

# Coosa - Warrior Relicensing



**E6 Issue Action Group TE&S Species**

# E6 Issue Action Group TE&S Species

A bald eagle is perched on a branch, looking down. The eagle's head is turned towards the right, and its beak is slightly open. The background is a clear blue sky with some bare tree branches visible.

## Issue Statement

WE6 & CE6 -What is the effect of project operations on Threatened, Endangered, and Sensitive species (aquatic and terrestrial) that inhabit the project study area?

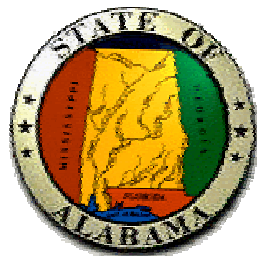
## Tasks and Responsibilities

Develop a list and status of TE&S species within the Coosa and Warrior Basins.

# E6 Issue Action Group TE&S Species

## Members

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# E6 Issue Action Group TE&S Species

## Tasks

- **Task 1**      **Produce a list of TE&S Species for the Coosa and Warrior Basins; subdivided by county and effected project area**
- **Task 2**      **Provide the status of each species: Federal, State, and Global Rank**
- **Task 3**      **Determine if there are existing recovery plans for identified species**
- **Task 4**      **Identify other sources of information as needed**
- **Task 5**      **Provide information and recommendations to the EcoRAT and WCRT**



# E6 Issue Action Group TE&S Species

## Schedule

Meeting 1	Kickoff Meeting - August 7, 2001
Meeting 2	Discuss results of Tasks 1 & 2 - September 4, 2001
Meeting 3	Update EcoRAT and WCRT at September Meetings
Meeting 4	Discuss results of Task 3 - end of September 2001
Meeting 5	Discuss Task 4 - mid October 2001
Meeting 6	Finalize recommendations for EcoRAT and WCRT - end of October 2001





# E6 IAG August 7, 2001 Conference Call Meeting

- Discussed the IAG's Primary Responsibilities
- Reviewed Draft Work Plan
- Flattened Musk Turtle
- Assigned action items

Internet Action Group: E6 Sensitive, Threatened, and Endangered Species  
Warrior and Conservation Projects Combined

**E6 IAG WORK PLAN**

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**Issue Statement**  
WE6 & CE6 Threatened & Endangered Species (T&E) – Effect of project operations on threatened, endangered, or sensitive species (aquatic and terrestrial) that inhibit the project study area.



# E6 IAG September 4, 2001 Conference Call Meeting

- Reviewed Information Prepared to Date
  - Discussed discrepancies in data base
- Discussed next steps for finalizing the TE&S Database
- Discussed presentation for September EcoRAT and WCRT Meetings

# E6 IAG September 11 & 12, 2001

## EcoRAT & WCRT Meetings

### IAG E6 Progress Report

#### Review Task 1

- TE&S Species list for Coosa and Warrior Basins

#### Review Task 2

- Federal and State status, Global Rank review



# TE&S Definitions

## Federal Status

**According to the Federal Endangered Species Act of 1973, the following definitions apply to Threatened and Endangered Species:**

- **Threatened-** any species which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range.
- **Endangered-** any species which is in danger of extinction throughout all or a significant portion of its range.

## United States Forest Service - Sensitive Species:

**Sensitive Species** are those identified by the Forest Service for which they have determined a downward trend in the population and its habitat and are concerned about its continued existence. This list is to serve as an "early warning" for species which are declining to enable the Forest Service to take actions to promote conservation and avoid listing.

# TE&S Definitions

## Alabama State Status

### **Alabama Department of Conservation & Natural Resources**

- **State Protected- species with a state protected status are protected by the Nongame Species Regulation (Section 220-2.92, page 73-75)**

# TE&S Definitions

## Heritage Ranking System - Global Rank:

- G1 = Critically imperiled globally because of extreme rarity (5 or fewer known extant populations) or because of some factor(s) making it especially vulnerable to extinction.
- G2 = Imperiled globally because of rarity (6 to 20 known extant populations) or because of some factor(s) making it very vulnerable to extinction throughout its range.
- G3 = Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range (e.g., a single physiographic region) or because of other factors making it vulnerable to extinction throughout its range (21 to 100 known extant populations).
- G4 = Apparently secure globally, though it may be quite rare in parts of its range, especially at the periphery (100-1000 known extant populations).
- G5 = Demonstrably secure globally, although it may be quite rare in parts of its range, especially at the periphery (1000+ known extant populations).

# E6 IAG TE&S Species Task 1

## TE&S Species list for Coosa and Warrior Basins

### Contributors:

- United States Fish and Wildlife Service
- Alabama Heritage Program
- Alabama State Lands Division
- United States Forest Service

A	B	C	D	E	F	
Common Name	Genus	Species	Subspecies	Endstatus	Statestatus	
1						
2	Alabama cascade pitcher plant	Sarracenia	rubra	alabamensis	Endangered	near
3	Alabama cascade pitcher plant	Sarracenia	rubra	alabamensis	Endangered	near
4	Alabama cascade pitcher plant	Sarracenia	rubra	alabamensis	Endangered	near
5	Alabama cascade pitcher plant	Sarracenia	rubra	alabamensis	Endangered	near
6	Alabama leafier flower	Chorizanthe	scutellata		Endangered	near
7	Alabama leafier flower	Chorizanthe	scutellata		Endangered	near
8	Alabama leafier flower	Chorizanthe	scutellata		Endangered	near
9	Alabama leafier flower	Chorizanthe	scutellata		Endangered	near
10	Alabama leafier flower	Chorizanthe	scutellata		Endangered	near
11	Alabama soap turtle	Graptemys	pubera		near	SP
12	Alabama soap turtle	Graptemys	pubera		near	SP
13	Alabama soap turtle	Graptemys	pubera		near	SP
14	Alabama soap turtle	Graptemys	pubera		near	SP
15	Alabama soap turtle	Graptemys	pubera		near	SP
16	Alabama soap turtle	Graptemys	pubera		near	SP
17	Alabama soap turtle	Graptemys	pubera		near	SP
18	Alabama soap turtle	Graptemys	pubera		near	SP
19	Alabama soap turtle	Graptemys	pubera		near	SP
20	Alabama soap turtle	Graptemys	pubera		near	SP
21	Alabama soap turtle	Graptemys	pubera		near	SP
22	Alabama rose turtle	Graptemys	pubera		near	SP

A	B	C	D	E	F	
Common Name	Genus	Species	Subspecies	Endstatus	Statestatus	
32	Green salamander	Ambystoma	opacum		near	SP
73	Hesperella	Pleurobema	redburni		Endangered	near
74	Hesperella	Pleurobema	redburni		Endangered	near
75	Holiday darter	Etheostoma	brimleyorum		near	SP
76	Holiday darter	Etheostoma	brimleyorum		near	SP
77	Indiana bat	Myotis	scutellata		Endangered	SP
78	Indiana bat	Myotis	scutellata		Endangered	SP
79	Kraf's waterplantain	Sagittaria	scandelliana		Threatened	near
80	Kraf's waterplantain	Sagittaria	scandelliana		Threatened	near
81	Leafy green olive	Eleocharis	acicularis		Threatened	SP
82	Leafy green olive	Eleocharis	acicularis		Threatened	SP
83	Mohr's Barbara's bottom	Marshallia	rubra		Threatened	near
84	Mohr's Barbara's bottom	Marshallia	rubra		Threatened	near
85	Mohr's Barbara's bottom	Marshallia	rubra		Threatened	near
86	Orange-spine reed bed	Lyngbya	peruviana		Threatened	SP
87	Orange-spine reed bed	Lyngbya	peruviana		Threatened	SP
88	Daguer	Panicum	indianum		near	SP
89	Dwite slatshell mussel	Pleurobema	peruviana		Endangered	SP
90	Dwite slatshell mussel	Pleurobema	peruviana		Endangered	SP
91	Dwite slatshell mussel	Pleurobema	peruviana		Endangered	SP

# E6 IAG TE&S Species Task 2

Federal, State, and Global Rank status review

Adobe Acrobat - [E6 IAG Specie List - report view - 8-27-01.pdf]

*E6 IAG Threatened and Endangered Species List*

**Alabama canebreak pitcher plant**

Genus	Species	Subspecies	Federal Status	State Status	Global Rank	County	Basin
Sarracenia	rubra	alabamensis	Endangered	none	G3T1T2	Autauga	Alabama
						Chilton	Cocosa
						Etowah	Cocosa
						Autauga	Cocosa

**Alabama leather flower**

Genus	Species	Subspecies	Federal Status	State Status	Global Rank	County	Basin
Demissa	socialis		Endangered	none	G1	Cherokee	Cocosa
						St. Clair	Warrior
							Cocosa
						Etowah	Warrior
							Cocosa

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**Next Steps...**

# E6 IAG TE&S Species Task 3



Collection of existing Recovery Plans

Identify other Data Base needs

GeoSpatial Data Opportunities



## E6 IAG Geo-Spatial Reference

- Location information from AHP and from APC will be added to the GIS Data base
- Location information will not be exact due to the sensitivity of this information
- Location information will be updated during the relicense process as additional information is available.