



Conservation Updates

July 23, 2020



Fresh Water Mussels

- 2 native mussel species, the Louisiana pigtoe and the Texas heelsplitter, are currently candidates for federal protection.
- The species status assessment (SSA) has been drafted by the United States Fish and Wildlife Service (USFWS) and ANRA has contributed comments during the process.





Fresh Water Mussels



TEXAS HEELSPLITTER (*POTAMILUS AMPHICHAENUS*) (HISTORICAL RANGE SHOWN IN RED HATCH)



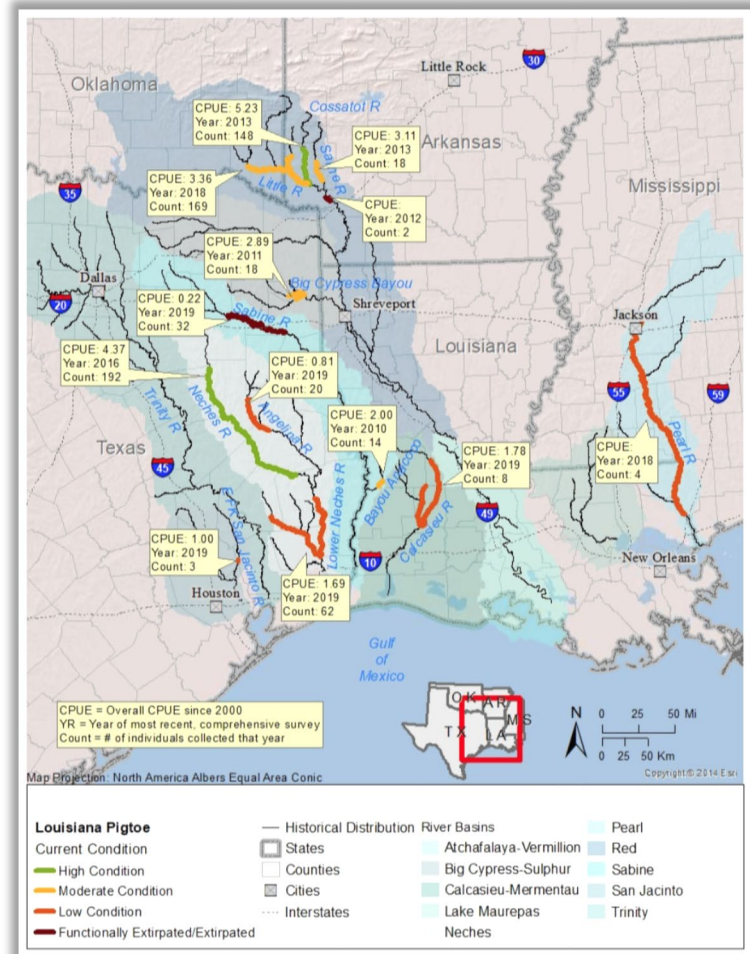
LOUISIANA PIGTOE (*PLEUROBEMA RIDDELLII*) (HISTORICAL RANGE)



Louisiana Pigtoe

Estimated current condition

River Basin	Population	Population Factors			Habitat Factors			Overall Condition (Viability)
		Occupied Habitat	Abundance	Reproduction/ Recruitment	Habitat Structure/ Substrate	Hydrology	Water Quality	
Red	Little River/Rolling Fork	3	2	3	2	2	2	2
	Cossatot River	2	3	3	3	2	2	3
	Saline River	2	2	1	1	2	2	2
	Lower Little River	1	0	1	1	1	1	0**
Big Cypress Calcasieu-Mermentau	Big Cypress Bayou	2	2	1	2	2	2	2
	Calcasieu River	1	1	1	3	2	2	1**
Pearl	Pearl River	3	1	1	2	2	2	1**
Sabine	Sabine River	3	0	1	3	2	2	0**
	Bayou Anacoco	1	2	1	3	2	2	2
Neches	Angelina River	3	1	1	3	3	2	1**
	Neches River	3	3	2	3	3	2	3
	Lower Neches River	3	1	2	3	2	2	1**
San Jacinto	East Fork San Jacinto River	1	1	1	1	2	2	1

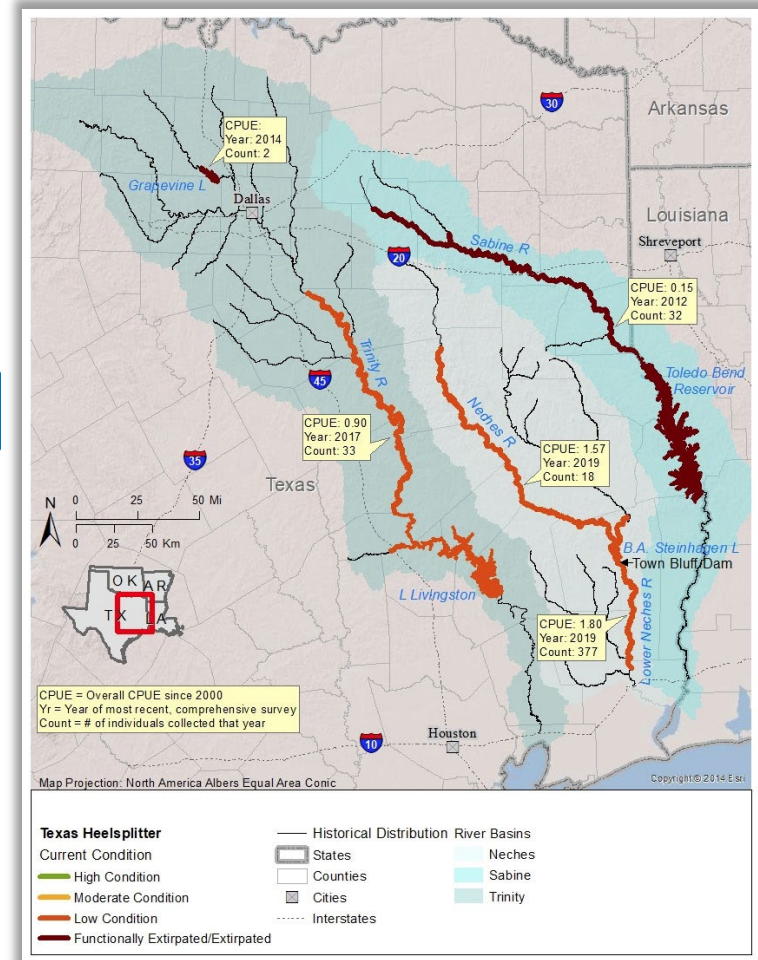




Texas Heelsplitter

Estimated current condition

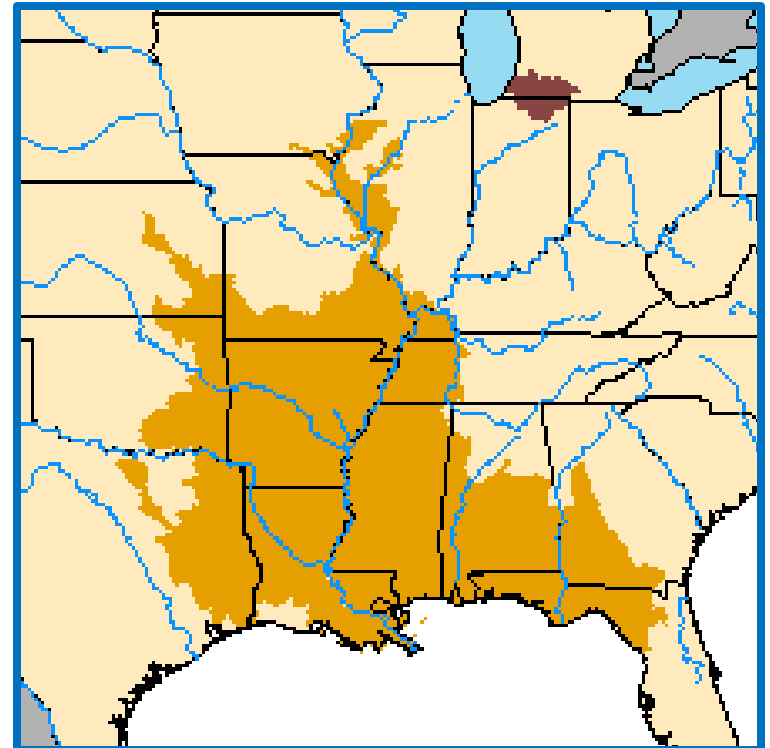
River Basin	Population	Population Factors			Habitat Factors			Overall Condition (Viability)
		Occupied Habitat	Abundance	Reproduction/ Recruitment	Habitat Structure/ Substrate	Hydrology	Water Quality	
Sabine	Sabine River/ Toledo Bend	3	0	1	3	2	3	0**
Neches	Neches River/ B.A. Steinhagen	3	1	1	3	3	2	1**
	Lower Neches River	3	1	1	3	2	2	1**
Trinity	Grapevine Lake	na	0	1	3	2	2	0**
	Trinity River/ Lake Livingston	3	1	1	1	1	2	1**





Alligator Snapping Turtles

- Found throughout East Texas, in all of the Neches River Basin.
- Currently listed as threatened in Texas and is a candidate for federal listing.
- Demographics and population size are not well understood in Texas so further research is needed.





Alligator Snapping Turtles

- Stephen F. Austin State University (SFA) is conducting a baseline study with Texas Parks and Wildlife Department (TPWD) to achieve a basic alligator snapping turtle demographics study for all of Texas.
- ANRA is working with TPWD to raise awareness about the status of alligator snapping turtles in Texas and will continue to look for ways to become more involved.

