Alabama Rivers and Streams Network SHU Mapper

- Alabama Rivers and Streams Network SHU Mapper: https://nwrcwebapps2.cr.usgs.gov/AL/Map

- Alabama Rivers and Streams Network: alh2o.org
  - Interactive Map tab under Browse By Topic

Not secure | alh2o.org

Apps | SHU - Log in | New Tab | Home - Geospatial... | GIS | IT | InsideFWS | Citi Card | HP DesignJet Z560... | Relating Survey123... | DOI Talent | EHRI Electronic Offi... | Geospatial Services... | ArcMap-Style Toolb... | Sentinel-hub Playgr... | Other bookmarks

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CLEAN WATER FOR OUR FUTURE — GET TO KNOW YOUR H2O ALABAMA!

ABOUT US | RIVERS AND CRITTERS | RESOURCES | HOW TO GET INVOLVED

ALABAMA RIVERS AND STREAMS NETWORK

BROWSE BY TOPIC

- Mission Statement
- Interactive Map
- Strategic Habitat Units
- Educational Materials
- Success Stories
- Why It Matters
- In The News

WATER IS AN IMPORTANT PART OF OUR LIVES

Let's Admit it...nothing is as refreshing as a glass of cool water on a hot Alabama day. Although most of us don't think about where our water comes from, we expect it to be clean and safe for ourselves and our families.

Doing **YOUR** part to help keep our water clean and safe is easier than you might think. If each person does their part, we can make a huge difference...one person and one drop at a time.

Still unsure? See how water affects our jobs, our economy, our health, our real estate prices, and **more**.

Get To Know Your H2O

WHAT IS A WATERSHED?

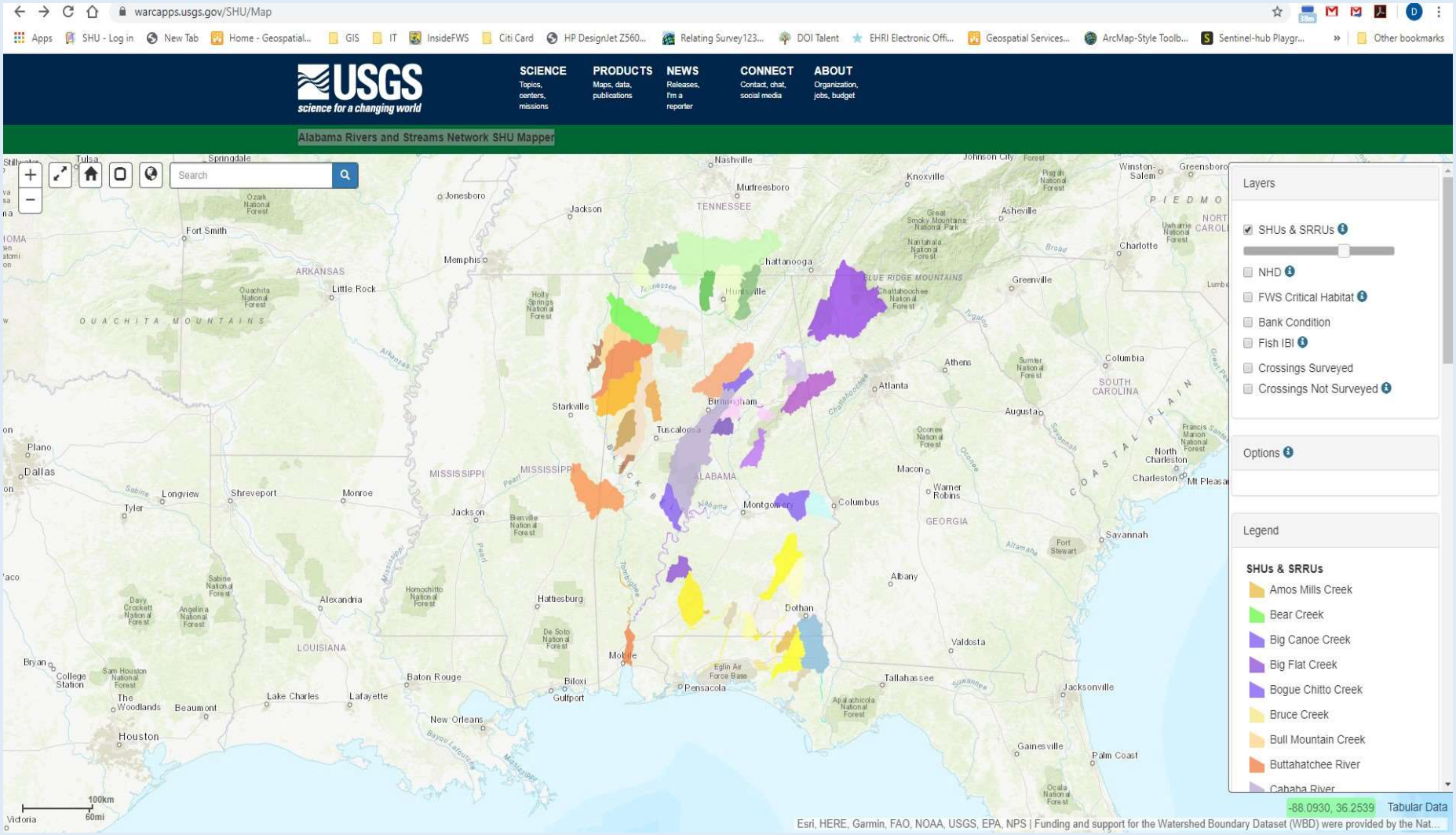
IN THE NEWS

Conservationists from across the nation attend a SHU-focused watershed restoration class in Shepherdstown, WV

The Terrapin Creek Strategic Habitat Unit was the focus of the 2019 Restoration Policy, Planning, and Partnering course...

Southeast Aquatics Fund to help conservation, species protection in north-central Alabama

ARSN partners are at work!...


warcapps.usgs.gov/SHU/Map
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Alabama Rivers and Streams Network SHU Mapper
Search
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FWS Critical Habitat
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Fish IBI
Crossings Surveyed
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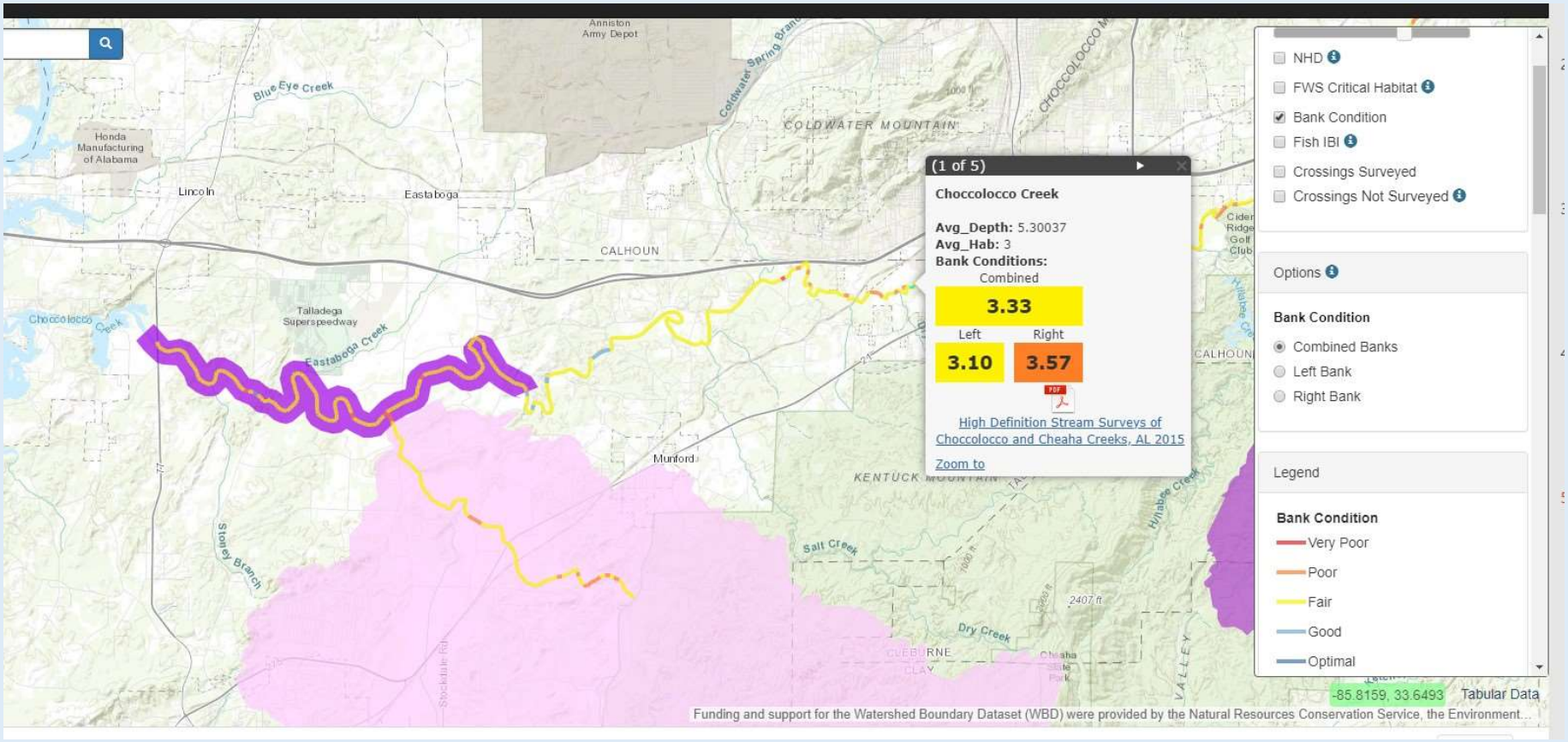
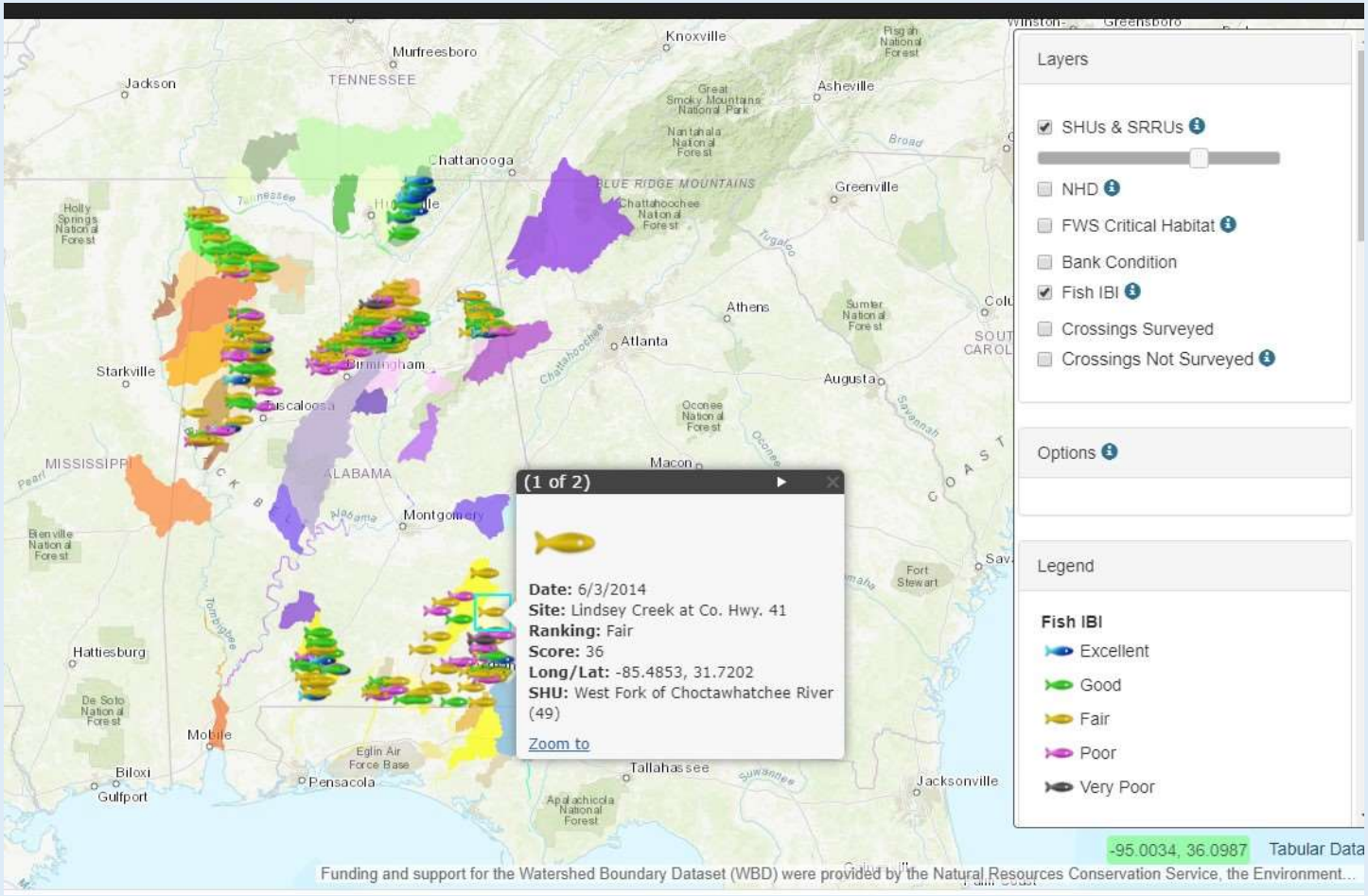
Options
Legend
SHUs & SRRUs
Amos Mills Creek
Bear Creek
Big Canoe Creek
Big Flat Creek
Bogue Chitto Creek
Bruce Creek
Bull Mountain Creek
Buttahatchee River
-88.0930, 36.2539
Tabular Data
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS | Funding and support for the Watershed Boundary Dataset (WBD) were provided by the Nat…

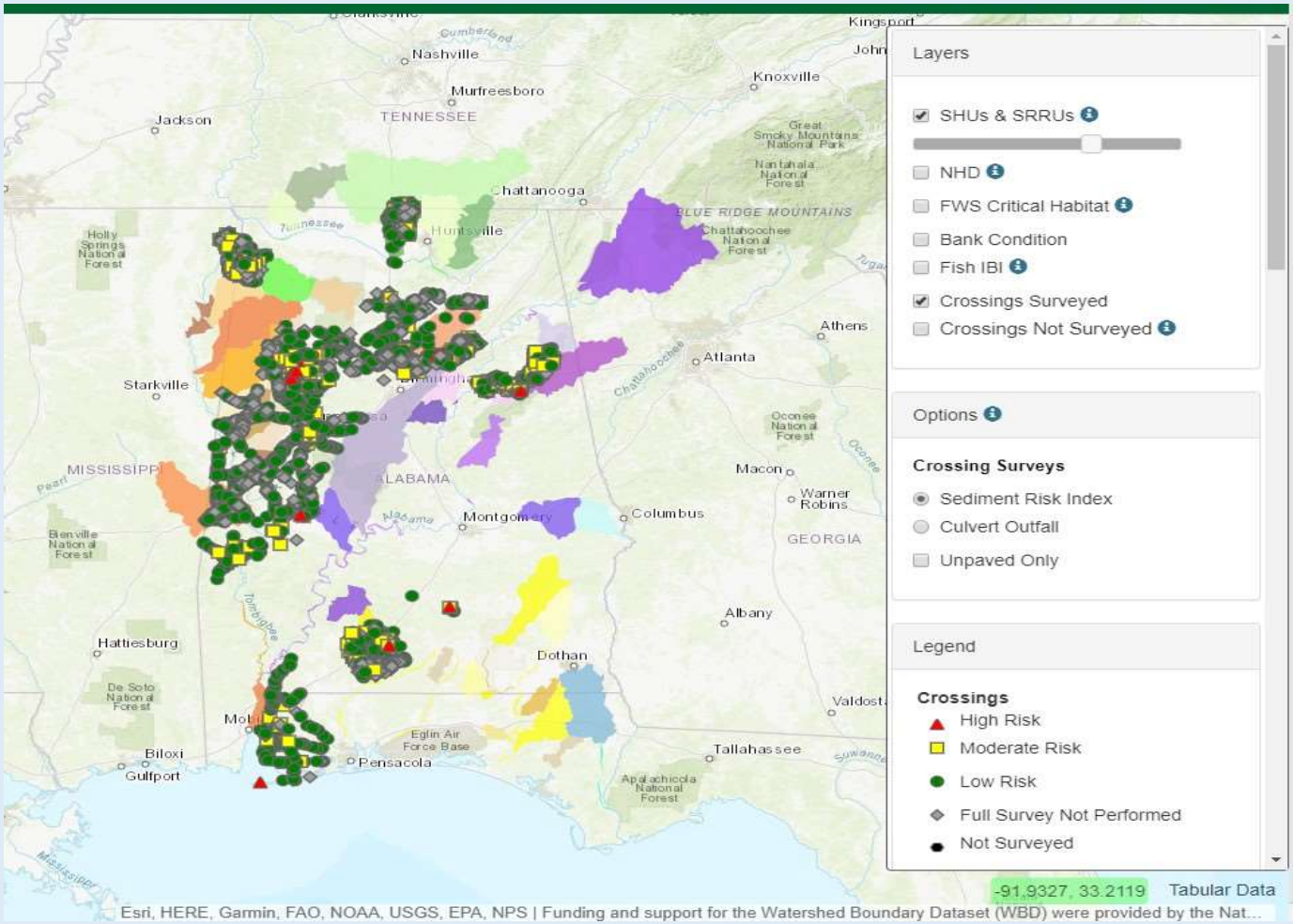
High Definition Stream Bank Surveys



Fish IBI


Layers
SHUs & SRRUs
NHD
FWS Critical Habitat
Bank Condition
Fish IBI
Crossings Surveyed
Crossings Not Surveyed
Options
Legend
Fish IBI
Excellent
Good
Fair
Poor
Very Poor
(1 of 2)
Date: 6/3/2014
Site: Lindsey Creek at Co. Hwy. 41
Ranking: Fair
Score: 36
Long/Lat: -85.4853, 31.7202
SHU: West Fork of Choctawhatchee River (49)
Zoom to
-95.0034, 36.0987
Tabular Data
Funding and support for the Watershed Boundary Dataset (WBD) were provided by the Natural Resources Conservation Service, the Environment...

Crossing Surveys Completed



Total completed surveys
5096

Crossing surveys in 2019
950

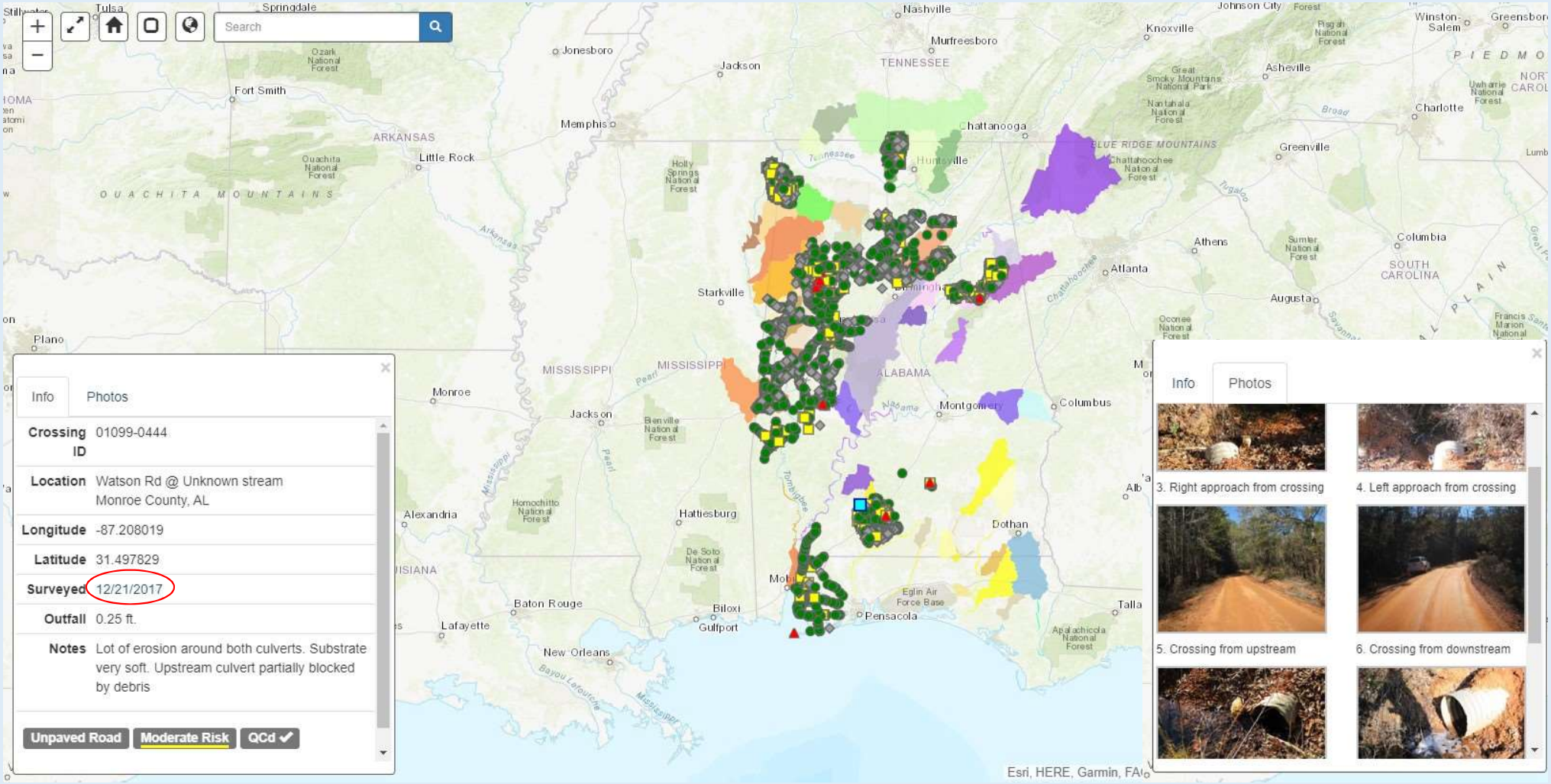
Amos Mills Creek
15

Limestone Creek
351

Locust Fork
424

Murder Creek
145

Miscellaneous
15


Search
Info
Photos
Crossing ID 01099-0444
Location Watson Rd @ Unknown stream
Monroe County, AL
Longitude -87.208019
Latitude 31.497829
Surveyed 12/21/2017
Outfall 0.25 ft.
Notes Lot of erosion around both culverts. Substrate very soft. Upstream culvert partially blocked by debris
Unpaved Road
Moderate Risk
QCd
Info
Photos
3. Right approach from crossing
4. Left approach from crossing
5. Crossing from upstream
6. Crossing from downstream
Esri, HERE, Garmin, FA
Nashville
Knoxville
Murfreesboro
TENNESSEE
Jonesboro
Jackson
Memphis
Chattanooga
Huntsville
Asheville
Charlotte
Greenville
Fort Smith
ARKANSAS
Little Rock
OUACHITA MOUNTAINS
BLUE RIDGE MOUNTAINS
Starkville
Atlanta
Athens
Columbia
Augusta
SOUTH CAROLINA
Plano
MISSISSIPPI
ALABAMA
Monroe
Jackson
Montgomery
Columbus
Alexandria
Hattiesburg
Dothan
Baton Rouge
Lafayette
Biloxi
Gulfport
Pensacola
New Orleans

SHU Name:				SHU #:		Visible Threats	
Crossing ID:	**01099-0444**			BIN:		Livestock access	☐
Road:	**Watson Rd**		Stream:			Eroding banks	☐
Date:	**12/21/2017**		Time: Start **1330**	End **1340**		Fish barriers	◉
Surveyor(s):	**S. Klueh-Mundy; E. Padgett**		**Lowland**			Road material in stream	◉
State:	**AL**	County: **Monroe**	Owner of GPS: **SK**			ATV Access	☐
Latitude (DD):	**31.497829**		Camera:	**EP**		No riparian cover	☐
Longitude (DD):	**-87.208019**		Notetaker:	**SK**		Others:	

Road Type:	**Unpaved**	**Public**	Qualitative Sed Risk Level:	**High**
Full Survey Performed?	**Yes**		Restoration Project Possibility:	**Yes**
Other Comments:				

Stream Crossing Assessment					
WATERWAY					Score
1. Upstream channel morphology		**A,B,C,E,Wetland**			**5**
2. Downstream channel morphology		**A,B,C,E,Wetland**			**5**
3. Downstream channel/bank alteration		**Natural**			**5**
CROSSING STRUCTURE	Crossing type:	**Culvert**	Number of culverts: **1**	Bat Signs Present: ☐	
Culvert type:	**Round**			Other:	
Structure Materials:	**Metal (corrugated)**			Other:	
Dimensions	Length/Span (ft): **25.00**	Diameter/Width (ft): **1.50**	Culvert outfall drop (ft): **0.25**		
4. Upstream culvert skew angle (worst)		**> 30°**			**1**
5. Crossing fill condition (dominant)		**Poor-Bare Soil**			**1**
6. Crossing inlet/outlet condition		**No impairment**			**5**
Comments:					

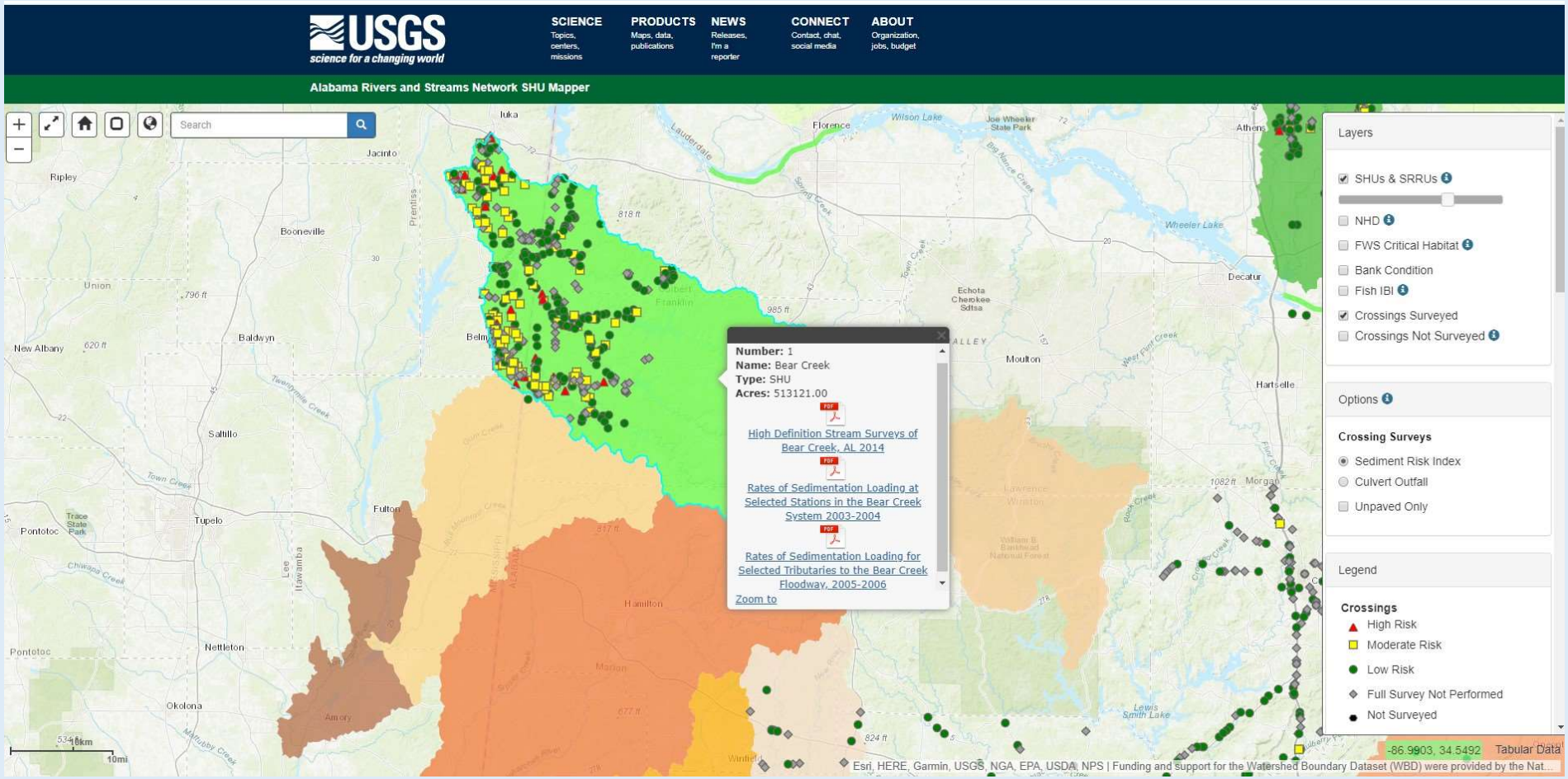
ROAD APPROACHES I	Right = right road approach when facing downstream				
Dimensions (right)	Length (mi): **0.0790**	Width (ft): **20.00**	Road prism fill (in): **1.00**	Slope (%): **5.20**	
Potential eroded volume (right): Length x Width x Road prism fill x 16.3 = **25.7540**					
Dimensions (left)	Length (mi): **0.0456**	Width (ft): **20.00**	Road prism fill (in): **1.00**	Slope (%): **3.50**	
Potential eroded volume (left): Length x Width x Road prism fill x 16.3 = **14.8656**					
7. Potential eroded volume (mean)					**5**
8. Soil type:	**LnC, BnB**	K-factor: **0.11**			**5**
9. Road approach slope (mean %)					**1**
10. Road approach surface material		**All Sand/Clay, or 1 APR Aggregate - 1 APR Native Soil**			**3**

ROAD APPROACHES II	Right = right road approach when facing downstream				
		DOWNSTREAM			
Left outlet	**Bare soil**	**0**	Left ditch	**Bare soil**	**0**
Right outlet	**Bare soil**	**0**	Right ditch	**Bare soil**	**0**
		UPSTREAM			
Left outlet	**Bare soil**	**0**	Left ditch	**Vegetated**	**1**
Right outlet	**Bare soil**	**0**	Right ditch	**Bare soil**	**0**
	11. Outlet Total	**1**		12. Ditch Total	**3**

SEDIMENTATION RISK INDEX (SRI)				TOTAL SRI SCORE
Narrative Risk Rank	Low risk	Moderate risk	High risk	**Moderate**
SRI Score	46 - 60	37 - 45	12 - 36	**40**

NOTES **Lot of erosion around both culverts. Substrate very soft. Upstream culvert partially blocked by debris**

Documents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Search
Number: 1
Name: Bear Creek
Type: SHU
Acres: 513121.00
High Definition Stream Surveys of Bear Creek, AL 2014
Rates of Sedimentation Loading at Selected Stations in the Bear Creek System 2003-2004
Rates of Sedimentation Loading for Selected Tributaries to the Bear Creek Floodway, 2005-2006
Zoom to
Layers
SHUs & SRRUs
NHD
FWS Critical Habitat
Bank Condition
Fish IBI
Crossings Surveyed
Crossings Not Surveyed
Options
Crossing Surveys
Sediment Risk Index
Culvert Outfall
Unpaved Only
Legend
Crossings
High Risk
Moderate Risk
Low Risk
Full Survey Not Performed
Not Surveyed
-86.9903, 34.5492
Tabular Data
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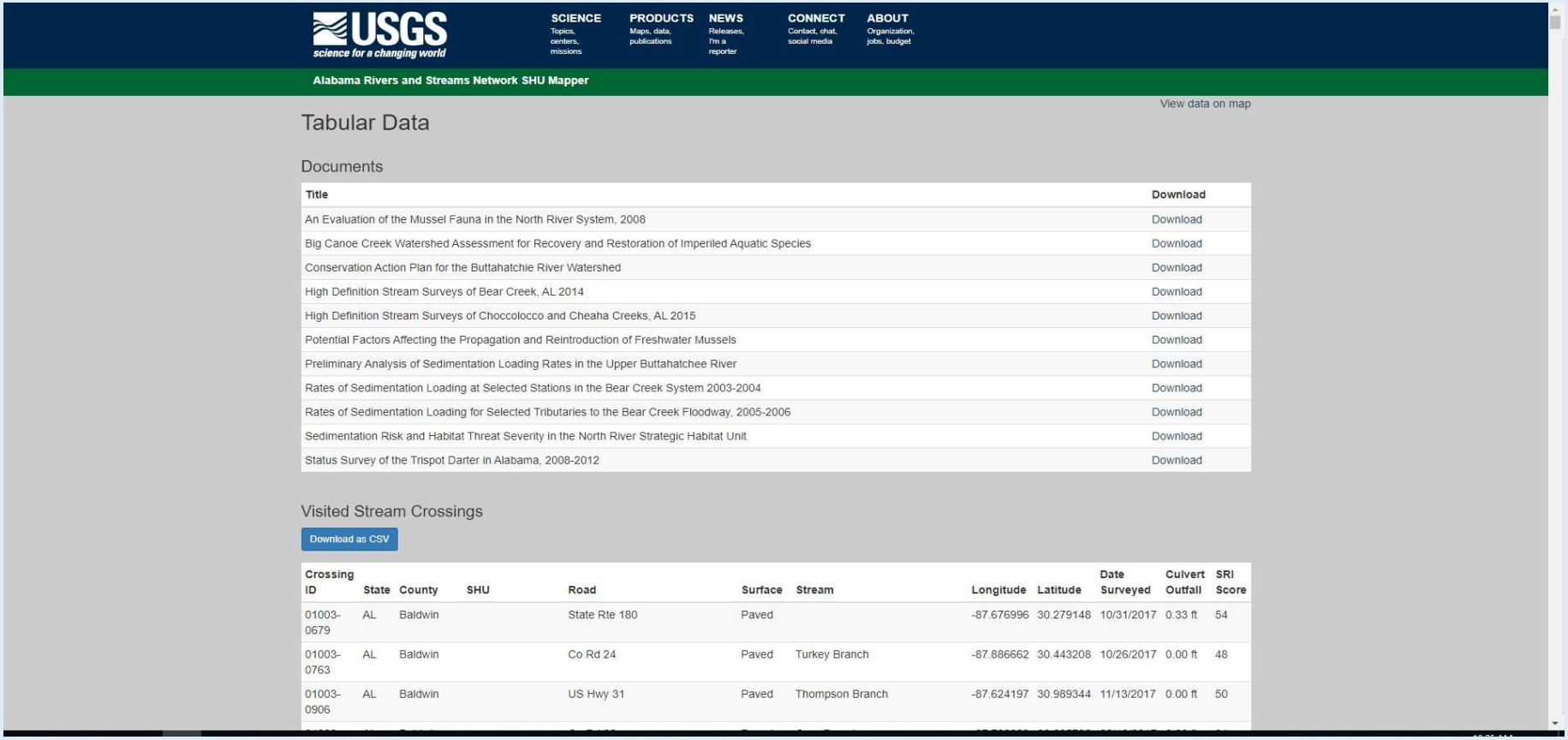
Tabular Data



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Alabama Rivers and Streams Network SHU Mapper

View data on map

Tabular Data

Documents

Title	Download
An Evaluation of the Mussel Fauna in the North River System, 2008	Download
Big Canoe Creek Watershed Assessment for Recovery and Restoration of Imperiled Aquatic Species	Download
Conservation Action Plan for the Buttahatchie River Watershed	Download
High Definition Stream Surveys of Bear Creek, AL 2014	Download
High Definition Stream Surveys of Choccolocco and Cheaha Creeks, AL 2015	Download
Potential Factors Affecting the Propagation and Reintroduction of Freshwater Mussels	Download
Preliminary Analysis of Sedimentation Loading Rates in the Upper Buttahatchee River	Download
Rates of Sedimentation Loading at Selected Stations in the Bear Creek System 2003-2004	Download
Rates of Sedimentation Loading for Selected Tributaries to the Bear Creek Floodway, 2005-2006	Download
Sedimentation Risk and Habitat Threat Severity in the North River Strategic Habitat Unit	Download
Status Survey of the Trispot Darter in Alabama, 2008-2012	Download

Visited Stream Crossings

Download as CSV

Crossing ID	State	County	SHU	Road	Surface	Stream	Longitude	Latitude	Date Surveyed	Culvert Outfall	SRI Score
01003-0679	AL	Baldwin		State Rte 180	Paved		-87.676996	30.279148	10/31/2017	0.33 ft	54
01003-0763	AL	Baldwin		Co Rd 24	Paved	Turkey Branch	-87.886662	30.443208	10/26/2017	0.00 ft	48
01003-0906	AL	Baldwin		US Hwy 31	Paved	Thompson Branch	-87.624197	30.989344	11/13/2017	0.00 ft	50