

SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY
Rapid Creek - South Fork, Lawrence County
09-0020-00
2010

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 Rapid Creek - South Fork, 2000-2010

Site 7

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brown Trout <200mm	May 07, 2003	31	28-38	
	Sep 23, 2003	62	60-67	
Brown Trout >=200mm	May 07, 2003	17	17-18	BR1
	Sep 23, 2003	21	21-21	BR1

Site 119

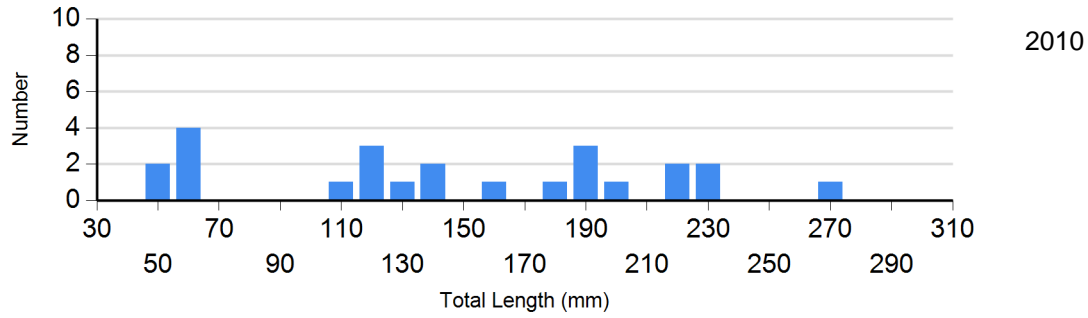
Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Sep 25, 2006	1	1-1	
Brown Trout <200mm	Sep 25, 2006	139	137-143	
Brown Trout >=200mm	Sep 25, 2006	9	9-10	BR2

Length Frequency Distribution

Length frequency histogram of species sampled by year.

Site: 7

Species: Brown Trout



Site: 119

Species: Brown Trout

