture and therefore habitat restoration and soil conservation are of high priority.

Priority Conservation Needs/Actions

- Land protection/acquisition/management (including Hardwood Flatwoods)
- Soil conservation practices
- Streamside zone management and riparian habitat restoration
- Hydrological restoration of forested wetlands
- Maintenance of in-stream flow at adequate levels for aquatic SGCN

Key Conservation Partners

- AGFC
- ANHC
- DU
- GCPOLCC
- LDAF
- LDEQ
- LFA
- LOSP
- Louisiana-Mississippi Conservation Delivery Network (LMCDN)
- LMVJV
- MDWFP
- TNC
- USACE
- USDA NRCS
- USFWS
Figure 8.8 – COAs in the Southern MRAP Ecoregion
a. Tunica COA

1. Focal Habitats

<table>
<thead>
<tr>
<th>Batture</th>
<th>Southern Mesophytic Forest</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottomland Hardwood Forest</td>
<td>Sandbar</td>
</tr>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
<td></td>
</tr>
</tbody>
</table>

2. Focal SGCN

<table>
<thead>
<tr>
<th>Southern Unstriped Scorpion</th>
<th>Rainbow Darter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pallid Sturgeon</td>
<td>Interior Least Tern</td>
</tr>
<tr>
<td>Shovelnose Sturgeon</td>
<td>Worm-eating Warbler</td>
</tr>
<tr>
<td>Central Stoneroller</td>
<td>Louisiana Waterthrush</td>
</tr>
<tr>
<td>Bluntface Shiner</td>
<td>Prothonotary Warbler</td>
</tr>
<tr>
<td>Sturgeon Chub</td>
<td>Swainson’s Warbler</td>
</tr>
<tr>
<td>Sicklefin Chub</td>
<td>Rusty Blackbird</td>
</tr>
<tr>
<td>Club Shiner</td>
<td>Eastern Chipmunk</td>
</tr>
</tbody>
</table>
b. Ouachita COA

1. Focal Habitats

<table>
<thead>
<tr>
<th>Bottomland Hardwood Forest</th>
<th>Mixed Hardwood-Loblolly Pine Forest</th>
</tr>
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<tbody>
<tr>
<td>Cypress-Tupelo-Blackgum Swamp</td>
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</tr>
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2. Focal SGCN

<table>
<thead>
<tr>
<th>Butterfly</th>
<th>Bluehead Shiner</th>
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<tbody>
<tr>
<td>Spike</td>
<td>Channel Darter</td>
</tr>
<tr>
<td>Ebonyshell</td>
<td>Alligator Snapping Turtle</td>
</tr>
<tr>
<td>Pink Mucket</td>
<td>Ouachita Map Turtle</td>
</tr>
<tr>
<td>Plain Pocketbook</td>
<td>Western Chicken Turtle</td>
</tr>
<tr>
<td>Fatmucket</td>
<td>American Woodcock</td>
</tr>
<tr>
<td>Black Sandshell</td>
<td>Chuck-will’s-widow</td>
</tr>
<tr>
<td>Hickorynut</td>
<td>Chimney Swift</td>
</tr>
<tr>
<td>Pyramid Pigtoe</td>
<td>Red-cockaded Woodpecker</td>
</tr>
<tr>
<td>Ouachita Kidneysshell</td>
<td>Prothonotary Warbler</td>
</tr>
<tr>
<td>Rabbitsfoot</td>
<td>Swainson’s Warbler</td>
</tr>
<tr>
<td>Monkeyface</td>
<td>Dickcissel</td>
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<tr>
<td>Vernal Crawfish</td>
<td>Rusty Blackbird</td>
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<tr>
<td>Elegant Creek Crawfish</td>
<td>Oak Ridge Pocket Gopher</td>
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<tr>
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c. Richland-Franklin COA

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