

DEP Stream Code: 10378

Table 1. Collection site information from Big Spring Creek at site rivermile 4.96 with Site Latitude 400747 Longitude 772427 DMS or 40.12981 -77.407395 DD using Electrotowboat gear. Site established 9/2/2008 by Fisheries Management Area 7. This site is currently located within Section Number 1 within sub-subbasin 07B.

Site Parameter	Parameter Value
Survey Purpose	Fish - Population Estimate Absolute Abundance Indices
Site USGS 7.5 min Quad(s)	Site USGS Quad(s) Location: Q26-Newville ;
Site Sub-SubBasin	7B
Site Length (m)	150
Mean Site Width (m)	9.9
Site Area Hectares	0.15
Site Area Acres	0.37
County Of Site	Cumberland
Law Enforcement Region	SC
Law Enforcement District	6065
WCO-Last Name	Hurst
Site Erosion	Not Recorded
Site Water Flow	Normal (water close to normal water line)
Site Shade Assessment	Not Recorded
Site Terrestrial Vegetation Assessment	Not Recorded
Database Site Collector Code	07
Database Site Number	4419
Site Comment	150 M DNS OF SOURCE (DITCH)

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Table 2. Estimated Abundance and Biomass of brook trout from Big Spring Creek (707B), using a Petersen estimator. Site located at River Mile 4.96 with a site Lat/Lon of 400747/772427 DMS or 40.12981 -77.407395 DD. Site currently located within section 1. Survey Date: 9/2/2008.

Size Group	Population Estimate	Low 95% CI	High 95% CI	Estimated Number/Ha	Estimated Kg/Ha	Estimated Number/Km
75	105	43	263	707	4.21	700
100	54	27	118	364	4.97	360
125	24	11	60	162	3.93	160
150	97	68	143	653	26.81	647
175	128	91	186	862	55.14	853
200	77	53	118	519	47.88	513
225	56	38	85	377	49.37	373
250	38	17	96	256	45.83	253
275	24	11	55	162	36.65	160
300	8	4	17	54	16.63	53
325	1			7	2.66	7
350	1			7	3.37	7
Totals:	613			4130	297.45	4086

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Table 3. Collection site information from Big Spring Creek at site rivermile 4.77 with Site Latitude 400758 Longitude 772427 DMS or 40.132778 -77.407501 DD using Electrotowboat gear. Site established 9/3/2008 by Fisheries Management Area 7. This site is currently located within Section Number 1 within sub-subbasin 07B.

Site Parameter	Parameter Value
Survey Purpose	Fish - Population Estimate Absolute Abundance Indices
Site USGS 7.5 min Quad(s)	Site USGS Quad(s) Location: Q26-Newville ;
Site Sub-SubBasin	7B
Site Length (m)	300
Mean Site Width (m)	15.2
Site Area Hectares	0.46
Site Area Acres	1.13
County Of Site	Cumberland
Law Enforcement Region	SC
Law Enforcement District	6065
WCO-Last Name	Hurst
Site Erosion	Not Recorded
Site Water Flow	Normal (water close to normal water line)
Site Shade Assessment	Not Recorded
Site Terrestrial Vegetation Assessment	Not Recorded
Database Site Collector Code	07
Database Site Number	4421
Site Comment	300 M DNS OF DAM AT DNS END OF DITCH

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Table 4. Estimated Abundance and Biomass of brook trout from Big Spring Creek (707B), using a Petersen estimator. Site located at River Mile 4.77 with a site Lat/Lon of 400758/772427 DMS or 40.132778 -77.407501 DD. Site currently located within section 1. Survey Date: 9/3/2008.

Size Group	Population Estimate	Low 95% CI	High 95% CI	Estimated Number/Ha	Estimated Kg/Ha	Estimated Number/Km
50	7			15	0.04	23
75	121	49	303	265	1.58	403
100	20	8	49	44	0.6	67
125	4			9	0.21	13
150	12	5	31	26	1.08	40
175	17	8	38	37	2.38	57
200	17	8	38	37	3.44	57
225	3			7	0.86	10
250	7			15	2.75	23
275	5	2	13	11	2.49	17
300	7	3	16	15	4.74	23
325	3			7	2.6	10
350	4			9	4.39	13
375	4			9	7.15	13
Totals:	231			506	34.31	769

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Table 5. Mean abundance statistics for brook trout from Electrotowboat in Big Spring Creek Section 1, section located within Pennsylvania drainage sub-subbasin - 07B. A total of 2 site(s) (n) used in this report with site collection dates between 9/2/2008 and 9/3/2008.

EstYear	25mm Size Group	CPUE	Population Estimate	Est Num/Ha	Est Kg/Ha	Est Num/Km	n Sites
2008	50	1.36	4	8	0.02	12	2
2008	75	19.65	113	486	2.9	552	2
2008	100	12.33	37	204	2.78	213	2
2008	125	8.24	14	85	2.07	87	2
2008	150	33.92	55	340	13.95	343	2
2008	175	40.9	73	450	28.76	455	2
2008	200	30.56	47	278	25.66	285	2
2008	225	23.52	30	192	25.11	192	2
2008	250	11.08	23	136	24.29	138	2
2008	275	7.9	15	86	19.57	88	2
2008	300	6.08	8	35	10.68	38	2
2008	325	1.31	2	7	2.63	8	2
2008	350	1.65	3	8	3.88	10	2
2008	375	1.02	2	4	3.58	7	2
Totals:		199.52	426	2319	165.88	2428	