## SOUTH DAKOTA BLACK HILLS COLD STREAM SURVEY Bear Butte Creek (unnamed Trib.), Lawrence County 10120202007785 2008

Table 1. Population and Biomass Estimates for Bear Butte Creek (unnamed Trib.)

Site Number: 6 Site Midpoint (Latitude, Longitude): 44.31579006, -103.64545101 Survey Completed by: South Dakota Game, Fish and Parks Stream Classification: BK0							Date Sampled:08/Site Length (m):100Mean Width (m):1.00Number of Pass:1		1.0	08 Conductivity (umhos/cm): pH: Water Temperat Voltage:		rature (C):	403 8.4 11.2 300
Species	Size Class	Total Number Captured	Est. # in site	Upper 95% Cl	Lower 95% Cl	# per Hectacre	Kg per Hectacre	# per Km	# per Acre	lb. per Acre	# per Mile	Mean Length (mm)	Mean Weight (grams)
Brook Trout	<200mm	18	18	18	18	1868	49	180	757	44.10	290	132.2	26.4
Brook Trout	All	33	33	33	33	3425	91	330	1387	80.86	531	132.2	26.4

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					
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 BrookTrout 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 Bear Butte Creek (unnamed Trib.), 1998-2008

## Site 6

Species/Size	Date	Pop Est.	(95% C.I.)	Stream Classification
Brook Trout <200mm	Aug 14, 2008	18	18-18	

## Length Frequency Distribution

Length frequency histogram of species sampled by year.

Site: 6 Species: Brook Trout

