

S1 Table. Length of stream and percentage of total stream length that was predicted to be: a) too warm (July mean daily maximum stream water temperature (JMMST) > 18 °C), b) too acidic (ANC < 50 µeq/L), or c) suitable (ANC > 50 µeq/L and JMMST < 18 °C).

National Forest/ Ranger District	Total Stream Length		Temp > 18 °C		ANC < 50 µeq/L		Temp > 18 °C and ANC < 50 µeq/L		Suitable Habitat	
	km		km	%	km	%	km	%	km	%
George Washington										
James River	2,505		2,504	100.0	59	2.4	59	2.4	1	0.0
Lee	1,904		1,863	97.9	114	6.0	114	6.0	41	2.1
North River	3,857		3,852	99.9	475	12.3	469	12.2	0	0.0
Pedlar	1,678		1,595	95.1	174	10.4	174	10.4	83	4.9
Warm Springs	2,147		2,140	99.7	118	5.5	111	5.2	0	0.0
TOTAL	12,090		11,954	98.9	939	7.8	927	7.7	124	1.0
Jefferson										
Clinch	1,851		1,824	98.6	219	11.8	219	11.8	27	1.4
Eastern Divide	5,236		5,061	96.7	559	10.7	466	8.9	82	1.6
Glenwood	1,139		1,100	96.6	97	8.5	97	8.5	39	3.4
Mt. Rogers	2,630		2,001	76.1	293	11.1	172	6.5	508	19.3
TOTAL	10,856		9,986	92.0	1,168	10.8	954	8.8	656	6.0
Cherokee										
Nolichucky	3,927		3,818	97.2	222	5.6	201	5.1	88	2.2
Ocoee	1,696		1,696	100.0	76	4.5	76	4.5	0	0.0
Tellico	1,507		1,463	97.1	217	14.4	182	12.1	8	0.5
Watauga	4,053		3,696	91.2	284	7.0	236	5.8	310	7.6
TOTAL	11,183		10,674	95.4	798	7.1	694	6.2	406	3.6
Pisgah										
Appalachian	3,968		3,400	85.7	315	7.9	126	3.2	379	9.5
Grandfather	2,330		2,127	91.3	138	5.9	88	3.8	153	6.6
Pisgah	1,706		1,286	75.4	115	6.7	8	0.5	313	18.4
TOTAL	8,004		6,813	85.1	568	7.1	222	2.8	845	10.6
Nantahala										
Cheoah	1,768		1,722	97.4	355	20.1	340	19.3	31	1.8
Nantahala-Highlands	1,638		1,168	71.3	111	6.8	9	0.5	367	22.4
Nantahala-Wayah	2,573		2,185	84.9	156	6.1	81	3.2	314	12.2
Tusquitee	2,999		2,952	98.4	105	3.5	100	3.3	42	1.4
TOTAL	8,978		8,026	89.4	728	8.1	531	5.9	754	8.4
Chattahoochee										
Blue Ridge	3,285		3,277	99.8	1	0.0	1	0.0	8	0.2
Chattooga River	2,371		2,346	98.9	42	1.8	36	1.5	19	0.8
Conasauga	3,362		3,313	98.6	0	0.0	0	0.0	48	1.4
TOTAL	9,017		8,936	99.1	42	0.5	36	0.4	75	0.8
Sumter										
Andrew Pickens	906		906	100.0	0	0.0	0	0.0	0	0.0
TOTAL	906		906	100.0	0	0.0	0	0.0	0	0.0