SCP 12-98 Report

ALEXANDER V. ZALE ASSISTANT UNIT LEADER



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MEMORANDUM

DATE:

07 MAY 99

TO:

Chris Hunter

FROM:

Al Zale

RE:

Collecting permit

Dear Chris:

Enclosed please find our 1998 collection reports under the Unit's scientific collector's permit (SCF-12-98 issued to Robert White & Associates) in 1998 and our application for a 1999 permit. Please let me know if you need any additional information. I can be reached at 406-994-2380 or zale@montana.edu.

Thanks,

1998 Collection Reports SCF-12-98 (Robert G. White + Associates)

Andrew Munro

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

1998 Collection Report

Species	Number	Number	Gear used	Dates	Location
	collected	kept			
	(Sheep Creek)				
Rainbow trout	7182	387	Picket fence	March-Oct	Sheep Creek, Little Prickly
Brown trout	103	0	weirs, fry traps,	1998	Pear Creek, Dearborn River
Brook trout	6	0	rotary screw		(The number of fish
Sculpin	306	0	trap		collected at Little Prickly
White sucker	14	0			Pear and Dearborn are on
Longnose sucker	13	0			file with FWP in Great
Longnose dace	557	0		1	Falls)
Brassy minnow	4	0			
Burbot	1	0			

Anticipated Collection for 1999

Species	Estimate of number to be collected (Sheep Creek)	Number expected to keep	Gear to be used	Dates	Locations
Rainbow trout Brown trout Sculpin	8,000 150 400	1,050 0 0	Rotary screw traps, weir traps, fry traps	March- Nov 1999	Sheep Creek, Little Prickly Pear Creek, Dearborn River
White sucker Longnose sucker Longnose dace	20 20 600	0 0 0		Dir i	

DR-ZALE

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HERE IS THE COLLECTION LIST YOU "PESTERED" ME FOR

RIGHT FRY ~ 1500; OKEPT; ELECTROFISHING + REDD CAP.

RIGHT ADJUTS ~ 35; OKEPT; E FISHING

Brown TROUT FRY ~ 500; OKEPT; E FISHING

DATES COLLECTED MAY - OCT 1998; UPPER MADISON R.

FROM DAN DOWNING - MAINTAINING WILD TROUT IN WD

INFECTED RIVERS: MITIGATING TROUT

DELLINES BY ENHANCING HABITAT AND LIFE

HISTORY TYPES OF SURVIVORS IN THE

UPPER MADISON RIVER

Rb TROUT ADULTS ~ 30; O FEAT; & FISHING + FLEXIBLE SAMPLERS
Rb TROUT FRY ~1500; O KEPT; & FISHING + REDD CAPS

BROWN TROUT FRY ~500; O KEPT; & FISHING

LOUZCITUN MAY 1999 - AUG 1999 · UPPER MADISON R.

Montana Fish Collecting Permits

Investigator: Calvin M. Kaya, Professor of Biology, Montana State University

1998 Collections

Topic: Reintroduction of Arctic grayling to the Ruby River

species	no. collected	no. kept	gear used	location
rainbow trout	many	0	electrofishing, seines, traps	Ruby River
brown trout	many	0	"	,,
brook trout	many	0	***	"
Arctic grayling	many	0	66	"

Topic:Arctic grayling into Cherry Creek, a tributary of the Madison River

rainbow trout	many	0	"	Cherry Creek
brook trout	many	0	44	,,

Anticipated 1999 Collections

Topic: Reintroduction of Arctic grayling into the Ruby River anticipated collections, fish kept, location and gear as in 1998 time of collections in 1999: May through November

Topic: ...Arctic grayling into Cherry Creek, a tributary of the Madison River anticipated collections, fish kept, location and gear as in 1998 time of collections in 1999: May through November

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

1998 Collecting Permit Report

Submitted by Lee Bergstedt
Montana Cooperative Fishery Research Unit
Montana State University
6 April 1999

The following species were collected during routine sampling on the lower Missouri River from the confluence of Arrow Creek (47°43'N Latitude, 109°50'W Longitude) to the confluence of Rock Creek (47°36'N Latitude, 108°29'W Longitude). All species were collected using a bag seine, benthic trawl, electrofishing, drifting trammel nets, and stationary gill nets. Fish were collected starting 23 July 1998 and ending 30 September 1998.

<u>Species</u>	Number Collected	Number Kept
Black Crappie	76	0
Brown Trout	1	0
Burbot	22	0
Blue Sucker	5	0
Channel Catfish	75	10
Common Carp	128	0
Ciscoe	1	0
Emerald Shiner	2168	250
Flathead Chub	1995	250
Freshwater Drum	87	87
Goldeye	156	0
Hybognathus spp.	2656	250
Longnose Dace	38	0
Longnose Sucker	27	0
Mottled Sculpin	6	0
Northern Pike	4	0
River Carpsucker	84	0
Sauger	85	50
Shorthead Redhorse	222	0
Shovelnose Sturgeon	69	0
Sicklefin Chub	94	50
Spottail Shiner	8	0
Smallmouth Buffalo	7	0

Species List Continued.

<u>Species</u>	Number Collected	Number Kept	
Smallmouth Bass	1	0	
Stonecat	24	0	
Sturgeon Chub	374	0	
Unknown YOY Catostomid	21	0	
Walleye	30	5	
White Crappie	8	0	
White Sucker	2	0	
Yellow Perch	2	0	

Community structure and habitat associations of fishes of the lower Tongue and Powder rivers. Ryan Trenka and Dr. Robert G. White

Species	Number Collected	Number Kept
Most species present in the lower Tongue and Powder rivers	many	0
Sturgeon chub Hybognathus spp.	many many	5 25
Gear Used	Dates	Location
Seines, electrofishing, drifting gill nets	April-September	Lower Tongue and Powder Rivers

Collection Report 1998

Leanne Hennessey Roulson

Evaluation of Yellowstone cutthroat trout fry recruitment from four tributaries during a low water year.

Species	Number collected	Number kept	Gear Used	Dates	Location
Yellowstone cutthroat trout fry	5800	0	nylon mesh fry traps	June to September 1998	Locke, Mill, Cedar and Mol Heron creeks
Sculpin	25	0	nylon mesh fry traps	August to September 1998	Mill and Cedar creeks
Mountain whitefish fry	4	0	nylon mesh fry traps	August to September 1998	Mill Creek

TO: Al Zale FROM: Bill Gould SUBJECT; Collection of fishes during 1998

On October 2" and 3rd of 1998, a.

Dood and myself collected fishes from
the Big Mudoly Creek drainage in
Eastern Montana. Two collections were
made on Whitetail Creek, one on Beaver
Creek and four on Big Mudoly Creek.
Collection sites were located in Daniels
Co. (1), Sheridan Co. (4) and Roosevelt Co
(2). The following fish were collected
and now reside in the M.S. Tr. Vertebrat
Collections:

white sucker (13)

pearly dace (3)

Towa darter (6)

brook stickleback (34)

northern redbelly dace (!)

longnose dace (20)

fathead minnow (31)

lake chub (38)

brassy minnow (13)

common carp (6)

goldeye (6)

emerald shiner (9)

white crappil (6)

river carpsucker (9)

It you want more details, I will be glad to provide them for you.

1998 Collection Report

Charles J. Lindell

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Experimental investigation in fish utilization of implemented structure within a fluctuating Montana reservoir (Canyon Ferry Reservoir, Broadwater County)

Project terminated. No fish collected.