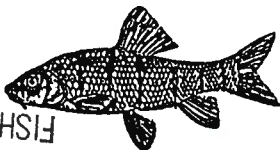


FISH, WILDLIFE & PARKS  
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DEPARTMENT OF NATURAL RESOURCES  
CHINESE CULTURE UNIVERSITY

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Report  
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28 November 1999

Chris Hunter, Special Projects Supervisor  
Montana Department of Fish, Wildlife and Parks  
1420 East Sixth Avenue  
P.O. Box 200701  
Helena, MT 59620-0701  
U.S.A.

Dear Chris:

This is a report on collections I made under Scientific Collector's Permit No. SCP-10-99 during 1999. Fish collections were made at 17 stations along Burns Creek (Dawson County, T19N, R56E, Sections 10, 11, 14; Richland County, T19N, R57E, Sections 26, 32, 33), including the North Fork, during the period 26 July to 16 August 1999. Capture-removal population estimates were conducted at each station using seines (12'x4'x $\frac{1}{4}$ " mesh straight seine; 25'x4'x $\frac{1}{4}$ " mesh straight seine; 27'x5'x $\frac{1}{4}$ " mesh bag seine; 40'x6'x $\frac{1}{4}$ " mesh straight seine). In addition, two deep, heavily vegetated stations were sampled in the North Fork using home-made minnow traps (L=15"; D=7"; mesh=1/16"). All fish were released live at the site of collection. Species and numbers collected were as follows:

goldeye (Hiodon alosoides) 4  
common carp (Cyprinus carpio) 33  
western silvery/plains minnow (Hybognathus argyritis/placitus) 91  
brassy minnow (Hybognathus hankinsoni) 166  
sand shiner (Notropis stramineus) 39  
fathead minnow (Pimephales promelas) 35  
flathead chub (Platygobio gracilis) 6  
longnose dace (Rhinichthys cataractae) 292  
lake chub (Couesius plumbeus) 36  
creek chub (Semotilus atromaculatus) 782  
longnose sucker (Catostomus catostomus) 8  
mountain sucker (Catostomus platyrhynchus) 1  
white sucker (Catostomus commersoni) 700  
shorthead redhorse (Moxostoma macrolepidotum) 43  
black bullhead (Ameiurus melas) 4  
stonecat (Noturus flavus) 46  
brook stickleback (Culaea inconstans) 186  
green sunfish (Lepomis cyanellus) 59  
black crappie (Pomoxis nigromaculatus) 2  
walleye (Stizostedion vitreum) 1

I'm currently preparing a more detailed report on my 1999 Burns Creek fish community studies for Brad Schmitz in Miles City and will send a copy to your office upon its completion.

Sincerely,

Mark D. Barnes  
Associate Professor

cc: Christian Smith, Enforcement, Brad Schmitz