



Berry H. (Nick) Tew, Jr.
State Geologist

Critical Habitat Units for Threatened and Endangered Mussels in the Mobile River Basin

Prepared in cooperation with:

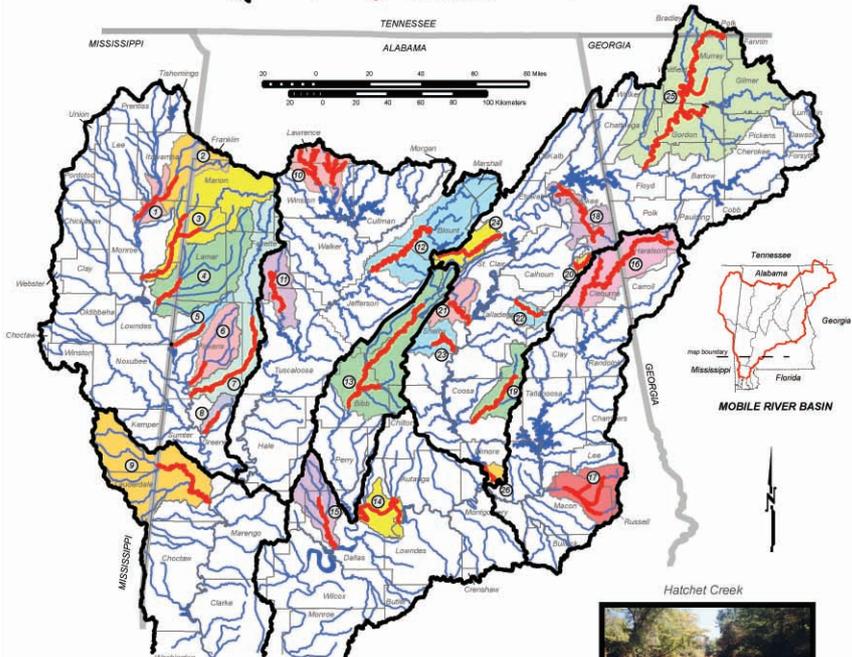


by Patrick E. O'Neil, Stuart W. McGregor, and E. Anne Wynn

The U.S. Fish and Wildlife Service has designated 26 river and stream segments (units) in the Mobile River Basin (69 FR 40084) as critical habitat for three threatened and eight endangered freshwater mussel species under the Endangered Species Act of 1973, as amended. The habitat units encompass approximately 1,093 miles (1,760 kilometers) of stream and river channels in four states. Although this is a small portion of each species' historic range, the habitat units include a significant part of the Mobile River Basin's remaining high-quality, free-flowing rivers and streams and reflect the variety of small stream to large river habitats once occupied by these species. The 26 habitat units were selected based on best available information about the essential habitat components required by these 11 species including: (1) geomorphically stable stream and river banks and channels; (2) a stream flow regime sufficient for normal behavior, growth, and survival of all life stages of mussels and their fish hosts; (3) acceptable water-quality conditions necessary for normal behavior, growth, and viability of all life stages; (4) sand, gravel, and (or) cobble substrates with low amounts of fine sediment and low amounts of attached filamentous algae; (5) the presence of fish hosts with adequate living, foraging, and spawning areas; and (6) few or no competitive or predaceous nonnative species. Detailed descriptions of critical habitat reaches given below allow accurate location on larger scale maps.

Explanation

- Unit watershed
- Stream
- River drainage boundary
- Critical habitat unit
- County line
- State line



Species	Scientific name	Common name	Status	Critical Habitat Unit in the Mobile River Basin																									
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Epiblemis melastriata	upland combshell	E										X	X										X	X	X	X	X	X	
Epiblemis obovata	southern acornshell	E										X	X										X	X	X	X	X	X	
Lampisila alata	finlined pocketbook	T																					X	X	X	X	X	X	
Lampisila perovata	orange-nacre mucket	T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Medionidius acutidens	Alabama moccasinshell	T	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Medionidius parvulus	Cosca moccasinshell	E																											
Plumbosoma decium	southern clubshell	E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Plumbosoma furvum	dark pigtoe	E																											
Plumbosoma georgianum	southern pigtoe	E																											
Plumbosoma perovatum	dark pigtoe	E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Psychrotrochus greenii	triangular kidneyshell	E	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Critical Habitat Unit	Name	State/Countries	Reach
1	East Fork Tombigbee River	Miss. Monroe, Iavamba	East Fork of Tombigbee River main stem from Miss. Hwy. 278 upstream to confluence of Mill Creek.
2	Bull Mountain Creek	Miss. Iavamba	Bull Mountain Creek main stem from Miss. Hwy. 25 upstream to U.S. Hwy. 78.
3	Buttahaatchee River and Spivey Creek	Miss. Lowndes, Monroe, Ala. Lamar	Buttahaatchee River main stem from its confluence with Columbus Lake upstream to confluence of Beaver Creek. Spivey Creek from its confluence with Buttahaatchee River upstream to the Miss. Ala. state line.
4	Luxapallia Creek and Yellow Creek	Miss. Lowndes, Ala. Lamar	Luxapallia Creek main stem from its confluence with Yellow Creek upstream to confluence of Cut Bank Creek. Cut Bank Creek main stem from its confluence with Luxapallia Creek upstream to U.S. Hwy. 82.
5	Coflins Creek	Ala. Pickens	Coflins Creek main stem from its confluence with Greenwell Lake upstream to Ala. Hwy. 14.
6	Lubbub Creek	Ala. Pickens, Tuscaloosa	Lubbub Creek main stem from its confluence with Caneyville Lake upstream to confluence of Little Lubbub Creek.
7	Spivey River	Ala. Greene, Pickens, Tuscaloosa	Spivey River main stem from its confluence with Greenwell Lake upstream to Ala. Hwy. 171.
8	Trussell Creek	Ala. Greene	Trussell Creek main stem from its confluence with Demopolis Lake upstream to Ala. Hwy. 14.
9	Sucumoochee River	Ala. Sumter	Sucumoochee River main stem from its confluence with the Tombigbee River upstream to the Miss. Ala. state line.
10	Spivey Fork and tributaries	Ala. Winston, Lawrence	Spivey Fork main stem from sec. 1172 line (T. 9 S., R. 1 W.) upstream to confluence of Hubbard Creek. Hubbard Creek from its confluence with Spivey Creek upstream to confluence of Turkey Creek. Turkey Creek from its confluence with Spivey Creek upstream to sec. 9 (T. 8 S., R. 7 W.). Caney Creek from its confluence with Spivey Creek upstream to sec. 2 line (T. 8 S., R. 5 W.). Spivey Creek from its confluence with Spivey Creek upstream to sec. 24 line (T. 8 S., R. 7 W.). Branch Creek from its confluence with Spivey Creek upstream to confluence of East end West Fork. Caney Creek and North Fork Caney Creek from its confluence with Spivey Fork upstream to sec. 14 line (T. 9 S., R. 9 W.). Borden Creek from its confluence with Spivey Fork upstream to confluence of Morgan Creek. Flannigan Creek from its confluence with Borden Creek upstream to confluence of Dry Creek.
11	North River and Clear Creek	Ala. Tuscaloosa, Fayette	North River main stem from Tuscaloosa County Road 38 upstream to confluence of Ellis Creek. Clear Creek from its confluence with North River to Bay Lake Dam in Fayette County.
12	Locust Fork and Little Warrior River	Ala. Jefferson, Blount	Locust Fork main stem from U.S. Hwy. 78 upstream to confluence with Little Warrior River. Little Warrior River from its confluence with Locust Fork upstream to confluence of Gilbert Prong and Blackburn Fork.
13	Cahaba River and Little Cahaba River	Ala. Jefferson, Shelby, Bibb	Cahaba River from U.S. Hwy. 82 upstream to Jefferson County Road 143. Little Cahaba River from its confluence with Cahaba River upstream to confluence of Melan and Shoal Creeks.
14	Alabama River	Ala. Autauga, Lowndes, Dallas	Alabama River from its confluence with Cahaba River upstream to confluence of Big Swamp Creek.
15	Bogue Chitto Creek and Cane Creek	Ala. Dallas	Bogue Chitto Creek main stem from its confluence with the Alabama River upstream to U.S. Hwy. 80. Cane Creek from its confluence with the Alabama River upstream to confluence of McClendon and Mad Creeks.
16	Talapoosa River and Cane Creek	Ala. Cleburne, Ga. Paulding, Harlson	Talapoosa River from its confluence with the Talapoosa River upstream to sec. 4 northern line (T. 15 S., R. 11 E.). Cane Creek from its confluence with the Talapoosa River upstream to confluence of Ophir and Chevalia Creeks.
17	Uphapee, Choctawhatchee, and Chevalia Creeks	Ala. Macon, Lee	Uphapee Creek from Ala. Hwy. 199 upstream to confluence of Ophir and Chevalia Creeks. Choctawhatchee Creek from its confluence with Uphapee Creek upstream to Macon County Road 79. Chevalia Creek from its confluence with Ophir and Chevalia Creeks upstream to Lee County Road 150. Ophir Creek from its confluence with Chevalia Creek upstream to Macon County Road 79.
18	Cosca River and Terapin Creek	Ala. Cherokee, Calhoun, Cleburne	Cosca River main stem (old river channel) from power line crossing southeast of Maple Grove upstream to Weiss Dam. Terapin Creek from its confluence with old Cosca River channel upstream to Cleburne County Road 49.
19	Hatchet Creek	Ala. Coosa, Clay	South Fork Terapin Creek from its confluence with Terapin Creek upstream to Cleburne County Road 55. Hatchet Creek main stem from confluence of Swamp Creek upstream to Clay County Road 4.
20	Shoal Creek	Ala. Calhoun, Cleburne	Shoal Creek main stem from Whiteside Mill Lake upstream to the tailwater of Coleman Lake Dam.
21	Kelly Creek and Shoal Creek	Ala. Shelby, St. Clair	Kelly Creek main stem from its confluence with Cosca River upstream to confluence of Shoal Creek. Shoal Creek main stem from its confluence with Kelly Creek upstream to St. Clair/Shelby County line.
22	Cheaha Creek	Ala. Clay, Tallapoosa	Cheaha Creek main stem from its confluence with Chechoctawhatchee Creek upstream to tailwaters of Chevalia Lake Dam.
23	Yellowleaf Creek and Muddy Prong	Ala. Shelby	Yellowleaf Creek main stem from Ala. Hwy. 25 upstream to Shelby County Road 48. Muddy Prong main stem from its confluence with Yellowleaf Creek upstream to U.S. Hwy. 280.
24	Big Canoe Creek	Ala. St. Clair	Big Canoe Creek main stem from its confluence with Little Canoe Creek upstream to confluence of Fall Branch.
25	Coosawatie, Coosawatie, and Coosawatie Rivers and Floyd Creek	Tenn. Bradley, Polk, Murray	Coosawatie River main stem from confluence with Etowah River upstream to confluence of Coosawatie and Coosawatie Rivers. Coosawatie River from its confluence with the Coosawatie River upstream to U.S. Hwy. 135. Coosawatie River main stem from its confluence with the Coosawatie River upstream to Murray County Road 2. Floyd Creek main stem from its confluence with the Coosawatie River upstream to confluence of Rock Creek.
26	Lower Coosa River	Ala. Elmore	Coosa River main stem from Ala. Hwy. 111 bridge upstream to Jordan Dam.

