

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 -- 2002
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 Cooperative Fishery Research Unit, Dept. of Ecology, MSU					
City Bozeman			State MT		Zip Code 59717
1	2	3	4	5	6
Species Taken	Approximate Number Taken	Size Range Inches	Gear Used	Time of Year	Water and Location ^{1,2}
black bullhead	732	0.9-9.6	seine	3	aa, b, e, i, n, p, y, z
brassy minnow	673	1.3-3.6	seine	3	a, c, l, j, l, m, r, s, z, ad
brook stickleback	100	0.7-2.4	seine	3	a, aa, ac, l, m, u, w
brown trout	110	2.2-18.1	backpack electrofisher	3	ae, af, ag
channel catfish	81	2.1-28.0	seine	3	y, ad
common carp	900	1.2-22.4	seine	3	aa, b, h, j, l, o, p, q, s, y, z, ad
creek chub	113	2.3-6.5	seine	3	c, j, n
fathead minnow	7,823	1.0-3.0	seine	3	a, aa, ac, ad, ai b, c, f, l, j, l, m, n, p, r, s, u, w, y, z
flathead chub	579	1.4-5.8	seine	3	y, ad
green sunfish	532	1.2-5.0	seine	3	j, s, v
iowa darter	3	2.0-2.1	seine	3	ac, m
lake chub	362	0.2-5.3	seine	3	a, aa, b, f, l, l, p, t, y, z
largemouth bass	3	2.7-3.0	seine	3	aa
largescale sucker	71	1.8-10.8	backpack electrofisher	3	ae, af, ag
longnose dace	353	1.2-3.3	seine	3	aa, l, n, t, ad
longnose sucker	59	2.4-11.6	seine	3	ae, af, ag, ah

mottled sculpin	12	2.4-4.7	backpack electrofisher	3	ae, ag
mountain sucker	132	1.5-6.8	seine	3	ad
mountain whitefish	5	3.7-13.4	backpack electrofisher	3	ag
northern pike	35	3.6-12.2	seine	3	ab, e, x
pearl dace	80	1.3-2.9	seine	3	a, m
Phoxinus sp. ³	188	1.8-3.0	seine	3	a, l, r
plains killifish	7	1.5-3.3	seine	3	b, c, z
plains minnow	605	1.7-4.3	seine	3	aa, ac, b, l, j, l, s, y, z
redside shiner	67	1.6-4.1	backpack electrofisher	3	ae, ag
river carpsucker	11	2.1-9.7	seine	3	j, y, ad
sand shiner	452	1.4-2.8	seine	3	aa, b, c, j, n, s, t, y, z
shorthead redhorse	353	3.9-14.1	seine	3	ad
stonecat	3	4.4-7.2	seine	3	n
western silvery minnow	3	4.4-5.2	seine	3	y
white sucker	331	1.1-14.0	seine	3	a, aa, ac, c, e, l, j, m, n, s, t, ad
yellow perch	27	2.4-9.4	seine	3	b, z

¹ Locations: a = Assiniboine Creek, Phillips County, north of Malta, aa = Thompson Creek, Garfield County, east of Cohagen, ab = Tule Creek, Roosevelt County, northeast of Wolf Point, ac = West Charlie Creek, Richland County, west of Culbertson, ad = Little Bighorn River, Big Horn County, on the Little Bighorn Battlefield National Monument, ae = Cottonwood Creek, Powell County, on the Grant-Kohrs Ranch National Historic Site, af = Johnson Creek, Powell County, on the Grant-Kohrs Ranch National Historic Site, ag = Clark Fork, Powell County, on the Grant-Kohrs Ranch National Historic Site, ah = Clark Fork Slough, Powell County, on the Grant-Kohrs Ranch National Historic Site, ai = Eagle Creek, Liberty County, northeast of Chester, b = Big Dry Creek, Garfield County, east of Jordan, c = Bitter Creek, Powder River County, south of Moorhead, d = Blood Creek, Petroleum County, northeast of Winnett, e = Boxelder Creek, Roosevelt County, northwest of Poplar, f = Buggy Creek, Valley County, northwest of Glasgow, g = Chouteau Coulee, Blaine County, north of Chinook, h = Cottonwood Creek, Liberty County, south of Chester, i = Crow Creek, Valley County, north of Hinsdale, j = Crow Creek, Powder River County, northeast of Broadus, k = Currant Creek, Musselshell County, southwest of Roundup, l = Dog Creek, Fergus County, north of Winifred, m = Eagle Creek, Daniels County, south of Flaxville, n = East Fork Little Powder, Powder River County, southeast of Broadus, o = Elk Creek, Petroleum County, southwest of Winnett, p = Flat Creek, Phillips County, south of Malta, q = Fly Creek, Big Horn County, near Corinth, r = Ford's Creek, Fergus County, north of Grass Range, s = Foster Creek, Custer County, south of Miles City, t = Muddy Creek, Teton County, northeast of Collins, u = Murray Coulee, Blaine County, northeast of Hogeland, v = North Fork Burns Creek, Richland County, south of Lambert, w = Police Creek, Daniels County, southwest of Four Buttes, x = Snow Coulee, Valley County, north of Glasgow, y = South Sunday Creek, Rosebud County, northwest of Miles City, z = Steve's Fork, Garfield County, west of Jordan.

² Latitude and longitude of sampling sites and species lists will be sent to Steve Carson for incorporation into MFISH.

³ *Phoxinus* identified to genus only at present, specimens will be identified to species in lab in the future.

COLLECTION REPORT 2002

Comparative use of modified and natural habitats of the Upper Yellowstone River by juvenile salmonids.

Doug Rider

Species	Number collected	Number kept	Gear used	Dates	Location
Rainbow trout	1500	0	Electrofishing	April 1-Nov 25	Mallard's Rest fishing access to Mayor's Landing fishing access Yellowstone River Park County Livingston
Brown Trout	450	0			
Yellowstone Cutthroat Trout	75	0			
Mountain whitefish	200	0			
Mottled sculpin	2000	0			
Suckers	250	0			

4. Factors affecting the relative abundance of migratory and resident life history forms among lower Clark Fork River bull trout populations.

PI: Tom McMahon

Graduate Student: Nik Zymonas

Following is a listing of bull trout captured, not including those excursions led by Avista or FWP personnel. A right pelvic fin clip and scale samples were taken from all fish.

BLT= bull trout

<u>Stream</u>	<u>Date</u>	<u>Species</u>	<u>#</u>	<u>Kept</u>	<u>Length(in)</u>	<u>Gear</u>
Fish Trap Cr	9/30	BLT	1	0	9	Snorkel/Net
Rock Cr	9/29	BLT	1	0	10	Snorkel/Net
Swamp Cr	8/30	BLT	6	0	2.5	Electro
Vermillion R	8/23	BLT	13	0	2.5-7.5	Electro
"	9/29	BLT	5	0	8-9	Snorkel/Net

*All streams in the lower Clark Fork River basin, near Thompson Falls and Noxon.

REPORT OF FISH TAKEN UNDER A SCIENTIFIC COLLECTOR'S PERMIT -- Feb 2
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12/90 CH:mp

7. Effects of wild fire on nonnative fish invasion in the Bitterroot River drainage.

PI: Tom McMahon

Graduate Student: Clint Sestrich

Species Codes: 012 = Westslope Cutthroat Trout
 003 = Brook Trout
 005 = Bull Trout
 001 = Rainbow Trout
 004 = Brown Trout
 085 = Mountain Whitefish
 016 = Slimy Sculpin
 039 = Longnose Dace

STREAM	DISTANCE FROM MOUTH/ miles	Date Mark/ Recap	Gear	Species	Number Mark/Recap	Length Inches	# Kept
Bertie Lord Cr.	0.2	07/16/02 07/29/02	Back Pack Electrofishing	012	39/58	2-6	0
				003	1/0	4	
				005	1/0	6	
Cameron Cr.	10.1	07/29/02 08/06/02	Back Pack Electrofishing	012	60/70	2-6	0
				003	87/114	2-10	
Chicken Cr.	1.0	07/15/02 07/18/02	Back Pack Electrofishing	012	10/18	5-10	0
				003	11/8	4-9	
				005	0/1	5	
				085	3/0	8-9	
				016	2/0	?	
				039	2/0	4	
				sucker	4/0	5-13	
Divide Cr.	0.1	08/14/02 08/23/02	Back Pack Electrofishing	012	50/80	2-11	0
				005	21/38	2-11	
Laird Cr.	1.4	08/13/02 08/20/02	Back Pack Electrofishing	012	4/3	5-7	0
				003	1 /2	2-8	
				005	2/0	7-8	
				001	6/2	5-10	
				004	1/0	5	
Little Blue Joint Cr.	1.4	08/08/02 08/16/02	Back Pack Electrofishing	012	246/265	2-7	0
				003	10/7	2-9	
				005	1/0	9	
				016	3/8	?	
Mine Cr.	0.2	07/15/02 07/18/02	Back Pack Electrofishing	012	14/8	4-7	0
				003	43/30	2-9	
				005	1/0	10	

				016	5/1	?	
North Rye Cr.	1.9	07/22/02 07/30/02	Back Pack Electrofishing	012	12/16	4-9	0
				003	3/1	6-7	
Prairie Cr.	1.0	07/09/02 07/16/02	Back Pack Electrofishing	012	36/30	2-7	0
				003	1/0	5	
Reimel Cr.	2.6	07/17/02 07/23/02	Back Pack Electrofishing	012	9/4	4-10	0
				003	39/36	3-9	
				004	1/1	6	
Reimel Cr.	3.8	07/17/02 07/23/02	Back Pack Electrofishing	012	33/23	4-9	0
				003	32/36	4-9	
				005	0/1	7	
Rye Cr.	12.4	07/22/02 07/30/02	Bank/ Back Pack Electrofishing	012	140/118	3-9	0
				003	5/6	2-8	
Slate Cr.	1.6	08/01/02 08/07/02	Back Pack Electrofishing	012	94/97	2-10	0
				003	13/10	3-7	
				005	18/28	3-17	
				016	56/50	?	
Sleeping Child Cr.	14.5	08/14/02 08/23/02	Back Pack Electrofishing	012	29/44	3-10	0
				005	7/6	3-9	
Tolan Cr.	2.1	08/20/02 08/28/02	Back Pack Electrofishing	012	155/146	2-11	0
				003	13/12	2-7	
				005	2/1	8-9	
				001	5/9	4-9	
Tolan Cr.	5.1	08/19/02 08/26/02	Back Pack Electrofishing	012	99/90	2-9	0
				005	40/29	1-8	
Tolan Cr.	7.3	08/28/02 08/31/02	Back Pack Electrofishing	012	62/49	2-9	0
				005	42/34	3-9	
West Fork Camp Cr.	0.3	08/06/02 08/13/02	Back Pack Electrofishing	012	65/60	2-8	0
				003	10/5	2-6	
West Fork Bitterroot River	40.0	08/05/02 08/12/02	Back Pack Electrofishing	012	65/60	2-8	0
				005	23/17	2-18	
Woods Cr.	0.9	08/05/02 08/12/02	Back Pack Electrofishing	012	43/51	2-9	0
				003	8/10	1-8	
				005	9/10	3-8	
				016	100/68	?	

8. Factors limiting wild trout recruitment to Hebgen Reservoir.

Principle Investigator: Tom McMahon

Graduate Student: Darin Watschke

Species Collected	Number Collected	Species Kept	Length	Gear	Time of Year	Location
Rainbow Trout	3164	0	11-21 inches (277-514mm)	Upstream Migration Trap	March - July, 2002	Duck Cr. (Tributary to Hebgen Reservoir)
Rainbow Trout	1191	0	0.8-5.5 inches (21-135mm)	Downstream Fry Traps	May-Aug, 2002	Duck Cr.
Brown Trout	7	0	8.2-23 inches (208-559mm)	Upstream Migration Trap	March - July, 2002	Duck Cr.
Brown Trout	275	0	0.8-3 inches (21-77mm)	D.stream Fry & Upstream Mig. Traps	March -Aug, 2002	Duck Cr.
Eastern Brook Trout	5	0	3-6 inches (75-152mm)	Upstream Migration	May-Aug, 2002	Duck Cr.
Long Nose Dace	30	0	1.5-3 inches (38-75mm)	Downstream Fry Traps	May-Aug, 2002	Duck Cr.
Mottled Sculpin	203	0	0.5-3.3 inches (12-83mm)	Downstream Fry Traps	May-Aug, 2002	Duck Cr.

**9. Role of culverts in fragmenting fish populations in the Clearwater River
drainage basin, western Montana.**

Principal Investigator: Tom McMahon

Graduate Student: Drake Burford

Species Collected	Number Captured	Species Kept (mortalities)	Length (inches)	Gear Used (backpack)	Time of Year (mm/dd/yy)	Location Within Clearwater River Basin
Cutthroat trout	9	1	2 to 4	Electrofishing	27-08-02	Uhler Creek
Brook trout	74	3	2 to 7	Electrofishing	27-08-02	Uhler Creek
Cutthroat trout	28	3	1 to 5	Electrofishing	16-07-02	Clearwater River
Cutthroat trout	3	0	4 to 5	Electrofishing	22-08-02	East Fk. Clearwater River
Bull trout	22	0	3 to 6	Electrofishing	22-08-02	East Fk. Clearwater River
Cutthroat trout	65	3	2 to 5	Electrofishing	17-07-02	Richmond Creek
Brook trout	1	0	3	Electrofishing	17-07-02	Richmond Creek
Cutthroat trout	53	5	2 to 5	Electrofishing	17-07-02	Richmond Creek
Brook trout	4	0	3 to 4	Electrofishing	17-07-02	Richmond Creek
Cutthroat trout	27	1	2 to 6	Electrofishing	18-07-02	Unnamed Trib to Clearwater River
Brook trout	22	0	2 to 7	Electrofishing	18-07-02	Unnamed Trib to Clearwater River
Brook Stickleback	15	1	1.5 to 3	Electrofishing	18-07-02	Unnamed Trib to Clearwater River
Cutthroat trout	46	0	2 to 6	Electrofishing	18-07-02	Unnamed Trib to Clearwater River
Brook trout	17	0	2 to 6	Electrofishing	18-07-02	Unnamed Trib to Clearwater River
Cutthroat trout	1	0	3	Electrofishing	23-07-02	Unnamed Trib to Marshall Creek
Brook trout	40	0	2 to 7	Electrofishing	23-07-02	Unnamed Trib to Marshall Creek
Cutthroat trout	38	1	2 to 6	Electrofishing	19-07-02	Fawn Creek
Bull trout	1	0	6	Electrofishing	19-07-02	Fawn Creek
Brook trout	2	0	5 to 6	Electrofishing	19-07-02	Fawn Creek
Slimy sculpin	38	0	1.5 to 3	Electrofishing	19-07-02	Fawn Creek
Brook trout	76	4	2 to 7	Electrofishing	29-07-02	Swamp Creek
Slimy sculpin	4	1	2 to 3	Electrofishing	29-07-02	Swamp Creek
Cutthroat trout	3	0	3 to 4	Electrofishing	25-07-02	Unnamed Trib to Inez Creek
Brook trout	64	0	2 to 5	Electrofishing	25-07-02	Unnamed Trib to Inez Creek
Cutthroat trout	21	1	3 to 6	Electrofishing	25-07-02	Inez Creek
Cutthroat trout	44	3	2 to 6	Electrofishing	26-07-02	Unnamed Trib to Camp Creek
Brook trout	10	0	3 to 5	Electrofishing	26-07-02	Unnamed Trib to Camp Creek
Cutthroat trout	18	0	3 to 5	Electrofishing	27-07-02	Findell Creek
Brook trout	12	0	2 to 5	Electrofishing	27-07-02	Findell Creek
Cutthroat trout	19	0	2 to 5	Electrofishing	28-07-02	Camp Creek
Cutthroat trout	15	1	2 to 6	Electrofishing	13-08-02	Fawn Creek
Cutthroat trout	14	0	3 to 7	Electrofishing	14-08-02	Findell Creek
Cutthroat trout	40	1	1 to 8	Electrofishing	21-08-02	Benedict Creek
Brook trout	13	0	2 to 6	Electrofishing	21-08-02	Benedict Creek
Brook X Bull Hybrid	3	0	5 to 6	Electrofishing	21-08-02	Benedict Creek
Cutthroat trout	26	5	1 to 8	Electrofishing	23-08-02	Benedict Creek
Bull trout	8	0	5 to 9	Electrofishing	23-08-02	Benedict Creek
Brook trout	31	2	2 to 6	Electrofishing	23-08-02	Benedict Creek
Brown trout	4	0	4 to 6	Electrofishing	23-08-02	Benedict Creek
Cutthroat trout	26	3	1 to 8	Electrofishing	23-08-02	Benedict Creek
Bull trout	3	0	7 to 8	Electrofishing	23-08-02	Benedict Creek
Brook trout	31	1	2 to 6	Electrofishing	23-08-02	Benedict Creek
Brown trout	3	0	5 to 6	Electrofishing	23-08-02	Benedict Creek
Cutthroat trout	32	2	2 to 6	Electrofishing	28-08-02	Inez Creek
Cutthroat trout	12	0	4 to 6	Electrofishing	29-08-02	Rice Creek