



**MONTANA COOPERATIVE
FISHERY RESEARCH UNIT**

**ALEXANDER V. ZALE
ASSISTANT UNIT LEADER**

**Department of Ecology
Montana State University - Bozeman
Bozeman, Montana 59717
406-994-2380; zale@montana.edu**

22 January 2001

Ms. Karen Dimmitt
Fisheries Division
Montana Fish, Wildlife & Parks
1420 East 6th Avenue
P.O. Box 200701
Helena, MT 59620-0701

Dear Ms. Dimmitt:

Enclosed please find the individual project collector's reports for fish collections made under SCP-20-00 issued to Dr. Robert White and associates. These include collections made by Robert G. Bramblett, Adam Craig, Andrew Munro, and Sean Stash. Other individuals named on the Collecting Permit (Robert G. White, Thomas McMahon, William Gould, Pat Dwyer, Ryen Aasheim, Carrie Brooke, Mike Backes, and Alexander V. Zale) made no collections in 2000.

Please forward a 2001 Collector's Permit application to me.

Sincerely,

Alexander V. Zale
Assistant Unit Leader

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 -- 2000
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 Robert G. Bramblett				Telephone No. & Area Code (406) 994-4433	
Street Address Montana Coop. Fishery Research Unit, Dept. of Ecology, MSU					
City Bozeman			State Bozeman		Zip Code 59717
1 Species Taken	2 Approximate Number Taken	3 Size Range Inches	4 Gear Used	5 Time of Year	6 Water and Location ¹
bigmouth buffalo	27	2.5-4.1	seine	3	x
black bullhead	1,886	1.2-7.4	seine	3	aa, ab, f, g, n, q, w, x
brassy minnow	62	1.6-7.8	seine	3	aa, ac, ad, c, d, k, l, n, o, r,
brook stickleback	254	0.8-2.4	seine	3	aa, ab, ad, k, l, n
channel catfish	246	1.7-29.5	seine	3	o, s, t, z
common carp	449	1.2-19.2	seine	3	ab, ad, ag, f, g, l, m, r, s, u, x, y, z
creek chub	32	1.6-5.6	seine	3	f, o, r, s
emerald shiner	50		seine	3	z
fathead minnow	4,230	1.0-3.1	seine	3	a, aa, ab, ac, ad, c, d, f, h, l, k, l, m, n, o, s, x, y, z
flathead chub	1547	1.0-7.6	seine	3	ae, af, ag, b, e, o, p, r, s, t
goldeye	6	12.2-13.4	seine	3	i, r
green sunfish	139	1.0-7.2	seine	3	f, g, o, q, s, z
iowa darter	57	1.2-2.4	seine	3	aa, h, k, m, n, v, y, z
lake chub	649	1.6-5.3	seine	3	a, aa, ad, b, c, d, e, g, h, k, l, n
longnose dace	881	0.9-6.1	seine	3	a, ad, ae, af, ag, b, c, d, e, h, l, k, m, n, s, t,
longnose sucker	203	1.4-7.1	seine	3	ae, af, ag, b

mountain sucker	48	1.3-3.8	seine	3	a, æ, af
northern pike	100	1.6-27.9	seine	3	aa, l, j, m, q, r, u, w, x, y, z
pearl dace	3	2.2-3.5	seine	3	aa, k
Phoxinus sp. ²	35	1.2-3.2	seine	3	a, d
plains killifish	7	1.7-2.6	seine	3	o
plains minnow	146	1.4-4.3	seine	3	af, ag, e, f, g, n, o, p, s, t
pumpkinseed	25	1.2-4.5	seine	3	g, x
river carpsucker	175	1.2-18.0	seine	3	æ, af, p, s, t, x
sand shiner	864	1.1-3.0	seine	3	æ, af, ag, e, f, o, p, r, s, t
sauger	1	14.6	seine	3	r
shorthead redhorse	101	1.7-15.0	seine	3	af, ag, b, l, m, n, o, q, s, t, u, z
smallmouth bass	1	6.9	seine	3	ag
spottail shiner	47	2.0-2.5	seine	3	x
stonecat	37	3.2-7.5	seine	3	b, o, q, s, u
sturgeon chub	22	2.2-3.0	seine	3	t
walleye	4	4.1-9.8	seine	3	m, x, z
western silvery minnow	185	2.7-5.4	seine	3	f, g, o, t
white sucker	1572	1.3-19.5	seine	3	aa, ab, ac, ad, æ, af, ag, b, c, g, h, l, j, k, l, m, n, o, q, r, s, u, v, x, z
yellow perch	178	2.8-7.0	seine	3	y

¹Locations: a = S. Fork Big Coulee Creek, Sweetgrass County, near Road 2D; b = Fish Creek, Golden Valley County, near South Shawmut Road; c = Big Coulee Creek, Golden Valley County, near Big Coulee Road; d = Sage Creek, Judith Basin Road, north of Benchland; e = Arrow Creek, Fergus County, about 1 mile below confluence of Coffee Creek; f = Pumpkin Creek, Custer County, about 1.5 miles below confluence of First Creek; g = Otter Creek, Powder River County, just above confluence of Threemile Creek; h = Wolf Creek, Roosevelt County, about 5 miles northwest of Wolf Point; i = West Fork Poplar River, Roosevelt County, upstream of Highway 13 bridge; j = Smoke Creek, Roosevelt County, upstream of West Froid Road bridge; k = Big Muddy Creek, Sheridan County, near Bolster Road; l = Big Muddy Creek, Sheridan County, about 1 mile northeast of Redstone; m = Poplar River, Daniels County, adjacent to Scobey Sewage lagoon; n = Rock Creek, Valley County, about 1.2 miles west of 90° curve in Fossum Road; o = O Fallon Creek, Prairie County, about 7 miles southeast of Terry; p = Glendive Creek, Dawson County, about 4 miles southeast of Glendive; q = Little Beaver Creek, Fallon County, upstream of Road 322 bridge; r = Boxelder Creek, Carter County, off Mill Iron Road, at confluence of Spring Creek; s = Little Powder River, Powder River County, off Highway 59, about 7 miles south of Highway 212; t = Powder River, Powder River County, upstream of confluence of Horse Creek; u = Rosebud Creek, Rosebud County, on Nick Golder Ranch, near confluence of Slough Grass Coulee; v = Big Warm Creek, Phillips County, about 1 mile west of Phillips; w = Peoples Creek, Phillips County, downstream of BIA 8 Road; x = Beaver Creek, Phillips

County, upstream of bridge located about 11 miles southeast of Bowdoin National Wildlife Refuge; y = Whitewater Creek, Phillips County, about 7 miles upstream of confluence with Milk River; z = Redwater River, Dawson County, upstream of Road 128 bridge; aa = Big Muddy Creek, Sheridan County, about 1 mile upstream of bridge at Old Muddy Road; ab = East Fork Charlie Creek, Richland County, about 2 miles upstream of confluence of West Fork Charlie Creek; ac = Big Sandy Creek, Hill County, about 2.5 miles west of Road 334 and Highway 87 junction; ad = Pondera Coulee, Liberty County, about 1 mile downstream of bridge; ae = Teton River, Choteau County, upstream of bridge on Dent Bridge Road; af = Teton River, Choteau County, on Steve Kelly Ranch, about 7 miles northwest of Fort Benton; ag = Musselshell River, Musselshell County, off end of Fifth Street West in Roundup.

² *Phoxinus* identified to genus only.

Andrew Munro

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

2000 Collection Report

Species	Number collected	Number kept	Size range inches	Gear used	Time of year	Water and location
Rainbow trout	1011	16	1.6 – 4.5	electrofishing	1,2	Sheep Creek, Cascade County
Rainbow trout	*	70	2.4 – 4.6	rotary screw trap	2,3	Little Prickly Pear Creek (mouth), Lewis and Clark County
Rainbow trout	*	134	2.4 – 4.6	rotary screw trap	2,3	Dearborn River (mouth), Lewis and Clark/Cascade Counties
Rainbow trout	*	111	5.8 – 17.7	electrofishing	4	Missouri River (below Holter Dam to Cascade), Lewis and Clark/Cascade Counties

* The number of fish collected at Little Prickly Pear, Dearborn and Missouri River are on file with FWP in Great Falls.

Anticipated Collection for 2001

We do not anticipate needing to collect fish in 2001 for this project. There might be the slight chance we will need to sample 60-90 rainbow trout from the Missouri River in the spring with the help of Montana Fish, Wildlife and Parks during their brown trout population estimates.

Montana Department of Fish, Wildlife and Parks
FISHERIES DIVISION
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Licensee's Name <u>Adam Craig</u>				Telephone No. & Area Code <u>406-994-3698</u>	
Street Address <u>Ecology, MSU</u>					
City <u>Bozeman</u>			State <u>MT</u>		Zip Code <u>59717</u>
1 Species Taken	2 Approximate Number Taken	3 Size Range Inches	4 Gear Used	5 Time of Year	6 Water and Location
Rainbow Trout	457	2" - 19"	Cottrell VVP-15 Electrofishing	3 & 4	Yellowstone River, Park County, Livingston
Brown Trout	329	2" - 23"	↓	↓	↓
Yellowstone Cutthroat	24	5" - 11"			
Mountain Whitefish	8	5" - 9"			
Longnose Sucker	21	2" - 4.5"			
White Sucker	16	2" - 4.5"			
Lake Chub	1	2.5"			

Sean Stash
 7915 Leverich Road
 Bozeman, MT 59715
 406-582-5810

Species ^a	# Taken ^b	Size Range (mm)	Location ^c
Black bullhead	13	40 - 230	Milk River
Brook stickleback	4	46 - 58	Milk River
Brown trout	6	126 - 340	Milk River
Burbot	7	125 - 160	Milk River
Brassy minnow	4	59 - 89	Milk River
Carp	86	301 - 705	Milk River
Emerald shiner	44	31 - 102	Milk River
Flathead chub	767	36 - 272	Milk River
Fathead minnow	385	37 - 74	Milk River
Western silvery minnow	30	55 - 151	Milk River
Lake chub	14	50 - 100	Milk River
Lake whitefish	13	146 - 477	Milk River
Longnose dace	252	36 - 120	Milk River
Longnose sucker	170	66 - 521	Milk River
Mountain sucker	2	61 - 62	Milk River
Northern redbelly dace	3	53 - 74	Milk River
Northern pike	57	233 - 850	Milk River
Pearl dace	16	46 - 114	Milk River
Rainbow trout	3	124 - 333	Milk River
Sauger	46	98 - 543	Milk River
Stonecat	15	92 - 253	Milk River
Spottail shiner	283	42 - 99	Milk River
Walleye	53	55 - 637	Milk River
White sucker	252	56 - 464	Milk River
Yellow perch	211	50 - 249	Milk River
Total	2736		

^a All species taken April - October, 2000.

^b Sampling gears included electrofishing, bag seines, gill nets, and hoop nets.

^c All fish taken between Canada-Montana border down to Dodson Diversion Dam.