

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
Two Bit Creek - West Fork, Lawrence County
10120202007602
All Years

Table 1. Population and Biomass Estimates for Two Bit Creek - West Fork

Site Number: 9	Date Sampled: 06/02/1997	Conductivity (umhos/cm):	121
Site Midpoint (Latitude, Longitude): 44.33978957, -103.70169345	Site Length (m): 100	pH:	8.7
Survey Completed by: South Dakota Game, Fish and Parks	Mean Width (m): 1.5	Water Temperature (C):	12.0
Stream Classification: BK2	Number of Pass: 3	Voltage:	400

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	127	136	146	127	9189	158	1360	3722	140.90	2188	104.7	17.2
Brook Trout	>=200mm	3	3	4	3	203	19	30	82	17.37	48	204.3	96.0
Brook Trout	All	130	139	149	130	9392	178	1390	3804	159.27	2237	107.0	19.0

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	
Class BR1	Number of wild Brown Trout exceeds 150 per acre
Class BR2	Number of wild Brook Trout ranges from 25 to 150 per acre
Class BR3	Number of wild Brown Trout is less than 25 per acre
Class BK1	Number of wild Brook Trout exceeds 150 per acre
Class BK2	Number of wild Brook Trout ranges from 25 to 150 per acre
Class BK3	Number of wild Brook Trout is less than 25 per acre
Class RB1	Number of wild Rainbow Trout exceeds 25 per acre
Class RB2	Number of wild Rainbow Trout is less than 25 per acre

Table 2. Species composition and population estimates on Two Bit Creek - West Fork, 1987-1997

Site 9

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Jun 02, 1997	136	127-146	
Brook Trout >=200mm	Jun 02, 1997	3	3-4	BK2

Length Frequency Distribution

Length frequency histogram of species sampled by year.

Site: 9

Species: Brook Trout

