

F-73-K-1
through 5

MONTANA FISH, WILDLIFE, AND PARKS
URBAN FISH PONDS FISHERIES INVESTIGATIONS

MADISON/GALLATIN DISTRICT

7/1/94 – 6/31/99

Prepared by: Tim Weiss and Pat Byorth

Date: 6/27/00

Waters Referred To: Glen Lake 09-8070
Bozeman Pond #1 09-8018
(AKA Fish & Game HDQ Pond{s})
Bozeman Pond #2 09-8019
Bozeman Pond #3 09-8020
Three Forks Pond #1 13-8639
Three Forks Pond #2 13-8640
Three Forks Pond #3 13-8641

Key Words: Ponds
Urban Fish Ponds
Rainbow Trout
Yellow Perch
Largemouth Bass
White Sucker
Common Carp
Bluegill
Golden Shiner
Illegal Introduction
Urban "Put & Take" Fishery

URBAN FISH POND FISH PLANTS 1994 -1999

GLEN LAKE

<u>YEAR</u>	<u>SPP</u>	<u>NUMBER</u>
1994	None	0
1995	None	0
1996	Rb	2748
	Yct	100
1997	Rb	3115
1998	Rb	3500
1999	Rb	2000

BOZEMAN POND

<u>YEAR</u>	<u>SPP</u>	<u>NUMBER</u>
1994*	Rb(1)	175
	Rb(2)	3414
	None(3)	0
1995*	None(1)	0
	Rb(2)	1200
	None(3)	0
1996**		
1997**		
1998	Rb	3767
1999	Rb	1000

THREE FORKS PONDS

<u>POND #1</u>			<u>POND #2</u>			<u>POND #3</u>		
<u>YEAR</u>	<u>SPP</u>	<u>NUMBER</u>	<u>YEAR</u>	<u>SPP</u>	<u>NUMBER</u>	<u>YEAR</u>	<u>SPP</u>	<u>NUMBER</u>
1994	None	0	1994	None	0	1994	None	0
1995	None	0	1995	None	0	1995	None	0
1996	None	0	1996	None	0	1996	None	0
1997	None	0	1997	Rb	2810	1997	None	0
1998	None	0	1998	Rb	4000	1998	None	0
1999	LMB	1500	1999	LMB	1000	1999	LMB	500

* 1994 & 1995 Bozeman Ponds were three separate bodies of water. For these years, the plants are listed in order of ponds one, two, and three. In 1996 excavation converted the three ponds to one contiguous body of water.

** 1996 & 1997 Bozeman Pond was left fallow.

GLEN LAKE

Glen Lake is a spring fed gravel borrow pit owned by Fish, Wildlife, and Parks, managed by the City of Bozeman. This pond has a ditch outlet which feeds the East Gallatin River near Manley Bridge, on the north edge of Bozeman, MT. The fisheries management objective is to provide a "put & take" fishery for urban anglers. The game fish community consists of largemouth bass and yellow perch, both of which are self-sustaining, and annually stocked rainbow trout. Occasional large brown trout are reported by anglers, although survey failed to yield any specimens. White suckers are also abundant

Management and Monitoring

During June of 1998, night electrofishing was conducted to determine fish community composition and survival of stocked rainbow trout. Approximately two hours of electrofishing yielded the following results:

Rainbow trout – n=3, r=10.8-11.6", all had hatchery fin erosion

Yellow perch – n=2, both 6.6", scales taken for age analysis (Table 1)

Largemouth bass – n=6, r=4.6-16.7", avg.=8.3", scales taken for age analysis (Table 1)

White sucker – n=7, r=7.0-13.1", avg.=10.1"

Table 1.

GLEN LAKE LARGEMOUTH BASS & YELLOW PERCH SCALE AGE ANALYSIS*

LARGEMOUTH BASS

LENGTH	AGE
4.6	1
4.6	1
4.7	1
5.2	1
13.8	6
16.8	7-8

YELLOW PERCH

LENGTH	AGE
6.6	2
6.6	2

* Fish were collected late in June.

The rainbows sampled were likely products of 1997's plant of 3110 age 1+ fish. These ranged from 7.7-9.4" when planted. An FWP employee reported catches of rb similar to specimens sampled, with one harvested at 17". Although it is unknown how many bass reach desirable size, they provide warm water species opportunity with the possibility to catch good sized specimens (the largest sampled weighed 2.9 lbs.).

Recommendations

1. Continue to provide urban rainbow trout fishery by annually stocking prescribed numbers of age 1+ rb's.
2. Periodically monitor pond fishery by electrofishing to assess fish community composition, size and age structure.

BOZEMAN POND

Bozeman Pond(AKA Fish & Game HDQ Pond{s}) is a spring fed gravel borrow pit owned by Fish, Wildlife, and Parks, managed by the City of Bozeman. This pond is drained by Bozeman Pond Cr., which sporadically drains to Sectionline Ditch. This ditch, in turns, eventually empties into the East Gallatin River. This pond was historically three separate bodies of water. In 1996, draining and subsequent excavation converted these ponds into one body(see accompanying maps and physical characteristics {Hoffman et al, 1996}). The old ponds had a history of stocking of various brood stock and age1+ trout, perch, and illegal introductions of bluegill, carp, and goldfish. After excavation and drainage of the three existing ponds, USFWS and FWP employees applied the fish toxicant rotenone to the remnant pool of undrained water. No dead fish were found. Presumably, the subsequent refill (of the new single pond) happened devoid of any fish presence. The new pond was left fallow until May 1998, when 1000 age 1+ Rb's were planted. In addition, Bluegills were discovered, presumably due to illegal introduction (?), in spring 1999. In may 1999, an FWP employee reported 5-6" bluegill harvested at a youth fishing derby.

No formal fisheries investigations have taken place at Bozeman Pond(s) during this report period with the exception of an MSU graduate class project(December 1996). On this project students performed limnological, physical, and biological surveys and formulated management plans for Bozeman Pond. Although no formal management plan was drafted, the results of these projects were then taken into advisement by FWP fisheries and parks personnel. Also, in summer 1997, FWP personnel performed a pond temperature profile to look at maximum summer temperatures in the new pond(figure 1). Mid summer peak temperatures were 65-70 degree farenheit, well within survivable temperatures for rainbow trout.

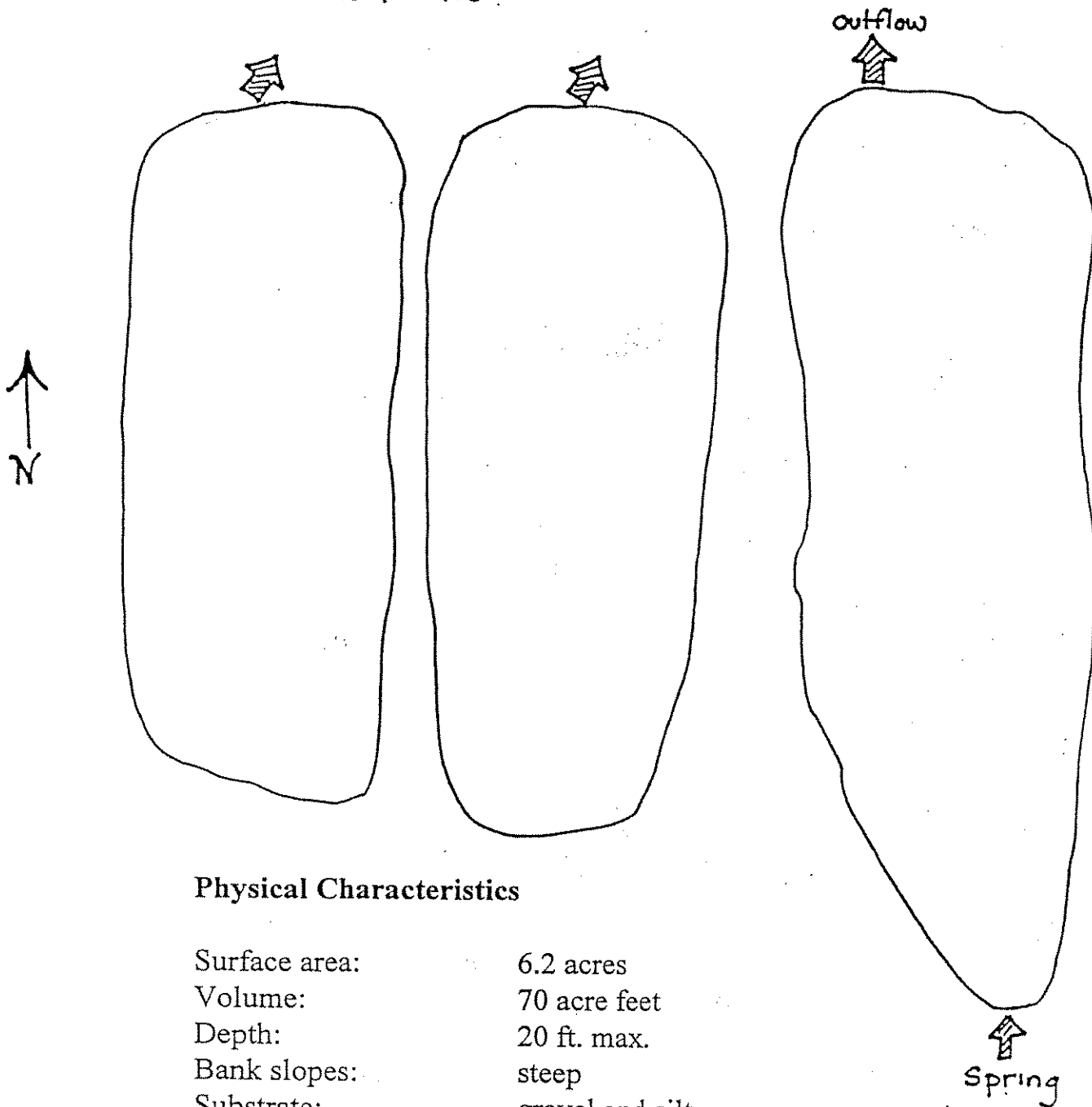
FWP will continue to manage Bozeman Pond as an urban "put and take" fishery. Scheduled plants of rainbow trout will continue. Future periodic monitoring, via gillnet or trap, will assess fish community composition, size and age structure, further illegal new species introduction.

Literature Cited

Hoffman, Nancy, et al. 1996. Proposed Management Plan For Bozeman Pond. MSU Biol Dept.(Unpublished report).

Bozeman Ponds Prior to 1996

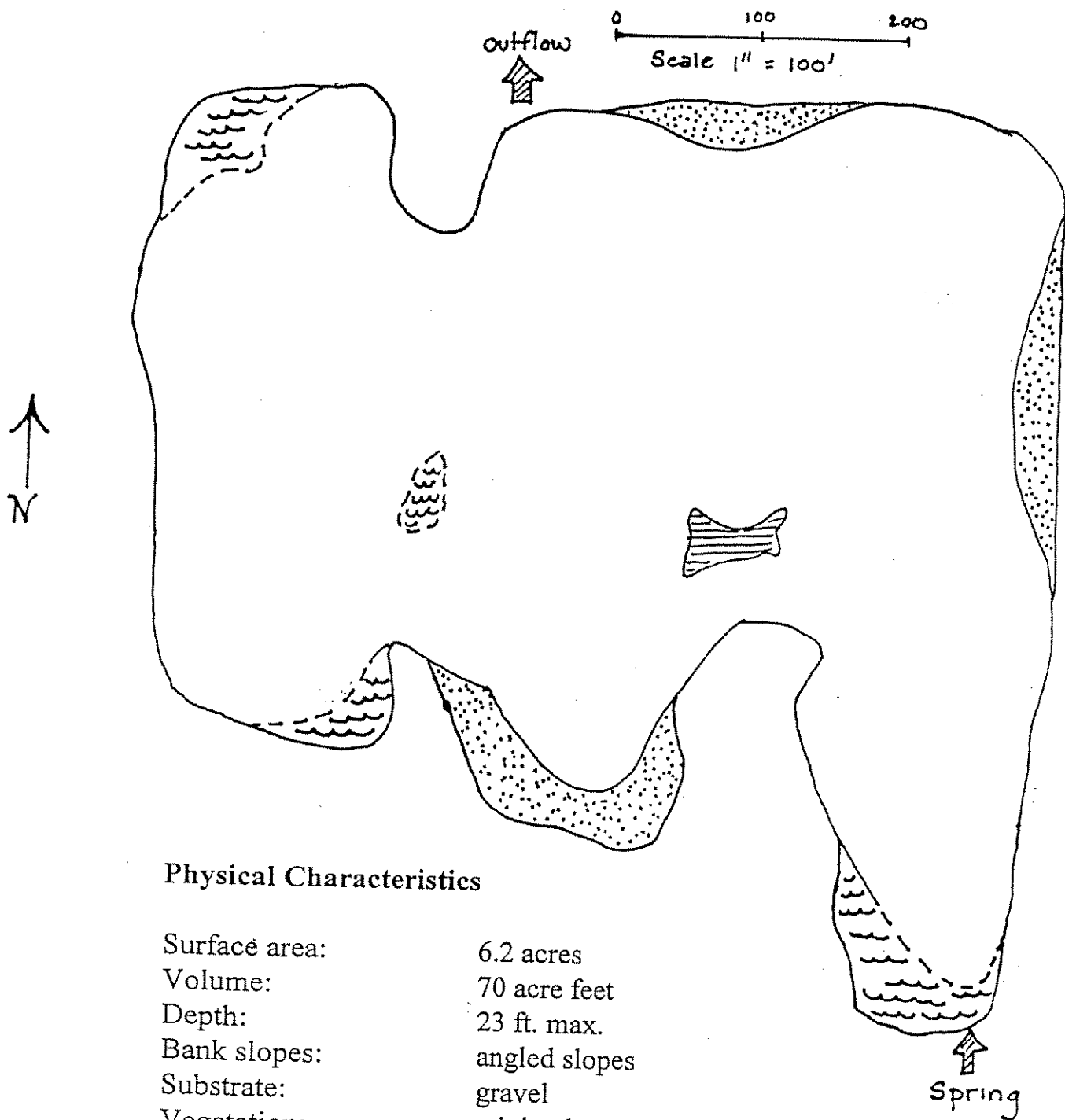
0 100 200
Scale 1" = 100'



Physical Characteristics

Surface area:	6.2 acres
Volume:	70 acre feet
Depth:	20 ft. max.
Bank slopes:	steep
Substrate:	gravel and silt
Vegetation:	abundant
Outflow discharge:	200 gallons/min. (fall 1983)
Temperature:	unknown
Dissolved oxygen:	unknown

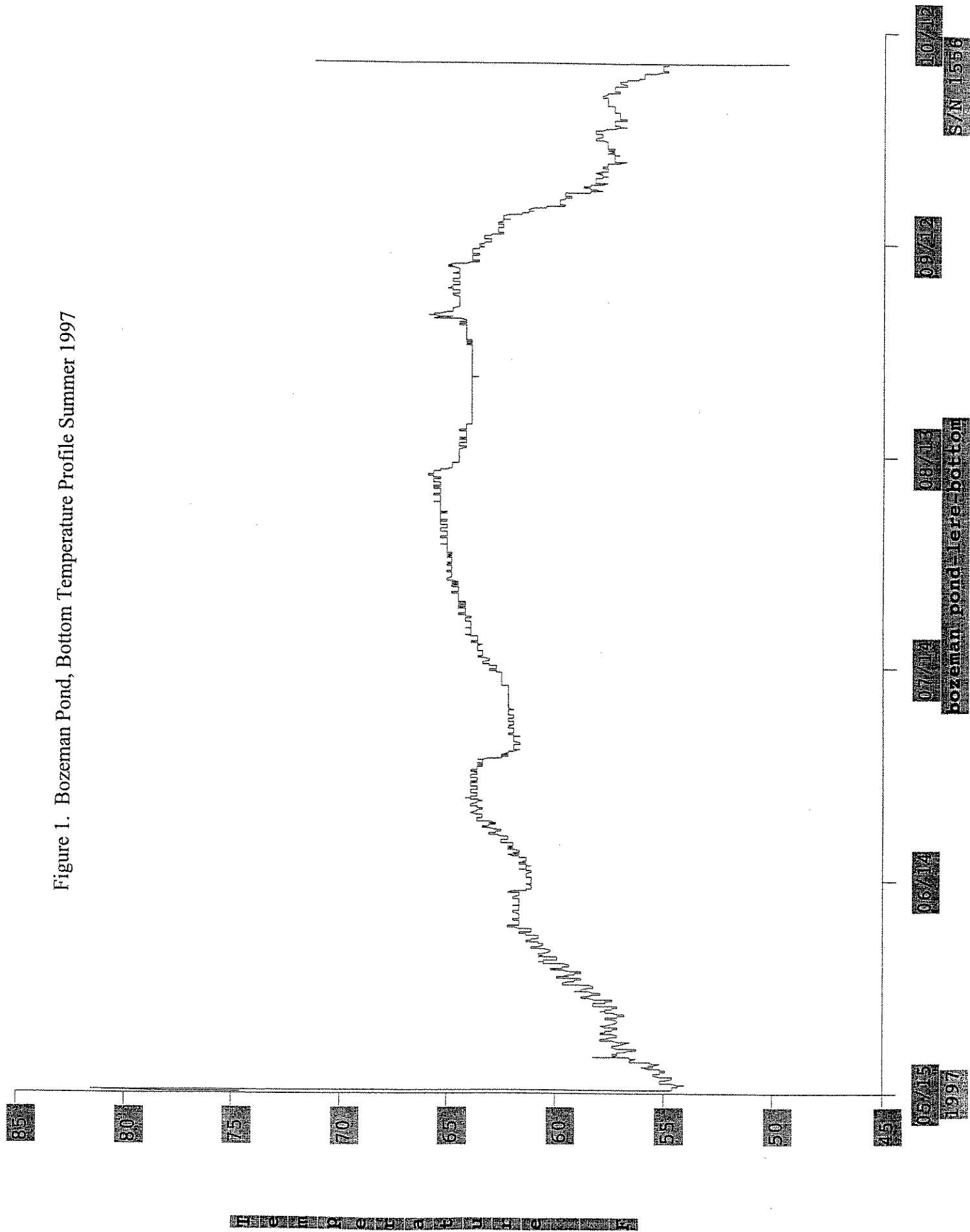
Bozeman Pond 1996



Physical Characteristics

Surface area:	6.2 acres
Volume:	70 acre feet
Depth:	23 ft. max.
Bank slopes:	angled slopes
Substrate:	gravel
Vegetation:	minimal
Outflow discharge:	94 gallons/min. (10/16/96)
Temperature:	55.4 to 57.2°F (10/11/96); 52°F (10/16/96)
Dissolved oxygen:	ave. 8.25 ppm (10/16/96)

Figure 1. Bozeman Pond, Bottom Temperature Profile Summer 1997



Montana Fish Wildlife and Parks

Fish Planting Report

Query:

Start Date: 01/01/1990 End Date: 06/30/2099

Water Codes: 098018

Date	Water	Species	Strn	Number	Length	Weight	Marks	Tmp	R	County	Location
04/20/93	FISH & GAME HDQ POND #1	RAINBOW TROUT	S	40	22.0	160.00		48	3	GALLATIN	02S05E00
04/20/93	FISH & GAME HDQ POND #1	RAINBOW TROUT	S	35	26.0	245.00		48	3	GALLATIN	02S05E00
04/20/93	FISH & GAME HDQ POND #1	RAINBOW TROUT	I	40	18.0	96.00		48	3	GALLATIN	02S05E00
04/20/93	FISH & GAME HDQ POND #1	RAINBOW TROUT	M	35	24.0	182.00		48	3	GALLATIN	02S05E00
05/26/93	FISH & GAME HDQ POND #1	RAINBOW TROUT	K	30	18.0	75.00		3		GALLATIN	02S05E00
05/26/93	FISH & GAME HDQ POND #1	RAINBOW TROUT	M	35	18.0	88.00		3		GALLATIN	02S05E00
05/26/93	FISH & GAME HDQ POND #1	RAINBOW TROUT	S	60	23.0	276.00		3		GALLATIN	02S05E00
05/26/93	FISH & GAME HDQ POND #1	RAINBOW TROUT	S	25	27.0	188.00		3		GALLATIN	02S05E00
04/20/94	FISH & GAME HDQ POND #1	RAINBOW TROUT	I	17	19.0	48.00		55	3	GALLATIN	02S05E00
05/24/94	FISH & GAME HDQ POND #1	RAINBOW TROUT	K	40	19.0	108.00		3		GALLATIN	02S05E00
05/24/94	FISH & GAME HDQ POND #1	RAINBOW TROUT	M	50	18.0	107.00		3		GALLATIN	02S05E00
05/24/94	FISH & GAME HDQ POND #1	RAINBOW TROUT	T	8	28.0	71.00		3		GALLATIN	02S05E00
05/24/94	FISH & GAME HDQ POND #1	RAINBOW TROUT	K	60	11.0	36.00		3		GALLATIN	02S05E00
05/07/98	FISH & GAME HDQ POND #1	RAINBOW TROUT	T	1000	6.0	86.00		65	3	GALLATIN	02S05E11
06/03/98	FISH & GAME HDQ POND #1	RAINBOW TROUT	T	1000	6.9	135.00		60	3	GALLATIN	02S05E11
09/03/98	FISH & GAME HDQ POND #1	RAINBOW TROUT	T	1178	9.3	380.00		72	3	GALLATIN	02S05E11
09/03/98	FISH & GAME HDQ POND #1	RAINBOW TROUT	T	589	9.3	190.00		72	3	GALLATIN	02S05E11
05/18/99	FISH & GAME HDQ POND #1	RAINBOW TROUT	T	1000	5.6	73.00		60	3	GALLATIN	02S05E11

Report Total: 5242 2544.00

Cold Water Summaries: Fry(0-2") Fingerling(2-8") Catchables(8"+) Total Fish Weight Distribution Cost

RAINBOW TROUT : 0 3000 2242 5242 2544 359.48

Montana Fish Wildlife and Parks

Fish Planting Report

Query:

Start Date: 01/01/1990 End Date: 06/30/2099

Water Codes: 098019

Date	Water	Species	Strn	Number	Length	Weight	Marks	Trmp	R	County	Location
06/08/90	FISH & GAME HDQ POND #2	RAINBOW TROUT	A	1819	11.1	997.00		3		GALLATIN	02S05E00
07/18/90	FISH & GAME HDQ POND #2	BROOK TROUT		3380	3.2	44.30		3		GALLATIN	02S05E00
04/16/92	FISH & GAME HDQ POND #2	RAINBOW TROUT	F	50	0.0	225.00		3		GALLATIN	02S05E00
04/16/92	FISH & GAME HDQ POND #2	RAINBOW TROUT	F	65	0.0	423.00		3		GALLATIN	02S05E00
06/05/92	FISH & GAME HDQ POND #2	RAINBOW TROUT	T	2009	8.9	574.00		3		GALLATIN	02S05E00
06/05/92	FISH & GAME HDQ POND #2	RAINBOW TROUT	A	335	14.8	558.00		3		GALLATIN	02S05E00
06/05/92	FISH & GAME HDQ POND #2	RAINBOW TROUT	T	329	23.1	1645.00		3		GALLATIN	02S05E00
06/05/92	FISH & GAME HDQ POND #2	RAINBOW TROUT	T	1506	10.9	800.00		3		GALLATIN	02S05E00
04/20/93	FISH & GAME HDQ POND #2	RAINBOW TROUT	S	40	26.0	280.00		48	3	GALLATIN	02S05E00
04/20/93	FISH & GAME HDQ POND #2	RAINBOW TROUT	S	35	22.0	140.00		48	3	GALLATIN	02S05E00
04/20/93	FISH & GAME HDQ POND #2	RAINBOW TROUT	M	75	18.0	165.00		48	3	GALLATIN	02S05E00
05/26/93	FISH & GAME HDQ POND #2	RAINBOW TROUT	s	25	27.0	188.00		3		GALLATIN	02S05E00
05/26/93	FISH & GAME HDQ POND #2	RAINBOW TROUT	S	160	23.0	276.00		3		GALLATIN	02S05E00
05/26/93	FISH & GAME HDQ POND #2	RAINBOW TROUT	K	30	18.0	75.00		3		GALLATIN	02S05E00
05/26/93	FISH & GAME HDQ POND #2	RAINBOW TROUT	M	35	18.0	88.00		3		GALLATIN	02S05E00
06/11/93	FISH & GAME HDQ POND #2	RAINBOW TROUT	A	2000	10.9	1064.00		3		GALLATIN	02S05E00
06/11/93	FISH & GAME HDQ POND #2	RAINBOW TROUT	A	180	21.2	692.00		3		GALLATIN	02S05E00
07/08/93	FISH & GAME HDQ POND #2	RAINBOW TROUT	A	10000	2.7	79.40		3		GALLATIN	02S05E00
04/20/94	FISH & GAME HDQ POND #2	RAINBOW TROUT	K	83	22.0	332.00		55	3	GALLATIN	02S05E00
04/20/94	FISH & GAME HDQ POND #2	RAINBOW TROUT	A	17	25.0	102.00		55	3	GALLATIN	02S05E00
04/20/94	FISH & GAME HDQ POND #2	RAINBOW TROUT	K	17	22.0	68.00		55	3	GALLATIN	02S05E00
04/20/94	FISH & GAME HDQ POND #2	RAINBOW TROUT	I	83	19.0	232.00		55	3	GALLATIN	02S05E00
04/20/94	FISH & GAME HDQ POND #2	RAINBOW TROUT	A	83	25.0	498.00		55	3	GALLATIN	02S05E00
05/24/94	FISH & GAME HDQ POND #2	RAINBOW TROUT	M	50	18.0	107.00		3		GALLATIN	02S05E00
05/24/94	FISH & GAME HDQ POND #2	RAINBOW TROUT	K	60	11.0	36.00		3		GALLATIN	02S05E00
05/24/94	FISH & GAME HDQ POND #2	RAINBOW TROUT	K	40	19.0	108.00		3		GALLATIN	02S05E00
05/24/94	FISH & GAME HDQ POND #2	RAINBOW TROUT	T	8	28.0	71.00		3		GALLATIN	02S05E00
06/10/94	FISH & GAME HDQ POND #2	RAINBOW TROUT	A	1740	11.9	1200.00		3		GALLATIN	02S05E11
06/10/94	FISH & GAME HDQ POND #2	RAINBOW TROUT	T	550	13.1	505.00		3		GALLATIN	02S05E11
06/10/94	FISH & GAME HDQ POND #2	RAINBOW TROUT		280	17.1	570.00		3		GALLATIN	02S05E11
06/09/95	FISH & GAME HDQ POND #2	RAINBOW TROUT	A	1100	13.0	980.00		3		GALLATIN	02S05E11
06/09/95	FISH & GAME HDQ POND #2	RAINBOW TROUT	A	100	23.0	500.00		3		GALLATIN	02S05E11

Report Total: 26284 13622.70

Montana Fish Wildlife and Parks

Fish Planting Report

Cold Water Summaries:	Fry(0-2")	Fingerling(2-8")	Catchables(8"+)	Total Fish	Weight	Distribution Cost
BROOK TROUT :	0	3380	0	3380	44	0.00
RAINBOW TROUT :	115	10000	12789	22904	13578	0.00

Montana Fish Wildlife and Parks

Fish Planting Report

Query:

Start Date: 01/01/1990 End Date: 06/30/2099

Water Codes: 098020

Date	Water	Species	Strn	Number	Length	Weight	Marks	Tmp R	County	Location
06/08/90	FISH & GAME HDQ POND #3	RAINBOW TROUT	A	1820	11.1	997.00			3 GALLATIN	02S05E00
04/16/92	FISH & GAME HDQ POND #3	RAINBOW TROUT	F	50	0.0	225.00			3 GALLATIN	02S05E00
04/16/92	FISH & GAME HDQ POND #3	RAINBOW TROUT	F	65	0.0	423.00			3 GALLATIN	02S05E00
Report Total:				1935		1645.00				

Cold Water Summaries:	Fry(0-2")	Fingerling(2-8")	Catchables(8"+)	Total Fish	Weight	Distribution Cost
RAINBOW TROUT :	115	0	1820	1935	1645	0.00

THREE FORKS PONDS

Three Forks Ponds are three groundwater fed, closed basin gravel borrow pits owned by Fish, Wildlife, and Parks and managed in conjunction with the City of Three Forks. The fisheries management objective is to provide viable fisheries with some emphasis to youth, elderly, and handicapped anglers. The fish community in each pond is dominated by different species, but most species are common to each pond. Common carp, bluegill, largemouth bass, and yellow perch, are self sustaining sport fish in each pond. Golden shiners are found only in the east pond. Annual rainbow trout stocking in the middle pond ceased in 1999.

Management and Monitoring

Fall 1998

During Fall 1998, sampling was conducted to determine fish community composition and survival of stocked rainbow. One night of electrofishing was done in the East and Middle Ponds. One net-night with experimental gill nets was conducted on each pond as well. A total of 4,000 7 to 8 inch Erwin strain rainbow trout were stocked in the middle pond, half each in May and August.

Middle Pond: This pond sustains the majority of fishing. Sampling indicated extremely high densities of stunted bluegill present. One net night resulted in capturing 8 bluegill ranging in size from 3.8 to 5.2 inches long. Two hours of electrofishing yielded 301 bluegill 3.7 to 6.5 inches long. The high density of stunted bluegill provide an unsatisfactory fishery which probably impacts other species through forage competition. Gill netting captured 3 rainbow trout 9.7 to 10.3 inches long, while two hours of electrofishing resulted in a catch of and 27 rainbow trout 8.1 to 10.9 inches long. Rainbow trout growth averaged less than two inches and condition appeared poor. Largemouth bass provide a small number of dedicated anglers a rare fishing opportunity in southwestern Montana. Electrofishing yielded 27 largemouth bass ranging from 2.1 to 16.1 inches long averaging 8.3 inches. Scale samples were taken and age analysis will be conducted. Other species captured included 2 common carp (11.5 and 14.5 inches) and 8 yellow perch (3.7 to 4.5 inches).

West Pond: This pond is dominated by common carp based on visual surveys. Bluegill were also observed. Water quality appears to be poorest in this pond due to high turbidity due to carp foraging and proximity to golf course turf. Great potential exists for a sport fishery for carp, via sight fishing with flies, bait fishing, snagging, or bow fishing. One net night with an experimental gill net was not successful.

East Pond: Electrofishing was used to characterize this pond. Electrofishing was limited due to a malfunction but the following were captured: 11 yellow perch (2.3 to 3.3 inches), 23 golden shiners (5.3 to 7.0 inches), 1 common carp (10.2 inches), 22 largemouth bass (3.1 to 10.8 inches), 13 white suckers (4.1 to 11.5 inches), and 36 bluegill (2.0 to 6.4 inches). Numerous large common carp had been observed, but were not captured. Potential exists to improve bass size structure and develop a carp fishery.

1999

In May of 1999, a one night bluegill removal project took place on the middle pond. Using electrofishing gear, FWP personnel removed 1321 bluegills. Judging from the large number of individuals observed but not captured, this method was marginally effective. 100 bluegills were measured and ranged from 3.6 to 5.6 inches. During this effort, the following other species were captured and released: 26 rainbow trout (8.1 to 10.9 inches), 96 largemouth bass (2.2 to 17.9 inches, averaging 9.2 inches), and 16 yellow perch (3.0 to 4.8 inches).

Young-of-the-year largemouth bass were planted in all three ponds in September of 1999. The west, middle, and east ponds received 500, 1000, and 1500 each, respectively.

Action Plan

1. Analyze fish community composition, size, and age structure in each pond using trapping, electrofishing, and scale samples.
2. Analyze water quality including temperature, dissolved oxygen, and turbidity in cooperation with Three Forks High School Students. (Still in planning phase). Assess use of fertilizers and herbicides on adjacent golf course (property owned by FWP).
3. Reduce bluegill densities on middle ponds with one or more of the following options: a) continued removal, 2) increase predation by existing largemouth population supplemented by stocking with additional largemouth , or 3)introducing burbot, a piscivore).
4. Encourage development of carp fishery on East and West ponds.

Montana Fish Wildlife and Parks

Fish Planting Report

Query: **THREE FORKS EAST POND**

Start Date: 01/01/1990 End Date: 06/30/2099

Water Codes: 138639

Date	Water	Species	Strn	Number	Length	Weight	Marks	Tmp R	County	Location
09/02/99	THREE FORKS POND	LARGEMOUTH BASS	M	1500	2.5	11.50		0 3	GALLATIN	02N02E30B

Report Total: 1500 11.50

Warm Water Summaries: Fry(0-1") Fingerling(1-3") SubCatchables+(3"+) Total Fish Weight Distribution Cost

LARGEMOUTH BASS :	0	1500	0	1500	11.50	82.30
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Fish Planting Report

THREE FORKS MIDDLE POND

Query:

Start Date: 01/01/1990 End Date: 06/30/2099

Water Codes: 138640

Date	Water	Species	Strn	Number	Length	Weight	Marks	Tmp	R	County	Location
05/16/91	THREE FORKS POND	RAINBOW TROUT	A	50	18.0	125.00		59	3	MADISON	02N01E25
05/16/91	THREE FORKS POND	RAINBOW TROUT	A	135	25.0	844.00			3	MADISON	02N01E25
04/14/92	THREE FORKS POND	RAINBOW TROUT	F	25	0.0	275.00			3	GALLATIN	02N01E25ADD
04/14/92	THREE FORKS POND	RAINBOW TROUT	F	50	0.0	325.00			3	GALLATIN	02N01E25ADD
04/14/92	THREE FORKS POND	RAINBOW TROUT	F	75	0.0	338.00			3	GALLATIN	02N01E25ADD
04/27/92	THREE FORKS POND	RAINBOW TROUT	F	150	0.0	675.00			3	GALLATIN	02N01E25ADD
10/13/92	THREE FORKS POND	RAINBOW TROUT	T	50	0.0	350.00			3	GALLATIN	02N01E25ADD
10/13/92	THREE FORKS POND	RAINBOW TROUT	T	150	0.0	600.00			3	GALLATIN	02N01E25ADD
04/21/93	THREE FORKS POND	RAINBOW TROUT	S	40	26.0	280.00			51	3 GALLATIN	02N01E25ADD ADD
04/21/93	THREE FORKS POND	RAINBOW TROUT	S	35	22.0	140.00			51	3 GALLATIN	02N01E25ADD ADD
04/21/93	THREE FORKS POND	RAINBOW TROUT	M	75	18.0	165.00			51	3 GALLATIN	02N01E25ADD ADD
05/21/93	THREE FORKS POND	RAINBOW TROUT	K	30	18.0	75.00			64	3 GALLATIN	02N01E25ADD
05/21/93	THREE FORKS POND	RAINBOW TROUT	S	60	23.0	276.00			64	3 GALLATIN	02N01E25ADD
05/21/93	THREE FORKS POND	RAINBOW TROUT	S	25	27.0	188.00			64	3 GALLATIN	02N01E25ADD
05/21/93	THREE FORKS POND	RAINBOW TROUT	M	35	18.0	88.00			64	3 GALLATIN	02N01E25ADD
05/25/93	THREE FORKS POND	RAINBOW TROUT	K	30	18.0	75.00			64	3 GALLATIN	02NOIE25ADC
05/25/93	THREE FORKS POND	RAINBOW TROUT	M	35	18.0	88.00			64	3 GALLATIN	02NOIE25ADC
05/25/93	THREE FORKS POND	RAINBOW TROUT	K	30	18.3	75.00			64	3 GALLATIN	02NOIE25ADD
05/25/93	THREE FORKS POND	RAINBOW TROUT	S	60	23.0	276.00			64	3 GALLATIN	02NOIE25ADC
05/25/93	THREE FORKS POND	RAINBOW TROUT	S	25	27.0	188.00			64	3 GALLATIN	02NOIE25ADC
07/09/93	THREE FORKS POND	RAINBOW TROUT	A	10000	2.7	79.40			3	GALLATIN	02N01E25ADD
07/22/93	THREE FORKS POND	RAINBOW TROUT	T	110	25.0	660.00			67	3 GALLATIN	02N01E25ADD
07/22/93	THREE FORKS POND	RAINBOW TROUT	T	150	21.0	525.00			67	3 GALLATIN	02N01E25ADD
10/14/93	THREE FORKS POND	RAINBOW TROUT	T	300	15.0	435.00			54	3 GALLATIN	02N01E25AD
04/19/94	THREE FORKS POND	RAINBOW TROUT	A	50	25.0	300.00			57	3 GALLATIN	02N01E25AD
04/19/94	THREE FORKS POND	RAINBOW TROUT	K	60	22.0	240.00			57	3 GALLATIN	02N01E25AD
04/19/94	THREE FORKS POND	RAINBOW TROUT	I	25	25.0	150.00			57	3 GALLATIN	02N01E25AD
04/19/94	THREE FORKS POND	RAINBOW TROUT	I	15	19.0	42.00			57	3 GALLATIN	02N01E25AD
04/19/94	THREE FORKS POND	RAINBOW TROUT	A	50	25.0	300.00			57	3 GALLATIN	02N01E25AD
04/19/94	THREE FORKS POND	RAINBOW TROUT	K	60	22.0	240.00			57	3 GALLATIN	02N01E25AD
04/19/94	THREE FORKS POND	RAINBOW TROUT	I	40	19.0	112.00			57	3 GALLATIN	02N01E25AD
06/01/94	THREE FORKS POND	RAINBOW TROUT	K	620	2.0	3.00			58	3 GALLATIN	02N01E25AD
06/01/94	THREE FORKS POND	RAINBOW TROUT	T	12	25.0	78.00			58	3 GALLATIN	02N01E25AD
06/01/94	THREE FORKS POND	RAINBOW TROUT	K	112	12.0	70.00			58	3 GALLATIN	02N01E25AD
06/01/94	THREE FORKS POND	RAINBOW TROUT	M	50	18.0	111.00			58	3 GALLATIN	02N01E25AD
05/28/97	THREE FORKS POND	RAINBOW TROUT	A	2000	8.0	410.00			66	3 GALLATIN	02N01E25ADD

Montana Fish Wildlife and Parks

Fish Planting Report

Date	Water	Species	Strn	Number	Length	Weight	Marks	Tmp R	County	Location
06/19/97	THREE FORKS POND	RAINBOW TROUT	T	810	7.7	150.00		74.3	GALLATIN	02N01E25ADD
05/07/98	THREE FORKS POND	RAINBOW TROUT	T	2000	6.0	172.00		66.3	GALLATIN	02N01E25ADD
06/03/98	THREE FORKS POND	RAINBOW TROUT	T	1000	6.9	135.00		60.3	GALLATIN	02N01E25ADD
09/07/98	THREE FORKS POND	RAINBOW TROUT	T	1000	9.8	384.00		76.3	GALLATIN	02N01E25ADD
09/02/99	THREE FORKS POND	LARGEMOUTH BASS	M	1000	2.5	7.60		0.3	GALLATIN	02N01E25ADD
Report Total:				20629	10050.00					

Cold Water Summaries: Fry(0-2") Fingerling(2-8") Catchables(8"+) Total Fish Weight Distribution Cost

RAINBOW TROUT :	500	14430	4699	19629	10042	418.39
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Warm Water Summaries: Fry(0-1") Fingerling(1-3") SubCatchables+(3"+) Total Fish Weight Distribution Cost

LARGEMOUTH BASS :	0	1000	0	1000	7.60	82.30
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Fish Planting Report

Query:

THREE FORKS WEST POND

Start Date: 01/01/1990 End Date: 06/30/2099

Water Codes: 138641

Date	Water	Species	Strn	Number	Length	Weight	Marks	Tmp	R	County	Location
04/28/92	THREE FORKS POND	RAINBOW TROUT	I	100	0.0	250.00		3		GALLATIN	02N01E25ADC
04/28/92	THREE FORKS POND	RAINBOW TROUT	M	100	0.0	660.00		3		GALLATIN	02N01E25ADC
04/28/92	THREE FORKS POND	RAINBOW TROUT	F	91	0.0	409.00		3		GALLATIN	02N01E25ADC
04/21/93	THREE FORKS POND	RAINBOW TROUT	M	75	18.0	165.00		51	3	GALLATIN	02N01E25ADC ADC
04/21/93	THREE FORKS POND	RAINBOW TROUT	S	40	26.0	280.00		51	3	GALLATIN	02N01E25ADC ADC
04/21/93	THREE FORKS POND	RAINBOW TROUT	S	35	22.0	140.00		51	3	GALLATIN	02N01E25ADC ADC
06/01/94	THREE FORKS POND	RAINBOW TROUT	T	13	25.0	85.00		59	3	GALLATIN	02N01E25AD
06/01/94	THREE FORKS POND	RAINBOW TROUT	K	112	12.0	70.00		59	3	GALLATIN	02N01E25AD
06/01/94	THREE FORKS POND	RAINBOW TROUT	M	50	18.0	111.00		59	3	GALLATIN	02N01E25AD
06/01/94	THREE FORKS POND	RAINBOW TROUT	K	620	2.0	3.00		59	3	GALLATIN	02N01E25AD
09/02/99	THREE FORKS POND	LARGEMOUTH BASS	M	500	2.5	3.80		0	3	GALLATIN	02N01E25ADC

Report Total:			1736	2176.80							
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Cold Water Summaries:	Fry(0-2")	Fingerling(2-8")	Catchables(8"+)	Total Fish	Weight	Distribution Cost
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RAINBOW TROUT :	291	620	325	1236	2173	0.00
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Warm Water Summaries:	Fry(0-1")	Fingerling(1-3")	SubCatchables+(3"+)	Total Fish	Weight	Distribution Cost
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LARGEMOUTH BASS :	0	500	0	500	3.80	82.30
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