

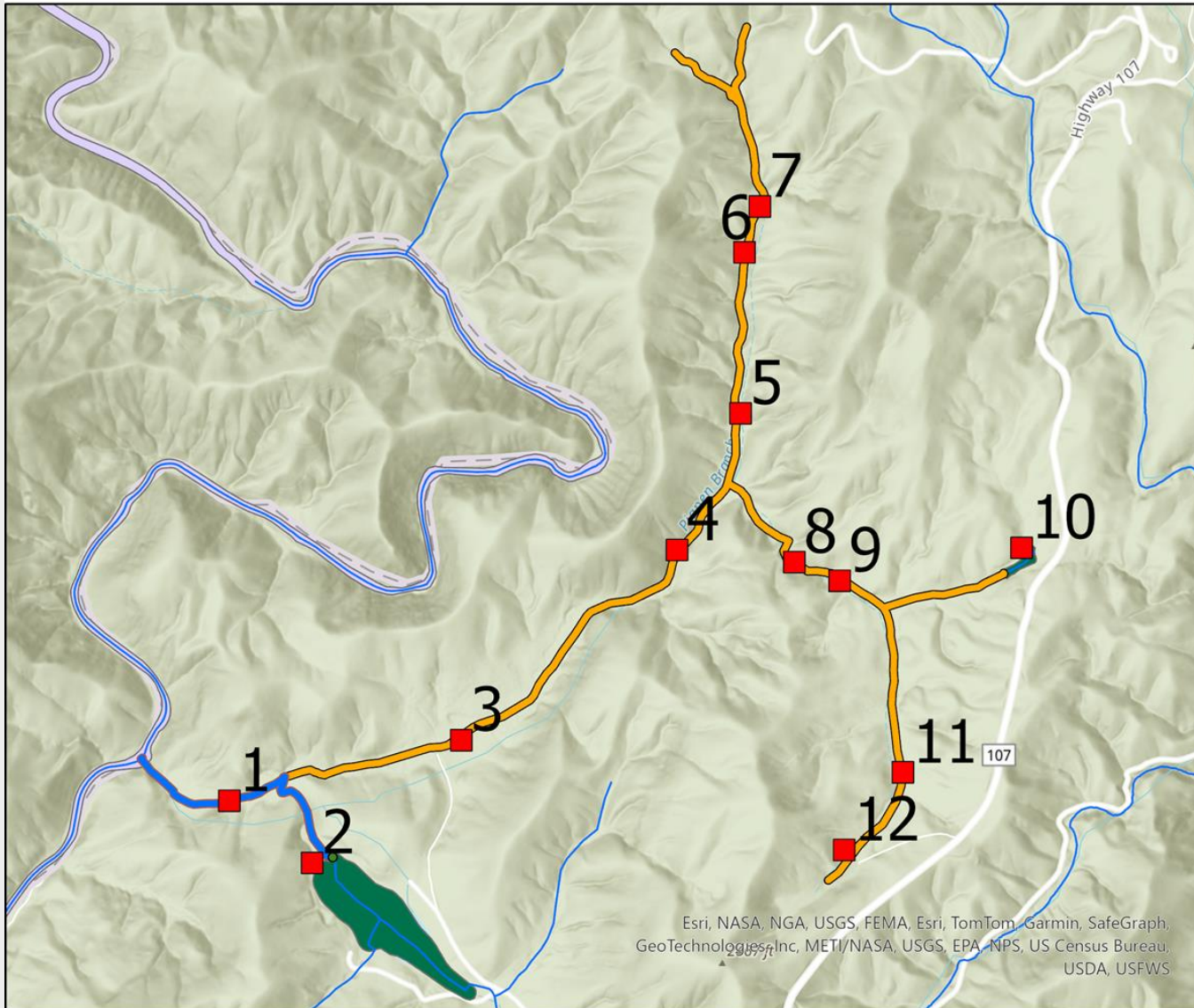


Eastern Brook Trout Restoration in Pig Pen and Lick Log Creek 2021-2023

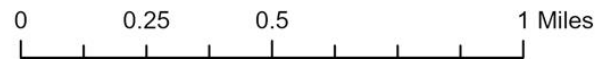
Hailey Goyette



Pig Pen Branch and Lick Log Creek Antimycin Stations



- Thrift Lake
- Chattooga River
- Antimycin Stations
- Licklog Creek
- Pigpen Creek



Burrell's Pond Dam Removal



Aquatic Invertebrates, Crayfish, and Salamander Surveys

- Dr. Jeremy Pike (Clemson University) surveyed 6 sites.
 - 2 control sites above the Antimycin treatment area where no fish are present.
 - 3 sites within the Antimycin treatment area.
 - 1 site below detox site within the Chattooga River.





Antimycin Treatment

Date	Number of Stations	Total Antimycin (ml) (Treaters)	Total Antimycin (ml) (Sprayer)	Total Antimycin (ml)	Water Temp (°C)	Maximum Discharge (ft ³ /sec)	Stream Length Treated (m)	Conc. KMnO ₄ (ppm)/Hours	Total KMnO ₄ Applied (g)
9/11/23	8	488	100	588	16	1.0	3,000	0	0
9/12/23	8	554	120	674	16	1.5	3,000	0	0
9/13/23	10	815	150	965	16	2.5	2,600	0	0
9/14/23	9	1,563	260	1,823	16	5.0	4,400	4 / 8	2,040
9/15/23	10	2,017	370	2,387	16	9.0	3,800	4 / 8	3,672
9/16/23	6	1,269	254	1,523	16	6.0	2,700	4 / 8	2,450

Antimycin Treatment

Date	Number of Stations	Total Antimycin (ml) (Treaters)	Total Antimycin (ml) (Sprayer)	Total Antimycin (ml)	Water Temp (°C)	Maximum Discharge (ft ³ /sec)	Stream Length Treated (m)	Conc. KMnO ₄ (ppm)/ Hours	Total KMnO ₄ Applied (g)
10/10/23	4	396	58	454	13	4.0	900	2 / 8	816
10/11/23	4	396	44	440	13	4.0	900	3 / 8	1,224
10/12/23	4	429	43	472	13	4.5	900	3 / 8	1,377



Detox



Reintroduction





Thanks to our partnerships including National Park Service, US Forest Service, US Fish and Wildlife Service, Naturaland Trust, South Carolina Trout Unlimited, Virginia Tech CATT Crew, Clemson University, and Landowners