

Alabama moccasinshell and ovate clubshell.

Unit 2. Bull Mountain Creek, Itawamba County, Mississippi

Unit 2 encompasses 34 km (21 mi) of the Bull Mountain Creek stream channel in Mississippi extending from Mississippi Highway 25, upstream to U.S. Highway 78, Itawamba County, Mississippi. Bull Mountain Creek supports the southern clubshell and Alabama moccasinshell (Jones and Majure 1999). This unit is within the historic range of the orange-nacre mucket (records are from the early 1980's (MMNS mussel collections)) and the ovate clubshell.

Unit 3. Buttahatchee River and Tributary, Lowndes/Monroe County, Mississippi; Lamar County, Alabama

Unit 3 encompasses 110 km (68 mi) of river and stream channel in Mississippi and Alabama, including 87 km (54 mi) of the Buttahatchee River, extending from the confluence with Tombigbee River, Lowndes/Monroe County, Mississippi, upstream to the confluence of Beaver Creek, Lamar County, Alabama; and 23 km (14 mi) of Sipsey Creek, extending from its confluence with the Buttahatchee River, upstream to the Mississippi/Alabama State Line, Monroe County, Mississippi. The Buttahatchee River continues to support and provide habitat for the southern clubshell, orange-nacre mucket, ovate clubshell, and Alabama moccasinshell (Haag and Warren 2001, Hartfield and Jones 1989, Jones 1991, McGregor 2000). The current distribution of the Alabama moccasinshell also extends into its tributary Sipsey Creek (McGregor 2000).

Unit 4. Luxapalila Creek and Tributary, Lowndes County, Mississippi; Lamar County, Alabama

Unit 4 encompasses 29 km (18 mi) of stream channel, including 15 km (9 mi) of Luxapalila Creek, extending from Waterworks Road, Columbus, Mississippi, upstream to approximately 1.0 km (0.6 mi) above Steens Road, Lowndes County, Mississippi; and 15 km (9 mi) of Yellow Creek extending from its confluence with Luxapalila Creek, upstream to the confluence of Cut Bank Creek, Lamar County, Alabama. Luxapalila and Yellow Creeks support and provide habitat for the southern clubshell, orange-nacre mucket, ovate clubshell, and Alabama moccasinshell (Hartfield and Bowker 1992, McGregor 2000, Miller 2000, Yokley 2001).

Unit 5. Coalfire Creek, Pickens County, Alabama

Unit 5 encompasses 32 km (20 mi) of the Coalfire Creek stream channel extending from the confluence with the Aliceville Lake (Tombigbee River), upstream to U.S. Highway 82, Pickens County, Alabama. Coalfire Creek supports the orange-nacre mucket and ovate clubshell (P. Hartfield, Service field records 1991; McGregor 2000). The creek is in the historic range of the southern clubshell and Alabama moccasinshell.

Unit 6. Lubbub Creek, Pickens County, Alabama

Unit 6 encompasses 31 km (19 mi) of the Lubbub Creek stream channel extending from its confluence with the impounded waters of Gainesville Lake (Tombigbee River), upstream to the confluence of Little Lubbub Creek, Pickens County, Alabama. This stream supports the southern clubshell, orange-nacre mucket, and Alabama moccasinshell (P. Hartfield, Service field records 1991, McGregor 2000, Pierson 1991a). It is in the historic range of the ovate clubshell.

Unit 7. Sipsey River, Greene/Pickens, Tuscaloosa Counties, Alabama

Unit 7 encompasses 90 km (56 mi) of the Sipsey River channel from the confluence with Gainesville Lake (Tombigbee River), Greene/Pickens County, upstream to Alabama Highway 171 crossing, Tuscaloosa County, Alabama. This small river supports and provides some of the best remaining habitat for the southern clubshell, orange-nacre mucket, ovate clubshell, and Alabama moccasinshell (Haag and Warren 1997, McCullagh *et al.* in press, McGregor 2000, MMNS Mussel Collection, Pierson, 1991 a, b).

Unit 8. Trussels Creek, Greene County, Alabama

Unit 8 encompasses 21 km (13 mi) of creek channel extending from its confluence with the Tombigbee River, upstream to Alabama Highway 14, Greene County, Alabama. The orange-nacre mucket continues to survive in Trussels Creek, and it is in the historic range of the ovate clubshell, Alabama moccasinshell, and southern clubshell (P. Hartfield field records 1993, McGregor 2000).

Unit 9. Sucarnoochee River, Sumter County, Alabama

Unit 9 encompasses 90 km (56 mi) of the Sucarnoochee River channel in Alabama, extending from its confluence with the Tombigbee River, upstream to the Mississippi/Alabama State Line,

Sumter County, Alabama. The ovate clubshell continues to survive in the Sucarnoochee River (McGregor *et al.* 1996). The river is within the historic range of the southern clubshell, orange-nacre mucket, and Alabama moccasinshell.

Black Warrior River Drainage, Alabama

The Black Warrior River and its tributaries historically supported populations of the orange-nacre mucket, Alabama moccasinshell, Coosa moccasinshell, southern clubshell, ovate clubshell, dark pigtoe, triangular kidneyshell, and upland combshell. There are also records of the fine-lined pocketbook from the drainage. Dam construction for navigation and hydropower and episodic water pollution resulted in the extirpation of the Coosa moccasinshell, southern clubshell, ovate clubshell, and upland combshell from this drainage. Three tributary drainages continue to support two or more endangered and threatened mussels. Dams and impounded waters currently isolate these drainages from each other.

Unit 10. Sipsey Fork Drainage, Winston, Lawrence Counties, Alabama

Unit 10 encompasses 147 km (91 mi) of stream channel in Alabama, including: Sipsey Fork, 31 km (19 mi), from section 11/12 line, T10S R8W, Winston County, upstream to the confluence of Hubbard Creek, Lawrence County, Alabama; Thompson Creek, 8 km (5 mi), from confluence with Hubbard Creek, upstream to section 2 line, T8S R9W, Lawrence County, Alabama; Brushy Creek, 35 km (22 mi), from the confluence of Glover Creek, Winston County, Alabama, upstream to section 9, T8S R7W, Lawrence County, Alabama; Capsey Creek, 15 km (9 mi), from confluence with Brushy Creek, Winston County, upstream to the confluence of Turkey Creek, Lawrence County, Alabama; Rush Creek, 10 km (6 mi), from confluence with Brushy Creek, upstream to Winston/Lawrence County Line, Winston County, Alabama; Brown Creek, 5 km (3 mi), from confluence with Rush Creek, Winston County, upstream to section 24 line, T8S R7W Lawrence County, Alabama; Beech Creek, 3 km (2 mi), from confluence with Brushy Creek, to confluence of East and West Forks, Winston County, Alabama; Caney Creek and North Fork Caney Creek, 13 km (8 mi), from confluence with Sipsey Fork, upstream to section 14 line, Winston County, Alabama; Borden Creek, 18 km (11 mi), from confluence with Sipsey Fork, Winston County, Alabama,