

MONTANA FISH AND GAME DEPARTMENT
FISHERIES DIVISION
HELENA, MONTANA

JOB COMPLETION REPORT
RESEARCH PROJECT SEGMENT

State of Montana Name Fishery Investigation Laboratory
Project No. F-23-R-6 Title Age and Growth Studies and Analysis of
Bottom Samples in Connection with
Job No. I & II Pollution Studies
Period Covered July 1, 1962 to June 30, 1963

Abstract:

Over 5,000 scales were processed in the laboratory during the report period. Summary tables, listing the age and growth records from 1948 through 1961, are included in this report. No benthos analysis work was done during the year.

Objectives:

In formulating a sound fisheries management program it is necessary to know the growth rates and age composition of fish populations throughout the state. This laboratory provides facilities for processing scale samples; determining age and growth rates from the scales; and maintaining files for the age and growth information. The laboratory is located at Montana State College and allows for utilization of trained student assistants in both scale work and analysis of bottom samples.

Techniques and Findings:

During 1962-63, over 5,000 scale samples were received and mounted in the laboratory. The information from the scale envelopes was tabulated on data sheets. The mounted scales and data sheets were sent to the biologist who made the collection. After the scales were read, the information is returned to the laboratory age and growth file.

A summary was compiled from age and growth records collected from 1948 through 1961 listing the species and individual waters within a major drainage. TABLE I describes the mean calculated total length in inches at each annulus by species from each water within a major drainage. TABLE II describes the mean calculated total length in inches at each annulus by species for: (1) all lakes; (2) all streams; and (3) the grand average for all waters. The term "lakes" includes all lacustrine waters. TABLE III lists the major drainage in the state.

Lengths at each annulus were calculated with a nomograph, assuming a straight line growth relationship with the intercept at zero. All the information in this report is on file at the Fisheries Laboratory, Montana State College, Bozeman. A bibliography is included in this report listing age and growth investigations in Montana.

TABLE I. Age and growth of Montana fish. Average calculated total length, in inches, are shown for each annulus. The number of fish is indicated by the number in parenthesis.

SALMONIDAE

Lake Whitefish, Coregonus clupeaformis

Year Collected		I	II	III	IV	V	VI	VII	VIII
CLARKS FORK RIVER DRAINAGE (Lakes)									

Noxon Rapids Reservoir 5-9328-5	1961	7.0 (54)	10.9 (53)	14.0 (53)					
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FLATHEAD RIVER
DRAINAGE
(Streams)

Swan River 7-4560-1	1961	3.9 (6)	7.8 (6)	11.4 (6)	13.1 (5)	14.6 (2)			
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Mountain Whitefish, Prosopium williamsoni

BIG HOLE RIVER
DRAINAGE
(Streams)

Big Hole River 2-475-1	1959	3.1 (34)	6.4 (31)	9.3 (27)	10.8 (23)	13.4 (6)	16.1 (1)		
Big Hole River 2-475-1	1959	4.4 (19)	8.9 (19)	11.1 (14)	12.9 (2)				
Steel Creek 2-5950-1	1959	3.1 (45)	6.7 (43)	9.6 (31)	11.5 (20)	13.2 (12)	14.8 (4)	15.4 (2)	
Trail Creek 2-6450-1	1959	3.1 (5)	6.3 (4)	9.2 (3)	10.5 (1)				
Wise Creek 2-7025-1	1959	2.8 (7)	5.9 (7)	9.1 (7)	11.2 (7)	12.3 (2)			

BITTERROOT RIVER
DRAINAGE
(Lakes)

Como Lake 3-7675-3	1958	3.7 (21)	7.9 (21)	10.2 (10)	11.9 (4)	13.6 (1)			
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Mountain Whitefish, Prosopium williamsoni cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
BLACKFOOT RIVER DRAINAGE (Lakes)									
Alva Lake 4-6120-3	1948	4.1 (26)	8.2 (18)	10.3 (3)	12.3 (1)				
Alva Lake 4-6120-3	1954	3.8 (18)	8.1 (18)	10.4 (18)	11.5 (7)				
Alva Lake 4-6120-3	1955	3.9 (54)	7.8 (54)	9.7 (46)	10.7 (30)	11.7 (11)	13.1 (1)	14.0 (1)	
Inez Lake 4-6720-3	1954	3.6 (23)	7.4 (23)	9.5 (12)	9.5 (1)				
Inez Lake 4-6720-3	1955	3.6 (48)	7.1 (42)	9.0 (35)	9.9 (13)	11.5 (1)			
Inez Lake 4-6720-3	1961	3.5 (25)	6.6 (25)	8.7 (23)	10.0 (18)	10.8 (7)	11.1 (1)		
Placid Lake 4-7140-3	1948	3.7 (25)	7.0 (23)	9.3 (19)	10.3 (6)				
Placid Lake 4-7140-3	1955	4.0 (52)	7.8 (52)	9.5 (42)	10.8 (26)	12.5 (5)	13.3 (2)		
Rainy Lake 4-7170-3	1948	3.9 (44)	7.5 (44)	8.7 (8)	11.2 (2)	10.9 (1)			
Salmon Lake 4-7230-3	1948	3.5 (70)	8.4 (58)	10.5 (22)	12.4 (1)				
Salmon Lake 4-7230-3	1955	3.7 (50)	8.3 (50)	10.3 (48)	11.3 (18)	12.6 (1)			
Salmon Lake 4-7230-3	1961	3.2 (33)	6.6 (32)	9.4 (29)	10.5 (15)	11.7 (7)	13.0 (3)		
Seeley Lake 4-7260-3	1948	3.5 (15)	7.9 (15)	10.6 (13)	12.5 (7)	13.4 (3)			
Seeley Lake 4-7260-3	1954	3.6 (9)	8.4 (9)	10.8 (8)	12.3 (1)				
Seeley Lake 4-7260-3	1955	3.2 (47)	7.3 (47)	8.6 (45)	10.2 (19)				

Mountain Whitefish, Prosopium williamsoni cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
BLACKFOOT RIVER DRAINAGE (Streams)									
Clear Water River	1951	3.8	6.6	8.3	9.6	10.4			
4-1290-1		(55)	(31)	(21)	(12)	(3)			
CLARK FORK OF THE COLUMBIA RIVER DRAINAGE (Streams)									
Cedar Creek	1957	4.0	7.6	10.2	12.2	13.5			
5-1296-1		(47)	(28)	(19)	(10)	(3)			
Clark Fork	1958	4.4	8.3	10.9	12.3				
		(54)	(26)	(18)	(12)				
Prospect Creek	1960	2.6	5.4	7.3					
5-5648-1		(23)	(23)	(2)					
Rock Creek	1959	3.6	7.3	9.4	11.5	13.3	17.1	19.0	
		(160)	(129)	(69)	(26)	(9)	(1)	(1)	
Rock Creek	1960	2.8	6.2	8.8	10.6	12.4	13.5	13.9	16.7
		(377)	(209)	(168)	(94)	(49)	(28)	(16)	(3)
									IX 17.4 (1)
Trout Creek	1957	3.6	5.9						
5-7408-1		(18)	(4)						
Vermillion River	1960	2.6	4.7						
5-7712-1		(6)	(6)						
FLATHEAD RIVER DRAINAGE (Lakes)									
Doctor Lake	1960	1.8	3.3	4.7	6.2	7.6	8.9	10.0	11.1
8-8520-3		(7)	(7)	(7)	(7)	(6)	(5)	(4)	(3)
							IX 12.7 (2)	X 13.5 (2)	XI 13.6 (1)
Hungry Horse Res.	1958	3.3	7.0	9.3	10.8	11.3	12.5	13.8	14.6
8-8860-5		(103)	(99)	(77)	(48)	(14)	(3)	(2)	(2)

Mountain Whitefish, Prosopium williamsoni cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
FLATHEAD RIVER DRAINAGE (Lakes) cont.									
Hungry Horse Res.	1961	3.4	7.4	10.0	11.8	12.7	13.7		
8-8860-5		(119)	(114)	(94)	(61)	(27)	(5)		
(Streams)									
Nine Mile	1960	2.7	5.2	7.8	10.4				
8-5040-1		(9)	(8)	(7)	(2)				
MADISON RIVER DRAINAGE (Streams)									
Madison River	1950	4.3	9.4	12.1	13.5	14.7	14.7		
13-3440-1		(68)	(68)	(63)	(44)	(12)	(1)		
MARIAS RIVER DRAINAGE (Streams)									
Cut Bank Creek	1960	3.7	7.0	9.6	10.7				
14-1120-1		(33)	(32)	(21)	(5)				
Marias River	1961	4.1	6.3	11.0	12.1	14.4			
(Dam Section)		(14)	(7)	(1)	(1)	(1)			
14-3240-2									
MISSOURI RIVER DRAINAGE (Lakes)									
Canyon Ferry Res.	1958	5.2	8.2	9.9	11.8	13.5			
17-8832-5		(10)	(6)	(4)	(3)	(3)			
(Streams)									
Belt Creek	1960	3.3	6.4	9.3	11.1	12.4	13.8	15.4	17.3
17-544-1		(27)	(24)	(22)	(18)	(11)	(4)	(2)	(1)
Big Spring Creek	1960	6.5	11.5	13.6	15.1	16.1			
16-300-1		(9)	(9)	(9)	(5)	(3)			
Sheep Creek	1960	3.2	6.2	8.3					
17-6544-1		(15)	(14)	(3)					
Smith River	1960	3.7	7.4	9.4	10.6	11.7	12.9		
17-6832-1		(76)	(63)	(27)	(17)	(6)	(2)		

Mountain Whitefish, Prosopium williamsoni cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
YELLOWSTONE RIVER DRAINAGE (Lakes)									
East Rosebud Lake	1948	2.7	4.8	6.9					
22-7714-3		(16)	(16)	(15)					
(Streams)									
Boulder River	1948	4.0	8.0	10.9	12.6	14.5			
		(14)	(14)	(13)	(3)	(1)			
East Rosebud Cr.	1948	3.5	7.8	10.7	12.2	13.4			
22-2254-1		(6)	(6)	(6)	(5)	(1)			
Little Bighorn River	1959	3.9	7.6	9.9	10.9				
22-3668-1		(5)	(3)	(1)	(1)				
Stillwater River	1948	4.1	7.9	10.4	12.2	14.8	16.5	16.2	
		(60)	(57)	(48)	(24)	(1)	(2)	(1)	
West Fork Stillwater River	1952	3.2	6.9	9.9	13.0				
22-6664-1		(7)	(7)	(7)	(5)				
West Rosebud Cr.	1948	2.6	5.4	8.9	11.3	12.7			
22-6804-1		(7)	(7)	(7)	(6)	(4)			

Kokanee, Onchorhynchus nerka

BLACKFOOT RIVER
DRAINAGE
(Lakes)

Placid Lake	1950	3.1	7.8	9.5	11.0				
4-7140-3		(5)	(5)	(4)	(4)				
Salmon Lake	1961	4.1	8.8						
4-7230-3		(16)	(6)						

CLARK FORK
COLUMBIA RIVER
DRAINAGE
(Lakes)

Middle Thompson Lake	1953	4.7	10.9						
5-9232-3		(32)	(31)						

Kokanee, Onchorhynchus nerka cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
CLARK FORK COLUMBIA RIVER DRAINAGE (Lakes) cont.									

Middle Thompson Lake 5-9232-3	1958	4.2 (37)	8.4 (17)	10.6 (11)					
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Georgetown Lake 6-7961-5	1961	4.0 (8)	9.0 (8)	10.7 (5)					
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YELLOWSTONE RIVER
DRAINAGE
(Lakes)

Dailey Lake 22-7644-3	1955	4.5 (26)	10.2 (26)	13.4 (26)	16.2 (16)	18.4 (3)			
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Coho Salmon, Oncorhynchus kisutch

BLACKFOOT RIVER
DRAINAGE
(Lakes)

Placid Lake 4-7140-3	1948	3.3 (25)	7.3 (25)	9.5 (25)	10.9 (22)	10.9 (3)			
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CLARK FORK
COLUMBIA RIVER
DRAINAGE
(Lakes)

Georgetown Lake 6-7961-5	1950	5.2 (107)	10.6 (90)						
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Georgetown Lake 6-7961-5	1958	3.6 (8)	8.7 (8)	13.3 (3)	17.5 (2)				
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Golden Trout, Salmo aquabonita

MADISON RIVER
DRAINAGE
(Lakes)

Avalanche Lake 13-6880-3	1960	2.8 (10)	6.9 (10)						
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Blue Danube Lake 13-6960-3	1952	6.0 (15)	9.4 (14)	11.4 (13)	13.2 (6)				
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Cutthroat Trout, Salmo clarki

	Year Collected	I	II	III	IV	V	VI	VII	VIII
BEAVERHEAD RIVER DRAINAGE (Lakes)									
Deadman Lake 1-8720-3	1953	3.8 (15)	7.0 (14)	10.6 (6)					
(Streams)									
Clark Creek 1-1340-1	1952	3.1 (18)	5.5 (16)	8.0 (4)					
Clark Creek 1-1340-1	1952	3.2 (5)	6.3 (4)						
Taylor Creek 1-7600-1	1952	3.1 (4)	5.8 (4)	7.5 (1)					
BIG HOLE RIVER DRAINAGE (Lakes)									
Darkhorse Lake 2-7700-3	1959	4.2 (21)	6.7 (12)	9.6 (9)					
BITTERROOT RIVER DRAINAGE (Lakes)									
Lower Twin Lake 3-9475-3	1958	2.4 (32)	4.8 (32)	7.0 (32)	11.3 (3)	14.4 (1)			
(Streams)									
Hughes Creek 3-2775-1	1952	3.4 (53)	5.8 (34)	7.3 (4)					
Lost Horse Creek 3-3500-1	1961	2.5 (11)	4.4 (9)	6.3 (4)	6.3 (1)				
Meadow Creek 3-3800-1	1952	3.0 (63)	4.9 (51)	6.5 (29)	8.0 (6)				
Miller Creek 3-3975-1	1959	2.8 (53)	5.5 (33)	7.3 (4)					
Miller Creek 3-3975-1	1961	3.0 (19)	5.1 (4)	7.4 (3)					
South Fork Skalkaho Creek 3-5850-1	1952	2.8 (28)	5.0 (25)	6.9 (11)	8.5 (5)				

Cutthroat Trout, Salmo clarki cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
BLACKFOOT RIVER DRAINAGE (Lakes)									
Alva Lake 4-6120-3	1948	3.7 (76)	7.1 (56)	10.7 (34)	13.2 (6)				
Alva Lake 4-6120-3	1955	2.7 (8)	5.7 (8)	8.6 (7)	12.3 (5)				
Inez Lake 4-6720-3	1961	2.4 (5)	4.7 (5)	6.9 (5)	11.5 (5)	15.0 (3)			
Lower Twin Lakes 4-6900-3	1961	2.9 (7)	6.4 (7)	9.8 (6)	12.4 (2)				
Parker Lake 4-7080-3	1959	3.0 (58)	6.7 (57)	10.2 (39)	12.7 (11)	17.2 (1)			
Placid Lake 4-7140-3	1948	3.7 (46)	6.0 (46)	9.0 (42)	11.6 (20)	13.5 (5)			
Placid Lake 4-7140-3	1956	2.5 (6)	5.6 (6)	8.9 (5)	11.2 (3)				
Placid Lake 4-7140-3	1956	2.5 (29)	5.0 (29)	8.4 (28)	11.0 (14)	13.2 (4)			
Rainy Lake 4-7170-3	1948	3.5 (100)	6.4 (75)	9.5 (26)	10.0 (2)				
Salmon Lake 4-7230-3	1948	2.9 (26)	5.3 (26)	8.9 (22)	11.2 (12)				
Seeley Lake 4-7260-3	1948	3.3 (52)	6.1 (52)	10.8 (45)	12.7 (16)	12.3 (1)			
Seeley Lake 4-7260-3	1955	2.2 (22)	4.7 (22)	8.8 (22)	11.4 (13)				
Upper Twin Lake 4-7530-3	1961	3.4 (16)	6.6 (12)	10.8 (11)	15.0 (11)	18.0 (5)			
Webb Lake 4-7590-3	1959	3.3 (31)	7.6 (31)	10.0 (16)	13.5 (7)				
(Streams)									
Blackfoot River 4-660-1	1948	4.1 (24)	8.1 (19)	12.5 (2)					

Cutthroat Trout, Salmo clarki cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
BLACKFOOT RIVER DRAINAGE (Streams) cont.									
Clearwater River	1957	2.6	4.6	6.8					
4-1290-1		(41)	(25)	(6)					
Placid Creek	1950	3.3	5.4	8.2					
4-4230-1		(84)	(44)	(10)					
West Fork	1950	3.2	5.4	7.3					
Clearwater River		(51)	(18)	(3)					
4-5730-1									
CLARK FORK COLUMBIA RIVER DRAINAGE (Lakes)									
Bowman Lake	1961	2.8	6.1	8.9					
6-7467-3		(24)	(26)	(25)					
Cabin Lake	1961	2.3	7.1	10.0					
5-8496-3		(17)	(17)	(17)					
Carp Lake	1951	4.1	5.7						
6-9576		(8)	(7)						
Fisher Lake	1958	3.1	6.4	9.3	11.0				
6-7809-3		(13)	(13)	(8)	(4)				
Georgetown Lake	1950	3.3	8.7	13.8	16.5	19.1			
6-7961-5		(91)	(91)	(67)	(53)	(1)			
Georgetown Lake	1953	3.8	8.9	14.1	17.6	19.4			
6-7961-5		(25)	(25)	(22)	(17)	(5)			
Georgetown Lake	1958	3.9	9.4	13.6	16.7	21.3			
6-7961-5		(124)	(119)	(47)	(15)	(1)			
Georgetown Lake	1960	2.5	6.1	9.8	12.8	14.0			
6-7961-5		(111)	(111)	(99)	(53)	(1)			
Georgetown Lake	1961	2.7	7.0	10.6	12.6				
6-7961-5		(8)	(8)	(3)	(1)				
Lower Elliot Lake	1959	2.8	5.1	6.8	8.5				
6-8540-3		(23)	(23)	(16)	(3)				

Cutthroat Trout, Salmo clarki cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
CLARK FORK COLUMBIA RIVER DRAINAGE (Lakes) cont.									
Lower Thompson Lake 5-9152-3	1955	3.1 (11)	6.3 (9)	9.2 (6)					
Lower Thompson Lake 5-9152-3	1956	2.7 (10)	6.2 (10)	9.5 (5)	11.8 (1)				
Medicine Lake 6-8702-3	1956	3.0 (40)	6.3 (35)	10.2 (13)	12.4 (3)				
Middle Thompson Lake	1956	2.3 (29)	5.2 (29)	8.7 (24)	12.1 (10)	15.4 (3)	17.7 (1)		
Stoney Lake 6-9272-3	1961	3.6 (30)	6.7 (35)	9.3 (25)	11.4 (14)	14.0 (3)			
Upper Elliot 6-8797-3	1959	2.7 (49)	4.9 (49)	6.6 (25)	8.8 (2)				
(Streams)									
Boiling Springs Creek 5-736-1	1952	4.2 (27)	7.2 (3)						
Boulder Creek 6-646-1	1961	3.6 (35)	6.3 (12)	9.9 (1)					
Cedar Creek 5-1296-1	1957	3.3 (21)	5.9 (7)	6.6 (1)					
Clark Fork Station 10	1961	2.8 (10)	7.4 (5)	14.3 (1)					
Dry Creek 5-2160-	1957	3.4 (33)	5.8 (5)	8.2 (1)					
Flint Creek 6-2261-1	1953	2.6 (22)	4.9 (12)	6.8 (5)	9.2 (2)				
Little Blackfoot River 6-3591-1	1956	3.0 (38)	5.4 (19)	7.2 (2)					

Cutthroat Trout, Salmo clarki cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
CLARK FORK COLUMBIA RIVER DRAINAGE (Streams) cont.									
Little Blackfoot River 6-3591-1	1960	3.1 (19)	5.8 (16)	7.2 (1)					
Mill Creek 5-4800-1	1959	4.0 (10)	6.4 (3)	9.1 (1)					
Prospect Creek 5-5648-1	1960	1.9 (13)	4.2 (9)	7.1 (2)	10.4 (1)				
Ranch Creek 6-5111-1	1959	3.4 (60)	5.8 (40)	8.2 (16)	10.8 (2)				
Rock Creek	1948	3.4 (7)	6.0 (5)						
Rock Creek	1958	2.7 (138)	6.5 (130)	9.9 (37)	12.7 (5)	15.4 (2)			
Rock Creek	1959	2.8 (106)	5.8 (100)	8.7 (36)	12.3 (3)	15.7 (1)			
Rock Creek	1960	2.9 (24)	5.1 (9)	10.6 (1)					
Slimmer Creek 5-6416-	1953	3.7 (11)							
Trout Creek 5-7408-1	1957	2.7 (42)	5.8 (14)						
Twelve Mile Creek 5-7488-1	1953	3.4 (10)	5.2 (8)	7.3 (3)					
Twelve Mile Creek 5-7488-1	1953	2.4 (46)	4.6 (15)	6.2 (1)					
Upper Willow Cr. 6-6783-1	1948	3.3 (58)	5.1 (48)	6.7 (16)					
Vermillion Creek 5-7712-1	1960	2.0 (11)	4.3 (6)	6.9 (1)					
West Fork Rock Creek 6-7030-1	1956	2.8 (43)	5.0 (38)	6.9 (18)	8.5 (2)				

Cutthroat Trout, Salmo clarki cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
FLATHEAD RIVER DRAINAGE (Lakes)									
Ashley Lake 7-5220-3	1951	4.8 (2)	9.4 (2)	14.0 (2)	15.3 (1)				
Ashley Lake 7-5220-3	1951	4.2 (3)	7.4 (3)	10.3 (3)	15.6 (3)				
Ashley Lake 7-5220-3	1951	4.2 (10)	8.5 (10)	14.7 (10)	13.2 (1)	16.5 (1)			
Big Salmon Lake 8-8140-	1960	2.4 (36)	4.9 (36)	7.9 (31)	11.1 (16)	12.7 (2)			
Cedar Lake 7-5680-3	1956	2.3 (26)	5.0 (25)	7.6 (19)	9.6 (4)	11.0 (1)			
Cyclone Lake 8-8480-3	1960	2.4 (7)	4.0 (5)	6.7 (5)	9.8 (3)	9.8 (1)			
Doctor Lake 8-8520-3	1960	2.1 (21)	4.9 (21)	6.9 (21)	8.9 (19)	10.3 (13)	11.3 (3)		
Lower Fish Lake 7-7540-3 #1	1961	3.1 (20)	5.5 (17)	7.5 (17)	9.1 (8)				
Upper Fish Lake 7-9320-3 #2	1961	2.8 (6)	6.0 (6)	9.4 (5)	11.0 (1)				
Hemlock Lake 7-6680-3	1950	5.3 (5)	7.6 (5)	8.6 (1)					
Hungry Horse Res. 8-8860-3	1958	2.8 (70)	5.8 (66)	9.5 (45)	12.2 (23)	13.7 (6)			
Hungry Horse Res. 8-8860-3	1958	2.0 (13)	3.3 (10)	7.3 (10)	11.3 (9)	12.9 (8)	14.5 (3)		
Hungry Horse Res. 8-8860-3	1961	2.4 (51)	4.6 (51)	8.0 (43)	12.3 (37)	14.5 (29)	15.2 (7)		
Kintla Lake (Glacier Park)	1960	2.4 (4)	5.9 (4)	10.0 (3)	11.7 (3)				
Koessler Lake 8-9000-3	1960	2.4 (13)	5.6 (15)	9.1 (15)	11.5 (12)				
Lick Creek Lake 8-9100-	1960	3.0 (8)	6.2 (8)	9.3 (5)	12.0 (2)				

Cutthroat Trout, Salmo clarki cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
FLATHEAD RIVER DRAINAGE (Lakes) cont.									
Lost Lake 7-7470-3	1956	2.4 (24)	6.4 (24)	8.1 (24)	9.2 (1)				
Lower Fish Lake 7-7540-3 #1	1956	2.5 (41)	5.0 (38)	7.0 (37)	8.4 (17)				
Mud Lake 8-9300-3	1960	3.0 (24)	6.1 (24)	11.4 (24)					
Murphy Flats Lake 7-8060-	1960	1.9 (50)	4.1 (46)	6.4 (29)	9.5 (12)	11.8 (4)	14.8 (1)		
Smith Lake Rearing Pond 7-8740-3	1951	3.7 (24)	9.0 (1)						
Spoon Lake 8-9720-3	1953	3.1 (15)	6.8 (15)	9.5 (3)					
Upper Fish Lake 7-9320-3 #2	1956	2.2 (15)	5.2 (15)	7.4 (15)	8.2 (7)				
Van Lake 7-9480-3	1960	3.7 (12)	8.3 (12)	17.3 (9)					
(Streams)									
Big Creek 8-680-1	1960	2.8 (23)	5.1 (19)	7.3 (11)	8.3 (5)	9.8 (3)	12.8 (1)		
Coal Creek 8-1620-1	1960	1.9 (3)	4.9 (3)	6.7 (2)					
Cyclone Creek 8-1840-3	1960	2.0 (33)	4.3 (32)	6.6 (9)	8.9 (3)	9.0 (1)	11.0 (1)		
Deep Creek 8-204-	1960	2.8 (8)	4.5 (7)	5.9 (3)					
Danaher Creek 8-1900-1	1960	2.4 (28)	4.6 (26)	7.9 (12)	11.8 (5)	14.9 (1)			
Little Bitterroot River 7-2460-1	1951	4.2 (39)							

Cutthroat Trout, Salmo clarki cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
FLATHEAD RIVER DRAINAGE (Streams) cont.									
Little Salmon River 8-4220-1	1960	2.4 (21)	5.1 (20)	8.4 (20)	10.1 (7)				
Logan Creek 7-2500-1	1950	2.7 (21)	4.8 (14)	6.3 (1)	10.5 (1)	12.2 (1)			
Logan Creek 7-2500-1	1952	2.6 (10)	4.6 (7)						
Logging Creek (Glacier Park)	1960	2.0 (7)	4.3 (2)						
Main Flathead River	1959	2.2 (44)	4.7 (43)	8.6 (40)	12.0 (23)	12.3 (6)			
Martin Creek	1960	2.8 (24)	5.8 (5)	9.3 (1)					
Middle Fork Flathead River 8-4740-1	1956	2.8 (32)	5.2 (32)	8.2 (21)	12.8 (1)				
Middle Fork Flathead River 8-4740-1	1960	2.5 (53)	4.6 (45)	6.3 (25)	9.3 (6)				
Moose Creek 8-4880-1	1952	3.0 (24)	4.8 (17)	6.6 (8)	8.9 (3)				
Nine Mile Creek 8-5040-1	1960	2.1 (77)	4.3 (37)	6.9 (11)	9.3 (6)	11.1 (1)			
North Fork Flathead River 8-5100-1	1959	2.3 (123)	5.0 (104)	7.0 (40)	11.0 (4)				
North Fork Flathead River 8-5100-1	1960	2.4 (171)	5.0 (148)	8.0 (56)	12.5 (19)	14.6 (2)			
Quartz Creek (Glacier Park)	1961	2.1 (8)	4.2 (5)	5.6 (1)					
Red Meadow Creek 8-5760-1	1960	2.6 (3)	6.7 (3)	10.0 (3)	14.4 (3)				

Cutthroat Trout, Salmo clarki cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
FLATHEAD RIVER DRAINAGE (Streams) cont.									
Smith Creek	1951	3.0	5.8	8.9					
7-4000-1		(9)	(9)	(3)					
Stillwater River	1960	2.2	4.8	8.4	12.4	14.3			
7-4420-1		(16)	(15)	(14)	(13)	(4)			
Tuchuck Creek	1960	2.7	4.2						
8-7400-1		(23)	(18)						
White River	1960	2.1	4.9	7.5	10.8	13.8			
8-7820-1		(39)	(39)	(26)	(6)	(3)			
GALLATIN RIVER DRAINAGE (Lakes)									
Albino Lake	1960	2.9	6.6	10.7	14.4				
9-7220-3		(74)	(70)	(28)	(7)				
Big Brother Lake	1960	3.0	5.9	8.5	9.9				
9-7448-3		(7)	(7)	(6)	(2)				
Hyalite Reservoir	1952	3.8	10.9						
9-8512-5		(7)	(7)						
Lower Jerome Rock	1960	3.5	6.8	8.7	12.6				
Lake		(8)	(8)	(3)	(1)				
9-8550-3									
Lower Spanish	1960	3.1	6.3	10.3	13.4				
Lake		(15)	(13)	(9)	(3)				
9-9424-3									
Middle Jerome	1960	3.9	7.4	10.0	9.9				
Rock Lake		(9)	(9)	(5)	(1)				
9-8550-3									
Solitude Lake	1960	3.0	5.8	8.1	9.7				
9-9386-3		(21)	(21)	(15)	(2)				
Summit Lake	1960	3.9	8.0	11.3	13.2				
9-9462-3		(16)	(16)	(11)	(4)				
Thompson Lake	1960	3.6	6.7	9.8	11.5				
9-9500-3		(27)	(27)	(20)	(4)				

Cutthroat Trout, Salmo clarki cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
GALLATIN RIVER DRAINAGE (Lakes) cont.									
Upper Falls Creek Lake 9-9994-3	1960	2.8 (14)	6.4 (14)						
Upper Jerome Rock Lake 9-8550-3	1960	3.1 (6)	6.0 (6)	9.1 (6)	11.2 (6)				
Upper Spanish Lake 9-9424-3	1960	3.6 (3)	7.8 (3)	14.0 (2)	18.4 (2)				
JEFFERSON DRAINAGE (Lakes)									
Delmo Lake 10-8600-5	1953	3.5 (8)	7.9 (8)	11.1 (4)					
KOOTENAI RIVER DRAINAGE (Lakes)									
Hoskin Lake 11-8540-3	1957	2.0 (20)	6.5 (20)	10.6 (20)	13.7 (2)				
Lower Wolverine Lake 11-9090-3	1957	2.6 (9)	5.3 (9)	7.7 (9)	10.0 (3)				
Middle Wolverine Lake 11-9175-3	1957	2.4 (17)	5.3 (17)	7.6 (17)	9.1 (7)	10.4 (1)			
Therriault Lake 11-9760-3	1957	2.3 (30)	4.7 (26)	7.0 (22)	9.2 (16)	10.9 (10)	12.4 (3)	14.5 (1)	
Upper Wolverine Lake 11-9930-3	1957	2.6 (21)	5.3 (27)	7.8 (25)					
Weasel Lake 11-9970-3	1957	2.3 (46)	4.5 (45)	6.3 (36)	7.6 (19)				
(Streams)									
Flower Creek 11-2440-1	1950	2.8 (21)	4.9 (12)	7.0 (4)					

Cutthroat Trout, Salmo clarki cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
KOOTENAI RIVER DRAINAGE (Streams) cont.									
Flower Creek 11-2440-1	1959	2.5 (17)	4.5 (15)	6.4 (8)	9.2 (1)				
O'Brein Creek 11-4820-1	1950	3.3 (74)	5.6 (21)	7.6 (2)					
Young Creek 11-7780-1	1952	3.7 (6)	5.4 (2)						
MADISON RIVER DRAINAGE (Lakes)									
Bald Mt. Lake	1951	4.7 (9)	8.0 (7)	10.4 (4)					
MILK RIVER DRAINAGE (Streams)									
Beaver Creek 15-280-1	1957	3.4 (4)	6.5 (1)						
MISSOURI RIVER DRAINAGE (Lakes)									
Middle Creek Res. (Hound Creek Res.) 17-9280-7	1951	4.4 (7)	9.8 (5)	13.1 (3)					
(Streams)									
Dry Fork Smith River 17-2096-1	1952	4.6 (12)	7.0 (10)						
Elkhorn Creek 17-2624-1	1952	4.9 (7)	9.3 (7)						
Running Wolf Cr. 16-3160-2	1961	3.0 (5)	5.0 (2)						

Cutthroat Trout, Salmo clarki cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
MUSSELSHELL RIVER DRAINAGE (Lakes)									
Holiday Lake 18-7860-7	1954	3.1 (13)	10.0 (13)	14.2 (2)	15.1 (1)				
Holiday Lake 18-7860-7	1961	3.9 (14)	9.9 (14)	16.0 (3)	12.5 (1)				
SUN RIVER DRAINAGE (Lakes)									
Bear Lake 20-6950-3	1960	2.8 (16)	6.6 (16)	11.0 (16)	14.3 (1)				
YELLOWSTONE RIVER DRAINAGE (Lakes)									
Aldridge Lake 22-7140-3	1959	3.0 (2)	7.0 (2)	14.2 (2)					
Glacier Reservoir 22-7980-3	1959	3.4 (7)	5.9 (7)	8.1 (7)	10.1 (7)				
Lady of the Lake 22-8316-3	1950	3.2 (21)	6.1 (21)	9.0 (21)	10.9 (8)				
Lower Aero Lake 22-8526-3	1952	3.6 (10)	7.7 (10)	11.5 (10)	13.5 (4)				
1st Rock Creek Lake 22-7868-3	1949	3.4 (8)	5.4 (8)	7.7 (6)					
(Streams)									
Boulder River	1948	4.2 (14)	7.5 (7)						
Crooked Creek 22-1512-1	1950	3.3 (31)	6.3 (31)	8.6 (8)					
East Boulder River 22-2002-1	1950	2.8 (4)	4.4 (3)	6.1 (1)					
Lake Fork Rock Cr. 22-3472-1	1949	3.1 (11)	5.1 (6)	6.6 (1)					

Cutthroat Trout, Salmo clarki cont.

Year Collected	I	II	III	IV	V	VI	VII	VIII
YELLOWSTONE RIVER DRAINAGE (Streams) cont.								
West Fork Stillwater River 22-6664-1	1948	4.1 (10)	7.8 (10)	11.2 (10)	12.3 (2)			
West Fork Stillwater River 22-6664-1	1950	2.9 (13)						

Rainbow Trout, Salmo gairdneri

BEAVERHEAD RIVER
DRAINAGE
(Streams)

McDonald Pond 1-9100-7	1955	3.7 (72)	10.4 (44)	16.2 (30)	19.3 (8)	21.7 (3)	21.6 (1)	
McDonald Pond 1-9100-7	1960	4.0 (9)	6.8 (2)	18.2 (1)				
Widow's Pool (Culver Pond) 1-8680-5	1955	4.7 (89)	10.0 (48)	14.4 (21)	17.4 (9)	20.6 (1)		
Beaverhead River 1-500-1	1961	2.7 (11)	8.9 (9)	13.2 (9)	14.9 (3)			
Big Sheep Creek 1-6740-1	1953	3.5 (56)	8.2 (31)	11.6 (21)	12.2 (2)			
Decker Creek 1-1967-0	1953	3.9 (10)	8.6 (7)	11.9 (4)				
Grasshopper Creek 1-3100-1	1952	3.4 (18)	7.5 (4)	10.3 (1)	12.8 (1)	14.5 (1)		
Ruby River 1-6360-1	1953	3.1 (55)	6.1 (40)	8.7 (14)	11.5 (3)			

BIG HOLE RIVER
DRAINAGE
(Lakes)

Ajax Lake 2-7150-3	1959	3.5 (19)						
Crystal Lake 2-7675-3	1958	2.9 (10)	6.1 (7)	8.6 (3)	11.0 (3)	12.8 (1)		

Rainbow Trout, Salmo gairdneri cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
BIG HOLE RIVER DRAINAGE (Lakes) cont.									
Lion Lake 2-8400-3	1958	2.9 (11)	7.3 (8)	10.7 (1)					
Mystic Lake 2-8650-3	1958	2.5 (20)	6.0 (20)	9.4 (13)	11.2 (9)	11.7 (1)			
Rock Island Lake No. 1 2-8925-3	1959	3.7 (19)	7.4 (12)	9.7 (5)	11.6 (4)				
Upper Miner Lake No. 2 2-9475-3	1960	3.5 (5)	6.0 (5)	8.7 (5)	11.2 (5)	14.0 (5)			
(Streams)									
Big Hole River 2-425-1	1952	4.6 (13)	7.8 (3)	12.4 (1)					
Deep Creek 2-1625-1	1959	2.3 (12)	5.0 (10)	7.1 (2)					
LaMarche Creek 2-3175-1	1959	2.2 (11)	4.7 (8)	6.6 (2)					
Pattengail Creek 2-4500-1	1959	2.9 (23)	5.9 (2)						
Rock Creek 2-4900-1	1959	2.9 (48)	5.1 (33)	6.7 (7)	8.9 (2)				
Wise River 2-7025-1	1959	2.6 (24)	5.4 (6)	7.5 (2)	11.9 (1)				
BITTERROOT RIVER DRAINAGE (Streams)									
Lolo Creek 3-3475-1	1950	3.2 (6)	5.9 (5)	6.8 (1)					
BLACKFOOT RIVER DRAINAGE (Lakes)									
Browns Lake 4-6210-4	1961	4.1 (30)	7.2 (30)	10.9 (2)					

Rainbow Trout, Salmo gairdneri cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
BLACKFOOT RIVER DRAINAGE									
(Lakes) cont.									
Lake Alva	1948	3.2	7.4	11.3	16.3				
4-6120-3		(20)	(4)	(2)	(1)				
Meadow Creek Lake	1961	2.4	5.3	8.3	10.3	12.5			
4-6960-3		(17)	(17)	(14)	(7)	(4)			
Salmon Lake	1948	3.2	7.6	10.0					
4-7230-3		(10)	(8)	(3)					
(Streams)									
Belmont Creek	1950	3.3	3.6	5.7	7.7	9.0			
4-420-1		(4)	(9)	(4)	(1)	(1)			
Blackfoot River	1948	3.5	7.4						
4-600-1		(23)	(16)						
Blackfoot River	1948	3.5	7.0	10.4					
4-630-1		(25)	(20)	(2)					
CLARK FORK COLUMBIA RIVER DRAINAGE									
(Lakes)									
Bowman Lake	1961	3.2	6.4	9.0	12.1				
6-7467-3		(11)	(11)	(9)	(2)				
East Fork Res.	1960	3.0	9.0	13.5	17.6				
6-7695-5		(29)	(28)	(16)	(4)				
Georgetown Lake	1950	2.9	9.7	12.8	17.1	18.7			
6-7961-5		(93)	(93)	(15)	(12)	(7)			
Georgetown Lake	1953	6.1	13.5	15.9					
6-7961-5		(24)	(23)	(1)					
Georgetown Lake	1960	3.1	6.8	9.4	15.2	22.7			
6-7961-5		(149)	(148)	(94)	(7)	(1)			
Moore Lake	1961	2.3	8.4	12.1	14.9				
6-8759-3		(23)	(23)	(20)	(4)				
Noxon Rapids Res.	1961	2.6	5.7	9.8	13.5	16.4	22.4		
5-9328-5		(30)	(30)	(28)	(15)	(8)	(1)		

Rainbow Trout, Salmo gairdneri cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
CLARK FORK COLUMBIA RIVER DRAINAGE (Lakes) cont.									
Racetrack Lake 6-9044-3	1955	2.5 (11)	6.4 (11)	9.9 (10)	12.2 (5)				
Racetrack Lake 6-9044-3	1958	2.7 (20)	6.6 (19)	10.2 (5)	12.7 (3)	14.1 (1)			
Storm Lake 6-9291-3	1958	4.4 (15)	7.4 (9)	11.8 (9)	15.1 (5)				
(Streams)									
Cataract Creek 5-1232-1	1959	3.2 (8)	6.7 (8)	11.4 (7)	14.8 (2)				
Flint Creek 6-2242-1	1953	2.6 (64)	5.3 (52)	7.5 (29)	9.0 (13)				
Prospect Creek 5-5648-1	1960	2.7 (11)	4.6 (4)	6.2 (1)					
Rock Creek	1948	3.0 (33)	5.8 (28)	8.8 (5)	11.3 (3)				
Rock Creek	1958	2.8 (265)	6.7 (253)	10.5 (144)	13.3 (55)	15.8 (6)	17.0 (2)		
Rock Creek	1959	3.0 (213)	6.8 (179)	10.9 (95)	14.0 (50)	16.7 (4)			
Rock Creek	1960	2.9 (118)	6.4 (40)	10.2 (17)	12.1 (5)	14.8 (3)			
FLATHEAD RIVER DRAINAGE (Lakes)									
Basham Lake 7-5240-3	1961	2.7 (8)	5.4 (8)	7.9 (8)	11.9 (2)				
Blue Lake 8-8220-3	1961	2.5 (5)	5.7 (5)	9.9 (5)					
Lena Lake 8-9080-3	1960	2.5 (12)	6.2 (12)	9.9 (10)	12.3 (1)				

Rainbow Trout, Salmo gairdneri cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
FLATHEAD RIVER DRAINAGE (Lakes)									
Little Bitterroot Lake 7-7300-5	1951	2.7 (14)	9.2 (14)	13.9 (14)					
McGilvary Lake 7-7720-3	1961	2.6 (27)	5.8 (27)	10.8 (27)					
Woodward Lake 8-9980-3	1959	2.8 (21)	5.8 (21)	9.8 (19)	13.0 (13)	14.6 (8)			
(Streams)									
Logan Creek 7-2500-1	1950	2.4 (6)	5.0 (4)	6.7 (1)					
Logan Creek 7-2500-1	1950	2.6 (6)	4.7 (4)						
Martin Creek	1960	3.2 (20)	8.4 (7)	10.9 (2)					
Swan River 7-4560-1	1956	2.4 (34)	5.2 (23)	8.6 (10)	13.6 (2)				
GALLATIN RIVER DRAINAGE (Lakes)									
Cascade Lake 9-7638-3	1960	2.5 (6)	6.5 (6)	9.2 (6)	11.2 (4)	13.4 (1)			
Diamond Lake 9-7942-3	1960	1.9 (9)	5.7 (9)						
(Streams)									
West Gallatin River									
	1948-49	3.2 (76)	6.5 (70)	8.9 (30)	12.1 (4)	15.6 (2)			
	1948-49	3.1 (133)	6.1 (83)	9.4 (29)	12.4 (6)	13.2 (2)			

Rainbow Trout, Salmo gairdneri cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
JEFFERSON RIVER DRAINAGE (Lakes)									
Willow Creek Res. 1949 (Harrison Dam) 10-9440-5		3.3 (18)	8.6 (18)	14.9 (18)	17.7 (13)	18.3 (4)			
Willow Creek Res. 1954 (Harrison Dam) 10-9440-5		4.0 (96)	10.2 (96)	15.6 (95)	19.4 (87)	21.6 (30)	21.0 (3)		
Willow Creek Res. 1955 (Harrison Dam) 10-9440-5		3.5 (69)	9.1 (69)	14.1 (63)	18.3 (22)	20.2 (2)			
Willow Creek Res. 1960 (Harrison Dam) 10-9440-5		3.3 (258)	7.9 (246)	12.9 (233)	16.5 (152)	18.8 (68)	18.1 (2)		
Willow Creek Res. 1961 (Harrison Dam) 10-9440-5		2.9 (30)	7.3 (12)	11.1 (9)	12.9 (2)	14.9 (2)	16.1 (2)		
KOOTENAI RIVER DRAINAGE (Lakes)									
Bull Lake 1957 7-5540-3		2.9 (6)	5.8 (6)	10.7 (6)	13.1 (6)				
Kilbrennan Lake 1956 11-8640-3		2.6 (19)	5.7 (17)	8.7 (10)	11.2 (1)				
Little Therreault Lake 1957 11-8920-3		3.9 (9)	7.7 (5)	12.8 (3)	15.1 (1)				
(Streams)									
Big Cherry Creek 1959 11-400-1		2.6 (12)	4.0 (3)						
Big Creek 1952 11-420-1		3.9 (23)							
Fisher River 1959 11-2320-1		2.0 (28)	5.3 (2)						
Pinkham Creek 1951 11-5140-1		4.5 (28)	6.6 (3)						

Rainbow Trout, Salmo gairdneri cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
KOOTENAI RIVER DRAINAGE (Streams)									
Pinkham Creek 11-5140-1	1956	2.3 (41)	4.3 (22)	5.8 (14)					
Pipe Creek 11-5160-1	1959	2.5 (73)	4.9 (19)						
West Fisher River 11-7440-1	1959	2.4 (23)	4.4 (5)						
MADISON RIVER DRAINAGE (Lakes)									
Antelope Lake 13-7440-3	1950	2.8 (15)	6.7 (15)	11.3 (11)	14.4 (1)	16.5 (1)			
Ennis Lake 13-7560-5	1950	3.1 (114)	8.8 (105)	13.7 (82)	16.1 (26)	17.8 (2)			
Hebgen Lake 13-7720-5	1949	3.2 (416)	7.8 (410)	13.6 (332)	15.5 (214)	16.6 (75)	17.8 (11)		
Hidden Lake 13-7800-3	1953	3.1 (16)	10.1 (16)	14.2 (16)	16.2 (5)				
Upper Ulerys Lake 13-8760-3	1960	2.4 (35)	6.1 (35)	9.1 (27)	11.0 (16)	12.9 (3)			
Whits Lake 13-9000-3	1960	3.5 (27)	8.8 (27)	13.0 (11)	17.6 (3)	19.4 (2)	21.1 (1)		
(Streams)									
Blaine Spring Cr. 13-560-1	1951	5.4 (60)	10.7 (25)	15.2 (4)					
Blaine Spring Cr. 13-560-1	1951	5.0 (29)	7.8 (4)	11.1 (1)					
Cherry Creek 13-1160-1	1953	3.3 (10)	7.7 (3)						
Cougar Creek 13-1360-1	1951	3.0 (35)							

Rainbow Trout, Salmo gairdneri cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
MADISON RIVER DRAINAGE (Streams) cont.									
Odell Creek (Clark Creek) 13-4400-1	1951	3.5 (42)	8.5 (10)	13.0 (3)	16.2 (1)				
Madison River 13-3480-1	1948	3.3 (43)	8.5 (26)	13.6 (15)	15.6 (9)	17.1 (2)	17.5 (1)		
Madison River 13-3480-1	1950	4.3 (201)	9.4 (148)	12.6 (65)	14.9 (21)	18.5 (1)			
MARIAS RIVER DRAINAGE (Lakes)									
Eureka Lake 14-7320-5	1960	3.0 (30)	12.0 (30)	19.0 (29)					
Kipp Lake 14-7960-5	1959	4.7 (46)	14.5 (32)	21.0 (27)	22.0 (3)				
Lake Francis 14-7440-5	1948	3.3 (40)	8.2 (39)	13.5 (31)	16.5 (21)	17.5 (2)			
Lower Mission Lake 14-8080-3	1961	2.9 (33)	8.4 (33)	12.9 (5)	16.1 (1)				
Tiber Reservoir 14-9240-5	1958	8.7 (50)	11.5 (23)						
(Streams)									
Cut Bank Creek 14-1120-1	1960	2.6 (25)	6.5 (25)	10.5 (21)	13.0 (4)	15.8 (1)			
Dry Fork Marias River 14-1520-9	1960	2.2 (11)	8.8 (11)	12.0 (8)					
Marias River (Pugsley) 14-3240-2	1961	3.4 (19)	8.9 (7)	12.1 (5)	13.3 (4)				
Marias River 14-3240-2	1961	3.3 (35)	9.6 (32)	12.1 (21)	12.2 (1)				

Rainbow Trout, Salmo gairdneri cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
MILK RIVER DRAINAGE (Lakes)									
Kuhr Newhouse Reservoir 15-5920-7	1960	2.9 (35)	6.1 (26)	8.7 (18)					
Kuhr Reservoir 15-5880-7	1960	4.6 (7)							
Miller Reservoir #6 15-6400-7	1960	2.7 (38)	6.8 (33)	8.0 (4)					
(Streams)									
Beaver Creek 15-280-1	1957	2.9 (15)	5.7 (15)	8.9 (5)					
Big Sandy Creek 15-440-1	1958	2.7 (47)	5.1 (26)	7.1 (26)					
Clear Creek 15-960-1	1957	2.9 (33)	5.2 (27)	6.8 (10)					
MISSOURI RIVER DRAINAGE (Lakes)									
Canyon Ferry Res. 17-8832-5	1958	3.4 (13)	7.2 (12)	13.8 (10)	17.1 (7)	19.0 (1)			
Cunningham Pond Farm Pond	1952	3.8 (8)	7.9 (6)	13.1 (6)	16.0 (3)	18.2 (1)			
Fort Peck Res. 16-5140-5	1948	3.4 (96)	7.8 (96)	12.3 (87)	17.0 (76)	20.0 (51)	21.1 (14)	21.8 (3)	
Fort Peck Res. 16-5140-5	1949	3.4 (39)	7.6 (39)	12.0 (38)	15.6 (29)	18.6 (16)	19.6 (5)	21.4 (2)	
Fort Peck Res. 16-5140-5	1950	3.0 (60)	7.3 (60)	12.6 (58)	16.3 (34)	17.6 (8)	21.0 (2)		
Fort Peck Res. 16-5140-5	1950	3.2 (63)	6.8 (63)	11.5 (63)	15.9 (51)	19.6 (23)	21.4 (6)		
Fresno Lake 15-5240-5	1952	3.1 (14)	7.1 (14)	13.2 (10)	16.3 (2)				

Rainbow Trout, Salmo gairdneri cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
MISSOURI RIVER DRAINAGE (Lakes)									
North Fork Smith River Reservoir (Lake Southerlin) 17-9616-5	1952	4.3 (12)	9.5 (7)	12.9 (3)	14.5 (1)				
Stafford Lake 16-8380-7	1960	3.7 (9)	9.1 (9)	11.2 (5)	15.0 (1)				
(Streams)									
Belt Creek 17-544-1	1960	3.0 (46)	5.6 (27)	10.0 (3)					
Big Spring Creek 16-300-1	1960	4.6 (56)	11.4 (28)	14.9 (13)	17.5 (2)	20.6 (1)			
Eagle Creek 16-1320-1	1958	3.1 (41)	6.5 (27)	7.6 (2)					
Judith River 16-1820-1	1951	3.1 (53)	5.5 (33)	9.0 (1)					
Missouri River (Holter Dam) 17-4896-1	1948	3.5 (238)	8.6 (145)	11.7 (70)	14.2 (17)	15.9 (1)	17.1 (1)		
Missouri River (Great Falls) 17-4880-1	1953	3.7 (14)	9.6 (10)	10.7 (1)					
Otter Creek 17-5696-1	1952	3.7 (8)	6.2 (5)	8.4 (5)					
Prickley Pear Cr. 17-6016-1	1949	2.8 (333)	6.4 (175)	10.0 (43)	11.9 (10)	16.4 (1)			
Prickley Pear Cr. 17-6016-1	1950-51	3.5 (747)	6.6 (270)	9.4 (63)	11.8 (10)	16.7 (1)			
Running Wolf Cr. 16-3160-1	1951	3.2 (11)	6.3 (2)						
Running Wolf Cr. 16-3160-1	1961	3.0 (23)	5.7 (16)	6.0 (3)					
Sheep Creek 17-6544-1	1951	4.6 (188)	6.8 (66)	8.6 (19)	9.8 (2)				

Rainbow Trout, Salmo gairdneri cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
MISSOURI RIVER DRAINAGE (Streams) cont.									
Sheep Creek 17-6544-1	1952	2.7 (19)	5.5 (18)	7.3 (15)	10.7 (3)				
Sheep Creek 17-6544-1	1960	2.7 (40)	6.0 (29)	8.2 (8)					
Smith River 17-6832-1	1952	3.7 (35)	6.9 (25)	9.7 (10)	12.8 (5)	16.5 (1)			
South Fork Judith River 16-3520-1	1951	4.2 (9)	6.5 (5)						
Tenderfoot Creek 17-7536-1	1960	2.7 (86)	5.3 (77)	7.7 (39)	9.5 (12)	12.1 (4)			
Wolf Creek 16-4180-1	1961	2.7 (15)							
MUSSELSHELL RIVER DRAINAGE (Lakes)									
Dead Mans Basin Lake 18-7540-5	1961	3.4 (18)	9.1 (18)	9.2 (1)	10.2 (1)				
Holiday Lake 18-7860-7	1954-58	3.7 (10)	9.8 (7)	14.7 (4)	18.6 (2)				
Holiday Lake 18-7860-7	1960	3.7 (12)	9.6 (12)	13.7 (6)					
Holiday Lake 18-7860-7	1961	3.6 (53)	7.9 (44)	12.4 (26)	20.4 (1)				
(Streams)									
South Fork Musselshell River 18-5670-1	1950	3.3 (26)	6.1 (5)	6.9 (1)					

Rainbow Trout, Salmo gairdneri cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
ST. MARY'S RIVER DRAINAGE (Lakes)									
Duck Lake 19-1000-3	1955	5.3 (26)	16.8 (26)	22.0 (26)	25.5 (1)				
SUN RIVER DRAINAGE (Lakes)									
Gibson Reservoir 20-7350-5	1960	3.2 (16)	8.1 (16)	11.2 (10)	14.6 (1)				
Nilan Reservoir 20-7900-5	1960	9.1 (34)	14.1 (9)						
Willow Creek Res. 20-8500-5	1959	3.4 (42)	7.3 (32)	12.4 (23)	17.5 (13)	18.2 (2)			
(Streams)									
Middle Fork Sun River 20-6400-1	1951	3.3 (94)	6.8 (89)	8.7 (29)	11.2 (10)				
North Fork Sun River 20-6400-1	1960	2.9 (7)	5.9 (7)	10.2 (4)	12.6 (1)				
Sun River 20-6100-1	1948	3.8 (27)	7.4 (24)	11.1 (15)	13.8 (6)				
YELLOWSTONE RIVER DRAINAGE (Lakes)									
Dailey Lake 22-7644-3	1955	3.9 (141)	9.2 (141)	15.3 (105)	18.7 (21)				
East Rosebud Lake 22-7714-3	1948	3.1 (26)	5.3 (22)	7.7 (9)	9.7 (4)				
Fairy Lake 22-7826-3	1960	2.6 (7)	7.4 (7)	9.6 (4)					
Ottensen Res. 21-6400-7	1959	2.9 (12)	9.6 (12)	12.3 (12)					
Sioux Charley Lake 22-9198-3	1949	3.4 (6)	6.7 (5)						

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	Year Collected	I	II	III	IV	V	VI	VII	VIII
YELLOWSTONE RIVER DRAINAGE (Lakes) cont.									
Trinity Spring	1951	5.0 (10)							
Willow Creek Res. 22-9786-5	1949	2.9 (11)	8.4 (11)	14.2 (11)	16.8 (11)	19.2 (1)			
Willow Creek Res. 22-9786-5	1959	3.5 (56)	6.2 (56)	9.1 (45)	11.1 (14)				
(Streams)									
Boulder River	1948	3.1 (84)	5.9 (68)	9.2 (9)	10.6 (3)				
East Boulder River 22-2002-1	1950	2.7 (134)	4.8 (80)	6.8 (39)	12.0 (11)	10.6 (3)	12.1 (1)		
East Fishtail Cr. 22-2058-1	1948	3.8 (10)	6.6 (9)	8.8 (5)	10.2 (1)				
East Rosebud Cr. 22-2254-1	1948	3.3 (40)	5.6 (38)	7.4 (10)	7.2 (1)				
Little Bighorn River 22-3668-1		3.6 (20)	6.1 (19)	9.0 (1)					
Rock Creek 22-4942-1	1950	3.6 (6)	7.8 (6)	10.7 (3)					
Rock Creek 22-4942-1	1952	3.6 (15)	6.3 (12)	8.3 (2)					
Stillwater River	1948	3.3 (70)	7.3 (67)	10.3 (32)	13.5 (14)	16.2 (1)			
Tongue River 22-1250-1	1959	8.8 (15)							
West Boulder River 22-6552-1	1948	2.7 (11)	5.6 (11)	7.5 (1)					
West Fork Stillwater River 22-6664-1	1948	3.5 (26)	6.2 (24)	8.6 (22)	10.2 (17)	12.5 (5)			

Rainbow Trout, Salmo gairdneri cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
YELLOWSTONE RIVER DRAINAGE (Streams) cont.									
West Fork Stillwater 22-6664-1	1950	3.2 (15)	5.6 (11)	7.5 (3)	9.1 (3)	10.3 (2)	11.5 (1)		
West Rosebud 22-6804-1	1948	3.1 (30)	5.7 (29)	8.0 (17)	10.3 (6)	11.9 (2)	14.1 (1)		

Rainbow & Cutthroat Trout Hybrids

BIG HOLE RIVER
DRAINAGE
(Streams)

Big Hole River	1952	3.2 (5)							
Steel Creek 2-5950-1	1959	2.2 (8)	4.6 (4)						

BLACKFOOT RIVER
DRAINAGE
(Streams)

Belmont Creek 4-420-1	1950	2.8 (4)	3.3 (3)	5.2 (1)					
Placid Creek 4-4230-1	1959	3.7 (11)	6.1 (1)	7.9 (1)					

CLARK FORK
RIVER DRAINAGE
(Lakes)

Stewart Lake 6-7253-3	1953	2.5 (8)	4.7 (8)	7.8 (8)	9.9 (8)	10.7 (2)			
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(Streams)

Flint Creek 6-2261-1	1953	2.8 (8)	5.7 (5)	8.8 (2)	12.4 (1)				
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FLATHEAD RIVER
DRAINAGE
(Streams)

Logan Creek 7-2500-1	1950	2.6 (57)	4.8 (39)	6.9 (10)					
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Rainbow & Cutthroat Trout Hybrids cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
GALLATIN RIVER DRAINAGE (Streams)									
West Gallatin River									
Section I	1951	3.5 (71)	7.4 (69)	11.5 (50)	15.1 (16)	16.7 (6)			
Section II	1951	3.9 (29)	7.3 (25)	10.6 (15)	14.5 (6)				
Section III	1951	3.5 (21)	6.9 (18)	11.0 (6)					
KOOTENAI RIVER DRAINAGE (Streams)									
Pipe Creek 11-5160-1	1959	2.5 (6)	4.1 (1)						
MILK RIVER DRAINAGE (Streams)									
Beaver Creek 15-360-1	1952	3.2 (5)	6.1 (3)	10.5 (1)					
MISSOURI RIVER DRAINAGE (Streams)									
Sheep Creek 17-6544-1	1951	4.5 (3)	5.1 (1)						
Smith River 17-6832-1	1952	3.9 (7)	7.4 (6)	9.4 (4)	13.9 (1)				
MUSSELSHELL RIVER DRAINAGE (Lakes)									
Holiday Lake 18-7860-1	1954	3.6 (25)	9.5 (25)	14.0 (4)	16.1 (1)				
YELLOWSTONE RIVER DRAINAGE (Lakes)									
East Rosebud Lake 22-7714-3	1948	3.0 (5)	5.4 (5)	8.6 (4)	10.7 (2)				

Rainbow & Cutthroat Trout Hybrids cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
YELLOWSTONE RIVER DRAINAGE (Streams)									
Boulder River	1948	3.1 (23)	6.5 (22)	10.5 (6)	13.8 (1)	16.3 (1)	18.1 (1)		
East Boulder River 22-2002-1	1950	2.7 (151)	5.0 (43)	6.7 (19)	7.6 (2)	8.5 (1)			
East Boulder River 22-2002-1	1958	2.3 (15)	4.5 (14)	6.5 (10)	8.5 (5)	10.9 (1)			
West Fork Stillwater River 22-6664-1	1948	3.6 (33)	6.3 (32)	8.6 (20)	10.8 (14)	11.9 (7)			
West Fork Stillwater River 22-6664-1	1950	3.5 (11)	6.1 (7)	8.2 (4)					

Brown Trout, Salmo trutta

BEAVERHEAD RIVER
DRAINAGE
(Streams)

Beaverhead River 1-500-1	1961	4.4 (14)	10.0 (10)	13.1 (2)	15.5 (2)				
Clear Creek 1-1360-1	1953	3.6 (35)	8.3 (22)	11.5 (5)					
Decker Creek 1-1967-0	1953	4.3 (21)	10.3 (16)	14.4 (10)	18.2 (4)	20.4 (2)			
Ruby River 1-6360-1	1953	3.8 (44)	8.5 (30)	12.0 (22)	14.6 (9)	15.8 (4)			

BIG HOLE RIVER
DRAINAGE
(Streams)

Big Hole River 2-425-1	1952	4.0 (23)	10.7 (17)	15.8 (6)					
Big Hole River 2-425-1	1953	4.5 (3)	10.3 (3)	15.6 (2)					

Brown Trout, Salmo trutta cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
BLACKFOOT RIVER DRAINAGE (Lakes)									
Salmon Lake 4-7230-3	1961	2.9 (6)	5.4 (6)	8.9 (6)	11.7 (5)	14.1 (3)	15.8 (2)		
CLARK FORK DRAINAGE (Lakes)									
Noxon Rapids Res. 5-9328-5	1961	2.7 (21)	7.8 (21)	10.1 (21)	12.8 (16)	15.3 (2)			
(Streams)									
Clark Fork River 5-1456-1	1961	3.3 (37)	7.0 (22)	12.1 (4)					
Little Blackfoot River 6-3591-1	1956	2.8 (72)	6.1 (44)	8.8 (21)	11.0 (3)				
Rock Creek	1958	3.5 (31)	8.5 (21)	12.9 (9)					
Rock Creek	1959	4.3 (115)	9.9 (93)	13.0 (43)	15.6 (16)	17.1 (4)	17.9 (1)		
GALLATIN RIVER DRAINAGE (Streams)									
West Gallatin River	1948-49	3.7 (102)	8.8 (97)	13.2 (71)	15.0 (28)	19.2 (1)			
West Gallatin River 9-6878-1	1948	4.5 (11)	10.7 (10)	15.7 (8)	20.8 (2)				
West Gallatin River	1960	3.9 (47)	9.0 (36)	13.7 (12)	16.0 (5)				
JEFFERSON RIVER DRAINAGE (Lakes)									
Willow Creek Res. (Harrison Lake) 10-9440-5	1955	3.2 (55)	8.4 (55)	13.7 (53)	17.8 (28)	20.5 (1)			

Brown Trout, Salmo trutta cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
JEFFERSON RIVER DRAINAGE (Lakes) cont.									
Willow Creek Res. 1960 (Harrison Lake) 10-9440-5		3.4 (140)	8.3 (125)	13.0 (113)	15.7 (91)	17.3 (35)	19.1 (9)	22.9 (3)	24.0 (1)
Willow Creek Res. 1961 (Harrison Lake) 10-9440-5		3.0 (45)	7.6 (35)	11.0 (15)	14.4 (5)	17.7 (2)			
MADISON RIVER DRAINAGE (Lakes)									
Ennis Lake 1950 13-7560-5		3.7 (32)	10.1 (32)	14.6 (23)					
Hebgen Lake 1949 13-7720-5		3.5 (383)	8.9 (382)	13.2 (316)	15.1 (110)	16.8 (7)			
(Streams)									
Blaine Spring Cr. 1951 13-560-1		4.9 (17)	10.0 (5)						
Blaine Spring Cr. 1951 13-560-1		5.2 (35)	9.7 (14)	10.2 (2)					
Cherry Creek 1953 13-1160-1		3.4 (19)	7.3 (14)	10.5 (8)	13.1 (1)				
Cougar Creek 1951 13-1360-1		3.6 (45)	8.0 (3)	15.1 (1)					
Madison River 1948 13-3440-1		4.0 (10)	9.5 (9)	14.8 (6)	16.5 (2)				
Madison River 1948 13-3440-1		5.2 (4)	10.3 (4)	14.4 (4)	17.0 (4)				
Madison River 1950 13-3440-1		4.4 (163)	8.7 (144)	13.6 (77)	16.6 (37)	17.8 (6)			
Odell Creek 1951 13-4400-1		4.2 (89)	10.0 (39)	14.0 (21)	16.9 (5)				
South Fork Madison River 13-5400-1	1950	3.0 (53)	9.1 (53)	14.1 (15)					

Brown Trout, Salmo trutta cont.

Year Collected	I	II	III	IV	V	VI	VII	VIII
MISSOURI RIVER DRAINAGE (Lakes)								
Canyon Ferry Res. 1958 17-8832-5	4.2 (67)	10.4 (67)	14.3 (35)	17.2 (34)	20.7 (9)	23.6 (3)		
(Streams)								
Big Spring Creek 1960 16-300-1	5.8 (8)	16.0 (1)						
Hound Creek 1960 17-3600-1	3.8 (46)	9.0 (17)	13.4 (6)	18.4 (1)				
Missouri River 1948 (Holter Dam) 17-4896-1	4.1 (39)	9.0 (28)	12.8 (11)	16.0 (3)				
Prickley Pear Cr. 1949 17-6016-1	3.5 (570)	7.8 (269)	11.4 (203)	14.5 (61)	17.1 (18)	20.0 (6)	20.1 (2)	
Prickley Pear Cr. 1950-51 17-6016-1	3.8 (908)	7.7 (375)	11.1 (229)	13.7 (80)	16.5 (19)	20.2 (5)	22.2 (1)	
Smith River 1960 17-6832-1	3.7 (23)	8.9 (7)						
MUSSELSHELL RIVER DRAINAGE (Streams)								
Big Elk Creek 1951 18-360-1	3.3 (118)	7.6 (51)	11.2 (16)	16.3 (1)	18.3 (1)			
Musselshell River 1960 18-4350-1	3.4 (50)	8.0 (42)	12.4 (11)	15.7 (4)				
South Fork Musselshell 18-5670-1	4.1 (6)	8.8 (1)						
YELLOWSTONE RIVER DRAINAGE (Streams)								
Bluewater Creek 1950 22-714-1	3.6 (23)	6.0 (21)	8.5 (17)	12.4 (2)	17.7 (1)			

Brown Trout, Salmo trutta cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
YELLOWSTONE RIVER DRAINAGE (Streams)									
Bluewater Creek 22-714-1	1951	2.7 (7)	6.8 (7)	9.1 (2)					
Bluewater Creek 22-714-1	1952	3.6 (47)	6.5 (34)						
Bluewater Creek 22-714-1	1961	3.8 (101)	6.6 (43)	9.7 (17)	14.2 (4)	15.7 (1)	17.3 (1)		
Boulder River	1948	3.6 (37)	6.9 (33)	11.8 (11)	14.9 (5)	16.6 (2)			
East Boulder River 22-2002-1	1950	2.7 (94)	5.2 (58)	7.8 (30)	9.6 (7)				
East Fishtail Cr. 22-2058-1	1948	3.5 (7)	7.2 (7)	9.7 (3)					
East Rosebud Cr. 22-2254-1	1948	3.7 (19)	6.9 (19)	9.4 (5)	13.4 (1)				
Little Bighorn River 22-3668-1		3.3 (18)	6.9 (5)	8.0 (1)					
Rock Creek	1950	3.9 (17)	8.0 (16)	9.8 (9)	14.5 (1)				
Rock Creek 22-4942-1	1952	3.4 (68)	6.8 (39)	10.9 (6)	14.0 (2)	13.2 (1)			
Shields River 22-5362-1	1950	3.1 (176)	7.2 (95)	10.8 (61)	13.1 (22)				
Stillwater River	1948	3.6 (51)	6.9 (47)	10.0 (24)	12.9 (8)				
Tongue River 21-1200-1	1955	3.3 (20)	7.4 (20)	10.6 (12)	14.9 (6)	18.6 (4)	20.5 (1)		
Upper Deer Creek 22-6454-1	1953	3.3 (27)	6.7 (23)	9.0 (3)					
West Boulder River 22-6552-1	1948	3.2 (42)	5.7 (38)	8.0 (20)	10.0 (2)				

Brown Trout, Salmo trutta cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
YELLOWSTONE RIVER DRAINAGE (Streams) cont.									
West Boulder River 22-6552-1	1958	2.6 (65)	5.7 (28)	8.9 (12)	15.6 (3)	16.1 (2)			
West Fork Stillwater River 22-6664-1	1948	3.0 (9)	6.0 (9)	9.1 (8)	12.1 (3)	12.1 (1)			
West Fork Stillwater River 22-6664-1	1950	3.2 (14)	6.1 (12)	8.8 (11)	10.2 (4)	11.5 (1)	12.6 (1)		
West Fork Stillwater River 22-6664-1	1952	3.5 (44)	6.7 (37)	9.7 (15)	12.2 (4)	15.0 (1)			
West Rosebud Cr. 22-6804-1	1948	2.9 (51)	5.8 (51)	8.4 (43)	10.9 (13)	16.6 (3)	17.9 (1)		
Yellowstone River 22-7070-1	1950	4.1 (7)	9.4 (7)	13.7 (5)	17.2 (2)				

Brook Trout, Salvelinus fontinalis

BEAVERHEAD RIVER
DRAINAGE
(Lakes)

Culver Pond (Widow's Pool) 1-8680-5	1955	4.7 (89)	10.0 (48)	14.4 (21)	17.4 (9)	20.6 (1)			
Culver Pond 1-8680-5	1961	3.7 (24)	6.6 (17)	10.6 (5)					
McDonald Pond 1-9100-7	1955	5.1 (45)	9.8 (34)	13.3 (13)	14.9 (2)				
Reservoir Lake 1-9380-5	1959	4.3 (58)	7.2 (41)	8.9 (4)					

(Streams)

Bloody Dick Creek 1-740-1	1953	2.6 (42)	4.5 (37)	6.0 (9)	7.5 (1)				
Bloody Dick Creek 1-740-1	1959	2.3 (38)	4.3 (27)	5.8 (9)					

Brook Trout, Salvelinus fontinalis cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
BEAVERHEAD RIVER DRAINAGE (Streams) cont.									
Grasshopper Creek 1-3100-1	1952	4.2 (17)	7.2 (6)						
Taylor Creek 1-7600-1	1952	3.7 (31)	6.4 (30)	7.9 (6)					
BIG HOLE RIVER DRAINAGE (Lakes)									
Browne Lake 2-7525-3	1959	2.4 (32)	5.2 (32)	7.8 (17)	9.5 (2)				
Miner Lake 2-8525-3	1959	3.2 (25)	7.1 (25)	9.8 (10)					
Mussingbrod Lake 2-8625-3	1959	2.7 (8)	6.4 (8)	9.6 (5)	12.7 (2)				
Pintlar Lake 2-8800-3	1959	3.1 (12)	6.2 (12)	8.0 (5)					
Twin Lake 2-9425-3	1959	3.2 (16)	6.5 (16)	9.0 (7)					
BIG HOLE RIVER DRAINAGE (Streams)									
Big Hole River Section I 2-425-1	1959	2.9 (48)	5.4 (25)	7.7 (10)	9.4 (2)				
Section II 2-450-1	1959	2.2 (58)	4.2 (35)	6.5 (17)					
Deep Creek 2-1625-1	1959	3.2 (19)	5.9 (17)	8.7 (2)	11.6 (1)				
Joseph Creek 2-3025-1	1959	2.7 (36)	5.0 (16)						
LaMarche Creek 2-3175-1	1959	2.7 (23)	4.9 (15)	7.9 (6)					
Miner Creek (Lower) 2-3950-1	1959	3.1 (40)	5.8 (28)	8.4 (7)					

Brook Trout, Salvelinus fontinalis cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
BIG HOLE RIVER DRAINAGE (Streams) cont.									
Minner Creek (Upper) 2-3950-1	1959	2.1 (11)	4.3 (11)	7.3 (2)					
North Fork Big Hole River 2-4275-1	1959	3.6 (19)	6.6 (8)	9.6 (2)	12.6 (1)				
Pattengail Creek 2-4500-1	1959	3.7 (16)	4.6 (3)						
Pintlar Creek 2-4550-1	1959	3.2 (6)	6.5 (5)	9.3 (2)					
Ruby Creek 2-5000-1	1959	3.0 (30)	5.9 (14)	8.6 (3)					
Steel Creek 2-5950-1	1959	4.0 (17)	7.8 (7)	11.1 (1)					
Trail Creek 2-6450-1	1959	2.9 (52)	5.6 (32)	7.3 (10)	9.4 (2)				
Trail Creek 2-6450-1	1959	3.3 (6)	6.3 (3)	9.2 (1)					
Trail Creek 2-6450-1	1959	3.5 (16)	6.0 (2)						
Wise River (Above Moose Cr.) 2-7025-1	1959	3.1 (12)	5.7 (3)	8.6 (1)					
Wise River (Below Wyman Cr.) 2-7025-1	1959	3.8 (8)	6.5 (2)						
BITTERROOT RIVER DRAINAGE (Streams)									
Lolo Creek 3-3475-1	1950	4.3 (3)	7.4 (3)						
Miller Creek 3-3975-1	1961	3.1 (15)	6.3 (5)						

Brook Trout, Salvelinus fontinalis cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
BITTERROOT RIVER DRAINAGE (Streams) cont.									
Tin Cup Creek 3-6425-1	1959	3.6 (15)	5.9 (2)						
BLACKFOOT RIVER DRAINAGE (Lakes)									
Placid Lake 4-7140-3	1955	2.8 (15)	5.5 (15)	8.4 (15)	11.1 (13)	14.5 (6)			
Placid Lake 4-7140-3	1957	2.9 (32)	5.2 (32)	7.2 (23)	8.8 (4)	10.2 (1)			
(Streams)									
Finley Creek 4-2370-1	1961	3.3 (10)	4.4 (1)						
Placid Creek 4-4230-1	1950	2.8 (293)	5.0 (172)	8.8 (36)	11.4 (8)	16.0 (4)			
CLARK FORK RIVER DRAINAGE (Lakes)									
Diamond Lake 5-8720-3	1961	2.7 (75)	5.8 (75)	7.5 (11)					
East Fork Res. 6-7695-5	1960	3.0 (8)	6.1 (8)	8.8 (5)					
Echo Lake 6-7733-3	1961	3.0 (13)	5.9 (13)	8.4 (3)	11.9 (1)	14.5 (1)	16.0 (1)	17.4 (1)	
Georgetown Lake 6-7961-5	1950	5.5 (6)	10.2 (6)	14.1 (3)	15.4 (1)				
Georgetown Lake 6-7961-5	1958	4.0 (12)	9.9 (12)	14.6 (3)					
Georgetown Lake 6-7961-5	1960	3.2 (51)	7.2 (51)	11.2 (30)	15.1 (2)				
Georgetown Lake 6-7961-5	1961	3.1 (9)	5.1 (9)	10.0 (7)					

Brook Trout, Salvelinus fontinalis cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
CLARK FORK RIVER DRAINAGE (Lakes)									
Lower Thompson Lake 5-9152-3	1956	3.5 (9)	6.2 (7)	9.8 (5)					
Moore Lake 5-9264-3	1958	3.7 (46)	7.3 (27)	9.8 (4)					
Silver Lake 5-9552-3	1958	2.4 (55)	5.5 (55)	7.7 (24)					
Silver Lake 5-9552-3	1961	2.9 (29)	5.9 (28)	7.2 (5)	8.5 (1)				
(Streams)									
Flint Creek	1953	4.0 (6)	6.7 (3)						
Lost Creek 6-3705-1	1959	3.0 (21)	5.7 (13)	7.2 (1)					
Mill Creek 5-4800-1	1959	3.3 (23)	5.4 (6)						
Prospect Creek 5-5648-1	1960	2.8 (55)	4.4 (23)	6.0 (5)					
Ranch Creek 6-5111-1	1959	3.0 (8)	5.7 (8)	8.0 (4)					
Rock Creek	1948	4.2 (22)	6.5 (15)						
Rock Creek	1959	4.0 (62)	6.8 (26)	10.2 (5)					
Twelve Mile Creek 5-7488-1	1961	2.9 (10)	5.0 (4)	7.4 (2)					
Warm Springs Cr. 6-6878-1	1959	3.1 (10)	5.2 (6)						
Willow Creek 6-7144-1	1959	4.5 (15)	6.6 (6)						

Brook Trout, Salvelinus fontinalis cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
FLATHEAD RIVER DRAINAGE (Lakes)									
Lake of the Woods	1961	2.4	5.1	7.2					
7-7180-3		(7)	(7)	(3)					
Lost Lake	1953	4.2	6.9	9.1					
7-7470-3		(48)	(17)	(1)					
Spoon Lake	1953	3.8	6.7	8.8					
8-9720-3		(15)	(15)	(3)					
(Streams)									
Little Bitterroot River	1950	3.4	5.7						
7-2460-1		(7)	(1)						
Little Bitterroot River	1951	3.2	6.4	10.4					
7-2460-1		(6)	(3)	(1)					
Logan Creek	1950	2.7	4.9	6.7					
		(19)	(11)	(1)					
Martin Creek	1960	3.3	5.6						
		(14)	(1)						
Nine Mile Creek	1960	2.8	5.2	7.8					
8-5040-1		(20)	(13)	(3)					
Postal Creek	1960	3.3	6.1	8.2					
		(8)	(7)	(3)					
Smith Creek	1951	3.9	7.3	10.4					
7-4000-1		(57)	(53)	(17)					
GALLATIN RIVER DRAINAGE (Streams)									
West Gallatin River									
Section I	1948	4.6	8.5						
9-6878-1		(12)	(8)						
KOOTENAI RIVER DRAINAGE (Lakes)									
Killbrennan Lake	1956	2.9	5.6	8.5	10.6				
11-8640-3		(47)	(44)	(18)	(2)				

	Year Collected	I	II	III	IV	V	VI	VII	VIII
KOOTENAI RIVER DRAINAGE (Lakes) cont.									
Spar Lake	1956	3.4 (18)	5.9 (10)	9.1 (3)					
(Streams)									
Cripple Horse Cr. 11-1520-1	1952	4.0 (7)							
Dodge Creek 11-1820-1	1952	4.2 (6)							
Five Mile Creek 11-2340-1	1952	3.7 (5)							
O'Brien Creek 11-4820-1	1950	3.1 (258)	5.7 (94)	7.5 (3)					
Pinkham Creek 11-5140-1	1951	4.2 (81)	6.2 (6)						
Pinkham Creek 11-5140-1	1956	2.5 (42)	4.2 (22)	6.1 (5)					
MADISON RIVER DRAINAGE (Streams)									
Cougar Creek 13-1360-1	1951	3.9 (14)	6.6 (2)						
MILK RIVER DRAINAGE (Lakes)									
Riebe Reservoir 15-8920-7	1960	4.5 (15)	10.1 (14)	13.9 (1)	16.9 (1)				
(Streams)									
Beaver Creek 15-280-1	1952	3.9 (33)	6.4 (14)	7.9 (2)	9.4 (1)				
Beaver Creek 15-280-1	1957	3.1 (30)	5.4 (19)	8.9 (5)	11.4 (2)				
Big Sandy Creek 15-440-1	1958	2.7 (9)	4.9 (7)	7.1 (2)	8.5 (1)				

Brook Trout, Salvelinus fontinalis cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
MILK RIVER DRAINAGE (Streams) cont.									
Clear Creek 15-960-1	1957	3.3 (107)	5.9 (44)	8.1 (4)					
MISSOURI RIVER DRAINAGE (Lakes)									
Upper and Lower Tizer Lakes 17-9696-3	1952	3.2 (48)	5.3 (24)	6.9 (5)	7.4 (1)				
(Streams)									
Eagle Creek 16-1320-1	1958	3.5 (22)	6.2 (8)	9.2 (1)	11.0 (1)				
Elkhorn Creek 17-2624-1	1952	3.9 (28)	7.2 (26)	9.2 (3)					
Newlan Creek 17-5200-1	1953	4.4 (7)	6.3 (2)						
Prickley Pear Cr. 17-6016-1	1950-51	4.1 (108)	7.0 (34)	9.6 (5)					
Running Wolf Cr. 16-3160-1	1951	4.4 (31)	7.6 (9)						
Running Wolf Cr. 16-3160-1	1961	2.9 (25)	5.5 (11)						
Sheep Creek 17-6544-1	1951	4.4 (81)	6.4 (8)	9.0 (1)	12.2 (1)				
Skonkin Creek 17-6656-1	1960	3.4 (91)	6.0 (18)	7.1 (1)					
Wolf Creek 16-4180-1	1958	3.0 (32)	5.8 (18)	8.6 (3)					
Wolf Creek 16-4180-1	1961	3.8 (6)	9.7 (2)						

Brook Trout, Salvelinus fontinalis cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
MUSSELSHELL RIVER DRAINAGE (Lakes)									
Holiday Lake 18-7860-7	1954-58	4.3 (71)	8.8 (57)	12.1 (13)					
Holiday Lake 18-7860-7	1960	5.0 (33)	8.7 (18)	10.8 (2)					
Holiday Lake 18-7860-7	1961	4.1 (58)	8.4 (57)	11.0 (37)					
(Streams)									
Allabaugh Creek 18-60-1	1950	2.8 (76)	5.1 (13)						
Big Elk Creek 18-360-1	1951	4.1 (64)	6.2 (16)						
SUN RIVER DRAINAGE (Lakes)									
Willow Creek Res. 20-8500-5	1959	3.0 (2)	6.3 (2)	9.2 (2)					
(Streams)									
West Fork Sun River 20-6400-1	1960	2.7 (11)	5.3 (11)	7.3 (3)					
YELLOWSTONE RIVER DRAINAGE (Lakes)									
Crescent Lake 22-7588-3	1949	2.5 (6)	5.3 (6)	7.5 (4)	9.0 (1)				
Crescent Lake 22-7588-3	1959	3.1 (11)	5.9 (11)	8.0 (9)					
Crow Lake 22-7602-3	1959	2.7 (116)	5.5 (110)	7.8 (107)	9.2 (28)				
Gertrude Lake 22-7966-3	1949	3.6 (9)	6.1 (9)	8.2 (5)					

Brook Trout, Salvelinus fontinalis cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
YELLOWSTONE RIVER DRAINAGE (Lakes) cont.									
Glacier Reservoir	1959	3.2	5.9	8.1	10.1	11.9	14.2		
22-7980-3		(57)	(46)	(40)	(32)	(4)	(1)		
Hellroaring Lake	1949	3.9	7.2	9.5					
22-8064-3		(40)	(38)	(21)					
Hellroaring Lake	1949	3.6	7.5	10.6					
No. 5		(10)	(9)	(4)					
22-8064-3									
Hellroaring Lake	1952	3.1	6.7	9.7					
No. 1		(16)	(10)	(5)					
22-8064-3									
Kersey Lake	1959	2.8	5.2	7.2	8.6				
22-8274-3		(121)	(101)	(65)	(19)				
Lost Lake	1949	3.3	6.4	8.4					
22-8512-3		(15)	(12)	(5)					
Round Lake	1959	2.7	6.7	9.8	12.0				
22-9044-3		(60)	(38)	(12)	(8)				
Russell Lake	1959	2.3	5.2	7.7	10.2				
22-9072-3		(133)	(101)	(60)	(6)				
September Morn Lake	1949	3.4	6.4	8.6	9.8				
22-9128-3		(38)	(37)	(30)	(4)				
Shelf Lake	1949	2.9	5.6	7.7	11.2				
22-9156-3		(12)	(12)	(12)	(1)				
Ship Lake	1949	3.3	5.9	7.6					
22-9170-3		(15)	(15)	(13)					
Ship Lake	1959	3.1	5.3	7.3	9.2				
22-9170-3		(92)	(86)	(65)	(26)				
Slough Lake	1951	5.3							
22-9254-3		(75)							
Slide Rock Lake	1949	3.4	6.0	8.6					
22-9240-3		(28)	(28)	(25)					

Brook Trout, Salvelinus fontinalis cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
YELLOWSTONE RIVER DRAINAGE (Lakes) cont.									
Timberline Lake	1949	3.6	6.1	7.8					
22-9478-3		(26)	(22)	(9)					
Timberline Lake	1959	2.0	4.5	6.5	7.9				
22-9478-3		(76)	(61)	(53)	(11)				
(Streams)									
Boulder River	1948	4.2	6.7						
		(14)	(11)						
East Fishtail Cr.	1948	3.9	7.3	9.2					
22-2058-1		(5)	(4)	(1)					
Sage Creek	1950	3.8	6.0	8.7					
22-5110-1		(23)	(17)	(5)					
West Fork Rock Creek	1952	3.0	6.0	9.0	10.6				
22-6650-1		(8)	(8)	(8)	(2)				

Dolly Varden, Salvelinus malma

BITTERROOT RIVER DRAINAGE
(Streams)

Meadow Creek	1952	3.2	4.6	6.2					
3-3800-1		(42)	(20)	(1)					
South Fork Skalkaho Creek	1952	3.1	5.1	7.4					
3-5850-1		(6)	(5)	(2)					

BLACKFOOT RIVER DRAINAGE
(Lakes)

Alva Lake	1955	2.2	5.3	7.8	10.7	13.2	16.5		
4-6120-3		(12)	(12)	(12)	(12)	(4)	(1)		
Inez Lake	1955	3.0	5.7	8.1	10.8	13.3	16.2		
4-6720-3		(14)	(14)	(14)	(13)	(7)	(2)		
Placid Lake	1955	2.9	5.5	8.0	11.8	12.1	18.2	23.0	
4-7140-3		(25)	(25)	(25)	(25)	(15)	(2)	(1)	

Dolly Varden, Salvelinus malma cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
BLACKFOOT RIVER DRAINAGE (Lakes) cont.									
Placid Lake 4-7140-3	1956	2.6 (24)	5.1 (24)	7.6 (24)	10.7 (22)	14.5 (12)	18.9 (6)	23.1 (3)	
Salmon Lake 4-7230-3	1948	4.4 (7)	7.5 (7)	10.9 (5)					
Salmon Lake 4-7230-3	1955	2.5 (8)	4.7 (8)	6.9 (8)	9.5 (8)	13.7 (4)	18.5 (3)	21.8 (3)	21.2 (1)
Salmon Lake 4-7230-3	1961	3.0 (15)	5.9 (15)	9.2 (14)	12.5 (10)	17.3 (1)			
Seeley Lake 4-7260-3	1948	4.8 (7)	9.2 (7)	12.0 (1)					
Seeley Lake 4-7260-3	1955	3.0 (35)	5.2 (35)	8.0 (35)	11.1 (31)	12.2 (14)	18.5 (2)		
(Streams)									
Belmont Creek 4-420-1	1950	6.2 (4)							
Clearwater River 4-1290-1	1957	2.4 (31)	4.7 (23)	7.0 (9)	9.8 (1)	11.5 (1)	14.4 (1)	16.7 (1)	
CLARK FORK COLUMBIA RIVER DRAINAGE (Lakes)									
East Fork Res. 6-7695-5	1960	3.1 (34)	6.9 (34)	10.6 (25)	14.7 (4)				
(Streams)									
Boulder Creek 6-646-1	1961	2.8 (34)	5.6 (17)						
Ranch Creek 6-5111-1	1959	2.6 (12)	4.9 (12)	7.8 (6)	13.1 (2)				
Rock Creek	1958	3.4 (35)	6.7 (35)	9.6 (32)	12.9 (5)				
Rock Creek	1959	3.7 (54)	6.8 (40)	10.2 (26)	14.1 (6)	16.6 (1)			

Dolly Varden, Salvelinus malma cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
CLARK FORK COLUMBIA RIVER DRAINAGE (Streams) cont.									
Rock Creek	1960	3.1 (23)	6.2 (23)	9.0 (16)					
Trout Creek 5-7408-1	1957	2.8 (17)	5.8 (12)	9.0 (1)					
Twelve Mile Creek 5-7488-1	1961	2.3 (6)	4.2 (3)	6.4 (2)					
FLATHEAD RIVER DRAINAGE (Lakes)									
Doctor Lake 8-8520-3	1960	3.0 (6)	5.4 (6)	10.0 (6)	13.3 (6)	18.0 (2)			
Frozen Lake 8-8580-3	1957	2.4 (41)	5.3 (41)	8.4 (37)	11.5 (15)	14.1 (11)	16.8 (1)		
Hungry Horse Res. 8-8860-5	1958	2.6 (152)	5.4 (152)	8.7 (138)	12.7 (98)	17.1 (40)	20.6 (19)	23.3 (1)	
Hungry Horse Res. 8-8860-5	1960	2.2 (39)	5.6 (39)	9.4 (38)	13.9 (23)	16.3 (7)			
Hungry Horse Res. 8-8860-5	1961	2.8 (214)	5.5 (214)	8.7 (194)	13.0 (133)	17.5 (91)	23.3 (31)	27.6 (5)	
Upper Whitefish Lake 7-9460-3	1957	2.9 (17)	5.8 (17)	8.5 (17)	10.7 (11)	14.3 (2)	16.3 (1)		
(Streams)									
Bear Creek 8-540-1	1952	3.4 (24)	5.6 (6)						
Moose Creek 8-4880-1	1952	3.1 (21)	4.0 (4)						
South Fork Flathead River 8-6660-1	1952	3.6 (15)	5.5 (10)	7.1 (3)					
Upper Jocko River 7-2260-1	1956	2.8 (16)	5.6 (16)	7.6 (8)	8.7 (1)				

Dolly Varden, Salvelinus malma cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
KOOTENAI RIVER DRAINAGE (Streams)									
Flower Creek 11-2440-1	1959	2.1 (8)	3.8 (7)	5.2 (5)					
Graves Creek 11-2720-1	1952	4.0 (8)							
O'Brien Creek 11-4820-1	1950	4.0 (4)	7.2 (1)	11.2 (1)	15.9 (1)	19.2 (1)			

Lake Trout, Salvelinus namaycush

BIG HOLE RIVER DRAINAGE (Lakes)									
Twin Lake 2-9425-3	1959	2.8 (15)	5.8 (15)	10.4 (12)	13.9 (5)	19.9 (2)	25.2 (1)		
Whitefish Lake 7-9540-3	1961	3.0 (17)	5.8 (17)	9.4 (17)	14.3 (17)	20.0 (17)	25.0 (17)	29.4 (17)	31.8 (15)
									IX 34.4 (4)

Artic Grayling, Thymallus arcticus

BEAVERHEAD RIVER DRAINAGE (Streams)									
Battle Creek	1950	5.4 (15)	11.3 (15)	14.1 (12)					
BIG HOLE RIVER DRAINAGE (Lakes)									
Miner Lake 2-8525-3	1959	2.6 (6)	6.7 (6)	10.0 (6)	11.5 (2)	12.7 (1)			
Mussigbrod Lake 2-8625-3	1957	3.7 (43)	7.9 (32)	10.0 (12)	10.9 (2)	12.3 (1)			
Mussigbrod Lake 2-8625-3	1959	3.5 (9)	8.0 (8)	10.3 (8)					

Arctic Grayling, Thymallus arcticus cont.

Year Collected		I	II	III	IV	V	VI	VII	VII
CLARK FORK RIVER DRAINAGE (Lakes)									
Georgetown Lake 6-7961-5	1958	3.4 (32)	9.4 (27)						
FLATHEAD RIVER DRAINAGE (Streams)									
Ashley Creek	1953	5.2 (11)	9.8 (11)	12.1 (11)	13.7 (10)	14.2 (1)			
MADISON RIVER DRAINAGE (Lakes)									
Ennis Lake 13-7560-5	1950	5.6 (14)	12.2 (8)						
West Fork Beaver Creek Lake 13-6520-	1951	4.0 (4)	8.2 (4)	11.0 (4)	12.6 (4)	13.0 (1)	13.9 (1)		

HIODONTIDAE

Goldeye, Hiodon alosoides

MARIAS RIVER DRAINAGE (Streams)									
Marias River 14-3240-2	1961	3.3 (17)	6.9 (17)	9.7 (17)	10.9 (16)	11.5 (12)	12.2 (1)		
MISSOURI RIVER DRAINAGE (Lakes)									
Fort Peck Res. 16-5140-5	1949	4.6 (312)	8.8 (312)	11.2 (281)	12.3 (144)	13.3 (45)	14.1 (8)		
Fort Peck Res. 16-5140-5	1950	4.5 (12)	8.7 (11)	11.1 (8)	12.2 (3)	12.8 (1)			

Northern Pike, Esox lucius

	Year Collected	I	II	III	IV	V	VI	VII	VIII
LITTLE MISSOURI DRAINAGE (Lakes)									
Tauck Brothers Ranch Pond 12-4150-8	1959	15.8 (6)							
MILK RIVER DRAINAGE (Lakes)									
Chauncey Flynn Reservoir	1953	9.8 (23)	15.3 (23)	18.2 (19)					
MISSOURI RIVER DRAINAGE (Lakes)									
Raymond Reservoir 16-7740-6	1960	13.0 (7)	22.6 (3)						
YELLOWSTONE RIVER DRAINAGE (Lakes)									
Lindsay Reservoir 21-5050-8	1960	9.1 (5)	16.3 (5)	23.1 (5)	27.0 (1)	28.7 (1)			

Utah Chub, Gila atraria

MADISON RIVER DRAINAGE (Lakes)									
Hebgen Lake 13-7720-5	1948	1.6 (475)	3.5 (437)	6.1 (435)	8.2 (382)	9.7 (329)	10.9 (227)	12.4 (38)	13.6 (4)

Peamouth, Mylocheilus caurinus[illegible]

Peamouth, Mylocheilus caurinus cont.

Year Collected	I	II	III	IV	V	VI	VII	VIII
CLARK FORK RIVER DRAINAGE (Lakes)								
Clarks Fork River 1958	2.4 (36)	4.6 (22)	6.1 (6)	8.4 (3)				

Northern Squawfish, Ptychocheilus oregonensis

BLACKFOOT RIVER DRAINAGE (Lakes)									
Alva Lake 4-6120-3	1955	2.1 (267)	3.3 (267)	4.6 (267)	5.9 (267)	7.2 (263)	8.4 (233)	9.5 (180)	10.5 (113)
						IX 11.5 (73)	X 12.3 (38)	XI 13.4 (16)	XII 14.4 (9)

CLARK FORK RIVER
DRAINAGE
(Lakes)

Lower Thompson Lake 5-9152-3	1952	1.8 (17)	3.6 (17)	5.0 (17)	6.4 (17)	8.2 (12)	8.6 (9)	11.4 (7)	
(Streams)									
Boiling Springs 5-736-1	1952	2.8 (6)	5.5 (6)	7.6 (6)	9.3 (5)	10.8 (5)	12.2 (5)	13.6 (5)	
Clark Fork River 1958		1.7 (106)	3.3 (80)	4.9 (53)	6.7 (22)	8.4 (16)	9.9 (13)	11.5 (9)	12.8 (5)
						IX 14.7 (3)	X 16.1 (3)	XI 17.4 (1)	XII 18.4 (1)

CATOSTOMIDAE

Longnose Sucker, Catostomus catostomus

BLACKFOOT RIVER
DRAINAGE
(Lakes)

Cooper Lake 4-6330-3	1957	1.5 (49)	3.5 (49)	6.3 (49)	9.5 (49)	11.8 (32)	14.0 (23)	15.8 (12)	17.1 (5)
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Longnose Sucker, Catostomus catostomus cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
BLACKFOOT RIVER DRAINAGE (Lakes) cont.									
Placid Lake 4-7140-3	1951	2.0 (16)	5.4 (16)	8.2 (12)	10.6 (9)	12.8 (6)	13.7 (2)		
CLARK FORK RIVER DRAINAGE (Streams)									
Georgetown Lake 6-7961-5	1960	1.0 (29)	3.1 (29)	6.3 (28)	8.8 (13)	10.4 (5)			
MARIAS RIVER DRAINAGE (Streams)									
Marias River 14-3240-2	1961	1.4 (45)	3.7 (42)	6.7 (38)	9.2 (31)	11.4 (15)	13.4 (9)	13.8 (4)	14.6 (1)
MISSOURI RIVER DRAINAGE (Lakes)									
Canyon Ferry Res. 17-8832-5	1958	2.3 (42)	5.7 (42)	8.9 (33)	10.4 (19)	10.7 (2)			
YELLOWSTONE RIVER DRAINAGE (Streams)									
Bluewater Creek 22-714-1	1961	1.7 (107)	4.1 (65)	7.3 (46)	10.6 (29)	12.6 (12)	16.0 (2)		

White Sucker, Catostomus commersoni

MARIAS RIVER
DRAINAGE
(Lakes)

Bynum Reservoir 14-7080-5	1961	1.7 (51)	5.0 (51)	9.1 (48)	12.4 (34)	14.5 (18)	15.2 (7)	15.9 (2)
Mission Lake (Lower) 14-8080-3	1961	1.6 (32)	5.5 (32)	10.8 (26)	13.8 (21)	15.3 (3)	16.4 (1)	16.9 (1)
Tiber Reservoir 14-9240-5	1958	3.0 (67)	9.7 (32)					

White Sucker, Catostomus commersoni cont.

Year Collected		I	II	III	IV	V	VI	VII	VIII
MARIAS RIVER DRAINAGE (Streams)									
Marias River	1961	2.6	6.9	9.6	11.6	13.4			
14-3240-2		(32)	(32)	(23)	(11)	(2)			
MISSOURI RIVER DRAINAGE (Lakes)									
Canyon Ferry Res.	1958	1.9	5.2	8.5	10.8	12.9	14.3	14.9	16.4
17-8832-5		(112)	(108)	(100)	(81)	(42)	(6)	(5)	(3)
									IX 17.1 (1)
Kellenbeck Res.	1960	1.2	3.9	7.9	10.7	11.9			
16-6200-8		(10)	(10)	(9)	(9)	(3)			
(Streams)									
Poplar River	1961	1.6	3.1	4.7	7.0	10.7	10.5		
16-2820-2		(18)	(14)	(11)	(3)	(2)	(1)		
MUSSELSHELL RIVER DRAINAGE (Lakes)									
Martinsdale Res.	1951	2.4	6.0	9.7	12.1	13.3			
18-8380-5		(10)	(10)	(10)	(9)	(6)			
YELLOWSTONE RIVER DRAINAGE (Streams)									
Bluewater Creek	1961	1.8	4.6	6.5	8.8	9.9	11.6		
22-714-1		(56)	(17)	(8)	(6)	(3)	(1)		

Largescale Sucker, Catostomus macrocheilus

CLARK FORK RIVER DRAINAGE (Streams)									
Clark Fork River	1950	1.8	3.3	5.4	7.4	10.3	12.9	15.7	16.8
		(205)	(145)	(93)	(73)	(68)	(44)	(37)	(12)

Northern Redhorse, Moxostoma macrolepidotum

	Year Collected	I	II	III	IV	V	VI	VII	VIII
MARIAS RIVER DRAINAGE (Streams)									
Marias River 14-3240-2	1961	1.4 (15)	3.7 (15)	6.1 (10)	9.1 (5)	11.0 (2)	13.1 (1)	14.5 (1)	

CENTRARCHIDAE

Pumpkinseed, Lepomis gibbosus

BLACKFOOT RIVER
DRAINAGE
(Lakes)

Placid Lake 4-7140-3	1956	1.0 (13)	2.3 (13)	3.9 (13)	5.3 (10)	6.4 (7)	7.2 (6)	7.6 (4)	
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CLARK FORK RIVER
DRAINAGE
(Lakes)

Lower Thompson Lake 5-9152-3	1952	1.5 (33)	2.4 (33)	3.5 (33)	3.8 (26)	4.9 (16)	5.4 (6)		
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FLATHEAD RIVER
DRAINAGE
(Lakes)

Bailey Lake 8-8040-3	1949	0.6 (21)	1.6 (21)	2.2 (21)	2.6 (21)	2.8 (16)	3.0 (15)	3.3 (14)	
Blanchard Lake 7-5400-4	1961	0.8 (6)	1.6 (6)	2.5 (6)	4.3 (3)	6.0 (2)	5.8 (1)	6.4 (1)	7.3 (1)

IX
7.7
(1)

Bluegill, Lepomis macrochirus

BLACKFOOT RIVER
DRAINAGE
(Lakes)

Salmon Lake 4-7230-3	1948	1.9 (19)	3.2 (19)	4.4 (14)	5.0 (10)	5.7 (7)	5.8 (1)		
Seeley Lake 4-7260-3	1948	1.7 (23)	2.8 (23)	3.9 (21)	5.0 (20)	6.2 (20)	6.9 (15)	7.7 (5)	8.3 (1)

Bluegill, Lepomis macrochirus cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
MADISON RIVER DRAINAGE (Lakes)									
East Three Forks Pond 13-8650-7	1957	1.7 (67)	2.9 (39)	4.0 (35)	4.7 (29)	5.2 (14)	5.6 (2)	6.6 (1)	
Middle Three Forks Pond 13-8640-7	1957	0.8 (25)	1.8 (25)	2.8 (22)	3.8 (21)	4.7 (14)	5.3 (10)	6.0 (4)	6.9 (1)
West Three Forks Pond 13-8640-7	1957	0.8 (27)	2.2 (20)	4.8 (5)	5.7 (2)				
MISSOURI RIVER DRAINAGE (Lakes)									
Jacobson Res. 16-6060-8	1961	1.0 (10)	2.8 (10)	4.0 (10)	5.4 (10)	6.0 (10)	6.6 (10)		
Stafford Lake 16-8380-7	1960	1.0 (16)	2.0 (16)	4.0 (16)	5.2 (16)	6.0 (13)	7.0 (1)		
YELLOWSTONE RIVER DRAINAGE (Lakes)									
Killens Reservoir 21-4624-8	1960	1.4 (14)	2.9 (14)	4.1 (14)	5.3 (14)	6.0 (13)	6.4 (4)		

Largemouth Bass, Micropterus salmoides

FLATHEAD RIVER DRAINAGE (Lakes)									
Kicking Horse Reservoir 7-7020-6	1960	2.0 (17)	5.2 (17)	6.4 (14)	7.6 (3)				
Nine Pipe Res. 7-8100-6	1960	3.1 (107)	7.1 (107)	10.9 (107)	12.6 (84)	13.8 (62)	14.7 (30)	15.8 (25)	16.6 (16)
							IX 17.0 (3)	X 17.5 (3)	XI 17.9 (1)

Largemouth Bass, Micropterus salmoides cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
MADISON RIVER DRAINAGE (Lakes)									
East Three Forks Pond 13-8640-7	1957	2.0 (52)	3.7 (40)	5.6 (34)	7.7 (28)	9.3 (20)	10.9 (17)	12.3 (15)	13.2 (12)
								IX 14.0 (6)	X 13.8 (3)
Middle Three Forks Pond 13-8640-7	1957	1.8 (61)	3.7 (54)	5.5 (51)	7.4 (47)	10.0 (28)	11.7 (23)	13.4 (15)	14.3 (10)
									IX 15.2 (5)
West Three Forks Pond 13-8640-7	1959	2.0 (45)	4.2 (31)	6.2 (27)	8.5 (20)	10.4 (17)	12.0 (12)	13.3 (8)	14.3 (6)
									IX 15.8 (1)
MISSOURI RIVER DRAINAGE (Lakes)									
Latka Reservoir 16-6520-8	1961	1.8 (42)	4.8 (42)						
Tolksdorf Res. 16-8600-8	1961	1.8 (17)	4.8 (17)						
MUSSELSHELL RIVER DRAINAGE (Lakes)									
Yellow Water Res. 18-9500-6	1948	1.9 (87)	3.7 (87)	5.8 (87)	7.6 (78)	8.4 (58)	10.1 (2)		
YELLOWSTONE RIVER DRAINAGE (Lakes)									
Grossfield Res. 21-3340-8	1951	3.2 (21)	8.8 (21)						

Black Crappie, Pomoxis nigromaculatus

	Year Collected	I	II	III	IV	V	VI	VII	VIII
MADISON RIVER DRAINAGE (Lakes)									
East Three Forks Ponds 13-8640-7	1957	1.3 (26)	2.6 (22)	4.3 (21)	5.5 (19)	6.1 (12)	6.5 (7)	7.1 (2)	
Middle Three Forks Pond 13-8640-7	1957	1.0 (29)	2.2 (29)	3.3 (28)	4.3 (25)	5.4 (13)	6.8 (6)	6.9 (1)	
MISSOURI RIVER DRAINAGE (Lakes)									
Fort Peck Res. 16-5140-5	1948	4.6 (67)	7.0 (67)	8.3 (67)	9.4 (62)	10.3 (30)	11.7 (4)		
Fort Peck Res. 16-5140-5	1949	4.8 (17)	7.1 (17)	8.6 (17)	9.8 (16)	10.6 (5)	10.9 (3)	11.1 (1)	
YELLOWSTONE RIVER DRAINAGE (Streams)									
Tongue River 21-1200-1	1954	2.1 (9)	4.4 (8)	6.5 (7)	7.8 (3)	8.9 (2)			
Tongue River 21-1200-1	1955	2.2 (15)	4.8 (14)	6.5 (13)	10.0 (2)				

PERCIDAE

Yellow Perch, Perca flavescens

BLACKFOOT RIVER DRAINAGE (Lakes)									
Brown Lake 4-6210-4	1954	1.5 (36)	3.2 (36)	4.6 (36)	5.9 (34)	7.1 (24)	8.2 (10)	9.3 (5)	10.9 (1)
Inez Lake 4-6720-3	1954	1.4 (31)	2.8 (31)	4.1 (31)	5.3 (31)	6.3 (25)	7.3 (9)	8.3 (4)	9.1 (2)
Inez Lake 4-6720-3	1955	1.4 (49)	2.8 (49)	4.2 (49)	5.3 (48)	6.1 (43)	6.6 (28)	7.8 (14)	

Yellow Perch, Perca flavescens cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
BLACKFOOT RIVER DRAINAGE (Lakes)									
Lake Alve 4-6120-3	1948	1.7 (32)	3.4 (32)	5.0 (32)	5.4 (2)				
Rainy Lake 4-7170-3	1948	1.6 (30)	3.2 (30)	4.7 (30)	5.6 (27)	6.2 (20)	6.9 (19)	7.6 (15)	7.8 (9)
									IX 9.0 (1)
Salmon Lake 4-7230-3	1948	1.7 (32)	3.5 (32)	4.9 (29)	5.9 (25)	6.5 (22)	7.0 (15)	8.0 (3)	9.1 (2)
Salmon Lake 4-7230-3	1955	1.6 (51)	3.3 (51)	4.4 (51)	5.3 (51)	5.8 (43)	6.2 (34)	6.7 (6)	
Seeley Lake 4-7260-3	1948	1.3 (10)	2.9 (10)	5.0 (10)	6.1 (1)				
Seeley Lake 4-7260-3	1954	1.3 (25)	2.8 (25)	4.1 (25)	5.4 (25)	6.5 (22)	7.6 (16)	8.4 (3)	9.5 (1)
Seeley Lake 4-7260-3	1955	1.3 (50)	2.7 (50)	3.9 (50)	5.0 (50)	5.8 (46)	6.7 (38)	7.3 (17)	9.2 (1)
Upsata Lake 4-7560-3	1948	2.5 (30)	4.3 (30)	4.7 (15)	5.1 (11)	5.6 (9)			
CLARK FORK COLUMBIA RIVER DRAINAGE (Lakes)									
Lower Thompson Lake 5-9152-3	1954	1.5 (59)	3.1 (54)	4.1 (33)	5.4 (19)	6.9 (14)			
Lower Thompson Lake 5-9152-3	1956	1.7 (39)	3.8 (39)	5.7 (23)	8.2 (6)				
Middle Thompson Lake 5-9232-3	1956	1.6 (29)	3.3 (29)	4.9 (29)	6.6 (4)	8.9 (2)	10.4 (1)		
Rainbow Lake 5-9408-4	1957	1.8 (24)	4.2 (24)	6.3 (24)	7.5 (23)	8.4 (22)	8.9 (16)	9.7 (2)	10.3 (1)

Yellow Perch, Perca flavescens cont.

	Year Collected	I	II	III	IV	V	VI	VII	VIII
FLATHEAD RIVER DRAINAGE (Lakes)									
Ashley Lake 7-5220-3	1956	1.8 (43)	4.2 (43)	6.3 (9)	8.7 (8)	10.3 (1)			
Blanchard Lake 7-5400-4	1961	1.5 (51)	3.0 (51)	4.7 (51)	6.6 (44)	8.2 (38)	9.1 (16)	10.4 (5)	11.9 (3)
									IX 12.7 (2)
MADISON RIVER DRAINAGE (Lakes)									
East Three Forks Pond 13-8640-7	1957	1.9 (18)	3.5 (14)	4.6 (13)	4.9 (8)	5.5 (1)			
Middle Three Forks Pond 13-8640-7	1957	2.0 (22)	3.3 (15)	4.1 (14)	4.8 (7)	5.7 (4)			
West Three Forks Pond 13-8640-7	1957	2.4 (43)	4.8 (31)	7.0 (37)	8.5 (23)	9.7 (17)	10.7 (3)		
MARIAS RIVER DRAINAGE (Lakes)									
Bynum Reservoir 14-7080-5	1961	1.4 (63)	3.0 (63)	4.1 (63)	6.7 (40)	7.9 (9)	9.9 (2)	11.6 (1)	
MILK RIVER DRAINAGE (Streams)									
Milk River 15-2760-2	1960	2.1 (21)	3.8 (12)	5.6 (3)					
MISSOURI RIVER DRAINAGE (Lakes)									
Canyon Ferry Res. 17-8832-5	1958	2.5 (88)	5.2 (88)	7.1 (67)	8.7 (39)	10.8 (7)	12.4 (3)		

Walleye, Stizostedion vitreum

	Year Collected	I	II	III	IV	V	VI	VII	VIII
CLARK FORK COLUMBIA RIVER DRAINAGE (Lakes)									
Rainbow Lake (Dog Lake) 5-9408-4	1957	4.3 (14)	9.3 (14)	13.5 (13)	16.3 (13)	18.7 (13)	20.4 (11)	21.9 (4)	
MILK RIVER DRAINAGE (Lakes)									
Frenchman Res. 15-5200-8	1958	7.3 (34)	13.3 (28)	15.8 (9)	18.1 (4)	17.7 (1)			
(Streams)									
Milk River	1960	5.1 (16)	11.8 (9)	16.9 (4)	22.1 (2)	24.2 (2)			
MISSOURI RIVER DRAINAGE (Lakes)									
Hauser Lake 17-9056-5	1961	6.6 (9)	12.8 (9)	16.9 (4)	20.7 (1)				
Nelson Reservoir 16-7180-	1959	3.7 (71)	7.6 (71)	10.6 (20)	13.6 (6)	18.5 (2)	25.6 (1)		
Whiteside Pond	1960	5.3 (22)	9.1 (22)						
YELLOWSTONE RIVER DRAINAGE (Lakes)									
Killens Reservoir 21-4624-8	1959	2.5 (7)	6.7 (7)	11.3 (7)	15.9 (6)				
Killens Reservoir 21-4624-8	1960	3.1 (18)	6.7 (18)	12.0 (12)	16.0 (12)	17.6 (7)			
Westrope Lake 21-9400-8	1957	4.3 (45)	9.1 (45)	13.4 (45)	15.4 (45)				

COTTIDAE

Mottled Sculpin, Cottus bairdi

West Gallatin *29.6-56.7 64.4-79.3 80.5-98.0 84.0-118.5 93.0-110.0
River

*Average total lengths of age groups from 151 specimens in mm.

TABLE II. Age and growth of Montana fish enumerated for (1) lakes, (2) streams, and (3) all waters. Average calculated total lengths, in inches, are shown for each annulus. The number of fish is indicated by the number in parenthesis.

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
Lake Whitefish, <u>Coregonus clupeaformis</u>											
Lakes	7.0 (54)	10.9 (53)	14.0 (53)								
Streams	3.9 (6)	7.8 (6)	11.4 (6)	13.1 (5)	14.6 (2)						
All Waters	6.7 (60)	10.6 (59)	13.7 (59)	13.1 (5)	14.6 (2)						
Mountain Whitefish, <u>Prosopium williamsoni</u>											
Lakes	3.6 (815)	7.4 (773)	9.5 (578)	10.8 (288)	11.8 (87)	12.1 (20)	11.6 (7)	12.5 (5)	12.7 (2)	13.5 (2)	13.6 (1)
Streams	3.5 (1200)	7.1 (879)	9.7 (614)	11.5 (343)	13.5 (124)	13.7 (43)	14.5 (22)	16.8 (4)	17.4 (1)		
All Waters	3.6 (2015)	7.3 (1652)	9.6 (1192)	11.2 (631)	12.8 (211)	13.2 (63)	13.8 (29)	14.4 (9)	14.2 (3)	13.5 (2)	13.6 (1)
Kokanee, <u>Oncorhynchus nerka</u>											
Lakes	4.3 (124)	9.8 (93)	12.1 (46)	15.1 (20)	18.4 (3)						
Coho Salmon, <u>Oncorhynchus kisutch</u>											
Lakes	4.8 (140)	9.8 (123)	9.9 (28)	11.2 (24)	10.9 (3)						
Golden Trout, <u>Salmo aquabonita</u>											
Lakes	4.7 (25)	8.4 (24)	11.4 (13)	13.2 (6)							
Cutthroat Trout, <u>Salmo clarki</u>											
Lakes	3.0 (2128)	6.4 (2012)	9.5 (1445)	12.1 (584)	13.7 (109)	14.1 (18)	14.5 (1)				
Streams	2.9 (2323)	5.2 (1560)	7.8 (568)	11.0 (135)	13.0 (25)	11.9 (2)					
All Waters	2.9 (4451)	5.9 (3581)	9.0 (2013)	11.9 (719)	13.6 (134)	13.9 (20)	14.5 (1)				

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
Rainbow Trout, <u>Salmo gairdneri</u>											
Lakes	3.5 (2814)	8.2 (2587)	12.8 (1920)	16.1 (951)	18.4 (329)	19.9 (47)	21.6 (5)				
Ponds	4.2 (215)	8.6 (132)	13.0 (71)	18.4 (11)	20.8 (4)	21.6 (1)					
Streams	3.3 (4751)	6.7 (2828)	9.9 (1117)	12.7 (327)	14.3 (45)	15.2 (7)					
All Waters	3.4 (7780)	7.4 (5547)	11.8 (3108)	15.2 (1289)	17.9 (378)	19.3 (55)	21.6 (5)				
Rainbow & Cutthroat Trout Hybrids											
Lakes	3.3 (38)	7.9 (38)	9.5 (16)	10.6 (11)	10.7 (2)						
Streams	3.1 (468)	6.2 (293)	9.5 (149)	12.6 (46)	13.7 (16)	18.1 (1)					
All Waters	3.1 (493)	6.4 (327)	9.5 (165)	12.2 (57)	13.4 (18)	18.1 (1)					
Brown Trout, <u>Salmo trutta</u>											
Lakes	3.5 (749)	8.8 (723)	13.1 (582)	15.7 (289)	17.6 (59)	19.6 (14)	22.9 (3)	24.0 (1)			
Streams	3.6 (3702)	8.6 (2146)	11.4 (1140)	14.4 (357)	16.8 (72)	19.2 (16)	22.1 (3)				
All Waters	3.6 (4451)	8.7 (2869)	12.0 (1722)	15.0 (646)	17.2 (131)	19.4 (30)	21.9 (6)	24.0 (1)			
Brook Trout, <u>Salvelinus fontinalis</u>											
Lakes	3.3 (2007)	6.2 (1588)	8.3 (857)	10.2 (177)	15.0 (12)	15.1 (2)	17.4 (1)				
Streams	3.3 (2501)	5.7 (1153)	8.3 (220)	10.7 (23)	16.0 (4)						
All Waters	3.3 (4508)	6.0 (2741)	8.3 (1077)	10.3 (200)	15.2 (16)	15.1 (2)	17.4 (1)				
Dolly Varden, <u>Salvelinus malma</u>											
Lakes	2.8 (650)	5.6 (650)	8.6 (593)	12.3 (411)	16.0 (210)	21.1 (68)	24.6 (13)	24.9 (2)			
Streams	3.2 (360)	5.7 (234)	8.8 (112)	13.1 (16)	15.8 (3)	14.4 (1)	16.7 (1)				

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
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Dolly Varden, Salvelinus malma cont.

All Waters	2.9 (1010)	5.6 (884)	8.6 (705)	12.3 (427)	16.0 (213)	21.0 (69)	24.0 (14)	24.9 (2)			
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Lake Trout, Salvelinus namaycush

Lakes	2.8 (32)	5.8 (32)	9.8 (29)	14.3 (22)	20.0 (19)	24.9 (18)	29.4 (17)	31.5 (15)	31.8 (4)		
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Artic Grayling, Thymallus arcticus

Lakes	3.8 (108)	8.7 (85)	11.2 (46)	11.9 (8)	12.7 (3)	13.9 (1)					
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Streams	5.3 (26)	10.3 (26)	13.1 (23)	13.7 (10)	14.2 (1)						
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All Waters	4.1 (134)	9.1 (111)	12.4 (69)	12.9 (18)	13.1 (4)	13.9 (1)					
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Goldeye, Hiodon alosoides

Lakes	4.6 (324)	8.8 (323)	11.2 (289)	12.3 (147)	13.3 (46)	14.1 (8)					
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Streams	3.3 (17)	6.9 (17)	9.7 (17)	10.9 (16)	11.5 (12)	12.2 (1)					
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All Waters	4.5 (341)	8.7 (340)	11.1 (306)	12.2 (163)	12.9 (58)	13.9 (9)					
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Northern Pike, Esox lucius

Lakes	11.1 (41)	16.2 (31)	19.2 (24)	27.0 (1)	27.0 (1)						
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Utah Chub, Gila atraria

Lakes	1.6 (475)	3.5 (437)	6.1 (435)	8.2 (382)	9.7 (329)	10.9 (227)	12.4 (38)	13.6 (4)			
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Peamouth, Mylocheilus caurinus

Lakes	2.6 (300)	4.6 (300)	6.7 (294)	8.3 (200)	9.6 (176)	10.6 (125)	11.5 (71)	12.6 (12)	13.5 (1)		
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Streams	2.4 (36)	4.6 (22)	6.1 (6)	8.4 (3)							
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All Waters	2.6 (336)	4.6 (322)	6.7 (300)	8.3 (203)	9.6 (176)	10.6 (125)	11.5 (71)	12.6 (12)	13.5 (1)		
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	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
Northern Squawfish, <u>Ptychocheilus oregonensis</u>											
Lakes	2.1 (284)	3.3 (284)	4.6 (284)	5.9 (284)	7.2 (275)	8.4 (242)	9.6 (187)	10.5 (113)	11.5 (73)	12.3 (38)	13.4 (16)
											XII 14.4 (9)
Streams	1.8 (112)	3.5 (86)	5.2 (59)	7.2 (27)	9.0 (21)	10.6 (18)	12.2 (14)	12.8 (5)	14.7 (3)	16.1 (3)	17.4 (1)
											XII 18.4 (1)
All Waters	2.0 (396)	3.4 (370)	4.7 (343)	6.0 (311)	7.4 (296)	8.6 (260)	9.8 (201)	10.6 (118)	11.6 (76)	12.6 (41)	13.6 (17)
											XII 14.8 (10)

Longnose Sucker, <u>Catostomus catostomus</u>											
Lakes	1.7 (136)	4.3 (136)	5.7 (122)	9.6 (90)	11.7 (45)	14.0 (25)	15.8 (12)	17.1 (5)			
Streams	1.6 (152)	3.9 (107)	7.1 (84)	9.9 (60)	11.9 (27)	13.9 (11)	13.8 (4)	14.6 (1)			
All Waters	1.7 (288)	4.2 (243)	6.3 (206)	9.7 (150)	11.8 (72)	14.0 (36)	15.2 (16)	16.7 (6)			

White Sucker, <u>Catostomus commersoni</u>											
Lakes	2.1 (282)	5.8 (243)	9.0 (193)	11.6 (154)	12.9 (72)	14.9 (14)	15.4 (8)	16.4 (4)	17.1 (1)		
Streams	2.1 (88)	6.1 (49)	8.8 (31)	10.6 (17)	11.3 (5)	11.6 (1)					
All Waters	2.1 (370)	5.8 (292)	9.0 (224)	11.5 (171)	12.8 (77)	14.7 (15)	15.4 (8)	16.4 (4)	17.1 (1)		

Largescale Sucker, <u>Catostomus macrocheilus</u>											
Lakes	1.8 (205)	3.3 (145)	5.4 (93)	7.4 (73)	10.3 (68)	12.9 (44)	15.7 (37)	16.8 (12)			

Northern Redhorse, <u>Moxostoma macrolepidotum</u>											
Streams	1.4 (15)	3.7 (15)	6.1 (10)	9.1 (5)	11.0 (2)	13.1 (1)	14.5 (1)				

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
Pumpkinseed, <u>Lepomis gibbosus</u>											
Lakes	1.1 (73)	2.1 (73)	3.1 (73)	3.6 (60)	4.4 (41)	4.5 (28)	4.3 (19)	7.3 (1)	7.7 (1)		
<u>Lepomis macrochirus</u>											
Lakes	1.4 (201)	2.6 (166)	3.9 (137)	4.8 (122)	5.7 (91)	6.3 (43)	6.9 (10)	7.6 (2)			
Largemouth Bass, <u>Micropterus salmoides</u>											
Lakes	2.2 (449)	5.1 (416)	7.5 (320)	9.3 (260)	10.7 (185)	12.6 (84)	14.1 (63)	14.9 (44)	15.1 (15)	15.6 (6)	17.9 (1)
Black Crappie, <u>Pomoxis nigromaculatus</u>											
Lakes	3.3 (139)	5.3 (135)	6.7 (133)	7.8 (122)	8.4 (60)	8.3 (20)	8.1 (4)				
Streams	2.2 (24)	4.6 (22)	6.5 (20)	8.7 (5)	8.6 (2)						
All Waters	3.1 (163)	5.2 (157)	6.6 (153)	7.8 (127)	8.4 (62)	8.3 (20)	8.1 (4)				
Yellow Perch, <u>Perca flavescens</u>											
Lakes	1.8 (1270)	3.9 (1232)	5.5 (962)	6.7 (690)	7.4 (468)	7.6 (235)	8.0 (76)	9.3 (20)	11.5 (3)		
Streams	2.3 (38)	4.2 (27)	5.5 (9)	7.2 (2)	8.4 (1)	9.2 (1)					
All Waters	1.8 (1308)	3.9 (1259)	5.5 (971)	6.7 (692)	7.4 (469)	7.6 (236)	8.0 (76)	9.3 (20)	11.5 (3)		
Sauger, <u>Stizostedion canadense</u>											
Lakes	4.9 (258)	9.2 (253)	11.2 (227)	14.8 (165)	15.6 (76)	19.3 (24)	20.5 (4)				
Streams	4.5 (21)	8.3 (20)	11.4 (17)	13.3 (10)	15.1 (2)	18.3 (1)					
All Waters	4.9 (279)	9.1 (273)	11.2 (244)	14.7 (175)	15.6 (78)	19.3 (25)	20.5 (4)				
Walleye, <u>Stizostedion vitreum</u>											
Lakes	4.6 (220)	9.0 (214)	12.9 (110)	15.7 (87)	18.3 (23)	20.8 (12)	21.9 (4)				

	I	II	III	IV	V	VI	VII	VIII	IX	X	XI
Streams	5.1 (16)	11.8 (9)	16.9 (4)	22.1 (2)	2.42 (2)						
All Waters	4.6 (236)	9.2 (223)	13.0 (114)	15.9 (89)	18.8 (25)	20.8 (12)	21.9 (4)				

TABLE III. Major drainage divisions with IBM code numbers.
(Four digits or more follow the drainage number.)

- 1- Beaverhead
- 2- Big Hole
- 3- Bitterroot
- 4- Blackfoot
- 5- Clark Fork (Below Bitterroot River)
- 6- Clark Fork (Above Bitterroot River)
- 7- Flathead (Below South Fork of Flathead River)
- 8- Flathead (Above and Incl. South Fork of Flathead River)
- 9- Gallatin
- 10- Jefferson
- 11- Kootenai
- 12- Little Missouri
- 13- Madison
- 14- Marias
- 15- Milk
- 16- Missouri (Below Marias River)
- 17- Missouri (Above Marias River)
- 18- Musselshell
- 19- St. Mary's
- 20- Sun
- 21- Yellowstone (Below Big Horn River)
- 22- Yellowstone (Above and Incl. Big Horn River)

BIBLIOGRAPHY

Alvord, William

- 1953 Validity of age determinations from scales of brown trout, rainbow trout, and brook trout. Trans. Am. Fish. Soc., 83:91-103.

Brown, C. J. D. and Sidney Logan

- 1960 Age and growth of four species of warm water game fish from three Montana ponds. Trans. Am. Fish. Soc., 89:91-103.

Bailey, Jack E.

- 1952 Life history and ecology of the sculpin, Cottus bairdi punctulatus in Southwestern Montana. Copeia, 4:243-255.

Bishop, Cliton G.

- 1955 Age, growth and condition of trout in Prickley Pear Creek, Montana. Trans. Am. Micro. Soc., 74(2):134-145.

Domrose, Robert J.

- 1960 Age and growth of brook trout, Salvelinus fontinalis, in Montana. Unpublished M. S. Thesis, Montana State College, Bozeman, Montana.

Echo, John B.

- 1955 Some ecological relationships between yellow perch and cutthroat trout in Thompson Lake, Montana. Trans. Am. Fish. Soc., 84:239-248.

Graham, Richard J.

- 1961 Biology of the Utah chub in Hebgen Lake, Montana. Trans. Am. Fish. Soc., 90(3):269-276.

Heaton, J. R.

- 1960 Fisheries survey and management recommendations for the Boulder Drainage. Mont. Acad. Sci., 20:20-26.

Hill, Clifford W.

- 1962 Observations on the life histories of the peamouth (Mylocheilus caurinus) and the northern squawfish (Ptychocheilus oregonensis) in Montana. Mont. Acad. Sci., 22:27-44.

Holton, George

- 1953 A trout population study on a small creek in Gallatin County, Montana. Journ. Wildlife Mgt., 17(1):62-82.

Johnson, Howard

- 1961 Observations on the life history and movement of cutthroat trout (Salmo clarki) in the Flathead River Drainage, Montana. Unpublished M. S. Thesis, Montana State College, Bozeman, Montana.

Katherine, Joseph W.

- 1951 Growth rate of four species of fish in a section of the Missouri River between Holter Dam and Cascade, Montana. Trans. Am. Fish. Soc., 80:93-98.

Nelson, Perry H.

1954 Life history and management of the American grayling
(Thymallus signifer tricolor) in Montana. Journ. Wildlife
Mgt. 18(3):324-342

Purkett, Charles Jr.

1951 Growth rate of trout in relation to the elevation and temperature. Trans. Am. Fish. Soc., 80:251-259

Posewitz, James A.

1962 Observations on the fish population of Willow Creek Reservoir, Montana. Mont. Acad. Sci., 21:49-69

Rahrer, Jerold F.

1963 Age and growth of four species of fish, Flathead Lake, Montana. Unpublished M. S. Thesis, Montana State College, Bozeman, Montana

Wipperman, Alfred H.

1963 Changes in the trout population of a small Montana stream. Unpublished M. S. Thesis, Montana State College, Bozeman, Montana

Recommendations:

Collection and analysis of fish scales for age and growth should continue with attention devoted to collecting adequate samples from waters important to fish management. A review should be made and standard methods established for aging collections. Population statistics should be estimated from important age and growth collections.

Prepared by John C. Peters

Approved by George D. Holton

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