

SCF-11-97



Montana Cooperative Fishery Research Unit

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MEMORANDUM

DATE: 07 MAY 98
TO: Chris Hunter
FROM: Al Zale
RE: Collecting permit

RECEIVED

MAY 11 1998
FISHERIES DIV.
DEPT. FISH, WILDLIFE & PARKS

Chris:

Enclosed please find our 1997 collection reports under the Unit's scientific collector's permit (SCF-11-97 issued to Robert White & Associates) in 1997 and our application for a 1998 permit. Please let me know if you need any additional information. I can be reached at 406-994-2380 or zale@montana.edu.

Thanks,

Cooperators

Andrew Munro

Relation of life history type to whirling disease susceptibility in Missouri River rainbow trout.

1997 Collection Report

Species	Number collected	Number kept	Gear used	Dates	Location
Rainbow trout	250	120	Electrofishing, fry traps, rotary screw trap	Aug-Oct 1997	Sheep Creek, Lyons Creek, Little Prickly Pear Creek, Dearborn River
Brown trout	3	0			
Mountain whitefish	10	0			
Sculpin	6	0			

1997 Collection Reports

SCF-11-97

Robert G. White + Associates

MT Corp Fish Res Unit, MSU

1997 Collection Report

Effects of whirling disease on recruitment of brown trout in the Ruby River and Poindexter Slough, Montana (Scott Opitz)

Species	Number collected	Number kept
Brown trout	4405	412
Rainbow trout	24	24

All fish collected using electrofishing in the Ruby River and Poindexter Slough, June to November 1997

Community Structure and Habitat Associations of the Lower Tongue and Powder Rivers
Ryan Trenka
1997 collection report

Fish were collected using beach seine, drifting gill nets, and electrofishing. All fish were collected on the Tongue river below T&Y diversion dam and on the Powder River below the confluence of Mizpah Creek from May 1 through Sept 3, 1997.

Common name	Number collected	Number kept
Flathead chub	2040	50
Goldeye	150	
River carpsucker	57	
Channel catfish	96	
Sturgeon chub	21	10
Carp	28	
Bigmouth buffalo	2	
Burbot	2	
Longnose sucker	26	
Freshwater drum	1	
Blue sucker	2	
Shovelnose sturgeon	6	
<i>Hybognathus sp.</i>	401	75
Shorthead red horse	109	
Longnose dace	81	
Golden shiner	128	10
Stonecat	12	
Walleye	5	
Sauger	3	
Smallmouth bass	2	
Smallmouth buffalo	1	
Flathead minnow	2	2
Plains killifish	2	2
Black bullhead	1	
TOTAL	3178	149

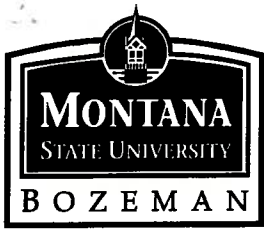
Population Structure and Habitat Use of Benthic Fishes along the Missouri River in Montana

Lee Bergstedt

1997 Collection Report

Below is a list of species collected, the numbers collected, and the numbers kept for age and growth analysis or for verification. Fish were collected using bag seine, benthic trawl, electrofishing, stationary gill nets, and drifting trammel nets. All fish were collected on the Missouri River from the confluence of Arrow Creek (near the confluence of the Judith River) to the Fort Peck slackwater.

Species	# Collected	# Kept
Black Crappie	53	
Bigmouth Buffalo	2	
Burbot	69	
Blue Sucker	6	
Carp	125	
Channel Catfish	152	15
Emerald Shiner	980	245
Flathead Chub	1864	482
Freshwater Drum	113	113
Goldeye	249	
<i>Hybognathus sp.</i>	1649	244
Longnose Dace	115	6
Longnose Sucker	124	102
Mottled Sculpin	5	
Northern Pike	23	
Rainbow Trout	1	
River Carpsucker	71	39
Sicklefin Chub	109	45
Sturgeon Chub	161	
Sauger	52	51
Shorthead Redhorse	235	22
Smallmouth Buffalo	3	
Smallmouth Bass	1	
Shovelnose Sturgeon	71	
Stonecat	73	
Spottail Shiner	83	
Unid. Buffalo	2	2
Unid. Sucker	7	7
Unid. Minnow	46	46
Unid. <i>Stizostideon</i>	2	2
Walleye	34	4
White Crappie	58	
White Sucker	46	23
Yellow Perch	25	



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Environmental Statistics Group
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<http://rivers.oscs.montana.edu/dlg/dlg.html>

April 29, 1998

To: Al Zale
From: Dan Gustafson
RE: Collecting Permits

I did not think I was still on your list. I do not really collect fish, except by accident while sampling invertebrates. I do not count or identify fish. Any fish in good condition and of possible interest goes to the museum for Bill Gould. These are, of course, mostly small fishes and mostly unregulated species. I asked for a permit before for protection from state game wardens. I have now been checked by game wardens in almost every county of the state and it is clear they do not care about accidental collection of small, unprotected fish. Since I do not target fish, cannot meet the reporting requirements, and do not need the permit for my own protection, I see no reason to continue to be included in the future. For last year, put me down for none.

Subject: Species collection
Date: Thu, 30 Apr 1998 13:36:19 +0000
From: "Lee Nelson" <lee@mail.bitterroot.net>
To: ubiaz@montana.edu

Good day Al,

Tom e-mailed and said you need some information on species collection in 1997. Let me know if you need more info than I provide below. Lee

1. species and number collected in 1997

Mountain whitefish: 94
WS cutthroat trout: 442
Brown trout: 231
Brook trout: 288
Slimy Sculpin: 175
Bull trout: 150
Rainbow trout: 20
Longnose sucker: 110
Longnose dace: 5
Largescale sucker: 3
Redside shiner: 1

2. Number kept

1 bull trout fry

3. gear(s) used

weir and fry traps

4. date(s) of collection

18 March 1997- 31 October 1997

5. location(s) of collection

Sweathouse, Skalkaho, and Sleeping Child Creeks, Ravalli County.

Montana Department of Fish, Wildlife and Parks
 FISHERIES DIVISION
 1420 East Sixth Avenue, Helena, MT 59620

REPORT OF FISH TAKEN UNDER A SCIENTIFIC COLLECTOR'S PERMIT -- 1997
 Year

FAILURE TO REPORT THIS INFORMATION BY FEBRUARY 15 OF THE FOLLOWING PERMIT YEAR
 MAY RESULT IN PERMIT REVOCATION

Instructions: Return completed form to MDFWP at the above address.
 Column No. 5: "Time of Year" use the following codes: 1=Jan Feb Mar; 2=Apr May Jun; 3=Jul Aug Sep; 4 = Oct Nov Dec
 Column No. 6: "Water and Location" include County and Nearest Landmark.

Licensee's Name GOULD				Telephone No. & Area Code	
Street Address					
City			State		Zip Code
Species Taken	Approximate Number Taken	Size Range Inches	Gear Used	Time of Year	Water and Location
IOWA DARTER	7		SEINE	SEPT. 18, 1997	RED RIVER T37N R4W
LAKE CHUB	4		"	"	S6, TOOLE CO. (11)
BRASSY MINNOW	11		"	"	"
FATHEAD MINNOW	2		"	"	"
BROOK STICKLEBACK	11		"	"	"
MOUNTAIN SUCKER	7		"	SEPT. 19, 1997	DEER CR. T37N R1E S4, TOOLE
FLATHEAD CHUB	10		"	SEPT. 20, 1997	FRENCHMAN CR. T37N R34E S6, PHILLIPS CO
SHORTHEAD REDHORSE LAKE CHUB	2		"	"	"
FATHEAD MINNOW	9		"	"	"
WHITE SUCKER	4		"	"	"
LONG NOSE DACE	8		"	"	"
FATHEAD MINNOW	2		"	"	FRENCHMAN C. T34N R35E S31, VALLEY CO.
BRASSY MINNOW	6		"	"	"
FLATHEAD CHUB	1		"	"	"
LAKE CHUB	1		"	"	"
WHITE SUCKER	1		"	"	"

PLAINS MINNOW 1 " " 11/2/90 CH.
 MOTTLED SCULPIN 42 ELECTROFISHING OCT. 1, 1997 YELLOWSTONE RIVER, T35 R9E S11, -

Subject: Re: collecting permit
Date: Mon, 4 May 1998 16:23:33 -0600 (MDT)
From: Calvin Kaya <ubick@gemini.oscs.montana.edu>
To: "Zale, Al" <zale@montana.edu>

Yes, no fish were collected in 1997 and no collections are anticipated for 1998 by Matt Clow. We are not counting fish taken from a hatchery, placed and artificially maintained in exposure cages, and subsequently relocated back into laboratory tanks, as representing collections.

Cal

On Mon, 4 May 1998, Zale, Al wrote:

> *Cal: I didn't receive anything from Matt Clow regarding collecting*
> *permit information. Should I assume he made no collections in 1997 and*
> *will make none in 1998?*
>
> *Al Zale*
>

1997 Actual Collection Records for Hennessey
 All locations are tributaries of the Yellowstone River

Species	Number collected	Number kept	Gear Used	Dates	Location	Use of fish retained
Yellowstone cutthroat trout fry	25,781	46	nylon mesh fry trap	7/10/97 to 9/22/97	Cedar Creek, Park County	Electrophoretic analysis
Yellowstone cutthroat trout fry	1,128	50	nylon mesh fry trap	7/10/97 to 9/22/97	Mol Heron Creek, Park county	Electrophoretic analysis
Yellowstone cutthroat trout fry	2,316	86	nylon mesh fry trap	7/01/97 to 8/31/97	Mill Creek Park County	Electrophoretic analysis
Yellowstone cutthroat trout fry	1,844	36	nylon mesh fry trap	7/01/97 to 9/08/97	Locke Creek, Park County	Electrophoretic analysis

1997 Actual Collection Records for Hennessey (continued)

All locations are tributaries of the Yellowstone River

Species	Number collected	Number kept	Gear Used	Dates	Location	
Sculpin	15	0	nylon mesh fry trap	7/10/97 to 9/22/97	Cedar creek, Park County	
Sculpin	0	0	nylon mesh fry trap	7/10/97 to 9/22/97	Mol Heron Creek, Park county	
Sculpin	15	0	nylon mesh fry trap	7/01/97 to 8/31/97	Mill Creek Park County	
Sculpin	35	0	nylon mesh fry trap	7/01/97 to 9/08/97	Locke Creek, Park County	
Brown trout	1	0	nylon mesh fry trap	8/23/97	Mill Creek Park County	

Species	Number collected	Number kept	Gear Used	Dates	Location	
Whitefish fry	2	0	nylon mesh fry trap	7/01/97 to 9/22/97	Mill Creek, Park County	