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9 December 2005

Ken McDonald, Special Projects Supervisor
Montana Department of Fish, Wildlife and Parks
1420 East Sixth Avenue
P.O. Box 200701
Helena, MT 59620-0701

Dear Ken:

This is a report on fish collections I made under Scientific Collector's Permit No. SCP-10-05 during 2005. Collections were made at 21 sites in Upper Sevenmile Creek, Dawson County, Montana, during the period 25 July to 8 August 2005. Site location data are given in Table 1 and Figure 1.

Capture-removal estimates were made at each site using block nets and seines (two 7.5-m x 1.2-m x 6.3-mm mesh straight seines, one 8.2-m x 1.5-m x 6.3-mm mesh bag seine, one 12.1-m x 1.8-m x 6.3-m straight seine, and one 3.6-m x 1.5-m x 6.3-mm mesh straight seine); minnow traps (length = 38.1 cm; outer diameter = 17.8 cm; entry port diameter = 5.0 cm; mesh = 1.0 mm) were used to semi-quantitatively sample several spring holes where sediment was too deep to permit wading. I accompanied Roy Molstad and Brad Tribby of FWP when they sampled Lindsay Reservoir (Site L) on 3-4 August 2005. We used a 2.4-m x 50.0-m shore seine and two 2.4-m x 41.7-m experimental gill nets to perform this sample. Although technically the Lindsay Reservoir sampling was not performed under my own permit, I include the data for the sake of completeness. All fish were identified, counted, and released at the site of collection. Species and numbers collected are given in Table 2.

Thank you for issuing this permit! I'm preparing a more detailed report of my 2004 Upper Sevenmile Creek fish community studies for Brad Schmitz in Miles City and will send a copy to your office upon its completion.

Sincerely,

Mark D. Barnes
Associate Professor

cc: Brad Schmitz

Table 1. Locations of sampling sites in Upper Sevenmile Creek, Dawson County, Montana, 2005.

Site No.	County	Quadrangle*	Township	Range	Section	Latitude	Longitude	Stream Km	Elevation (m)	Date Sampled
1	Dawson	Forest Park	15N	55E	4	47°05'26"	104°45'16"	0.0	626.4	8/08/2005
2	Dawson	Forest Park	16N	55E	33	47°05'41"	104°45'41"	1.0	634.0	8/05/2005
3	Dawson	Forest Park	16N	55E	32	47°06'06"	104°47'28"	4.8	647.2	7/29/2005
4	Dawson	Forest Park	16N	54E	36	47°05'43"	104°48'56"	8.0	658.9	7/27/2005
5	Dawson	Forest Park	16N	54E	36	47°05'49"	104°49'07"	8.2	659.0	7/25/2005
6	Dawson	Forest Park	16N	54E	36	47°05'49"	104°49'21"	8.8	661.1	7/27/2005
7	Dawson	Forest Park	16N	54E	36	47°05'49"	104°49'31"	9.1	665.0	7/27/2005
8	Dawson	Forest Park	16N	54E	35	47°06'05"	104°50'46"	11.5	677.9	8/04/2005
9	Dawson	Forest Park	16N	54E	35	47°05'59"	104°50'59"	11.8	679.7	8/03/2005
10	Dawson	Forest Park	16N	54E	34	47°06'16"	104°51'33"	13.0	684.5	7/29/2005
11	Dawson	Forest Park	16N	54E	34	47°06'23"	104°51'50"	13.4	690.1	7/28/2005
12	Dawson	Pleasant View	16N	54E	28	47°06'40"	104°53'02"	15.7	701.4	7/28/2005
13	Dawson	Pleasant View	16N	54E	28	47°06'40"	104°53'22"	16.2	703.2	8/02/2005
14	Dawson	Pleasant View	16N	54E	28	47°06'51"	104°53'26"	16.6	705.4	8/02/2005
15	Dawson	Pleasant View	16N	54E	28	47°06'55"	104°53'55"	17.4	708.3	8/01/2005
16	Dawson	Woodrow	16N	52E	28	47°12'15"	105°06'28"	47.7	796.3	8/01/2005
L**	Dawson	Lindsay	17N	51E	24	47°13'06"	105°08'30"	54.9	817.5	8/03-04/2005
17	Dawson	Lindsay	17N	51E	16	47°13'42"	105°13'01"	64.2	837.7	7/25/2005
18	Dawson	Lindsay	17N	51E	16	47°13'37"	105°13'14"	65.0	842.0	7/25/2005
19	Dawson	Lindsay	17N	51E	16	47°13'37"	105°13'41"	66.1	846.3	7/25/2005
20	Dawson	Union School	17N	50E	13	47°13'44"	105°17'53"	75.7	890.0	7/25/2005

*U.S. Geological Survey, 7.5 Minute series (Topographic).

**Lindsay Reservoir as measured at dam.

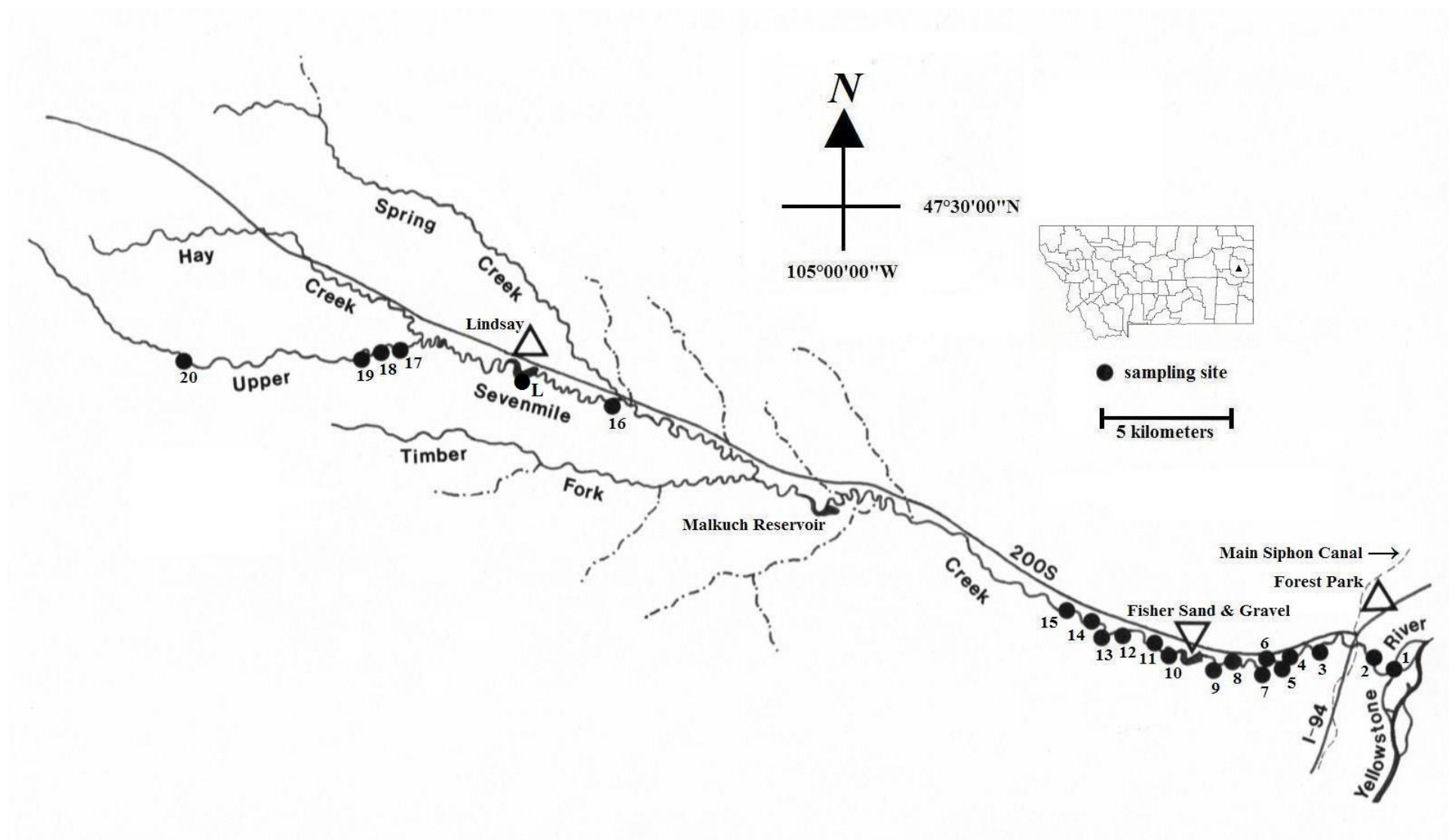


Figure 1. Map of the Upper Sevenmile Creek system, Dawson County, Montana, showing sites sampled in 2005.

Table 2. Species and numbers of fishes collected in Upper Sevenmile Creek, Dawson County, Montana, 25 July – 8 August 2005.

Common Name	Scientific Name	Number/Site ¹																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	L	17	18	19	20	Σ
goldeye	<i>Hiodon alosoides</i>																						
common carp	<i>Cyprinus carpio</i>	2								1								37					40
western silvery/ plains minnow	<i>Hybognathus argyritis/ placitus</i>																						
brassy minnow	<i>Hybognathus hankinsoni</i>	1	1		8						2	1											13
emerald shiner	<i>Notropis atherinoides</i>																						
sand shiner	<i>Notropis stramineus</i>		2	63	3																		68
fathead minnow	<i>Pimephales promelas</i>	10		159	22						3	2	28	19	16	2		2					263
flathead chub	<i>Platygobio gracilis</i>	38																					38
longnose dace	<i>Rhinichthys cataractae</i>	18		2									4	1		1							26
creek chub	<i>Semotilus atromaculatus</i>	2	3	7			2		3		4	3	8	107	25	64							228
longnose sucker	<i>Catostomus catostomus</i>	1																					1
white sucker	<i>Catostomus commersoni</i>	3		9							1		1	19	14	89							136
smallmouth buffalo	<i>Ictiobus bubalus</i>	5																					5
river carpsucker	<i>Carpionodes carpio</i>																						
stonecat	<i>Noturus flavus</i>		1																				1
black bullhead	<i>Ameiurus melas</i>		1		1					10								145					157
yellow bullhead	<i>Ameiurus natalis</i>																						
channel catfish	<i>Ictalurus punctatus</i>	3																					3
northern pike	<i>Esox lucius</i>																	14					14
burbot	<i>Lota lota</i>																						
plains killifish	<i>Fundulus zebrinus</i>			18					12					1									31
brook stickleback	<i>Culaea inconstans</i>																		1				1
green sunfish	<i>Lepomis cyanellus</i>									3		3	3	10									19
yellow perch	<i>Perca flavescens</i>																37						37
TOTAL (Σ)		83	8	258	34	0	2	0	15	14	10	9	44	157	55	156	0	235	0	1	0	0	1081

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 -- 2004
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 Mark D. Barnes				E-mail: markdonaldbarnes@yahoo.com	
				Telephone No. & Area Code +886-2-2862-7335	
Street Address Department of Natural Resources, Chinese Culture University, 55 Hwa Kang Road					
City Taipei			Province Taiwan (R.O.C.)		Zip Code 11192
1 Species Taken	2 Approximate Number Taken	3 Size Range Inches	4 Gear Used	5 Time of Year	6 Water and Location
goldeye	0	--	seines	3	Upper Sevenmile Creek (See attachment.)
common carp	40	< 6 - 19	seines/gill net	3	Upper Sevenmile Creek (See attachment.)
western silvery/ plains minnow	0	--	seines	3	Upper Sevenmile Creek (See attachment.)
brassy minnow	13	< 6	seines	3	Upper Sevenmile Creek (See attachment.)
emerald shiner	0	--	seines	3	Upper Sevenmile Creek (See attachment.)
sand shiner	68	< 6	seines	3	Upper Sevenmile Creek (See attachment.)
fathead minnow	263	< 6	seines/gill nets	3	Upper Sevenmile Creek (See attachment.)
flathead chub	26	< 6	seines	3	Upper Sevenmile Creek (See attachment.)
longnose dace	26	< 6	seines	3	Upper Sevenmile Creek (See attachment.)
creek chub	228	< 6	seines	3	Upper Sevenmile Creek (See attachment.)
smallmouth buffalo	5	<6	seines	3	Upper Sevenmile Creek (See attachment.)
longnose sucker	1	8			
white sucker	136	<6 - 12	seines	3	Upper Sevenmile Creek (See attachment.)
river carpsucker	0	--	seines	3	Upper Sevenmile Creek (See attachment.)
plains killifish	31	<6	seines	3	Upper Sevenmile Creek (See attachment.)
stonecat	1	< 6	seines	3	Upper Sevenmile Creek (See attachment.)
black bullhead	157	< 6 - 7	seines/gill nets	3	Upper Sevenmile Creek (See attachment.)
yellow bullhead	0	--	seines	3	Upper Sevenmile Creek (See attachment.)
channel catfish	3	<6	seines	3	Upper Sevenmile Creek (See attachment.)
northern pike	2 - 36	9-12	seines/gill nets	3	Upper Sevenmile Creek (See attachment.)
burbot	0	--	seines	3	Upper Sevenmile Creek (See attachment.)
yellow perch	37	< 6 - 6	seines/gill nets		
green sunfish	19	< 6	seines	3	Upper Sevenmile Creek (See attachment.)

