



DEPARTMENT OF NATURAL RESOURCES
CHINESE CULTURE UNIVERSITY

Report
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FISH, WILDLIFE & PARKS

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24 November 1998

Patrick J. Graham, Director
Montana Department of Fish, Wildlife, and Parks
1420 East Sixth Avenue
P.O. Box 200701
Helena, Montana 59620-0701

Dear Mr. Graham:

This is a report on collections I made under Scientific Collectors Permit No. SCF-01-98 during 1998. Fish collections were made in the Burns Creek system, Dawson and Richland counties, including the mainstem, North Fork, "South Fork," Burns Lake, and a cattail marsh occupying a filled cut-off channel of the Yellowstone River near the mouth of Burns Creek (Dawson Co., T19N, R56E, Sec. 10, 11, 14; Richland Co., T19N, R57E, Sec. 26, 32, 33) during the period 23 July - 6 August 1998. Collections were made using seines (27' x 5' x $\frac{1}{4}$ " mesh bag seine; 25' x 4' x $\frac{1}{4}$ " Ace mesh straight seine; 12' x 4' x $\frac{1}{4}$ " Ace mesh straight seine) and home-made minnow traps (L=15"; D=7"; mesh=1/16").

Species and numbers collected were as follows (numbers in parentheses = numbers retained as voucher specimens or for dissection and deposited in the Vertebrate Collection, Montana State University Department of Biology, Bozeman).

northern pike (Esox lucius): 1(0)
common carp (Cyprinus carpio): 53(0)
western silvery minnow (Hybognathus argyritis): 112(13)
brassy minnow (Hybognathus hankinsoni): 32(2)
emerald shiner (Notropis atherinoides): 2(0)
sand shiner (Notropis stramineus): 80(0)
fathead minnow (Pimephales promelas): 28(2)
flathead chub (Platygobio gracilis): 1(0)
longnose dace (Rhinichthys cataractae): 255(0)
creek chub (Semotilus atromaculatus): 815(0)
lake chub (Couesius plumbeus): 5(2)
longnose sucker (Catostomus catostomus): 117(2)
white sucker (Catostomus commersoni): 455(2)
shorthead redhorse (Moxostoma macrolepidotum): 57(0)
black bullhead (Ameiurus melas): 2(0)
stonecat (Noturus flavus): 32(0)
brook stickleback (Culeae inconstans): 71(2)
green sunfish (Lepomis cyanellus): 82(0)
burbot (Lota lota): 2(2)
river carpsucker (Carpiodes carpio): 7(2)

I am currently preparing a report on this year's Burns Creek fish community studies for the regional office in Miles City and will send a copy to your office upon its completion.

Sincerely,

Mark D. Barnes
Associate Professor

cc: Chris Hunter, Brad Schmitz, Enforcement