

**SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY**  
**Beaver Creek (Law. Co.), Lawrence County**  
**10120203000724**  
**2008**

Table 1. Population and Biomass Estimates for Beaver Creek (Law. Co.)

<b>Site Number:</b> 234	<b>Date Sampled:</b> 07/10/2008	<b>Conductivity (umhos/cm):</b> 250
<b>Site Midpoint (Latitude, Longitude):</b> 44.37866611, -104.00672610	<b>Site Length (m):</b> 100	<b>pH:</b> 8.3
<b>Survey Completed by:</b> South Dakota Game, Fish and Parks	<b>Mean Width (m):</b> 2.6	<b>Water Temperature (C):</b> 16.5
<b>Stream Classification:</b> BK2	<b>Number of Pass:</b> 1	<b>Voltage:</b> 340

Species	Size Class	Total Number Captured	Est. # in site	Upper 95% CI	Lower 95% CI	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brook Trout	<200mm	94	94	94	94	3615	91	940	1464	81.55	1512	121.5	25.3
Brook Trout	>=200mm	3	3	3	3	115	17	30	47	15.08	48	232.7	146.3
Brook Trout	All	97	97	97	97	3731	110	970	1511	98.06	1561	124.9	29.4

Stream sites are classified based on the estimates of adult trout over eight inches that exist within the site. Estimates are derived from 3-pass backpack electrofishing surveys at 100-meter sites within streams. While all fish in the site are collected and measured, only trout species are used for classifications. Sites are numbered in accordance for the distance (m) from the stream confluence of a higher order stream/river.

Based on number of trout in excess of eight inches	
<b>Class BR1</b>	Number of wild Brown Trout exceeds 150 per acre
<b>Class BR2</b>	Number of wild Brook Trout ranges from 25 to 150 per acre
<b>Class BR3</b>	Number of wild Brown Trout is less than 25 per acre
<b>Class BK1</b>	Number of wild Brook Trout exceeds 150 per acre
<b>Class BK2</b>	Number of wild Brook Trout ranges from 25 to 150 per acre
<b>Class BK3</b>	Number of wild Brook Trout is less than 25 per acre
<b>Class RB1</b>	Number of wild Rainbow Trout exceeds 25 per acre
<b>Class RB2</b>	Number of wild Rainbow Trout is less than 25 per acre

Table 2. Species composition and population estimates on Beaver Creek (Law. Co.), 1998-2008

**Site 234**

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jul 10, 2008	94	94-94	
Brook Trout >=200mm	Jul 10, 2008	3	3-3	BK2

## Length Frequency Distribution

Length frequency histogram of species sampled by year.

**Site:** 234

**Species:** Brook Trout

