FISHERY MANAGEMENT INVESTIGATIONS

FEDERAL AID IN FISH RESTORATIONS
2001 JOB PERFORMANCE REPORT

PROGRAM F-71-R-26

Steven M. Huffaker, Director

REGIONAL FISHERIES MANAGEMENT INVESTIGATIONS
SALMON REGION (Subprojects I-H,II-H, III-H, IV-H)

PROJECT I.	**SURVEYS and INVENTORIES**
Job a.	**Salmon Region Mountain Lakes Investigations**
Job b	**Salmon Region Lowland Lakes Investigations**
Job c.	**Salmon Region Rivers and Streams Investigations**
PROJECT II.	**TECHNICAL GUIDANCE**

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July 2003
IDFG #03-24

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2001 ANNUAL PERFORMANCE REPORT

State Of: Idaho

Program: Fisheries Management F-71-R-26

Project I: Surveys and Inventories

Subproject I-H: Salmon Region

Job: a

Title: Mountain Lakes Investigations

Contract Period: July 1, 2001 to June 30, 2002

ABSTRACT

The Idaho Department of Fish and Game stocked 55 alpine mountain lakes in the Salmon Region via airplane and one by backpack during the summer of 2001. In the Salmon-Challis National Forest, stocking consisted of 2,600 golden trout *Oncorhynchus aguabonita* in six lakes, 2,900 arctic grayling *Thymallus arcticus* in ten lakes, 20,250 westslope cutthroat trout *O. clarki lewisi* in 27 lakes, 2,500 triploid Hayspur rainbow trout *O. myki*ss in four lakes, and 3,100 viable diploid Hayspur rainbow trout in eight lakes. The Sawtooth Wilderness Area was stocked with a total of 1,515 golden trout in two lakes, 1,700 arctic grayling in three lakes, and 890 westslope cutthroat trout in one lake.

Department personnel surveyed a total of 173 mountain lakes in the Sawtooth Wilderness Area and Salmon-Challis National Forests during June, July, and August 2001. We assessed fishery status visually and/or by angling. We also assessed lake use, natural recruitment potential, and past stocking efforts. At 156 lakes (90%) of the public use areas we surveyed were in good condition. We determined that fish stocking should be discontinued in 31 of the 86 previously stocked lakes (36%) due to a lack of appropriate habitat or because naturally reproducing fish populations were present. However, 92 of the 148 lakes (62%) we surveyed showed no potential for natural recruitment or showed heavy angling use and should remain on the stocking list. Ninety-three of 168 (55%) of the lakes surveyed were fishless and should remain so to provide refugia for native fauna. Twenty-four out of 96 (25%) lakes with fish had naturally reproducing fish populations.

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OBJECTIVES

To obtain current information for fishery management decisions on mountain lakes, including angler use and success, fish population characteristics, spawning potential, stocking success, limnology, morphology, and notes on other aquatic life and develop appropriate management recommendations.

METHODS

Mountain Lake Stocking

We used a Cessna 185 fixed-wing airplane and backpacking to stock Salmon Region high mountain lakes during the summer of 2001.

Mountain Lake Surveys

Department personnel conducted cursory surveys of 173 mountain lakes in the Sawtooth Wilderness Area and Salmon-Challis National Forest during June, July, and August 2001. We sampled fish communities via angling and/or by visual observation. Fish caught from the lakes were identified, measured (total length) to the nearest millimeter and released. We used Catch-Per-Unit-Effort (CPUE) information (hook and line) to reflect fish abundance in each lake and categorized the relative abundance of fish in each lake using methods developed by Bahls (1991) (Table 1). We also used visual observation to determine fish presence, but no relative abundance estimate was determined. These techniques were used separately or in concert to determine stocking success and to formulate future stocking needs. Presence or absence of amphibians was determined by timed visual encounter surveys of the shorelines.

Lakes were visually surveyed for campsites and signs of human use and notes recorded about the difficulty of access.

All data collected were entered in the Salmon Region alpine lake Access© database for future analysis when all lakes have been surveyed.

RESULTS AND DISCUSSION

Mountain Lake Stocking

In the Salmon Region (including the Salmon–Challis National Forest and the Sawtooth Wilderness Area), a total of 55 alpine mountain lakes were stocked with 35,455 trout. Of the total number of trout stocked in 28 lakes in the Salmon Region from August 6 to September 14, 2001 by the McCall Fish Hatchery, 2,500 were triploid Hayspur rainbow trout *Oncorhynchus mykiss*, 3,100 were diploid Hayspur rainbow trout, 4,600 were arctic grayling *Thymallus arcticus,* and 4,115 were golden trout *O. aguabonita*. Sawtooth Fish Hatchery personnel stocked 21,140 westslope cutthroat trout *O. clarki lewisi* in 27 lakes on August 30, 2001. Five aircraft flights were used for all stocking at a total cost of $2,232.16 ($30.00 per lake stocked from Sawtooth Fish Hatchery and $49.72 per lake stocked from McCall Fish Hatchery; Table 2).

Mountain Lake Surveys

Our results showed that fish abundance (conducted by visual observation or angling) was moderate to very high in 51 (29%) of the lakes surveyed. The CPUE collected from the lakes yielded similar results. In 51 lakes (29%) catch rates were ≥4 fish/h, which was considered to be moderate to high fish abundance. Of 173 lakes surveyed, 86 were previously stocked. Of 86 stocked lakes 31 (36%) should be removed from the stocking request based on natural reproduction or poor ecological conditions. Ninety-three (55%) of the lakes surveyed were fishless and we recommend they remain so to provide needed refugia for various amphibian species. Twenty-four (14%) lakes surveyed had naturally reproducing fish populations and should not be stocked with additional fish. Results of each survey are listed in Tables 3-175.

RECOMMENDATIONS

Continue cursory surveys of high mountain lakes to determine the current status of human use, fish and amphibian populations, and the success of current stocking strategies. Standard mountain lake surveys will be performed on selected monitoring lakes upon completion of cursory surveys to measure the response of fish and amphibian populations due to changes in mangement techniques.

Table 1. Trout relative abundance, Salmon Region, 2001.

Population size	Angling catch/hour	Gill net catch/12 hour set
Very low	< .4	< 4
Low	.4 – 1.0	5 – 8
Moderate	1.1 – 3.0	9 – 17
High	3.1 – 6.0	18 – 30
Very high	> 6.0	>31 – 70

Table 2. Salmon Region high mountain (alpine) lakes stocked, summer 2001. All fish were stocked by Sawtooth or McCall Fish Hatchery personnel unless otherwise stated.

Lake name	Hatchery	Catalog no.	Land area[a]	Species[b]	No. stocked
Airplane	Sawtooth	7-0618	Big Horn Crags	C2	1,000
Alpine	McCall	7-1540	SWA	GN	1,115
Alpine Cr #11	McCall	7-1797	SWA	GN	400
Alpine Cr #4	Sawtooth	7-1787	SWA	GR	725
Alpine Cr #4	McCall	7-1787	SWA	C2	890
Alpine Cr #15	McCall	7-1804	SWA	GR	500
Basin Cr L#5	Sawtooth	7-1237	SNRA	C2	1,000
Bear Valley #3	McCall	7-1245	Lemhi	C2	150
Birdbill	Sawtooth	7-1197	Big Horn Crags	C2	500
Broncho	Sawtooth	7-0566	Divide	C2	725
Buck Cr #4	McCall	7-1242	Lemhi	GR	225
Cache Cr #5	McCall	7-0848	Sleeping Deer	GR	250
Crater	McCall	7-1185	Big Horn Crags	GN	700
Devils	Sawtooth	7-1260	Salmon	C2	350
Everson	Sawtooth	7-1257	Lemhi County	C2	1,500
Glacier	McCall	7-1189	Big Horn Crags	GN	275
Golden Trout	McCall	7-1201	Big Horn Crags	GN	950
Gooseneck	McCall	7-1187	Big Horn Crags	GN	200
Harbor	Sawtooth	7-0796	Big Horn Crags	C2	3,000
Heart	Sawtooth	7-0793	Big Horn Crags	C2	1,675
Helen	Sawtooth	7-0573	Lemhi County	C2	300
Hindman #1	Sawtooth	7-1495	Custer County	C2	500
Hope	McCall	7-1430	White Clouds	GR	650
Knapp#14	McCall	7-1179	Salmon	GR	175
Lost Packer	McCall	7-0564	Lemhi	T9	500
Lost Packer	McCall	7-0564	Lemhi	R9	500
Lower Valley Cr. L	Sawtooth	7-1584	Custer	C2	400
M F Hat Cr #5	Sawtooth	7-1293	Lemhi	C2	1,000
M F Hat Cr #2	McCall	7-1288	Lemhi	R9	300
M F Hat Cr #2	McCall	7-1288	Lemhi	GR	500
M F Hat Cr# 3	McCall	7-1289	Lemhi	R9	500
M F Hat Cr#3	McCall	7-1289	Lemhi	T9	500
M F Hat Cr#4	McCall	7-1290	Lemhi	R9	300
Martindale #1	McCall	7-0815	Lemhi	GR	175
McNutt L(Basin Cr L#4)	Sawtooth	7-1235	SNRA	C2	350
Mystery #1	McCall	7-0876	Salmon	GN	400
Mystery #3	McCall	7-0879	Salmon	GN	75
Nez Perce	McCall	7-1273	Lemhi	GR	250
Paragon L (Wilson Cr L#3)	Sawtooth	7-0756	Big Horn Crags	C2	275
Park Fk Cr L	Sawtooth	7-1261	Lemhi	C2	150

Table 2. Continued.

Lake name	Hatchery	Catalog no.	Land area[a]	Species[b]	No. stocked
Patterson Ck Lk #2	Sawtooth	7-1259	Challis NF	C2	200
Puddin Mtn#1(Buck)	McCall	7-0764	Big Horn Crags	R9	500
Puddin Mtn#2(Doe)	McCall	7-0766	Big Horn Crags	R9	500
Puddin Mtn#6 (Twin Cove)	McCall	7-0773	Big Horn Crags	R9	250
Puddin Mtn#6 (Twin Cove)	McCall	7-0733	Big Horn Crags	T9	750
Puddin Mtn#5 (Reflection)	McCall	7-0770	Big Horn Crags	T9	750
Puddin Mtn#5 (Reflection)	McCall	7-0770	Big Horn Crags	R9	250
R F Big Eightmile Lk	Sawtooth	7-1264	Lemhi	C2	150
Rainbow	McCall	7-1153	Cape Horn	GR	250
Ramshorn L (Wilson Cr L#2)	Sawtooth	7-0755	Big Horn Crags	C2	350
Reynolds Ck Lk#4	Sawtooth	7-0578	Divide	C2	1,000
Reynolds Ck Lk NFK#2	Sawtooth	7-0575	Divide	C2	1,325
S F Moyer Cr	McCall	7-1205	Lemhi	GR	275
Sheepeater	Sawtooth	7-0620	Big Horn Crags	C2	325
Skyhigh L (PuddinMtn#15)	Sawtooth	7-0787	Big Horn Crags	C2	675
Turqoise L (Puddin Mtn#10)	Sawtooth	7-0778	Big Horn Crags	C2	275
U.P. Lake	Sawtooth	7-1220	Salmon	C2	1,000
Upper Redfish#1	McCall	7-1634	SWA	GR	475
Vanity #13	McCall	7-1027	Salmon	GR	150
Welcome L	Sawtooth	7-0790	Big Horn Crags	C2	1,225
Wilson L	Sawtooth	7-0794	Big Horn Crags	C2	1,000

[a] CNF=Challis National Forest, SCNF=Salmon-Challis National Forest, and SWA=Sawtooth Wilderness Area.

[b] C2=Westslope cutthroat trout, T9=triploid Hayspur rainbow trout, R9=diploid Hayspur rainbow trout GN=golden trout, GR=arctic grayling

Table 3. Alpine lake survey of Alpine Cr. L #1.

LAKE LOCATION

Lake Name: Alpine Cr. L #1 Survey Date: 8/8/01

IDFG Catalog #: 71783 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8350

Section: Township: Range Acres: 3

UTM East: 664311 UTM North: 4862350

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	1	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	14

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

This lake is actually two lakes with a high water connection. Both lakes down about 1 foot. Mtn. Lion tracks observed - looking for frogs????

Table 4. Alpine lake survey of Alpine Cr. L #10.

LAKE LOCATION

Lake Name: Alpine Cr. L #10 Survey Date: 8/7/01

IDFG Catalog #: 71795 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8860

Section: Township: Range Acres: 1

UTM East: 663330 UTM North: 4864322

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	2	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

<12 ft. deep - marginal for fish. No live connecting stream. Woody debris & rock shoreline. 2 adults under large log.

Table 5. Alpine lake survey of Alpine Cr. L #11.

LAKE LOCATION

Lake Name: Alpine Cr. L #11 Survey Date: 8/7/01

IDFG Catalog #: 71797 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8980

Section: Township: Range Acres: 5

UTM East: 663154 UTM North: 4864239

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.2 # Fish Caught: 5 Fish/Hr: 25

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	1	0	0	0	0	0	0
250-299mm	0	1	0	0	0	0	0
300-349mm	0	0	3	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Sterile, rock basin. Stock low density, golden trout only. Fish condition - skinny. No live outlet - goldens will not escape downstream. Lake #11A is dry.

Table 6. Alpine lake survey of Alpine Cr. L #11B.

LAKE LOCATION

Lake Name: Alpine Cr. L #11B Survey Date: 8/7/01

IDFG Catalog #: 71797B Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8810

Section: Township: Range Acres:

UTM East: 663199 UTM North: 4864558

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake:

Trampled: Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Alpine

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

<4 ft. deep. Very little wood in muddy debris.

Table 7. Alpine lake survey of Alpine Cr. L #12.

LAKE LOCATION

Lake Name: Alpine Cr. L #12 Survey Date: 8/7/01

IDFG Catalog #: 71798 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8720

Section: Township: Range Acres: 5

UTM East: 663002 UTM North: 4864775

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	4	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.2 # Fish Caught: 5 Fish/Hr: 25

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	3	0	0	0	0	0
250-299mm	0	2	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lakes 12, 12A, & 12B all connected - manage as one lake. Spawning between 12 & 12A. 12B very shallow, <6 ft. but has cutthroat. Good fish condition. Excellent frog habitat - small isolated pools/wet meadow. Good example of fish & frogs coexisting.

Table 8. Alpine lake survey of Alpine Cr. L #12A.

LAKE LOCATION

Lake Name: Alpine Cr. L #12A Survey Date: 8/7/01

IDFG Catalog #: 71798A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8720

Section: Township: Range Acres: 5

UTM East: 663002 UTM North: 4864775

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	4	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.2 # Fish Caught: 5 Fish/Hr: 25

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	3	0	0	0	0	0
250-299mm	0	2	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lakes 12, 12A, & 12B all connected - manage as one lake. Spawning between 12 & 12A. 12B very shallow, <6 ft. but has cutthroat. Good fish condition. Excellent frog habitat - small isolated pools/wet meadow. Good example of fish & frogs coexisting.

Table 9. Alpine lake survey of Alpine Cr. L. #12B.

LAKE LOCATION

Lake Name: Alpine Cr. L #12B Survey Date: 8/7/01

IDFG Catalog #: 71798B Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8720

Section: Township: Range Acres: 5

UTM East: 663002 UTM North: 4864775

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	4	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.2 # Fish Caught: 5 Fish/Hr: 25

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	3	0	0	0	0	0
250-299mm	0	2	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lakes 12, 12A, & 12B all connected - manage as one lake. Spawning between 12 & 12A. 12B very shallow, <6 ft. but has cutthroat. Good fish condition. Excellent frog habitat - small isolated pools/wet meadow. Good example of fish & frogs coexisting.

Table 10. Alpine lake survey of Alpine Cr. L #12C.

LAKE LOCATION

Lake Name: Alpine Cr. L #12C Survey Date: 8/7/01

IDFG Catalog #: 71798 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8790

Section: Township: Range Acres: 1

UTM East: 663337 UTM North: 4865074

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	7	Spotted Frog	200
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Frog seeding pond for 12, 12A & 12B. Highest tadpole density seen. Deep enough for fish but very small, <1 acre. Only .1 miles from fish bearing lakes. Mtn. Lion hunting frogs based on tracks. Adult frogs very spooky - dove immediately for deep water

Table 11. Alpine lake survey of Alpine Cr. L. #13.

LAKE LOCATION

Lake Name: Alpine Cr. L #13 Survey Date: 8/7/01

IDFG Catalog #: 71800 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 9050

Section: Township: Range Acres:

UTM East: 662852 UTM North: 4865692

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.3 # Fish Caught: 2 Fish/Hr: 6.7

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	2	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Observed 2 cutthroat 100-149mm. Rocky basin - sterile lake. No amphibian habitat. No connecting waters.

Table 12. Alpine lake survey of Alpine Cr. L. #14.

LAKE LOCATION

Lake Name: Alpine Cr. L #14 Survey Date: 8/7/01

IDFG Catalog #: 71802 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8523

Section: Township: Range Acres:

UTM East: 663952 UTM North: 4864806

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake:

Trampled: Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	2	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.2 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

On trail - stock mid density.

Table 13. Alpine lake survey of Alpine Cr. L. #14A.

LAKE LOCATION

Lake Name: Alpine Cr. L #14A Survey Date: 8/7/01

IDFG Catalog #: 71802A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8750

Section: Township: Range Acres:

UTM East: 663626 UTM North: 4865178

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	11	Spotted Frog	50
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow - <10 ft. Good frog pond.

Table 14. Alpine lake survey of Alpine Cr. L. #14B.

LAKE LOCATION

Lake Name: Alpine Cr. L #14B Survey Date: 8/7/01

IDFG Catalog #: 71802B Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8650

Section: Township: Range Acres: 2

UTM East: 663823 UTM North: 4865192

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: Yes Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	2	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Marginal depth - <12 ft. Good lake for the frogs.

Table 15. Alpine lake survey of Alpine Cr. L. #14C.

LAKE LOCATION

Lake Name: Alpine Cr. L #14C Survey Date: 8/7/01

IDFG Catalog #: 71802 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 663674 UTM North: 4865460

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: Yes Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	1	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow lake - < 4 ft. Alpine L #14D is dry.

Table 16. Alpine lake survey of Alpine Cr. L. #14E.

LAKE LOCATION

Lake Name: Alpine Cr. L #14E Survey Date: 8/7/01

IDFG Catalog #: 71802E Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres: 1

UTM East: 663297 UTM North: 4865786

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: Yes Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow lake - <6 ft.

Table 17. Alpine lake survey of Alpine Cr. L. #14F.

LAKE LOCATION

Lake Name: Alpine Cr. L #14F Survey Date: 8/7/01

IDFG Catalog #: 71802F Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 9080

Section: Township: Range Acres: 2

UTM East: 663171 UTM North: 4865754

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: Yes Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.2 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	2	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	1	0	0	0	0
250-299mm	0	0	1	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Continue low density golden trout stocking. Observed 4 goldens.

Table 18. Alpine lake survey of Alpine Cr. L. #15.

LAKE LOCATION

Lake Name: Alpine Cr. L #15 Survey Date: 8/7/01

IDFG Catalog #: 71804 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 9167

Section: Township: Range Acres:

UTM East: 662886 UTM North: 4865960

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	1	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

No fish observed. Seep above lake with amphibian habitat. Continue to stock low density. Alpine L #15A is dry.

Table 19. Alpine lake survey of Alpine Cr. L. #1A.

LAKE LOCATION

Lake Name: Alpine Cr. L #1A Survey Date: 8/8/01

IDFG Catalog #: 71783A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8390

Section: Township: Range Acres: 2

UTM East: 664119 UTM North: 4861829

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	1	Spotted Frog	1
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lake was not down but no live outlet. <6 ft. deep.

Table 20. Alpine lake survey of Alpine Cr. L. #2.

LAKE LOCATION

Lake Name: Alpine Cr. L #2 Survey Date: 8/8/01

IDFG Catalog #: 71784 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8281

Section: Township: Range Acres: 5

UTM East: 662855 UTM North: 4860976

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lake down about 3 ft. Lake approximately 10-12 ft. deep. Marginal for fish - probably winterkills in low water years.

Table 21. Alpine lake survey of Alpine Cr. L. #2A.

LAKE LOCATION

Lake Name: Alpine Cr. L #2A Survey Date: 8/8/01

IDFG Catalog #: 71784A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8270

Section: Township: Range Acres: 1

UTM East: 663076 UTM North: 4861452

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

<3 ft. deep. Maintains water level with flowing outlet connected to #2 in high water.

Table 22. Alpine lake survey of Alpine Cr. L. #2B.

LAKE LOCATION

Lake Name: Alpine Cr. L #2B Survey Date: 8/8/01

IDFG Catalog #: 71784B Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8350

Section: Township: Range Acres: 1

UTM East: 662955 UTM North: 4861591

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	20
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

<8 ft. deep. Grassy shoreline & wood, silt bottom. Outlet not flowing, but flows in high water.

Table 23. Alpine lake survey of Alpine Cr. L. #2C.

LAKE LOCATION

Lake Name: Alpine Cr. L #2C Survey Date: 8/8/01

IDFG Catalog #: 71784 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8370

Section: Township: Range Acres: 1

UTM East: 662914 UTM North: 4861750

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Alpine/Alturas Creeks

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.1 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Observed one sick looking dark fish 250-299mm. No sign of angler use. 2, 2A, 2B are all marginal/shallow for fish. Probably leave this entire basin for amphibians.

Table 24. Alpine lake survey of Alpine Cr. L. #3.

LAKE LOCATION

Lake Name: Alpine Cr. L #3 Survey Date: 8/8/01

IDFG Catalog #: 71785 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 661918 UTM North: 4861447

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc: Alpine/Alturas Creeks

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 8 Fish/Hr: 16

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	8	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Called moderate density because caught most of the fish observed. Very little amphibian habitat.

Table 25. Alpine lake survey of Alpine Cr. L. #3A.

LAKE LOCATION

Lake Name: Alpine Cr. L #3A Survey Date: 8/8/01

IDFG Catalog #: 71785A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 662266 UTM North: 4862769

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Alpine

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	2

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Water level down 4 ft. and dropping.

Table 26. Alpine lake survey of Alpine Cr. L. #3AX.

LAKE LOCATION

Lake Name: Alpine Cr. L #3AX Survey Date: 8/8/01

IDFG Catalog #: 71785A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 662245 UTM North: 4862528

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	2	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Very geographically isolated, as are 3A & 3C.

Table 27. Alpine lake survey of Alpine Cr. L. #3B.

LAKE LOCATION

Lake Name: Alpine Cr. L #3B Survey Date: 8/8/01

IDFG Catalog #: 71785B Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres: 2

UTM East: 662967 UTM North: 4862036

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Alpine/Alturas Creeks

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	1	Spotted Frog	18
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Marginal depth, <10ft. Good frog overwintering pond.

Table 28. Alpine lake survey of Alpine Cr. L. #3C.

LAKE LOCATION

Lake Name: Alpine Cr. L #3C Survey Date: 8/8/01

IDFG Catalog #: 71785 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 661789 UTM North: 4862361

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	13

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lake level down approximately 3 ft., shallow.

Table 29. Alpine lake survey of Alpine Cr. L. #3D.

LAKE LOCATION

Lake Name: Alpine Cr. L #3D Survey Date: 8/8/01

IDFG Catalog #: 71785 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 662495 UTM North: 4861619

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Dry - no moisture at all!

Table 30. Alpine lake survey of Alpine Cr. L. #3E.

LAKE LOCATION

Lake Name: Alpine Cr. L #3E Survey Date: 8/8/01

IDFG Catalog #: 71785E Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 662465 UTM North: 4861520

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	39	Spotted Frog	1
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Large bog - ducks present.

Table 31. Alpine lake survey of Alpine Cr. L. #4.

LAKE LOCATION

Lake Name: Alpine Cr. L #4 Survey Date: 8/7/01

IDFG Catalog #: 71787 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8522

Section: Township: Range Acres:

UTM East: 662796 UTM North: 4863377

LAKE USE

Campsites: 7 Campsite Impact Rating: Moderate Trail Around Lake: Partial

Trampled: No Access Good (mi): 2 Access Poor (mi): 1

Access X-Country (mi): 0 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 1 # Fish Caught: 6 Fish/Hr: 6

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	1	1	0	0	1	0	0
250-299mm	0	2	0	0	0	0	0
300-349mm	0	1	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Stop stocking - many fry - evaluate in 5 years. Fish look healthy, very little spawning area apparent . However given the number of fry seem to be doing well. Inlet from 4A & 4B. Some amphibian habitat.

Table 32. Alpine lake survey of Alpine Cr. L. #4A.

LAKE LOCATION

Lake Name: Alpine Cr. L #4A Survey Date: 8/7/01

IDFG Catalog #: 71787A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 662505 UTM North: 4863486

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.1 # Fish Caught: 1 Fish/Hr: 10

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	1	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Track in 5 years. Observed 6 - 200mm cutthroat. Some amphibian habitat.

Table 33. Alpine lake survey of Alpine Cr. L. #4B.

LAKE LOCATION

Lake Name: Alpine Cr. L #4B Survey Date: 8/7/01

IDFG Catalog #: 71787B Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 662304 UTM North: 4863305

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: Yes Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Flows into Alpine L #4 from Alpine L #5. Observed 225mm cutthroat. Little ampibian habitat.

Table 34. Alpine lake survey of Alpine Cr. L. #4C.

LAKE LOCATION

Lake Name: Alpine Cr. L #4C Survey Date: 8/7/01

IDFG Catalog #: 71787 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 662223 UTM North: 4863533

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Alpine

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	1

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Small (1/4 acre) frog pond. Down 4 ft. Max depth 3ft.

Table 35. Alpine lake survey of Alpine Cr. L. #5.

LAKE LOCATION

Lake Name: Alpine Cr. L #5 Survey Date: 8/7/01

IDFG Catalog #: 71788 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8727

Section: Township: Range Acres:

UTM East: 662138 UTM North: 4863108

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 3 Fish/Hr: 6

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	2	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	1	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Stock lightly - fish observed looked healty. Observed 5 3-4" fish. Other larger fish. Little amphibian habitat.

Table 36. Alpine lake survey of Alpine Cr. L. #6.

LAKE LOCATION

Lake Name: Alpine Cr. L #6 Survey Date: 8/7/01

IDFG Catalog #: 71789 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8662

Section: Township: Range Acres:

UTM East: 662044 UTM North: 4863746

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.25 # Fish Caught: 3 Fish/Hr: 12

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	1	0	0	0	0	0
300-349mm	0	2	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Stock lightly - fairly shallow lake but fish look very healthy. Both inlet & outlet were dry. Moderate amphibian habitat.

Table 37. Alpine lake survey of Alpine Cr. L. #6A.

LAKE LOCATION

Lake Name: Alpine Cr. L #6A Survey Date: 8/7/01

IDFG Catalog #: 71789A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8900

Section: Township: Range Acres:

UTM East: 661999 UTM North: 4864224

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	7

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Leave as natural fauna - too shallow to support fish. Both inlet & outlet were dry.

Table 38. Alpine lake survey of Alpine Cr. L. #6B.

LAKE LOCATION

Lake Name: Alpine Cr. L #6B Survey Date: 8/7/01

IDFG Catalog #: 71789B Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8919

Section: Township: Range Acres:

UTM East: 661937 UTM North: 4864302

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 4 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	3

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Natural fauna pond.

Table 39. Alpine lake survey of Alpine Cr. L. #6C.

LAKE LOCATION

Lake Name: Alpine Cr. L #6C Survey Date: 8/7/01

IDFG Catalog #: 71789 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8963

Section: Township: Range Acres:

UTM East: 661822 UTM North: 4864243

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi):

Access X-Country (mi): 3 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Deep shorelines - could support fish. Lacks amphibian type habitat.

Table 40. Alpine lake survey of Alpine Cr. L. #6D.

LAKE LOCATION

Lake Name: Alpine Cr. L #6D Survey Date: 8/7/01

IDFG Catalog #: 71789 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8980

Section: Township: Range Acres:

UTM East: 661705 UTM North: 4864329

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	3

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Natural fauna pond - quite shallow. Both inlet & outlets were dry.

Table 41. Alpine lake survey of Alpine Cr. L. #6E.

LAKE LOCATION

Lake Name: Alpine Cr. L #6E Survey Date: 8/7/01

IDFG Catalog #: 71789E Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8997

Section: Township: Range Acres:

UTM East: 661766 UTM North: 4864440

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.1

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	35

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Very little visible amphibian habitat - but definitely a hot spot. Inlet & outlet dry.

Table 42. Alpine lake survey of Alpine Cr. L. #6F.

LAKE LOCATION

Lake Name: Alpine Cr. L #6F Survey Date: 8/7/01

IDFG Catalog #: 71789F Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 9022

Section: Township: Range Acres:

UTM East: 661601 UTM North: 4864388

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.05

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	3

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Amphibian pond.

Table 43. Alpine lake survey of Alpine Cr. L. #6G.

LAKE LOCATION

Lake Name: Alpine Cr. L #6G Survey Date: 8/7/01

IDFG Catalog #: 71789 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8994

Section: Township: Range Acres:

UTM East: 661642 UTM North: 4864036

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.1

Adults	#
Western Chorus Frog	0
Spotted Frog	0
Pacific Chorus Frog	0
Tailed Frog	0
Western Toad	0
Long Toed Salamander	0

Juveniles	#
Western Chorus Frog	0
Spotted Frog	0
Pacific Chorus Frog	0
Tailed Frog	0
Western Toad	0
Long Toed Salamander	5

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Amphibian pond - found skeletal remains of salamander.

Table 44. Alpine lake survey of Alpine Cr. L. #6H.

LAKE LOCATION

Lake Name: Alpine Cr. L #6H Survey Date: 8/7/01

IDFG Catalog #: 71789H Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 9075

Section: Township: Range Acres:

UTM East: 661597 UTM North: 4863773

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc: Alpine

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	7

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Inlet & outlet dry.

Table 45. Alpine lake survey of Alpine Cr. L. #6I.

LAKE LOCATION

Lake Name: Alpine Cr. L #6I Survey Date: 8/7/01

IDFG Catalog #: 71789I Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 9069

Section: Township: Range Acres:

UTM East: 661529 UTM North: 4863773

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	3

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Table 46. Alpine lake survey of Alpine Cr. L. #6J.

LAKE LOCATION

Lake Name: Alpine Cr. L #6J Survey Date: 8/7/01

IDFG Catalog #: 71789J Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 9037

Section: Township: Range Acres:

UTM East: 661493 UTM North: 4863913

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Inlets & outlet dry.

Table 47. Alpine lake survey of Alpine Cr. L. #6K.

LAKE LOCATION

Lake Name: Alpine Cr. L #6K Survey Date: 8/7/01

IDFG Catalog #: 71789K Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 9039

Section: Township: Range Acres:

UTM East: 661386 UTM North: 4863834

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 4 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	6

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Appears deep enough to support fish - would leave alone however & leave upper basin as stronghold for amphibians.

Table 48. Alpine lake survey of Alpine Cr. L. #7.

LAKE LOCATION

Lake Name: Alpine Cr. L #7 Survey Date: 8/7/01

IDFG Catalog #: 71790 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 661386 UTM North: 4863834

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 4 Trailhead Loc: Alpine Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.45 # Fish Caught: 5 Fish/Hr: 11

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	3	0	0	0	0	0
300-349mm	0	2	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Impossible for fish to get out - outlet is a boulder field. Lake level down approx. 6 feet. Stock lightly. Observed 2 goats on slope above lake.

Table 49. Alpine lake survey of Alpine Cr. L. #8.

LAKE LOCATION

Lake Name: Alpine Cr. L #8 Survey Date: 8/7/01

IDFG Catalog #: 71793 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8420

Section: Township: Range Acres: 1

UTM East: 663808 UTM North: 4864210

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow lake - down about 4 ft. No "live" connecting streams - probably connected in high water years. Expected salamanders - rock & mud shoreline with woody debris. Lion tracks observed, adult & cub.

Table 50. Alpine lake survey of Alpine Cr. L. #8A.

LAKE LOCATION

Lake Name: Alpine Cr. L #8A Survey Date: 8/7/01

IDFG Catalog #: 71793A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8210

Section: Township: Range Acres: .5

UTM East: 664088 UTM North: 4864089

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	50
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	50

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shoreline crawling with juvenile frogs & salamanders - no adults?? Bottom all mud, lots of woody debris.

Table 51. Alpine lake survey of Alpine Cr. L. #9.

LAKE LOCATION

Lake Name: Alpine Cr. L #9 Survey Date: 8/7/01

IDFG Catalog #: 71794 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Alpine/Alturas Creeks County: Blaine

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8260

Section: Township: Range Acres:

UTM East: 663671 UTM North: 4864170

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Alpine/Alturas

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Marginal depth for fish, <10 ft. No live connecting stream. No frog habitat but has salamander habitat - mud & wood.

Table 52. Alpine lake survey of Alpine L.

LAKE LOCATION

Lake Name: Alpine L Survey Date: 7/11/01

IDFG Catalog #: 71540 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Iron Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 7823

Section: Township: Range Acres:

UTM East: 655536 UTM North: 4893355

LAKE USE

Campsites: 4 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: Yes Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.75

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	3	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 3 Hrs Fished: 2.5 # Fish Caught: 2 Fish/Hr: 0.8

Fish Abundance: Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	2	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Observed about 25 fish rising. Approximately 2 150-200mm, 12 60-80mm, 6 300mm.

Table 53. Alpine lake survey of Bear Lake.

LAKE LOCATION

Lake Name: Bear Lake Survey Date: 7/5/01

IDFG Catalog #: 71473 Primary Drainage: Main Salmon (EFk - Yankee Fk)

Secondary Drainage: Warm Springs via Bear Lake Cr. County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 684419 UTM North: 4889590

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 7 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Fischer Cr.

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	3

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.2 # Fish Caught: 2 Fish/Hr: 10

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	2	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lower Bear very shallow. Approx. 5 dead adults - probably moved downstream to spawn & got trapped. Observed approx. eight 12-14" fish & fifteen 8-10" fish.

Table 54. Alpine lake survey of Broncho.

LAKE LOCATION

Lake Name: Broncho Survey Date: 8/15/01

IDFG Catalog #: 70566 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 683501 UTM North: 5037359

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 10 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	70	Spotted Frog	300
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.17 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Visited with outfitter - stated fish numbers are starting to drop. Appears lake gets a bit of pressure from outfitter. Fire burned lightly around perimeter. Incredible amphibian producer.

Table 55. Alpine lake survey of Buffalo Skull Lake.

LAKE LOCATION

Lake Name: Buffalo Skull Lake Survey Date: 7/20/01

IDFG Catalog #: 71254A Primary Drainage: Lemhi River

Secondary Drainage: EF Hayden Cr. County: Lemhi

Land Area: Lemhi USFS Ranger Dist: Leadore Elevation (ft): 9250

Section: Township: Range Acres:

UTM East: 287251 UTM North: 4948877

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: Access Good (mi): 1 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Mill Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

May just be deep enough for fish. Small inlet stream with little gravel. Rocky shoreline - very little weed along shore.

Table 56. Alpine lake survey of Collie #1.

LAKE LOCATION

Lake Name: Collie #1 Survey Date: 7/26/01

IDFG Catalog #: 71111 Primary Drainage: MFk Salmon River

Secondary Drainage: Collie/Marsh Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Yankee Fork Elevation (ft): 8218

Section: Township: Range Acres:

UTM East: 641374 UTM North: 4918607

LAKE USE

Campsites: 8 Campsite Impact Rating: High Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 1 Fish/Hr: 2

Fish Abundance: Moderate Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	1	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

No indication natural reproduction is occuring. Maybe skip a rotation & evaluate. Nice, big, deep lake. Hard to survey via angling. Suspect natural reproduction but no indication. 8" fish in outlet.

Table 57. Alpine lake survey of Collie #1A.

LAKE LOCATION

Lake Name: Collie #1A Survey Date: 7/26/01

IDFG Catalog #: 71111A Primary Drainage: MFk Salmon River

Secondary Drainage: Collie/Marsh Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Yankee Fork Elevation (ft): 8303

Section: Township: Range Acres:

UTM East: 641653 UTM North: 4917847

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 4 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Water down 10 feet. Could suspect fish if full. Inlet & outlet dry. No amphibian habitat.

Table 58. Alpine lake survey of Collie #1B.

LAKE LOCATION

Lake Name: Collie #1B Survey Date: 7/26/01

IDFG Catalog #: 71111B Primary Drainage: MFk Salmon River

Secondary Drainage: Collie/Marsh Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Yankee Fork Elevation (ft): 8630

Section: Township: Range Acres:

UTM East: 640879 UTM North: 4917822

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 4 Trailhead Loc: Lola Transfer

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lake completely dry - probably rarely holds water. Inlet & outlet both dry.

Table 59. Alpine lake survey of Cutthroat Lake.

LAKE LOCATION

Lake Name: Cutthroat Lake Survey Date: 7/24/01

IDFG Catalog #: 71042 Primary Drainage: MFk Salmon River

Secondary Drainage: Muskeg/Soldier Creeks County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 7663

Section: Township: Range Acres:

UTM East: 641422 UTM North: 4934111

LAKE USE

Campsites: 5 Campsite Impact Rating: Moderate Trail Around Lake: Complete

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.5

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 2 # Fish Caught: 21 Fish/Hr: 10.5

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	4	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	9	0	0	0	0	0
250-299mm	0	7	0	0	0	0	0
300-349mm	0	1	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

No indication of substantial reproduction - continue stocking.

Table 60. Alpine lake survey of Cutthroat Lake #1A.

LAKE LOCATION

Lake Name: Cutthroat Lake #1A Survey Date: 7/24/01

IDFG Catalog #: 71042A Primary Drainage: MFk Salmon River

Secondary Drainage: Muskeg/Soldier Creeks County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 7927

Section: Township: Range Acres:

UTM East: 640893 UTM North: 4934234

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lake is dried up - not even enough moisture to support amphibians.

Table 61. Alpine lake survey of Cutthroat Lake #1B.

LAKE LOCATION

Lake Name: Cutthroat Lake #1B Survey Date: 7/24/01

IDFG Catalog #: 71042B Primary Drainage: MFk Salmon River

Secondary Drainage: Muskeg/Soldier Creeks County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 7923

Section: Township: Range Acres:

UTM East: 640791 UTM North: 4934317

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	14

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Nice amphibian pond.

Table 62. Alpine lake survey of Cutthroat Lake #1C.

LAKE LOCATION

Lake Name: Cutthroat Lake #1C Survey Date: 7/24/01

IDFG Catalog #: 71042 Primary Drainage: MFk Salmon River

Secondary Drainage: Muskeg/Soldier Creeks County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8214

Section: Township: Range Acres:

UTM East: 640340 UTM North: 4933725

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Outlet is dry.

Table 63. Alpine lake survey of Goat #1.

LAKE LOCATION

Lake Name: Goat #1 Survey Date: 7/13/01

IDFG Catalog #: 71530 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Goat Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8220

Section: Township: Range Acres:

UTM East: 658352 UTM North: 4892902

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake:

Trampled: Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 0.5 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Moderate Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Numerous young fish 3-5", 1 10" cruising. Nearly complete rock basin, low productivity.

Table 64. Alpine lake survey of Goat #2.

LAKE LOCATION

Lake Name: Goat #2 Survey Date: 7/13/01

IDFG Catalog #: 71533 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Goat Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8274

Section: Township: Range Acres:

UTM East: 659090 UTM North: 4892341

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.5

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Fishless/amphibianless lake. Could support fish - plenty deep. Lack of amphibian habitat but some present. Has this lake been stocked in the past?

Table 65. Alpine lake survey of Goat #2A.

LAKE LOCATION

Lake Name: Goat #2A Survey Date: 7/13/01

IDFG Catalog #: 71533A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Goat Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 9050

Section: Township: Range Acres: 2

UTM East: 659018 UTM North: 4891758

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Iron Cr.

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Rocky basin lake - glaciers. Deep enough for fish, no amphibian habitat, no silt. Do not stock. Observed 2 goats above lake.

Table 66. Alpine lake survey of Goat #3.

LAKE LOCATION

Lake Name: Goat #3 Survey Date: 7/13/01

IDFG Catalog #: 71534 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Goat Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8800

Section: Township: Range Acres: 4

UTM East: 658714 UTM North: 4891728

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: Yes Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Rock basin lake. No amphibians. Glaciers.

Table 67. Alpine lake survey of Goat #4.

LAKE LOCATION

Lake Name: Goat #4 Survey Date: 7/13/01

IDFG Catalog #: 71535 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Goat Creek County: Custer

Land Area: SWA USFS Ranger Dist: Sawtooth Elevation (ft): 8865

Section: Township: Range Acres:

UTM East: 658777 UTM North: 4891467

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.33 # Fish Caught: 2 Fish/Hr: 6

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	1	0	0	0	0	0
250-299mm	0	1	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

High rocky basin - very little amphibian habitat.

Table 68. Alpine lake survey of Goat #4A.

LAKE LOCATION

Lake Name: Goat #4A Survey Date: 7/13/01

IDFG Catalog #: 71535A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Goat Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Sawtooth Elevation (ft): 8890

Section: Township: Range Acres:

UTM East: 658573 UTM North: 4890905

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Rocky - glaciers. Sterile, no fish, no amphibians, no amphibian habitat. Very little wood on shoreline.

Table 69. Alpine lake survey of Goat #4B.

LAKE LOCATION

Lake Name: Goat #4B Survey Date: 7/13/01

IDFG Catalog #: 71535B Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Goat Creek County: Custer

Land Area: SWA USFS Ranger Dist: Sawtooth Elevation (ft): 8978

Section: Township: Range Acres:

UTM East: 658786 UTM North: 4890948

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Too shallow to support fish.

Table 70. Alpine lake survey of Goat #4C.

LAKE LOCATION

Lake Name: Goat #4C Survey Date: 7/13/01

IDFG Catalog #: 71535 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Goat Creek County: Custer

Land Area: SWA USFS Ranger Dist: Sawtooth Elevation (ft): 8946

Section: Township: Range Acres:

UTM East: 658776 UTM North: 4891012

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

3 foot rocky pond with some vegetation.

Table 71. Alpine lake survey of Goat #5.

LAKE LOCATION

Lake Name: Goat #5 Survey Date: 7/13/01

IDFG Catalog #: 71536 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Goat Creek County: Custer

Land Area: SWA USFS Ranger Dist: Sawtooth Elevation (ft):

Section: Township: Range Acres: 3

UTM East: 658590 UTM North: 4891179

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Iron Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.2 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Stock cutthroat and they should self-sustain.

Table 72. Alpine lake survey of Goat #6.

LAKE LOCATION

Lake Name: Goat #6 Survey Date: 7/13/01

IDFG Catalog #: 71537 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Goat Creek County: Custer

Land Area: SWA USFS Ranger Dist: Sawtooth Elevation (ft):

Section: Township: Range Acres:

UTM East: 658711 UTM North: 4890444

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Plenty of depth to support fish. Leave fishless like Goat #2 as reference for amphibians at high sterile locations.

Table 73. Alpine lake survey of Harlan #1.

LAKE LOCATION

Lake Name: Harlan #1 Survey Date: 7/24/01

IDFG Catalog #: 70980 Primary Drainage: MFk Salmon River

Secondary Drainage: Harlan Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 647850 UTM North: 4932250

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 1 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.2 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	11	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Observed 11 cutthroat. Marginal depth - <12 feet. Continue to stock at 100/acre.

Table 74. Alpine lake survey of Harlan #2.

LAKE LOCATION

Lake Name: Harlan #2 Survey Date: 7/24/01

IDFG Catalog #: 70983 Primary Drainage: MFk Salmon River

Secondary Drainage: Harlan Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8410

Section: Township: Range Acres:

UTM East: 647250 UTM North: 4931300

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.25 # Fish Caught: 1 Fish/Hr: 4

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	1	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Continue to stock - low density.

Table 75. Alpine lake survey of Harlan #3.

LAKE LOCATION

Lake Name: Harlan #3 Survey Date: 7/24/01

IDFG Catalog #: 70984 Primary Drainage: MFk Salmon River

Secondary Drainage: Harlan Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 647400 UTM North: 4931000

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	2	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

<6 feet deep. <100 rpm flow through lake. Frog pond/duck pond.

Table 76. Alpine lake survey of Hasbrook L. #3.

LAKE LOCATION

Lake Name: Hasbrook L#3 Survey Date: 7/23/01

IDFG Catalog #: 70995 Primary Drainage: MFk Salmon River

Secondary Drainage: Helldiver Lake County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8258

Section: Township: Range Acres: 6

UTM East: 644665 UTM North: 4931717

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 0 Access Poor (mi): 1

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	2	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.15 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Appears lake is sterile. Limited spawning potential. Some deeper spots.

Table 77. Alpine lake survey of Hasbrook L. #4.

LAKE LOCATION

Lake Name: Hasbrook L#4 Survey Date: 7/23/01

IDFG Catalog #: 70995A Primary Drainage: MFk Salmon River

Secondary Drainage: Helldiver Lake County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8230

Section: Township: Range Acres: 4

UTM East: 645412 UTM North: 4831393

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: approx. 100 yds from east of lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 1

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	21	Spotted Frog	500
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	9	Long Toed Salamander	1

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

No spawning grounds, too shallow. Abundance of amphibians.

Table 78. Alpine lake survey of Hasbrook Lake #2.

LAKE LOCATION

Lake Name: Hasbrook Lake #2 Survey Date: 7/23/01

IDFG Catalog #: 70994 Primary Drainage: MFk Salmon River

Secondary Drainage: Helldiver #1 County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8376

Section: Township: Range Acres: 12

UTM East: 644667 UTM North: 4931178

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Pack trail east of Helldiver #4

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 1.1

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.15 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lake located 50 meters above Helldiver #4. Limited food supply. Primarily rocky shoreline. Observed 12 100-149mm & 12 150-199mm rainbows. Natural reproduction.

Table 79. Alpine lake survey of Hatchet L.

LAKE LOCATION

Lake Name: Hatchet L Survey Date: 8/18/01

IDFG Catalog #: 71390 Primary Drainage: EFk Salmon River

Secondary Drainage: Little Boulder/East Fork County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft): 8884

Section: Township: Range Acres: 25

UTM East: 695156 UTM North: 4882233

LAKE USE

Campsites: 3 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 10 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Livingston Mall

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	1	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 3 Hrs Fished: 5 # Fish Caught: 15 Fish/Hr: 3

Fish Abundance: Moderate Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	1	0	0	0	0	0	0
100-149mm	1	0	0	0	0	0	0
150-199mm	11	0	0	0	0	0	0
200-249mm	1	0	0	0	0	0	0
250-299mm	1	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

One party of 2 fisherman were camped at Hatchet. Both said they caught rainbow trout at about 12 fish/h. Two cutthroat at Lodgepole Lake were caught. They were discouraged on the monotony of the fishery. Good frog habitat.

Table 80. Alpine lake survey of Headwall Lake.

LAKE LOCATION

Lake Name: Headwall Lake Survey Date: 8/18/01

IDFG Catalog #: 71405 Primary Drainage: EFk Salmon River

Secondary Drainage: Little Boulder County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft): 9755

Section: Township: Range Acres: 25

UTM East: 692359 UTM North: 4882612

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 14 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Livingston Mill

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 2.5

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 2 # Fish Caught: 1 Fish/Hr: 0.5

Fish Abundance: Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	1	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Approximately 12 small cutthroat were either hooked up or observed - almost too small to hook up & keep with #10 fly. Some escapement could occur to Scoop Lake approx. 220 yards & 150' elevation away. Stock low density every 6 years.

Table 81. Alpine lake survey of Helen Lake.

LAKE LOCATION

Lake Name: Helen #1 Survey Date: 8/14/01

IDFG Catalog #: 70573 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 688828 UTM North: 5045412

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	10	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.25 # Fish Caught: 1 Fish/Hr: 4

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	1	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Appears to be some attempt to spawn in inlet but it mostly dried up afterwards. Likely connects to Helen #1A during high flows.

Table 82. Alpine lake survey of Helldiver Lake.

LAKE LOCATION

Lake Name: Helldiver Lake Survey Date: 7/24/01

IDFG Catalog #: 70989 Primary Drainage: MFk Salmon River

Secondary Drainage: Float Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 7726

Section: Township: Range Acres:

UTM East: 645300 UTM North: 4932700

LAKE USE

Campsites: 5 Campsite Impact Rating: Moderate Trail Around Lake: Complete

Trampled: Yes Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 0.3 # Fish Caught: 3 Fish/Hr: 10

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	1	0	0	0	0	0
200-249mm	0	2	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shifting channel at inlet. Fish should be self sustaining. Observed 2 cutthroat 100-149 mm range.

Table 83. Alpine lake survey of Helldiver Lake A.

LAKE LOCATION

Lake Name: Helldiver Lake A Survey Date: 7/23/01

IDFG Catalog #: 70989A Primary Drainage: MFk Salmon River

Secondary Drainage: Helldiver County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8320

Section: Township: Range Acres: 20

UTM East: 644697 UTM North: 4931177

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 1

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 15 # Fish Caught: 3 Fish/Hr: 0.2

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	3	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Limited habitat & food supply, rocky shoreline, some gravel spawning redds near inlet. Fish in poor to fair condition. All fish observed were 4-6".

Table 84. Alpine lake survey of Hidden.

LAKE LOCATION

Lake Name: Hidden Survey Date: 8/15/01

IDFG Catalog #: 60616 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: County: Idaho

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 681749 UTM North: 5038372

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 15 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	10	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	1	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.17 # Fish Caught: 3 Fish/Hr: 18

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	1	0	0	0	0	0
100-149mm	0	1	0	0	0	0	0
150-199mm	0	1	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Stock once every 6 years lightly if needed. Grass on banks pretty beaten by traffic. Flock of teal observed - predators?

Table 85. Alpine lake survey of Hidden.

LAKE LOCATION

Lake Name: Hidden Survey Date: 8/18/01

IDFG Catalog #: 71402 Primary Drainage: EFk Salmon River

Secondary Drainage: Little Boulder County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft):

Section: Township: Range Acres: 60

UTM East: 0 UTM North: 0

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 12 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Livingston Mill

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 3 Fish/Hr: 6

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	3	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Connected to Hummel & Hourglass. All data on Hummel, Hourglass & Hidden was entered on the same data sheet. So data is combined for all 3.

Table 86. Alpine lake survey of Hourglass.

LAKE LOCATION

Lake Name: Hourglass Survey Date: 8/18/01

IDFG Catalog #: 71398 Primary Drainage: EFk Salmon River

Secondary Drainage: Little Boulder County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft): 9731

Section: Township: Range Acres: 30

UTM East: 0 UTM North: 0

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 12 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Livingston Mill

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.5

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	3	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 3 Fish/Hr: 6

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	3	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Connected to Hidden & Hummel. All data on Hummel, Hourglass & Hidden was entered on the same data sheet. So data is combined for all 3.

Table 87. Alpine lake survey of Iris Lake #1.

LAKE LOCATION

Lake Name: Iris Lake #1 Survey Date: 7/25/01

IDFG Catalog #: 71074 Primary Drainage: MFk Salmon River

Secondary Drainage: Iris Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 7981

Section: Township: Range Acres:

UTM East: 643728 UTM North: 4930027

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.5

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	28

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 0.25 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: No Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Very shallow throughout - water level down approx. 5 feet. Inlet & outlet both dry. When at capacity would be nice natural fauna lake. Observed 3 garden snakes.

Table 88. Alpine lake survey of Iris Lake #2.

LAKE LOCATION

Lake Name: Iris Lake #2 Survey Date: 7/25/01

IDFG Catalog #: 71075 Primary Drainage: MFk Salmon River

Secondary Drainage: Iris Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8116

Section: Township: Range Acres:

UTM East: 643322 UTM North: 4930348

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 1 # Fish Caught: 5 Fish/Hr: 5

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	1	0	0	0	0	0
250-299mm	0	4	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lake level down 10 feet, still adequate depth for fish. Outlet is dry. No amphibian habitat. Very murky - do not observe fish rising for fly until approx. 2 feet below surface.

Table 89. Alpine lake survey of Iris Lake #3.

LAKE LOCATION

Lake Name: Iris Lake #3 Survey Date: 7/25/01

IDFG Catalog #: 71077 Primary Drainage: MFk Salmon River

Secondary Drainage: Iris Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8276

Section: Township: Range Acres:

UTM East: 643026 UTM North: 4930723

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 2 # Fish Caught: 3 Fish/Hr: 1.5

Fish Abundance: Moderate Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	1	0	0	0	0	0
300-349mm	1	0	0	0	0	0	0
350-399mm	1	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Very deep in center. Large healthy fish. Relatively easy access from Soldier Lakes. Observed 2 6" fish cruising, approx. 45 11-15" rainbow & cutthroat.

Table 90. Alpine lake survey of Iris Lake #3A.

LAKE LOCATION

Lake Name: Iris Lake #3A Survey Date: 7/25/01

IDFG Catalog #: 71077A Primary Drainage: MFk Salmon River

Secondary Drainage: Iris Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8322

Section: Township: Range Acres:

UTM East: 643028 UTM North: 4930743

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lake just dried up - bottom still muddy. On normal year would make good amphibian pond.

Table 91. Alpine lake survey of Iron Lake #1.

LAKE LOCATION

Lake Name: Iron Lake #1 Survey Date: 6/27/01

IDFG Catalog #: 71279 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Iron Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft): 8806

Section: Township: Range Acres: 20

UTM East: 721510 UTM North: 4976200

LAKE USE

Campsites: 10 Campsite Impact Rating: High Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 1 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Iron Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.25 # Fish Caught: 1 Fish/Hr: 4

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	1	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lake large diameter, definitely deep enough for fish (approx. 30--40 feet deep). Good stocking lake. Fish in good condition. Large logs in water (floating on shoreline), good fish habitat.

Table 92. Alpine lake survey of Iron Lake #1A.

LAKE LOCATION

Lake Name: Iron Lake #1A Survey Date: 6/27/01

IDFG Catalog #: 71279A Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Iron Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres: 1

UTM East: 722056 UTM North: 4975860

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow lake. Do not stock.

Table 93. Alpine lake survey of Iron Lake #2.

LAKE LOCATION

Lake Name: Iron Lake #2 Survey Date: 6/27/01

IDFG Catalog #: 71280 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Iron Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft): 8256

Section: Township: Range Acres: 20

UTM East: 722424 UTM North: 4976990

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: Yes Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Iron Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 5 Fish/Hr: 10

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	1	0	0	0	0	0	0
150-199mm	2	0	0	0	0	0	0
200-249mm	2	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Rainbow trout naturally spawning. Do not stock.

Table 94. Alpine lake survey of Josephus Lake.

LAKE LOCATION

Lake Name: Josephus Lake Survey Date: 7/26/01

IDFG Catalog #: 70985 Primary Drainage: MFk Salmon River

Secondary Drainage: Float Creek below Josephus County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8066

Section: Township: Range Acres: 25-30

UTM East: 647673 UTM North: 4934167

LAKE USE

Campsites: 7 Campsite Impact Rating: Moderate Trail Around Lake: Intermittent

Trampled: Yes Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.83

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	2	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	1

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: Yes Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Some spawning occuring between upper & lower lake; numerous fry along shoreline just below riffle/flow on lower lake. Observed 21 100-149mm and 14 150-199mm cutthroat.

Table 95. Alpine lake survey of Lick Cr. #1.

LAKE LOCATION

Lake Name: Lick Cr. #1 Survey Date: 7/8/01

IDFG Catalog #: 71312 Primary Drainage: Main Salmon (Pahsimeroi - EFk)

Secondary Drainage: Morgan Cr. County: Custer

Land Area: Salmon USFS Ranger Dist: Challis Elevation (ft): 8646

Section: Township: Range Acres:

UTM East: 709881 UTM North: 4961052

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: Access Good (mi): 1 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	2	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Less than 10 feet deep. Mud bottom.

Table 96. Alpine lake survey of Lick Cr. #1A.

LAKE LOCATION

Lake Name: Lick Cr. #1A Survey Date: 7/8/01

IDFG Catalog #: 71312A Primary Drainage: Main Salmon (Pahsimeroi - EFk)

Secondary Drainage: Morgan Cr. County: Custer

Land Area: Salmon USFS Ranger Dist: Challis Elevation (ft):

Section: Township: Range Acres:

UTM East: 709914 UTM North: 4961240

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: Access Good (mi): 1 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Less than 3 feet deep. Do not stock. Good elk pasture - observed 2 cows, 1 calf.

Table 97. Alpine lake survey of Line.

LAKE LOCATION

Lake Name: Line Survey Date: 8/14/01

IDFG Catalog #: 60603 Primary Drainage: Selway River

Secondary Drainage: Line Creek County: Idaho

Land Area: Selway USFS Ranger Dist: North Fork Elevation (ft): 7615

Section: Township: Range Acres: 3

UTM East: 689409 UTM North: 5049170

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Divide

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.1 # Fish Caught: 3 Fish/Hr: 30

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	2	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	1	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Difficult access to lake. No sign of use. Probably OK to stock once every 6 years. 4 casts produced 3 cutts. This was a totally burned basin - obviously several year classes of fish survived the burn.

Table 98. Alpine lake survey of Lodgepole.

LAKE LOCATION

Lake Name: Lodgepole Survey Date: 8/18/01

IDFG Catalog #: 71397 Primary Drainage: EFk Salmon River

Secondary Drainage: Little Boulder County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft): 9008

Section: Township: Range Acres: 15

UTM East: 694980 UTM North: 4881254

LAKE USE

Campsites: 3 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 11 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Livingston Mill

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	1	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 1.5 # Fish Caught: 7 Fish/Hr: 4.7

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	1	0	0	0	0	0	0
100-149mm	2	1	0	0	0	0	0
150-199mm	3	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Outlet is poor.

Table 99. Alpine lake survey of Lola Lake #1.

LAKE LOCATION

Lake Name: Lola Lake #1 Survey Date: 7/26/01

IDFG Catalog #: 71147 Primary Drainage: MFk Salmon River

Secondary Drainage: Lola/Marsh Creeks County: Custer

Land Area: Capehorn USFS Ranger Dist: Yankee Fork Elevation (ft): 7911

Section: Township: Range Acres:

UTM East: 641626 UTM North: 4916955

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: None

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Lola Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Dry lake - probably nice amphibian producer on good year.

Table 100. Alpine lake survey of Lola Lake #2.

LAKE LOCATION

Lake Name: Lola Lake #2 Survey Date: 7/26/01

IDFG Catalog #: 71148 Primary Drainage: MFk Salmon River

Secondary Drainage: Lola/Marsh Creeks County: Custer

Land Area: Capehorn USFS Ranger Dist: Yankee Fork Elevation (ft): 8023

Section: Township: Range Acres:

UTM East: 641388 UTM North: 4916645

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Lola

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	1	Long Toed Salamander	10

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.25 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Continue stocking lightly - observed 2 4" fish cruising. No rises. Excellent salamander (woody debris) in outlet & SSW shoreline. Lake somewhat turbid - looks productive.

Table 101. Alpine lake survey of Lola Lake #3.

LAKE LOCATION

Lake Name: Lola Lake #3 Survey Date: 7/26/01

IDFG Catalog #: 71149 Primary Drainage: MFk Salmon River

Secondary Drainage: Lola/Marsh Creeks County: Custer

Land Area: Capehorn USFS Ranger Dist: Yankee Fork Elevation (ft): 8548

Section: Township: Range Acres:

UTM East: 640256 UTM North: 4916640

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Lola Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	1	Long Toed Salamander	1

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.25 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Observed 2 20" rainbow trout rise. No other fish observed. Nice trophy fishery. Only amphibian habitat in outlet area.

Table 102. Alpine lake survey of Lonesome.

LAKE LOCATION

Lake Name: Lonesome Survey Date: 8/18/01

IDFG Catalog #: 71407 Primary Drainage: EFk Salmon River

Secondary Drainage: Little Boulder County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft): 10435

Section: Township: Range Acres: 35

UTM East: 0 UTM North: 0

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 14 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Livingston Mill

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 1

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 1 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Very clear, could not observe much food items. Looks to have some deep water & adequate to overwinter. Maybe trophy type cutthroat - no reproduction, low density. Inlet is all snow melt, outlet is under a rock.

Table 103. Alpine lake survey of Lost Lake.

LAKE LOCATION

Lake Name: Lost Lake Survey Date: 7/24/01

IDFG Catalog #: 70988 Primary Drainage: MFk Salmon River

Secondary Drainage: Float Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8100

Section: Township: Range Acres:

UTM East: 646423 UTM North: 4932256

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Complete

Trampled: Yes Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 5 Fish/Hr: 10

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	2	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	1	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	1	0	0	0	0	0
300-349mm	0	1	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Outlet spawning in normal & high flow years. Fish slender, condition normal. Rocky shoreline. No amphibian habitat except woody debris in outlet. Observed 4 100-149mm fish & 5 200-249mm fish.

Table 104. Alpine lake survey of Lost Packer.

LAKE LOCATION

Lake Name: Lost Packer Survey Date: 8/16/01

IDFG Catalog #: 70564 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: Horse County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft): 7370

Section: Township: Range Acres:

UTM East: 673815 UTM North: 5037534

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: No Access Good (mi): 15 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	15	Spotted Frog	30
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.17 # Fish Caught: 1 Fish/Hr: 6

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	1	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Seems to be functioning fine - keep an eye on. Very chunky fish. Lily pads present. Outlet subterrainian. Elk in lake.

Table 105. Alpine lake survey of Lost Packer A.

LAKE LOCATION

Lake Name: Lost Packer A Survey Date: 8/16/01

IDFG Catalog #: 70564A Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: Horse County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft): 7446

Section: Township: Range Acres:

UTM East: 673433 UTM North: 5037193

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: Yes Access Good (mi): 15 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	22	Spotted Frog	50
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: Yes Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Very muddy lake - elk/moose swimming pool. Tea colored - observed one fish rise. Fry in inlet. Outlet dry. Looks quite shallow throughout. May connect to Lost Packer in high flow events.

Table 106. Alpine lake survey of Lost Packer B.

LAKE LOCATION

Lake Name: Lost Packer B Survey Date: 8/16/01

IDFG Catalog #: 70564B Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: Horse County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft): 8144

Section: Township: Range Acres:

UTM East: 672621 UTM North: 5039119

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 15 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	30	Spotted Frog	350
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Very isolated. Loaded with frogs! Water snake observed hunting for frogs.

Table 107. Alpine lake survey of Lost Packer C.

LAKE LOCATION

Lake Name: Lost Packer C Survey Date: 8/16/01

IDFG Catalog #: 70564 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: Horse County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft): 8215

Section: Township: Range Acres:

UTM East: 672461 UTM North: 5038819

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 15 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	30
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

More rocky shoreline - less amphibian habitat.

Table 108. Alpine lake survey of McGown L. #1.

LAKE LOCATION

Lake Name: McGown L #1 Survey Date: 7/12/01

IDFG Catalog #: 71563 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Stanley L. Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 7975

Section: Township: Range Acres:

UTM East: 653312 UTM North: 4894093

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake:

Trampled: Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.5

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	30
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	2	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.17 # Fish Caught: 7 Fish/Hr: 41.2

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	1	0	0	0	0	0	0
150-199mm	1	0	0	0	0	0	0
200-249mm	3	0	0	0	0	0	0
250-299mm	2	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Fish a cast. Fish with good body condition. Observed over 50 fish in 20 minutes.

Table 109. Alpine lake survey of McGown L. #1A.

LAKE LOCATION

Lake Name: McGown L #1A Survey Date: 7/12/01

IDFG Catalog #: 71563A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Stanley L. Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8132

Section: Township: Range Acres:

UTM East: 652999 UTM North: 4893836

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	7	Long Toed Salamander	7

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RB	CU	GN	BL	RBT CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Frog pond. Nice amphibian habitat.

Table 110. Alpine lake survey of McGown L. #1B.

LAKE LOCATION

Lake Name: McGown L #1B Survey Date: 7/12/01

IDFG Catalog #: 71563B Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Stanley L. Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8250

Section: Township: Range Acres:

UTM East: 652827 UTM North: 4893388

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Pacific Chorus Frog	0	Pacific Chorus Frog	0	
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	9	

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow amphibian ponds - lots of inverts.

Table 111. Alpine lake survey of McGown L. #2.

LAKE LOCATION

Lake Name: McGown L #2 Survey Date: 7/12/01

IDFG Catalog #: 71564 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Stanley L. Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8228

Section: Township: Range Acres:

UTM East: 653729 UTM North: 4893908

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	2	Spotted Frog	50
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 0.5 # Fish Caught: 7 Fish/Hr: 14

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	2	0	0	0	0	0	0
250-299mm	3	0	0	0	0	0	0
300-349mm	2	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Observed 6 100mm fish in outlet. Very shallow lake - inlet must keep the lake functioning in winter. Revisit lake in future to make sure it is still producing fish.

Table 112. Alpine lake survey of McGown L. #2A.

LAKE LOCATION

Lake Name: McGown L #2A Survey Date: 7/12/01

IDFG Catalog #: 71564A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Stanley L. Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8600

Section: Township: Range Acres: 2

UTM East: 654380 UTM North: 4893936

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 5 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Iron Lake

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Search Time (hrs.min) 0.07	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	11	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow, <6 ft. Lots of wood on shore. Salt & rock bottom.

Table 113. Alpine lake survey of McGown L. #3.

LAKE LOCATION

Lake Name: McGown L #3 Survey Date: 7/12/01

IDFG Catalog #: 71565 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Stanley L. Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft): 8505

Section: Township: Range Acres:

UTM East: 653809 UTM North: 4893307

LAKE USE

Campsites: 3 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.5

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	1	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 1.5 # Fish Caught: 6 Fish/Hr: 4

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	2	0	0	0	0	0	0
100-149mm	1	0	0	0	0	0	0
150-199mm	2	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	1	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Rainbows may be reproducing. Maybe switch stocking to cutthroat.

Table 114. Alpine lake survey of McGown L. #3A.

LAKE LOCATION

Lake Name: McGown L #3A Survey Date: 7/12/01

IDFG Catalog #: 71565A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Stanley L. Cr. County: Custer

Land Area: SWA USFS Ranger Dist: Stanley Elevation (ft):

Section: Township: Range Acres:

UTM East: 653616 UTM North: 4803338

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	25	Spotted Frog	275	
Search Time (hrs.min) 0.67	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Table 115. Alpine lake survey of MF Hat #1.

LAKE LOCATION

Lake Name: MF Hat #1 Survey Date: 6/27/01

IDFG Catalog #: 71287 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft): 8758

Section: Township: Range Acres:

UTM East: 721015 UTM North: 4972666

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Complete

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 6 Fish/Hr: 12

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	1	0	0	0	0	0
250-299mm	0	5	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

No amphibians observed. Pretty cold - may not be active yet. Inlet from Hat Cr. Lake #3 connects in outlet approx. 5 meters downstream from lake. Fish quite robust.

Table 116. Alpine lake survey of MF Hat #1A.

LAKE LOCATION

Lake Name: MF Hat #1A Survey Date: 6/27/01

IDFG Catalog #: 71287A Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres:

UTM East: 720771 UTM North: 4972656

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow pond above Hat Cr. #1.

Table 117. Alpine lake survey of MF Hat #2.

LAKE LOCATION

Lake Name: MF Hat #2 Survey Date: 6/27/01

IDFG Catalog #: 71288 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft): 8905

Section: Township: Range Acres:

UTM East: 720525 UTM North: 4972645

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	7	Spotted Frog	30
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 1 Fish/Hr: 2

Fish Abundance: Moderate Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	1	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Saw only 6 fish rise - one approx. 12" cruised by. Recommend moderate stocking. South end is the deepest.

Table 118. Alpine lake survey of MF Hat #3.

LAKE LOCATION

Lake Name: MF Hat #3 Survey Date: 6/26/01

IDFG Catalog #: 71289 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft): 8805

Section: Township: Range Acres:

UTM East: 720888 UTM North: 4972785

LAKE USE

Campsites: 3 Campsite Impact Rating: Low Trail Around Lake: Complete

Trampled: Yes Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Iron Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.2 # Fish Caught: 2 Fish/Hr: 10

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	1	1	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Continue to stock. High density.

Table 119. Alpine lake survey of MF Hat #4.

LAKE LOCATION

Lake Name: MF Hat #4 Survey Date: 6/21/01

IDFG Catalog #: 71290 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft): 8822

Section: Township: Range Acres:

UTM East: 780910 UTM North: 4973095

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Complete

Trampled: Yes Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Iron Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	1	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.3 # Fish Caught: 4 Fish/Hr: 13.3

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	2	0	0	0	0	0	0
250-299mm	1	1	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Continue to stock. High density. Fish condition good.

Table 120. Alpine lake survey of MF Hat #4A.

LAKE LOCATION

Lake Name: MF Hat #4A Survey Date: 6/21/01

IDFG Catalog #: 71290A Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres:

UTM East: 721543 UTM North: 4972939

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	8	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow <10 feet. Lots of large, woody debris. Do not stock.

Table 121. Alpine lake survey of MF Hat #4B.

LAKE LOCATION

Lake Name: MF Hat #4B Survey Date: 6/21/01

IDFG Catalog #: 71290B Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres:

UTM East: 722021 UTM North: 4972723

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow productive lake. Lots of algae. Boggy shoreline. Do not stock. Likely winter kills.

Table 122. Alpine lake survey of MF Hat #4C.

LAKE LOCATION

Lake Name: MF Hat #4C Survey Date: 6/26/01

IDFG Catalog #: 71290 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres: 1

UTM East: 721059 UTM North: 4973379

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

<3 feet deep. Do not stock, may dry up.

Table 123. Alpine lake survey of MF Hat #5.

LAKE LOCATION

Lake Name: MF Hat #5 Survey Date: 6/26/01

IDFG Catalog #: 71293 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres:

UTM East: 720440 UTM North: 4973137

LAKE USE

Campsites: 3 Campsite Impact Rating: Low Trail Around Lake: Complete

Trampled: Yes Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.6 # Fish Caught: 8 Fish/Hr: 13.3

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	3	0	0	0	0	0
250-299mm	0	5	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Continue to stock. Low density.

Table 124. Alpine lake survey of Muskeg Lake #1.

LAKE LOCATION

Lake Name: Muskeg Lake #1 Survey Date: 7/24/01

IDFG Catalog #: 71043 Primary Drainage: MFk Salmon River

Secondary Drainage: Muskeg/Soldier Creeks County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 642294 UTM North: 4933680

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Search Time (hrs.min) 0.33	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 1.5 # Fish Caught: 12 Fish/Hr: 8

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	1	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	4	7	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Nice healthy fish - observed 3 fry in outlet. Fairly shallow lake. Fish in creek down at Muskeg #1A, probably reproducing.

Table 125. Alpine lake survey of Muskeg Lake #1B.

LAKE LOCATION

Lake Name: Muskeg Lake #1B Survey Date: 7/24/01

IDFG Catalog #: 71043B Primary Drainage: MFk Salmon River

Secondary Drainage: Muskeg/Soldier Creeks County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 641878 UTM North: 4933657

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Dry pond. Muskeg 1A was dry, also.

Table 126. Alpine lake survey of Muskeg Lake #2.

LAKE LOCATION

Lake Name: Muskeg Lake #2 Survey Date: 7/24/01

IDFG Catalog #: 71045 Primary Drainage: MFk Salmon River

Secondary Drainage: Muskeg Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 642580 UTM North: 4933576

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 5 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	33

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Max. depth is approximately 7 feet. Outlet is dry. Little use even though on trail. No fish present.

Table 127. Alpine lake survey of Muskeg Lake #3.

LAKE LOCATION

Lake Name: Muskeg Lake #3 Survey Date: 7/24/01

IDFG Catalog #: 71046 Primary Drainage: MFk Salmon River

Secondary Drainage: Muskeg/Soldier Creeks County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 641493 UTM North: 4933252

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	3

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Probably 15' max depth. Inlet is dry. If stocked in past continue at light level. Fairly shallow on most of lake. Appears fishless but could be supporting a few unseen fish - nothing observed cruising or rising.

Table 128. Alpine lake survey of Muskeg Lake #3A.

LAKE LOCATION

Lake Name: Muskeg Lake #3A Survey Date: 7/24/01

IDFG Catalog #: 71046A Primary Drainage: MFk Salmon River

Secondary Drainage: Muskeg/Soldier Creeks County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 640923 UTM North: 4933292

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
	Western Chorus Frog	0	Western Chorus Frog	0
	Spotted Frog	0	Spotted Frog	0
Search Time (hrs.min) 0	Pacific Chorus Frog	0	Pacific Chorus Frog	0
	Tailed Frog	0	Tailed Frog	0
	Western Toad	0	Western Toad	0
	Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Dry - shows on map but not present. Inlet & outlet both dry.

Table 129. Alpine lake survey of NF Hat.

LAKE LOCATION

Lake Name: NF Hat Survey Date: 6/26/01

IDFG Catalog #: 71285 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres:

UTM East: 722300 UTM North: 4973950

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Iron Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 0.67 # Fish Caught: 5 Fish/Hr: 7.5

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	1	0	0	0	0	0
150-199mm	0	2	0	0	0	0	0
200-249mm	0	1	0	0	0	0	0
250-299mm	0	1	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Fish in normal condition. Good spawning in outlet. Observed 30+ spawners in outlet.

Table 130. Alpine lake survey of NF Hat #A.

LAKE LOCATION

Lake Name: NF Hat #A Survey Date: 6/26/01

IDFG Catalog #: 71285A Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres:

UTM East: 721691 UTM North: 4976285

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow lake - <4 feet max. 50% shoreline rock. Do not stock.

Table 131. Alpine lake survey of NF Hat #B.

LAKE LOCATION

Lake Name: NF Hat #B Survey Date: 6/26/01

IDFG Catalog #: 71285B Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres:

UTM East: 721786 UTM North: 4973788

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Iron Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Amphibian pond classification. No fish. Timber vegetation around pond. <10' deep. 1/3 had rocky shoreline. Do not stock. Too shallow in spots.

Table 132. Alpine lake survey of NF Hat #C.

LAKE LOCATION

Lake Name: NF Hat #C Survey Date: 6/26/01

IDFG Catalog #: 71285 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: NF Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres:

UTM East: 721156 UTM North: 4974739

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Iron Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	1	Spotted Frog	40
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

No fish, do not stock. Grass across entire pond. Amphibian pond, shallow & silty.

Table 133. Alpine lake survey of NF Hat #D.

LAKE LOCATION

Lake Name: NF Hat #D Survey Date: 6/26/01

IDFG Catalog #: 71285 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: NF Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres:

UTM East: 720950 UTM North: 4974590

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Grassed over, no pond - only wetland. No fish.

Table 134. Alpine lake survey of NF Hat #E.

LAKE LOCATION

Lake Name: NF Hat #E Survey Date: 6/26/01

IDFG Catalog #: 71285 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres:

UTM East: 720882 UTM North: 4974077

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

12 foot max. Too shallow for fish. No amphibians.

Table 135. Alpine lake survey of NF Hat #F.

LAKE LOCATION

Lake Name: NF Hat #F Survey Date: 6/26/01

IDFG Catalog #: 71285F Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: Hat Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Salmon Elevation (ft):

Section: Township: Range Acres: 1.5

UTM East: 720723 UTM North: 4974106

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	1

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Max depth is 4 feet. Spotted one definite juvenile salamander.

Table 136. Alpine lake survey of NF Little Timber #B.

LAKE LOCATION

Lake Name: NF Little Timber #B Survey Date: 8/11/01

IDFG Catalog #: 71266A Primary Drainage: Lemhi River

Secondary Drainage: County: Lemhi

Land Area: Lemhi USFS Ranger Dist: Elevation (ft): 9374

Section: Township: Range Acres:

UTM East: 298210 UTM North: 4938861

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Game trail

Trampled: No Access Good (mi): 0 Access Poor (mi): 1

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
	Western Chorus Frog	0	Western Chorus Frog	0
	Spotted Frog	0	Spotted Frog	0
Search Time (hrs.min) 0.5	Pacific Chorus Frog	0	Pacific Chorus Frog	0
	Tailed Frog	0	Tailed Frog	0
	Western Toad	0	Western Toad	0
	Long Toed Salamander	7	Long Toed Salamander	22

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Very shallow inlet - very small amount of water coming in as well as going out. All amphibians found in rocky area at east end of lake.

Table 137. Alpine lake survey of NF Little Timber #C.

LAKE LOCATION

Lake Name: NF Little Timber #C Survey Date: 8/11/01

IDFG Catalog #: 71266B Primary Drainage: Lemhi River

Secondary Drainage: County: Lemhi

Land Area: Lemhi USFS Ranger Dist: Elevation (ft): 9340

Section: Township: Range Acres:

UTM East: 298212 UTM North: 4938748

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: Access Good (mi): 0 Access Poor (mi): 1

Access X-Country (mi): 0 Trailhead Loc: Eight Mile

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.5

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	15

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

No adults - no water coming in, no water going out. Very shallow - no fish. Only 2 logs in lake, both too large to pickup - juv. found under rocks! Drains into NF of Little Timber.

Table 138. Alpine lake survey of Opal Lake.

LAKE LOCATION

Lake Name: Opal Lake Survey Date: 6/30/01

IDFG Catalog #: 71208 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: Panther Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Cobalt Elevation (ft): 7574

Section: Township: Range Acres: 5

UTM East: 714988 UTM North: 4974969

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: Yes Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Opal Road

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.2 # Fish Caught: 4 Fish/Hr: 20

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	2	0	0	0
200-249mm	0	0	0	2	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Appears to have earthquake formed dam. No surface outlet. Down 8 feet from high water mark. Complete rocky shoreline. Bulltrout only - landlocked population. Skinny fish. Good spawning in inlet.

Table 139. Alpine lake survey of Patterson #1.

LAKE LOCATION

Lake Name: Patterson #1 Survey Date: 7/21/01

IDFG Catalog #: 71258 Primary Drainage: Pahsimeroi River

Secondary Drainage: Patterson Cr. County: Lemhi

Land Area: Lemhi USFS Ranger Dist: Leadore Elevation (ft):

Section: Township: Range Acres:

UTM East: 0 UTM North: 0

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake:

Trampled: Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
	Western Chorus Frog	0	Western Chorus Frog	0
	Spotted Frog	0	Spotted Frog	0
Search Time (hrs.min) 0	Pacific Chorus Frog	0	Pacific Chorus Frog	0
	Tailed Frog	0	Tailed Frog	0
	Western Toad	0	Western Toad	0
	Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lake does not exist. Rock slide where lake used to be.

Table 140. Alpine lake survey of Patterson #2.

LAKE LOCATION

Lake Name: Patterson #2 Survey Date: 7/21/01

IDFG Catalog #: 71259 Primary Drainage: Pahsimeroi River

Secondary Drainage: Patterson Cr. County: Lemhi

Land Area: Lemhi USFS Ranger Dist: Leadore Elevation (ft):

Section: Township: Range Acres:

UTM East: 0 UTM North: 0

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc: Mill Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 0.3 # Fish Caught: 6 Fish/Hr: 20

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	4	0	0	0	0	0
300-349mm	0	2	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Stock low density. Lake about 4 feet low. High water outlet only. Rocky shoreline.

Table 141. Alpine lake survey of Pony Lake.

LAKE LOCATION

Lake Name: Pony Lake Survey Date: 6/30/01

IDFG Catalog #: 71204 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: Napias Cr. County: Lemhi

Land Area: Salmon USFS Ranger Dist: Cobalt Elevation (ft): 6762

Section: Township: Range Acres:

UTM East: 726905 UTM North: 5007448

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Search Time (hrs.min) 0	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Not a natural lake. Old clay dam with what appears to be a wooden outlet culvert. Brown water - high turbidity. Do not stock.

Table 142. Alpine lake survey of Reynolds Creek Lake #1.

LAKE LOCATION

Lake Name: Reynolds Creek Lake #1 Survey Date: 8/15/01

IDFG Catalog #: 70570 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft): 7731

Section: Township: Range Acres:

UTM East: 689075 UTM North: 5045142

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	2	Spotted Frog	0	
Search Time (hrs.min) 0.08	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: Yes Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Observed few fish cruising or rising. Inlet & outlet were dry.

Table 143. Alpine lake survey of Reynolds Lake #1.

LAKE LOCATION

Lake Name: Reynolds Lake #1 Survey Date: 8/14/01

IDFG Catalog #: 70570 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 691174 UTM North: 5045901

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	75	Spotted Frog	200
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	24

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Excellent amphibian pond. Outlet dry.

Table 144. Alpine lake survey of Reynolds Lake #1A.

LAKE LOCATION

Lake Name: Reynolds Lake #1A Survey Date: 8/14/01

IDFG Catalog #: 70570A Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 691465 UTM North: 5046485

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	5	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

No fish observed - SSE was very deep and suspect fish present - continue stocking. Outlet was dry.

Table 145. Alpine lake survey of Reynolds Lake #1B.

LAKE LOCATION

Lake Name: Reynolds Lake #1B Survey Date: 8/14/01

IDFG Catalog #: 70570B Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 691977 UTM North: 5046968

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Reynolds

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	15	Spotted Frog	35
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.25 # Fish Caught: 5 Fish/Hr: 20

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	4	0	0	0	0	0
200-249mm	0	1	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Fish fairly skinny even though productive - overpopulated. Tons of amphibian habitat.

Table 146. Alpine lake survey of Reynolds Lake #4.

LAKE LOCATION

Lake Name: Reynolds Lake #4 Survey Date: 8/14/01

IDFG Catalog #: 70578 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: Reynolds/Horse Creeks County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft): 7523

Section: Township: Range Acres:

UTM East: 691724 UTM North: 5047562

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Complete

Trampled: Yes Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Divide Road

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	27	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.25 # Fish Caught: 1 Fish/Hr: 4

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	1	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Froggy/boggy shoreline - wet grass directly into deep water & lots of wood. This is one of the highest adult frog densities seen on a lake with fish. Excellent body condition on large fish. Observed 3 100-149mm and 1 150-199mm cutthroats.

Table 147. Alpine lake survey of Sawtooth #1.

LAKE LOCATION

Lake Name: Sawtooth #1 Survey Date: 7/11/01

IDFG Catalog #: 71549 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Iron Creek County: Custer

Land Area: SWA USFS Ranger Dist: Sawtooth Elevation (ft): 8422

Section: Township: Range Acres:

UTM East: 654896 UTM North: 4893411

LAKE USE

Campsites: 4 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: Yes Access Good (mi): 5 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 0.9 # Fish Caught: 10 Fish/Hr: 11

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	2
100-149mm	0	0	0	0	0	0	3
150-199mm	0	0	0	0	0	0	4
200-249mm	0	0	0	0	0	0	1
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Abundant skinny brook trout. Sunapee appear not to hybridize. Caught 4 sunapee.

Table 148. Alpine lake survey of Sawtooth #1A.

LAKE LOCATION

Lake Name: Sawtooth #1A Survey Date: 7/11/01

IDFG Catalog #: 71549A Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Iron Creek County: Custer

Land Area: SWA USFS Ranger Dist: Sawtooth Elevation (ft): 8489

Section: Township: Range Acres:

UTM East: 655272 UTM North: 4892043

LAKE USE

Campsites: 1Campsite Impact Rating: Low Trail Around Lake: None

Trampled: No Access Good (mi): 6 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn):0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Quite shallow except for a few spots. Maybe fish present but did not observe.

Table 149. Alpine lake survey of Sawtooth #2.

LAKE LOCATION

Lake Name: Sawtooth #2 Survey Date: 7/11/01

IDFG Catalog #: 71550 Primary Drainage: Main Salmon (Yankee Fk - Headwaters)

Secondary Drainage: Iron Creek County: Custer

Land Area: SWA USFS Ranger Dist: Sawtooth Elevation (ft):

Section: Township: Range Acres:

UTM East: 654929 UTM North: 4893464

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: Yes Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Iron Creek

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 2 Hrs Fished: 0.3 # Fish Caught: 5 Fish/Hr: 17

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	2
100-149mm	0	0	0	0	0	0	2
150-199mm	0	0	0	0	0	0	1
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Abundant, skinny brook trout.

Table 150. Alpine lake survey of Scoop Lake.

LAKE LOCATION

Lake Name: Scoop Lake Survey Date: 8/18/01

IDFG Catalog #: 71403 Primary Drainage: EFk Salmon River

Secondary Drainage: Little Boulder County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft): 9643

Section: Township: Range Acres: 24

UTM East: 0 UTM North: 0

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: No Access Good (mi): 13 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Livingston Mill

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 2

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 1 # Fish Caught: 6 Fish/Hr: 6

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	1	0	0	0	0	0	0
150-199mm	2	0	0	0	0	0	0
200-249mm	3	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Lots of stunted rainbow, very skinny. Observed fry in outlet approx 1" long. Largest fish was 8".

Table 151. Alpine lake survey of SF Moyer Lake.

LAKE LOCATION

Lake Name: SF Moyer Lake Survey Date: 6/26/01

IDFG Catalog #: 71205 Primary Drainage: Main Salmon (Lemhi - Pahsimeroi)

Secondary Drainage: County: Lemhi

Land Area: Salmon USFS Ranger Dist: Cobalt Elevation (ft):

Section: Township: Range Acres:

UTM East: 718841 UTM North: 4973612

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Partial

Trampled: No Access Good (mi): 2 Access Poor (mi): 0

Access X-Country (mi): 2 Trailhead Loc: Iron Lake

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Search Time (hrs.min) 0.42	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 3 Fish/Hr: 6

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	2	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	1	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Many wetlands above lake. Suspect amphibians present. Saw 14" cruising. Fine for fish - continue stocking light to moderate.

Table 152. Alpine lake survey of Shallow.

LAKE LOCATION

Lake Name: Shallow Survey Date: 8/18/01

IDFG Catalog #: 71399 Primary Drainage: EFk Salmon River

Secondary Drainage: Little Boulder County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft):

Section: Township: Range Acres: 100

UTM East: 0 UTM North: 0

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: No Access Good (mi): 12 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Livingston Mill

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Search Time (hrs.min) 0	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 3 Fish/Hr: 6

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	3	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Connected to Hourglass & Hidden. All data on Hummel, Hourglass & Hidden was entered on the same data sheet. So data is combined for all 3.

Table 153. Alpine lake survey of Shelf.

LAKE LOCATION

Lake Name: Shelf Survey Date: 8/18/01

IDFG Catalog #: 71393 Primary Drainage: EFk Salmon River

Secondary Drainage: Little Boulder County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft): 8939

Section: Township: Range Acres: 20

UTM East: 0 UTM North: 0

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 10 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Livingston Mill

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Search Time (hrs.min) 0	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 2 Fish/Hr: 4

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	1	0	0	0	0	0	0
150-199mm	1	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Ample spawning area for rainbows, stunted population.

Table 154. Alpine lake survey of Slide Rock.

LAKE LOCATION

Lake Name: Slide Rock Survey Date: 8/18/01

IDFG Catalog #: 71395 Primary Drainage: EFk Salmon River

Secondary Drainage: Little Boulder County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft): 8978

Section: Township: Range Acres: 12

UTM East: 0 UTM North: 0

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 11 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Livingston Mill/Big Boulder

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.5

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 1 # Fish Caught: 4 Fish/Hr: 4

Fish Abundance: High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	2	0	0	0	0	0	0
150-199mm	2	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Spawning area adequate for self sustaining small fish.

Table 155. Alpine lake survey of Soldier Lake #1.

LAKE LOCATION

Lake Name: Soldier Lake #1 Survey Date: 7/24/01

IDFG Catalog #: 71047 Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 642591 UTM North: 4932541

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 3 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.33

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	10	Spotted Frog	20
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	4	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.58 # Fish Caught: 1 Fish/Hr: 1.7

Fish Abundance: Moderate Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	1	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Check past stocking records - if not stocked consider leaving as natural. Found 4" & 14" cutthroat cruising. Fish condition awesome.

Table 156. Alpine lake survey of Soldier Lake #10.

LAKE LOCATION

Lake Name: Soldier Lake #10 Survey Date: 7/25/01

IDFG Catalog #: 71059 Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier Creek/Soldier #9 County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 7982

Section: Township: Range Acres: 5

UTM East: 642011 UTM North: 4932322

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 5 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.5

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: Yes Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	27	0	0	0	0	0
150-199mm	0	28	0	0	0	0	0
200-249mm	0	6	0	0	0	0	0
250-299mm	0	2	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

May be fish movement from Soldier #9 at high flow. Observed many cutthroat.

Table 157. Alpine lake survey of Soldier Lake #11A.

LAKE LOCATION

Lake Name: Soldier Lake #11A Survey Date: 7/25/01

IDFG Catalog #: 71060A Primary Drainage: MFk Salmon River

Secondary Drainage: High flow drains to Soldier #11 County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8024

Section: Township: Range Acres: .5

UTM East: 642884 UTM North: 4932557

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	1	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	53

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Sump lake down 5-8 feet. 2 feet of water left in lake.

Table 158. Alpine lake survey of Soldier Lake #2.

LAKE LOCATION

Lake Name: Soldier Lake #2 Survey Date: 7/24/01

IDFG Catalog #: 71048 Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 642884 UTM North: 4933046

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.67

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: Yes Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Very low density of fish - only saw one 3" fish rise. Observed another rise. Marginal amphibian habitat but some present.

Table 159. Alpine lake survey of Soldier Lake #2A.

LAKE LOCATION

Lake Name: Soldier Lake #2A Survey Date: 7/24/01

IDFG Catalog #: 71048A Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres: 1-2

UTM East: 642482 UTM North: 4933088

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Search Time (hrs.min) 0.33	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	35	

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Quite turbid. Fair amount of amphibian habitat. Many invertibrate.

Table 160. Alpine lake survey of Soldier Lake #2B.

LAKE LOCATION

Lake Name: Soldier Lake #2B Survey Date: 7/24/01

IDFG Catalog #: 71048B Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 642371 UTM North: 4932986

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.25

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Max depth 3 feet - many invertibrates. No amphibians present - marginal habitat.

Table 161. Alpine lake survey of Soldier Lake #3.

LAKE LOCATION

Lake Name: Soldier Lake #3 Survey Date: 7/25/01

IDFG Catalog #: 71049 Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8170

Section: Township: Range Acres:

UTM East: 643850 UTM North: 4931890

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Pacific Chorus Frog	0	Pacific Chorus Frog	0	
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	1	

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow - <8 feet. Ducks on water.

Table 162. Alpine lake survey of Soldier Lake #3A.

LAKE LOCATION

Lake Name: Soldier Lake #3A Survey Date: 7/25/01

IDFG Catalog #: 71049A Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 643750 UTM North: 4931800

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.08

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

<2 feet deep - may dry up this year. Duck on pond.

Table 163. Alpine lake survey of Soldier Lake #3B.

LAKE LOCATION

Lake Name: Soldier Lake #3B Survey Date: 7/25/01

IDFG Catalog #: 71049B Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 644375 UTM North: 4932300

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	1	Long Toed Salamander	1

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow - <4 feet. Frog pond, excellent amphibian habitat.

Table 164. Alpine lake survey of Soldier Lake #3C.

LAKE LOCATION

Lake Name: Soldier Lake #3C Survey Date: 7/24/01

IDFG Catalog #: 71049 Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier 3B County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres: 1

UTM East: 644598 UTM North: 4931945

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake:

Trampled: Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Search Time (hrs.min) 0	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Very marshy, too shallow.

Table 165. Alpine lake survey of Soldier Lake #4.

LAKE LOCATION

Lake Name: Soldier Lake #4 Survey Date: 7/25/01

IDFG Catalog #: 71050 Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 7810

Section: Township: Range Acres:

UTM East: 643550 UTM North: 4932150

LAKE USE

Campsites: 4 Campsite Impact Rating: Low Trail Around Lake: Complete

Trampled: Yes Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: Yes Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	1	0	0	0	0	0
100-149mm	0	4	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	3	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Good inlet spawning stream. Fish slender to normal. Anglers caught fish 8-10". Outlet with woody debris.

Table 166. Alpine lake survey of Soldier Lake #5.

LAKE LOCATION

Lake Name: Soldier Lake #5 Survey Date: 7/25/01

IDFG Catalog #: 71053 Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 643450 UTM North: 4931625

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 1 Trailhead Loc:

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Search Time (hrs.min) 0.08	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	3	0	0	0	0	0
250-299mm	0	2	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow shoal areas but deep enough for fish. Continue low density stocking.

Table 167. Alpine lake survey of Soldier Lake #6.

LAKE LOCATION

Lake Name: Soldier Lake #6 Survey Date: 7/25/01

IDFG Catalog #: 71054 Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 643770 UTM North: 4931450

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
	Western Chorus Frog	0	Western Chorus Frog	0
	Spotted Frog	0	Spotted Frog	0
Search Time (hrs.min) 0.17	Pacific Chorus Frog	0	Pacific Chorus Frog	0
	Tailed Frog	0	Tailed Frog	0
	Western Toad	0	Western Toad	0
	Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Shallow - <4 feet. Very low outlet flow - <10 gpm.

Table 168. Alpine lake survey of Soldier Lake #7.

LAKE LOCATION

Lake Name: Soldier Lake #7 Survey Date: 7/24/01

IDFG Catalog #: 71055 Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier Creek County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8258

Section: Township: Range Acres: 4-5

UTM East: 643216 UTM North: 4932120

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: Yes Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.75

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	7	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	1	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.25 # Fish Caught: 4 Fish/Hr: 16

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	3	0	0	0	0	0
200-249mm	0	1	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Appears to be natural reproduction in inlet. Rather shallow but good spawning gravel. Observed 50+ cutthroat 5-10".

Table 169. Alpine lake survey of Soldier Lake #8.

LAKE LOCATION

Lake Name: Soldier Lake #8 Survey Date: 7/25/01

IDFG Catalog #: 71057 Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier #7 County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft): 8053

Section: Township: Range Acres: 20+

UTM East: 642910 UTM North: 4931825

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: Yes Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.83

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.25 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Boy scouts stated that they were catching 10-16" fish consistently in evening. Also, observed 50+ 4-5" fish.

Table 170. Alpine lake survey of Soldier Lake #9.

LAKE LOCATION

Lake Name: Soldier Lake #9 Survey Date: 7/25/01

IDFG Catalog #: 71058 Primary Drainage: MFk Salmon River

Secondary Drainage: Soldier #7 County: Custer

Land Area: Capehorn USFS Ranger Dist: Middle Fork Elevation (ft):

Section: Township: Range Acres: 3-4

UTM East: 643022 UTM North: 4932023

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: Complete

Trampled: No Access Good (mi): 4 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Josephus Lake

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	1	Spotted Frog	0	
Search Time (hrs.min) 0.75	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.25 # Fish Caught: 4 Fish/Hr: 16

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	2	0	0	0	0	0
150-199mm	0	2	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Some deep holes but typically shallow.

Table 171. Alpine lake survey of Swimm Lake.

LAKE LOCATION

Lake Name: Swimm Lake Survey Date: 7/6/01

IDFG Catalog #: 71467 Primary Drainage: Main Salmon (EFk - Yankee Fk)

Secondary Drainage: Warm Springs via Swimm County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 686599 UTM North: 4890639

LAKE USE

Campsites: 1 Campsite Impact Rating: Low Trail Around Lake: None

Trampled: No Access Good (mi): 7 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc: Fischer Cr.

AMPHIBIAN SURVEY DATA

	Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0	
Spotted Frog	0	Spotted Frog	0	
Search Time (hrs.min) 0.33	Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0	
Western Toad	0	Western Toad	0	
Long Toed Salamander	0	Long Toed Salamander	0	

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: No Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Very shallow - water still warm to the touch at 7:00AM. Lake level down approx. 18" & dropping. Suspect lake could support fish with consecutive average or above average water years. Outlet dry - sporadic flow for first half mile once it leaves lake.

Table 172. Alpine lake survey of West Horse Creek L#1.

LAKE LOCATION

Lake Name: West Horse Creek L#1 Survey Date: 8/16/01

IDFG Catalog #: 70563 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: Horse County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft): 7801

Section: Township: Range Acres:

UTM East: 673029 UTM North: 5039159

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: None

Trampled: No Access Good (mi): 15 Access Poor (mi): 0

Access X-Country (mi): 3 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	12	Spotted Frog	63
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.17 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: Very Low Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Just deep enough to support fish but so remote unlikely worth the effort. Observed snake near frogs.

Table 173. Alpine lake survey of WF Horse.

LAKE LOCATION

Lake Name: WF Horse Survey Date: 8/16/01

IDFG Catalog #: 70563 Primary Drainage: Main Salmon (MFk - NFk)

Secondary Drainage: West Horse County: Lemhi

Land Area: Divide USFS Ranger Dist: North Fork Elevation (ft):

Section: Township: Range Acres:

UTM East: 673292 UTM North: 5040723

LAKE USE

Campsites: 2 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: No Access Good (mi): 20 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.17

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	10	Spotted Frog	50
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	2	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 0 Hrs Fished: 0 # Fish Caught: 0 Fish/Hr: 0

Fish Abundance: N/A Fish Observed: Yes Gear: Visual

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	0	0	0	0	0	0	0
250-299mm	0	0	0	0	0	0	0
300-349mm	0	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Observed one fish - lake very shallow - moose pond. Surprised to see fish - check to see if stocked. Fry in inlet - inlet at least 300 meters long.

Table 174. Alpine lake survey of Willow.

LAKE LOCATION

Lake Name: Willow Survey Date: 8/17/01

IDFG Catalog #: 71388 Primary Drainage: EFk Salmon River

Secondary Drainage: Little Boulder Creek County: Custer

Land Area: White Clouds USFS Ranger Dist: Yankee Fork Elevation (ft): 8735

Section: Township: Range Acres: 8

UTM East: 695327 UTM North: 488292

LAKE USE

Campsites: 3 Campsite Impact Rating: Low Trail Around Lake: Intermittent

Trampled: Yes Access Good (mi): 9 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc: Livingston Mill/Big Boulder

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 1

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 0.5 # Fish Caught: 6 Fish/Hr: 12

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	0	0	0	0	0	0
150-199mm	0	0	0	0	0	0	0
200-249mm	1	0	0	0	0	0	0
250-299mm	2	0	0	0	1	0	0
300-349mm	2	0	0	0	0	0	0
350-399mm	0	0	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

Sedges 1/8 of shoreline. Two small intermittent inlets surrounded by alpine fir. Entire lake is shoal. Appears shallow, <15'. Lots of water exchange.

Table 175. Alpine lake survey of Yellow.

LAKE LOCATION

Lake Name: Yellow Survey Date: 8/11/01

IDFG Catalog #: 71262 Primary Drainage: Pahsimeroi River

Secondary Drainage: County: Lemhi

Land Area: Lemhi USFS Ranger Dist: Elevation (ft): 9560

Section: Township: Range Acres:

UTM East: 297902 UTM North: 4936789

LAKE USE

Campsites: 0 Campsite Impact Rating: None Trail Around Lake: Partial

Trampled: Yes Access Good (mi): 0 Access Poor (mi): 0

Access X-Country (mi): 0 Trailhead Loc:

AMPHIBIAN SURVEY DATA

Search Time (hrs.min) 0.5

Adults	#	Juveniles	#
Western Chorus Frog	0	Western Chorus Frog	0
Spotted Frog	0	Spotted Frog	0
Pacific Chorus Frog	0	Pacific Chorus Frog	0
Tailed Frog	0	Tailed Frog	0
Western Toad	0	Western Toad	0
Long Toed Salamander	0	Long Toed Salamander	0

FISHERY AND FISH POPULATIONS

Anglers: 1 Hrs Fished: 1.5 # Fish Caught: 15 Fish/Hr: 10

Fish Abundance: Very High Fish Observed: Yes Gear: Angling

Hrs Set (gn): 0

(Length

LENGTH	RBT RB	CU	GN	BL	CU	GR	EB
0-49mm:	0	0	0	0	0	0	0
50-99mm:	0	0	0	0	0	0	0
100-149mm	0	1	0	0	0	0	0
150-199mm	0	2	0	0	0	0	0
200-249mm	0	3	0	0	0	0	0
250-299mm	0	6	0	0	0	0	0
300-349mm	0	2	0	0	0	0	0
350-399mm	0	1	0	0	0	0	0
>399mm:	0	0	0	0	0	0	0

Comments:

There were 13 cutthroat caught and 2 rainbows? caught. All were marked in cutthroat column.

LITERATURE CITED

Bahls, P. 1991. Report of the High Lake Fisheries Project. Clearwater National Forest.

2001 ANNUAL PERFORMANCE REPORT

State of: Idaho

Program: Fisheries Management F-71-R-26

Project I: Surveys and Inventories

Subproject I-H: Salmon Region

Job: b

Title: Lowland Lakes Investigations

Contract Period: July 1. 2001 to June 30, 2002

ABSTRACT

We used gill nets to survey the fish communities in Mosquito Flats Reservoir on August 28, 2001. Rainbow trout *Oncorhynchus mykiss* comprised 98% of the catch followed by brook trout *Salvelinus fontinalis* (1 %) and bull trout *S. confluentus* (1 %).

The zooplankton community in Mosquito Flats Reservoir was sampled on August 28, 2001 to determine the status of zooplankton resources for fish forage. ZPR and ZQI estimates for the reservoir were 0.16 and 0.23, respectively. These data suggest that competition for food may be occurring and stocking should be adjusted accordingly.

The Williams Lake zooplankton community was sampled in August to determine the lake's potential in relation to fish yield. Zooplankton ZPR values ranged from 0.51 to 0.77 and zooplankton ZQI values ranged from 0.65 to 1.40. We found that zooplankton densities are not likely limiting fish yield in the lake. In March 2002, dissolved oxygen and temperature were sampled as part of an on-going citizens' water monitoring project. We found acceptable oxygen levels (5.0 ppm) to a depth of 2-3 meters and the lake was unstratified by temperature.

On June 12, 2001, the fish community in Yellowbelly Lake was surveyed using gill nets. Three species of fish were encountered during the survey; Brook trout, cutthroat trout *Oncorhynchus clarki* and sucker *Catostomus sp.* Brook trout comprised 57%, sucker 41%, and cutthroat trout 2% of the total catch, respectively.

On June 21 and 22, 2001 the fish community in Jimmy Smith Lake was surveyed with the two experimental mesh gill nets, one floating and one sinking. Rainbow trout made up 100% of the catch. The nets were fished a total of 16.5 diet hours and had a capture rate of 6.85 fish/h. Fish length data demonstrates multiple year classes are present in the lake.

On June 21 and 22, 2001, the fish community in Herd Lake was surveyed via gill nets. Rainbow trout made up 100% of the catch. The nets were fished a total of 32.6 diel hours and had a capture rate of 0.92 fish/h. Based on a review of data over time, it appears that year class strengths are variable.

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INTRODUCTION

Mosquito Flats Reservoir

Mosquito Flats Reservoir is located on Challis Creek 16.1 km west of Challis, Idaho, and stores 793 acre-feet of irrigation water. The reservoir was built in 1954 and is a popular fishery with local residents. The Idaho Department of Fish and Game (IDFG) has water rights to 28% of the storage, reserved as a minimum pool. This represents a 222 acre-foot pool with a surface area of approximately 8.5 hectares.

Williams Lake

Williams Lake, a mesotrophic lake, is located in north central Lemhi County at 1,600 m elevation. The lake has a surface area of 73 ha, maximum depth of 58 m, and mean depth of 23 m. The principle inflow is provided by Lake Creek, with some inflow originating from springs and intermittent streams. Rainbow trout *Oncorhynchus mykiss* and bull trout *Salvelinus confluentus* are the only fish species recorded from the lake. Although recently, file photos indicate redside shiner *Richardsonius balteatus* may have been present in the past.

Over the past few years, there has been a reduction in both fish survival and fish harvested from Williams Lake. We believe these reductions to be the result of low dissolved oxygen concentrations in the lake. For example, winter dissolved oxygen concentrations fall below 5.0 ppm within 2-4 m of the surface. In summer and winter, dissolved oxygen concentrations of 1.0 ppm occur as shallow as 8 m. These low dissolved oxygen levels are limiting the available fish habitat and therefore are limiting the fish production potential of the lake. Furthermore, these low oxygen levels have been responsible for past fish kills in Williams Lake. Poor water quality in the lake is caused by nutrient input from phosphorous, eroded sediments from the watershed and the leaching of human waste from private septic systems around the lake.

Yellowbelly Lake

Yellowbelly Lake, an oligotrophic lake, is located in southern Custer County at 690 m elevation. It has surface area of 82 ha with a maximum depth of 24.5 m and 8.42 km of shoreline. The principle inflow is provided by Yellowbelly Lake Creek. Eastern brook trout *Salvelinus fontinalis*, cutthroat trout *Oncorhynchus clarki lewisi*, and sucker *Catostomus sp.* are found in the lake. Yellowbelly Lake was renovated in 1991 in an effort to develop a westslope cutthroat trout *O. clarki lewisi* broodstock source for the state. Westslope cutthroat trout have been introduced but have not yet resulted in a successful broodstock source.

Jimmy Smith Lake

Jimmy Smith Lake is a landslide lake located in north central Custer County at 1,600 m elevation with a surface area of 26 ha. The lake has one outlet and two inlet streams. The outlet

stream is located at the north end of the lake. The two inlet streams are located at the west and south ends of the lake. These tributaries provide adequate spawning area. Jimmy Smith Lake is eutrophic and is subject to fish kills occasionally. Rainbow trout is the only fish species recorded from the lake.

Herd Lake

Herd Lake, a landslide lake, is located in Custer County at 7,176 m elevation. The surface area is 6.9 ha. It is a coldwater rainbow trout fishery under general management regulations. The principle inflow is provided by Herd Creek, a tributary to the East Fork Salmon River.

OBJECTIVES

To obtain current information for fishery management decisions on lowland lakes and reservoirs, including angler use, success, harvest and opinions, fish population characteristics, stocking success, return-to-the-creel for hatchery trout, limnology and develop appropriate management recommendations.

METHODS

Mosquito Flats Reservoir

Two experimental gill nets, one floating and one sinking, were deployed the evening of 8/28/01 and removed the next morning. Gill nets were set perpendicular to the shore. Captured fish were measured to the nearest mm in total length and released.

Zooplankton were sampled using methods outlined by Teuscher (1999). In the laboratory, zooplankton abundance and quality were analyzed using ZPR and ZQI methods developed by the Wyoming Game and Fish (Dan Yule, Wyoming Game and Fish, unpublished data) and Teuscher (1999).

Williams Lake

Zooplankton were sampled on August 13, 2001 using methods outlined by Teuscher, 1999. In the laboratory procedures, zooplankton abundance and quality was analyzed using ZPR and ZQI methods developed by the Wyoming Game and Fish (Dan Yule, Wyoming Game and Fish, unpublished data) and Teuscher (1999). Dissolved oxygen was monitored on March 6, 2002 with a YSI oxygen meter. Temperature was monitored with a YSI meter, then verified with a hand held thermometer.

Yellowbelly Lake

On June 12, 2001 four experimental gill nets (two sinking and two floating) were used to sample the fish community in Yellowbelly Lake. Project personnel set gill nets perpendicular to the shoreline with the large mesh end positioned towards the middle of the lake. Nets were set in the afternoon and pulled the next morning. Live fish were measured to the nearest mm in total length and released. Mortalities were retained and donated to the food bank in Challis, ID.

Jimmy Smith Lake

Two experimental mesh gill nets, one floating and one sinking, were deployed the evening of June 21, 2001 and removed the next morning. Gills nets were set perpendicular to the shore. Fish captured were weighed to the nearest gram (Appendix A), measured to the nearest mm in total length and identified.

Herd Lake

Two experimental gill nets, one floating and one sinking, were deployed the evening of June 21, 2001 and removed the next morning. The gill nets were set perpendicular to the shore. We set the sinking and floating gills nets at approximately 17:15 and 18:00 respectively and removed them the next day. Fish captured were weighed (Appendix B), measured to nearest mm and identified.

RESULTS AND DISCUSSION

Mosquito Flats Reservoir

The experimental floating gill net captured 100 rainbow trout and one brook trout. The net was fished a total of 14.5 diel hours and had a capture rate of 7.1 fish/h.

The experimental sinking gill net captured 14 rainbow trout and one bull trout. The net was fished a total of 13.5 diel hours and had a capture rate of 1.1 fish/h.

Three species of fish were identified from Mosquito Flats Reservoir. Rainbow trout comprised 98% of the total number of fish captured, followed by brook trout (1%) and bull trout (1%). The largest fish encountered were rainbow trout with a mean total length of 286 mm (median total length of 285 mm). Brook trout had a total length of 162 mm, while the bull trout demonstrated a total length of 230 mm.

Since 1992, the brook trout population has decreased while the rainbow trout population has increased (Figure 1). Mosquito Flats Reservoir is not being managed as a brook trout fishery but we are uncertain as to why the brook trout decline is occurring. Possible factors leading to the decline include water management of the reservoir and excessive summertime temperatures in recent years.

Currently, the IDFG is involved with improving the dam and water control structures at the reservoir. These efforts will lead to more stable minimum pool levels and better control of water withdrawal from the reservoir. Once accomplished, the fish community should stabilize.

Results from the zooplankton ZPR and ZQI indices were 0.16 and 0.23, respectively. These estimates suggest that competition for food resources may be occurring (Table 1). In 2001, fingerling releases were curtailed to determine if zooplankton numbers or size structure would increase accordingly. Given the ZPR and ZQI in 2000 of 0.06 and 0.01 respectively, the reduction in fingerling stocking may have caused the increase in ZPR and ZQI indices (Figure 2). A concurrent collection of weights and condition factors of sampled fish would have helped verify this conclusion. However, weight information was not collected so no comparison is available. In 2002, length and weight information will be collected for future comparisons. Future management will look at further stocking reductions and zooplankton monitoring to test response in zooplankton populations.

Williams Lake

Results from the zooplankton ZPR were 0.51 at the inlet, 0.66 at mid-lake and 0.77 at the dam. Results from the zooplankton ZQI were 0.65 at the inlet, 0.71 at mid-lake and 1.40 at the dam. These results suggest that competition for food is unlikely (Table 1). By comparison, 2000 results demonstrated ZPR and ZQI indices of 0.85 and 0.67 respectively. We will continue to monitor the zooplankton community. Dissolved oxygen and temperature monitoring demonstrated profiles similar to those of the last 10 years. This was verified again on March 6, 2002. These profiles indicate the lake to be stratified for dissolved oxygen. As in the recent past, oxygen levels hold above 5 ppm for 2 m and then decline with depth. The lake was stratified for oxygen but not for temperature (Tables 2-4). The long-term goal is water quality improvement and a stable fishery. Options include hypolimnetic withdrawal, solar-powered aerators and monitoring water quality parameters to track potential improvements following septic system upgrades. The IDFG is currently collaborating with the Idaho Department of Water Resources, Idaho State University and private landowners to develop a long-term strategy to improve the water quality in Williams Lake.

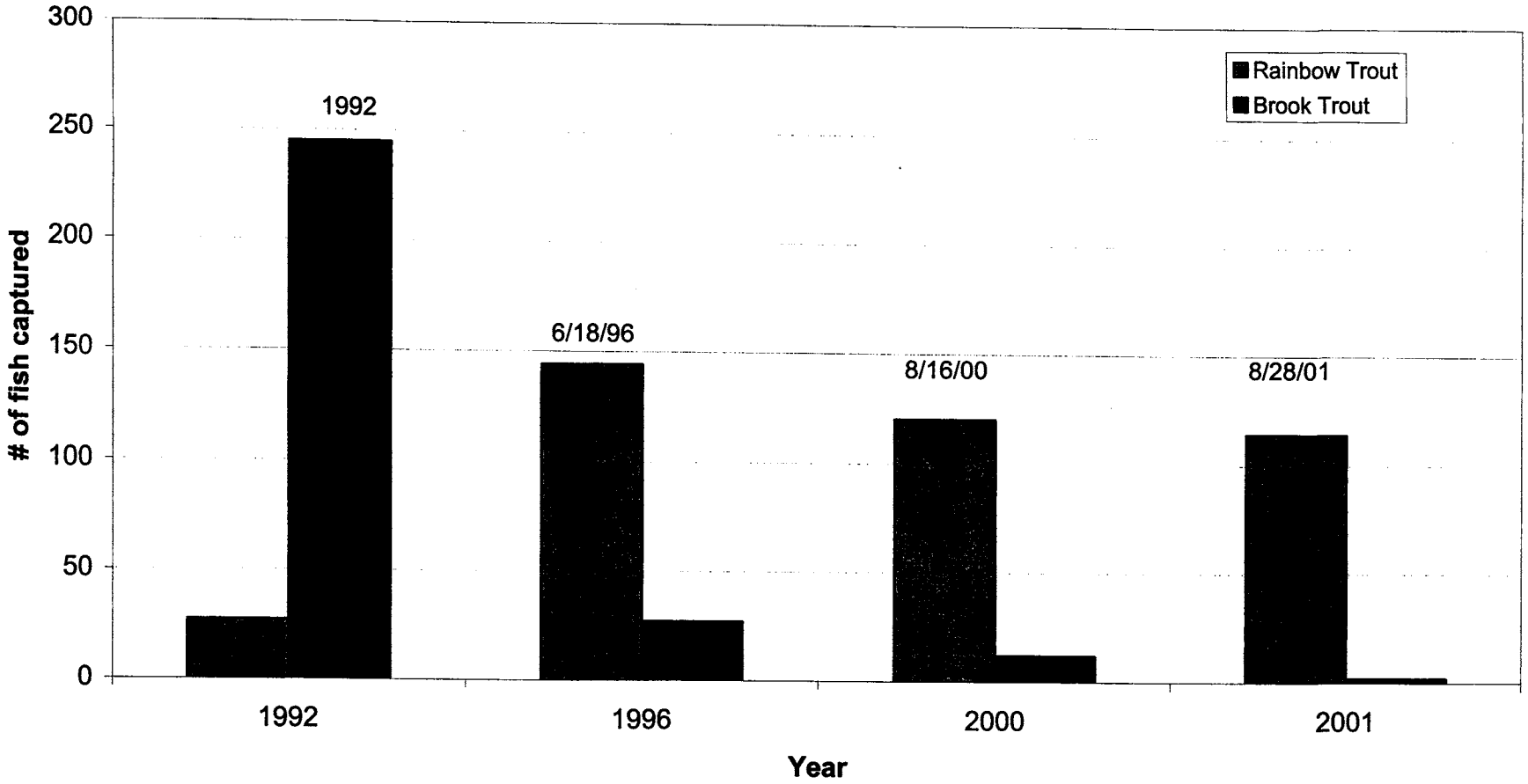

Figure 1. Number and species of fish captured from Mosquito Flats Reservoir, Idaho, during 1992, 1996, 2000 and 2001.

Table 1. Zooplankton ratio (ZPR) and zooplankton quality index (ZQI) from Teuscher (1999).

ZQI >0.60	Competition for food unlikely stock fingerlings from 150 to 300 per acre
0.60 >ZQI >0.10	Competition for food may be occurring stock fingerlings from 75 to 150 per acre
ZQI <0.10	Forage resources are limiting stock less than 75 fingerlings per acre or catchables

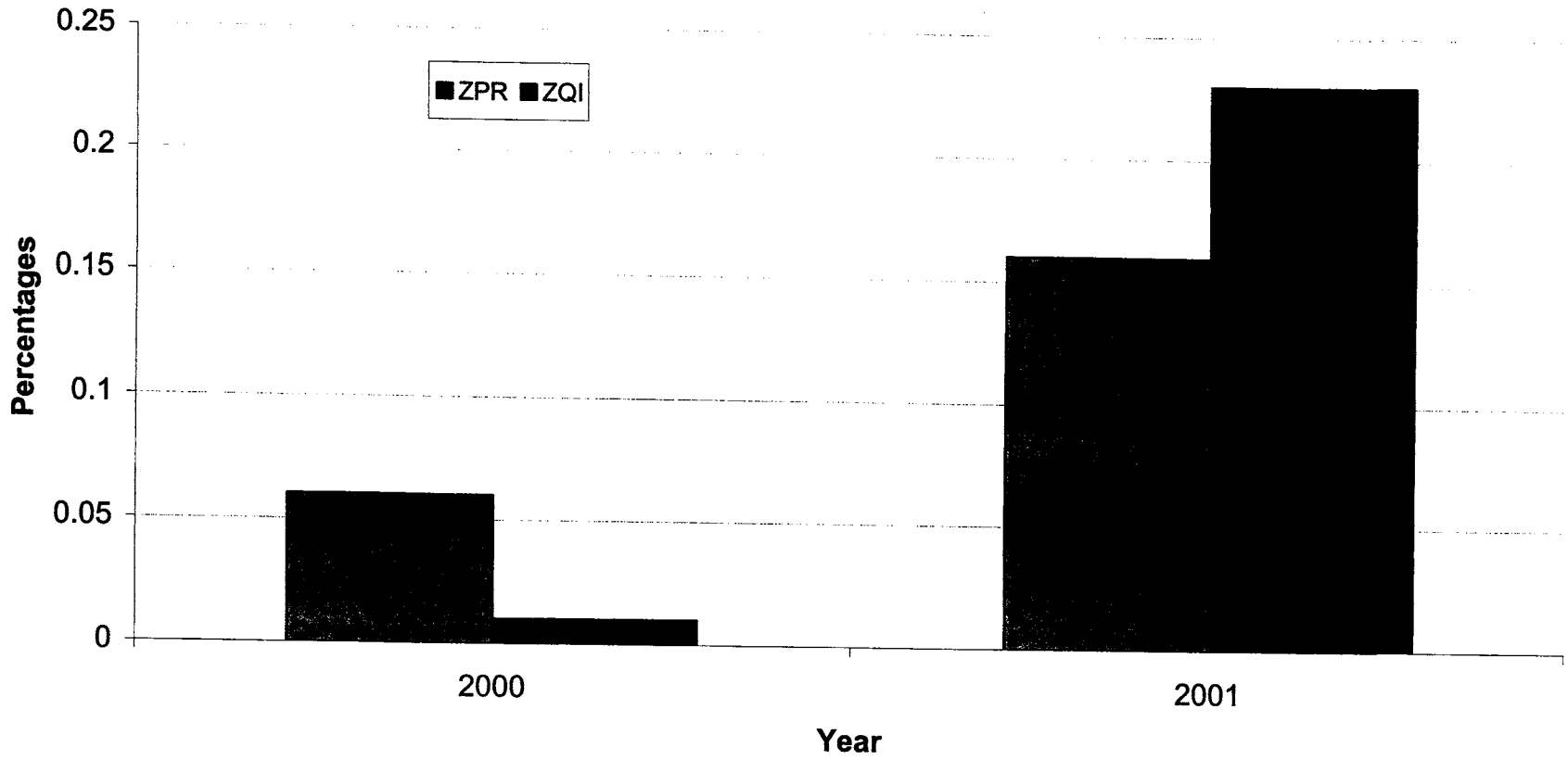

Figure 2. Zooplankton ZPR and ZQI Indices from Mosquito Flats Reservoir, Idaho, during 2000 and 2001.

Table 2. Dissolved oxygen and water temperature measurements for Williams Lake at inlet, March 6, 2002.

Lake depth (m)	Water temperature (°C)	Dissolved oxygen (ppm)
0	1.0	9.8
1		8.0
2	3.0	6.0
3		4.2
4	3.0	3.7
5		3.4
6		3.2
7	3.0	3.0
8		1.9
9		0.5
10	3.0	0.4

Table 3. Dissolved oxygen and water temperature measurements for Williams Lake at boat dock, March 6, 2002.

Lake depth (m)	Water temperature (°C)	Dissolved oxygen (ppm)
0	0	8.2
1	1.5	6.1
2	1.5	5.2
3	2.5	4.5
4	3.0	4.0
5	3.0	3.6
6	3.0	3.5
7	3.0	3.2
8	3.0	2.1

Table 4. Dissolved oxygen and water temperature measurements for Williams Lake at Zmax*, March 6, 2002.

Lake depth (m)	Water temperature (°C)	Dissolved oxygen (ppm)
0	3.0	8.2
1		8.0
2	2.9	5.0
3		3.8
4	2.9	3.6
5		3.4
6		3.4
7	2.9	2.8
8		1.0
9		0.4
10		0.2
20	4.0	0.15

* Zmax is deepest location in a body of water.

Yellowbelly Lake

The experimental floating gill nets captured 17 eastern brook trout, two sucker and one cutthroat trout. The nets were fished a total of 17.6 diel hours with a capture rate of 1.1 fish/h.

The experimental sinking gill nets captured 39 brook trout, 37 sucker and 1 cutthroat trout. The nets were also fished a total of 17.6 diel hours and had a capture rate of 4.4 fish/h.

Brook trout comprised 57% of the catch, sucker 41% and cutthroat trout 2% of the total catch for all nets combined. The largest fish encountered were a brook trout and a cutthroat trout at 475 mm. The mean total length for sucker was 314 mm, brook trout 266 mm, and cutthroat trout 270 mm (Figure 3).

Yellowbelly Lake appears to be providing a brook trout fishery. Harvest will be encouraged through angler contacts, 1-800-ASKFISH, and radio. Regional personnel will sample the lake and take weights along with lengths and otoliths to gain age and growth information. However, the lake is managed as a quality cutthroat fishery. As the adfluvial westslope cutthroat program at Hayspur Hatchery starts providing fish, a stocking scenario will be developed.

Jimmy Smith Lake

Data were only collected from the floating gill net. The sinking gill net was not properly deployed. We captured 113 rainbow trout during 16.5 gill net hours. Overall catch rates averaged 6.85 fish/h. Total lengths of the rainbow trout caught ranged 110-370 mm with an average of 203 mm. Length data demonstrates multiple year classes (Figure 4) and the occurrence of natural reproduction. Length frequency by centimeter size group and relative weight of rainbow trout collected by gill net are included in Appendix A. Weight data demonstrates all sizes to have actual weights greater than standard weights. On the day sampled, oxygen levels were within the desired range for salmonids (Table 5). A fish kill on or about August 4, 2000 may have resulted in the apparent reduction in fish greater than 200 mm. The lake is subject to occasional fish kills. It is believed that the size of fish in Jimmy Smith Lake is limited by an overabundance of fish. The fish kill observed in 2000 may have resulted in reducing the population to a level where fish growth was uninhibited during 2001. During winter 2001-2002, numerous angler reports indicated larger than normal fish were being harvested, suggesting that implementing population control measures may improve the fishery.

Herd Lake

We captured 30 fish during a total of 32.6 gill net hours. All captured fish were rainbow trout. Overall catch rates averaged 0.92 fish/h. Total lengths of the captured rainbow trout ranged in size from 95 to 280 mm with an average of 178.5 mm. Size structure of fish captured indicates a bimodal length frequency. Based on these data, multiple year classes exist in the lake and natural reproduction is occurring (Figure 5). Length frequency by centimeter size group and relative weight of rainbow trout collected by gill net are included in Appendix B.

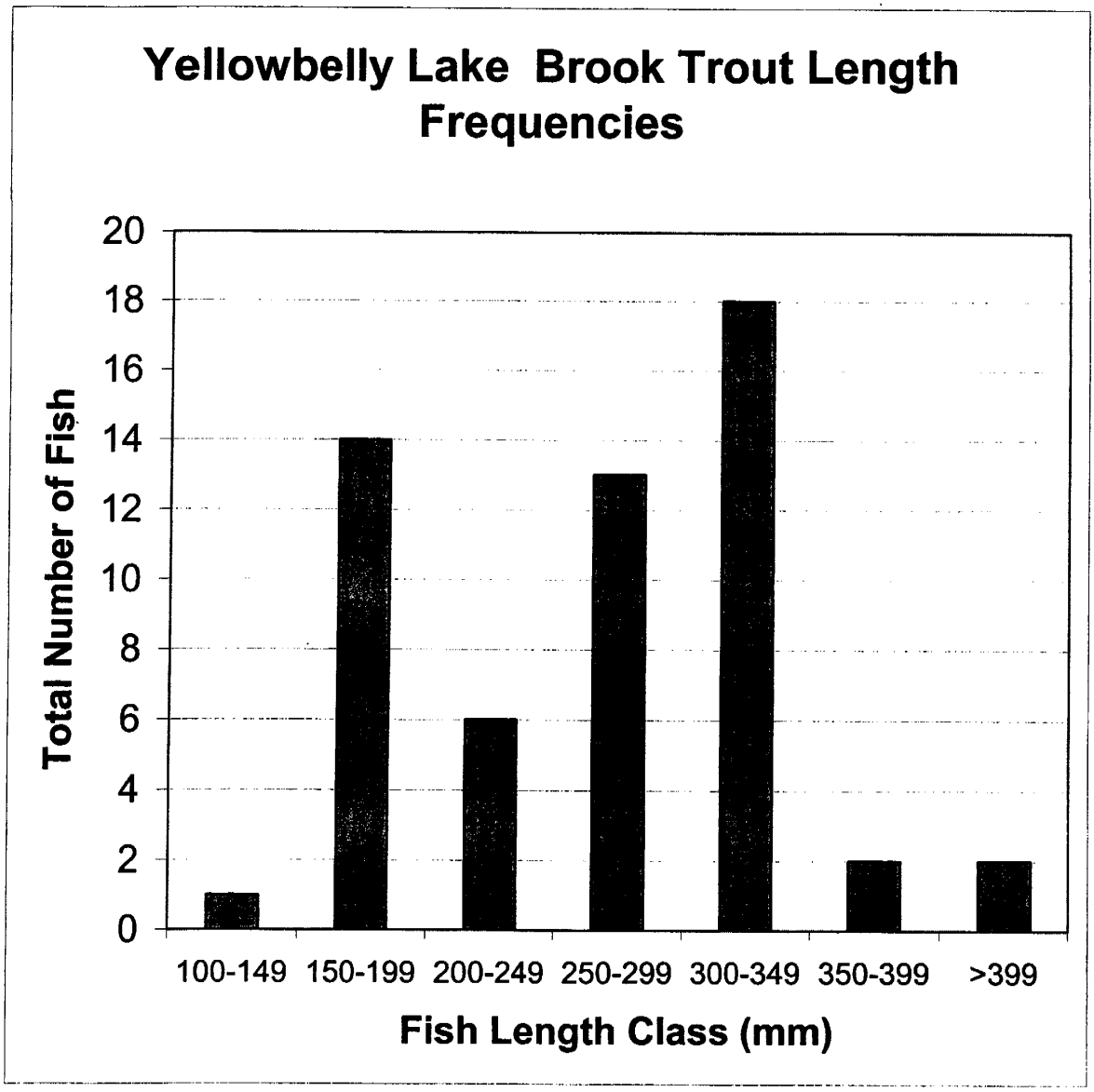

Figure 3. Length frequency of brook trout collected from Yellowbelly Lake, Idaho, 2001.

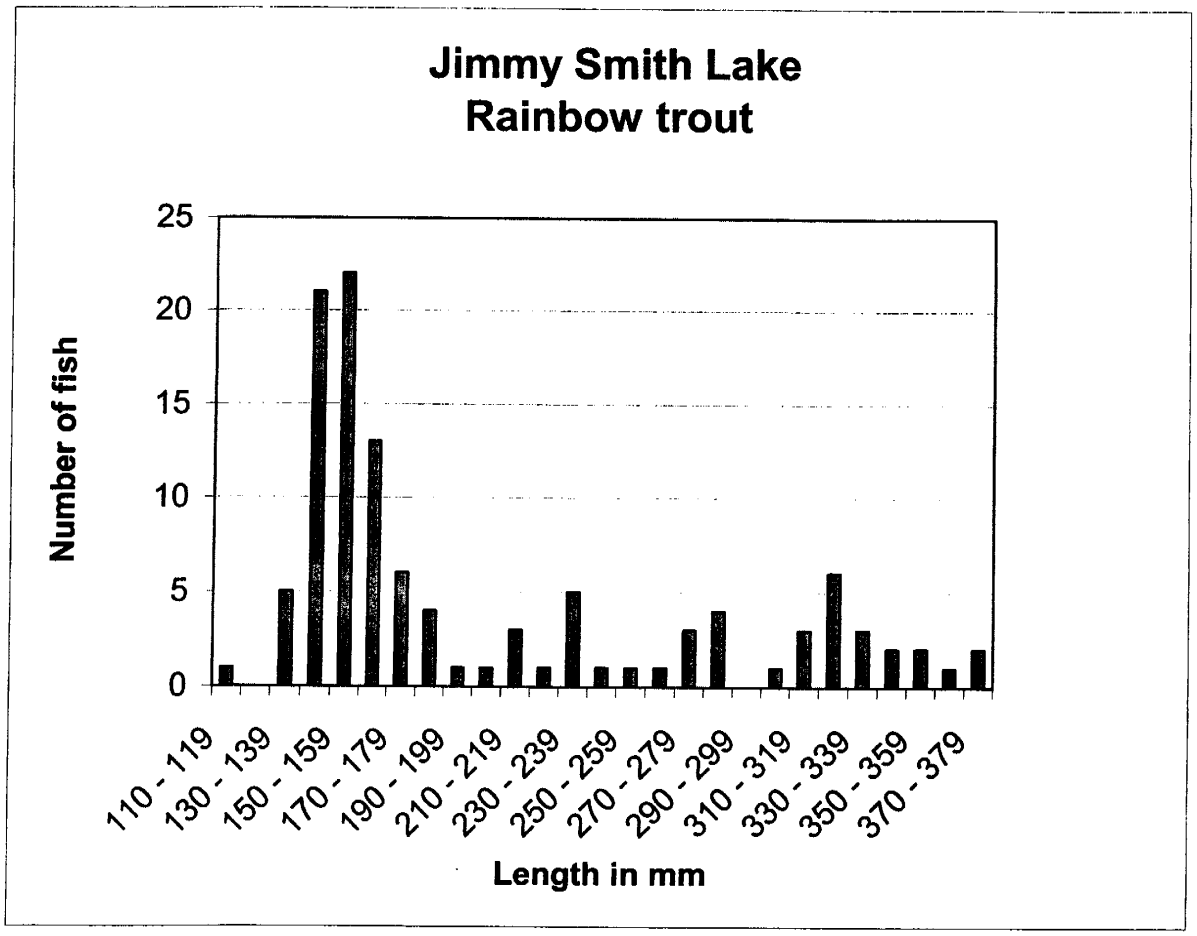

Figure 4. Length frequency of rainbow trout collected from Jimmy Smith Lake, Idaho, June 22, 2001.

Table 5. Water quality parameter recorded from Jimmy Smith Lake, Idaho, June 21, 2001.

Lake depth (m)	Water temperature (°C)	Dissolved oxygen (ppm)
1	20	7.0
2		7.5
3		7.0
4		7.0
5		5.0

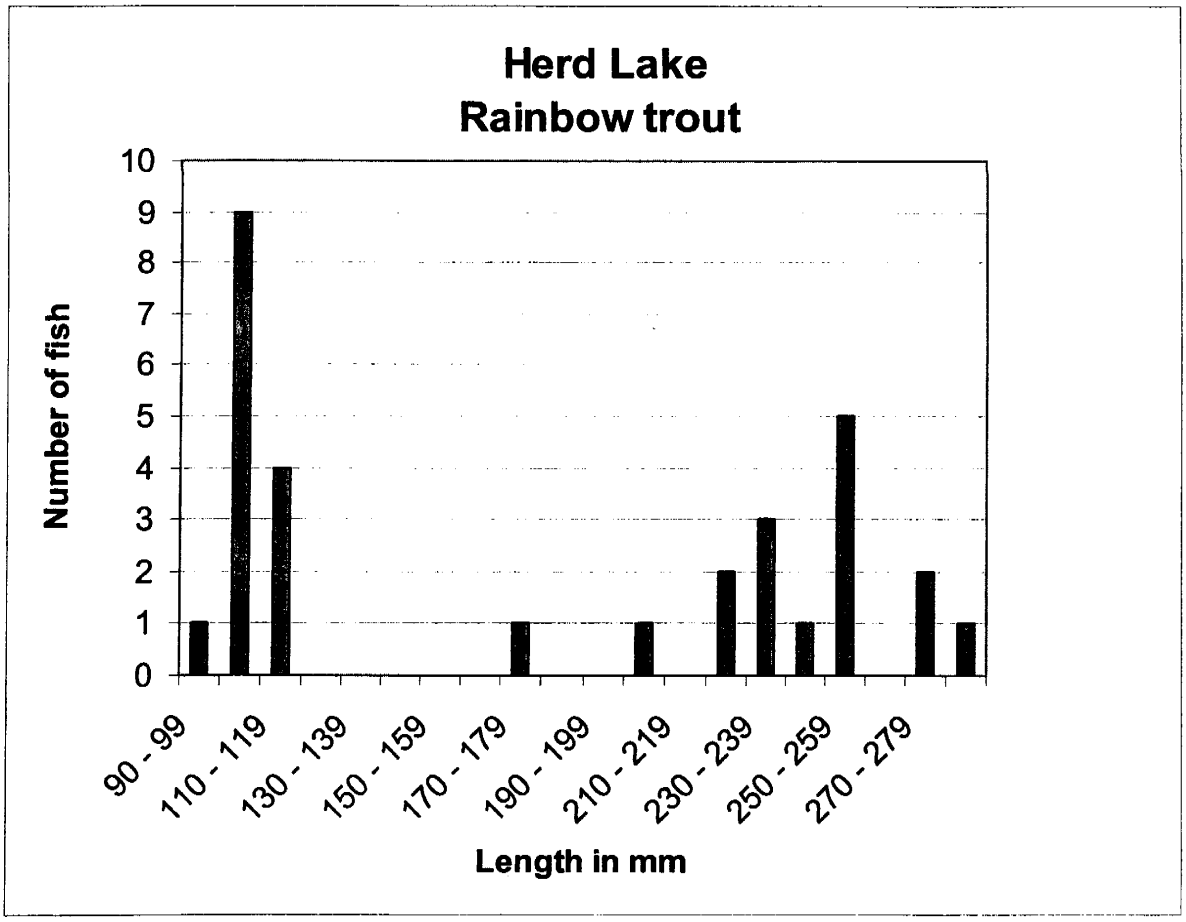

Figure 5. Length frequency of rainbow trout collected from Herd Lake, Idaho, June 22, 2001.

Weight data demonstrates all sizes to have actual weights greater than standard weights. Oxygen levels were within acceptable levels for salmonids (Table 6). A comparison of length frequency data over time (1994, 1996 and 2001) is unremarkable (Figures 6-7). The 2001 data demonstrates some gaps in length frequencies indicating variable survival similar to 1996. Fish size in Herd Lake, similar to Jimmy Smith Lake, is allegedly controlled by an overabundance of fish. Although oxygen levels were appropriate during the sample period, the IDFG regional office receives periodic reports of fish kills that may occasionally control population levels. Further evaluation of this fish population and water quality is justified to determine what factors may be limiting fish growth in the lake.

RECOMMENDATIONS

Mosquito Flats Reservoir

1. Assess condition factors of fish in Mosquito Flats Reservoir to determine if adjustments in fingerling stocking and corresponding ZPR and ZQI improvements translate to larger fish.

2. Continue remediation efforts on Mosquito Flats Dam to improve dam safety and to maintain a stable minimum pool.

Williams Lake

1. Continue collaboration with interested parties to develop a long-term strategy for improving water quality in Williams Lake.

2. Pursue the feasibility and/or impacts of limited sterile hybrid introductions into Williams Lake to determine if growth of the resident rainbow trout is generally limited or controlled by available forage.

Yellowbelly Lake

1. Encourage anglers to target and retain brook trout from Yellowbelly Lake.

2. Attempt to develop a successful adfluvial cutthroat trout population using Hayspur Hatchery's Conner Lake westslope cutthroat trout broodstock.

3. Sample Yellowbelly Lake to monitor the condition factor along with age and growth of all salmonids.

Table 6. Water quality parameter recorded from Herd Lake, Idaho, June 22, 2001.

Lake depth (m)	Water temperature (°C)	Dissolved oxygen (ppm)
1	15	5.9
2		5.7
3		5.5
4		4.6
5		1.8
6		0.2
7		0.1

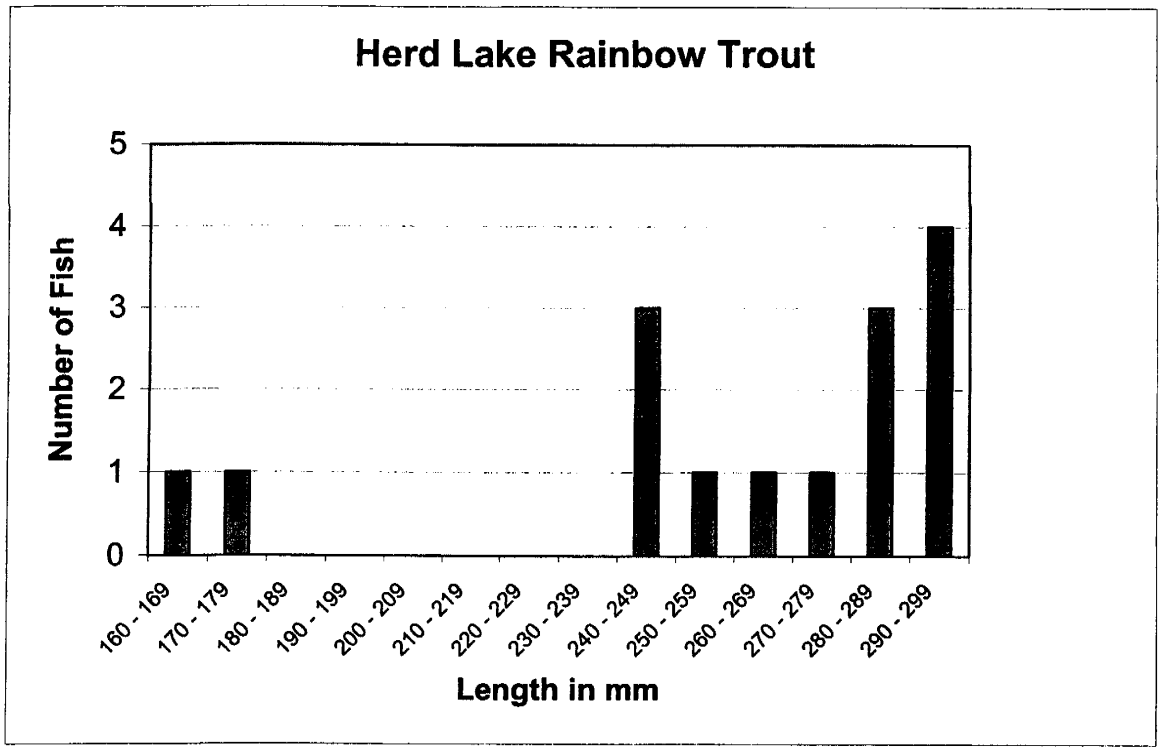

Figure 6. Length frequency of rainbow trout collected from Herd Lake, Idaho, 1996.

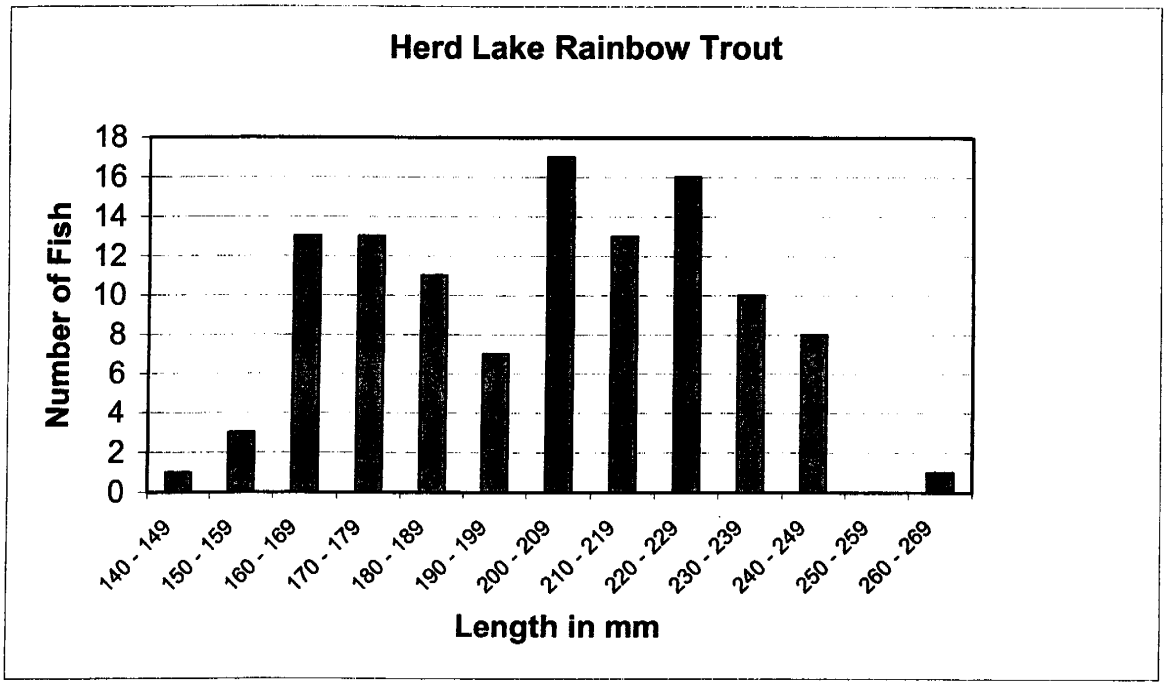

Figure 7. Length frequency of rainbow trout collected from Herd Lake, Idaho, 1994.

Jimmy Smith Lake

1. Resample Jimmy Smith Lake to monitor the condition factor of resident rainbow trout.

2. Explore opportunities for population control in the lake to improve the average size of fish.

3. Explore historic files on Jimmy Smith Lake to determine if changes in the fish population structure have occurred over time.

Herd Lake

1. Explore opportunities for population control in Herd Lake to improve the average size of fish.

2. Plan future water quality and zooplankton size structure sampling efforts to determine if these variables may be limiting the size structure of the fish population.

LITERATURE CITED

Teuscher, M.D. 1999. Hatchery trout evaluations. Idaho Department of Fish and Game, Federal Aid in Fish Restoration, F-73-R-21, Annual Progress Report, Boise.

APPENDICES

Appendix A. Number of fish collected by gillnetting and relative weight by size group of fish collected from Jimmy Smith Lake, August 29, 2001.

cm group	Number caught in gill nets	Weight (g)	Relative weight	Standard weight
11	1			
12	0			
13	5	35.4	134.7	26.3
14	21	46.3	142.1	32.6
15	22	54.4	136.5	39.9
16	13	59.0	122.5	48.2
17	6	68.0	118.2	57.5
18	4	86.2	126.6	68.1
19	1	99.8	125.0	79.8
20	1	90.7	97.7	92.8
21	3	131.5	122.6	107.2
22	1	167.8	136.4	123
23	5	217.7	155.2	140.3
24	1	181.4	114.0	159.2
25	1	272.2	151.5	179.6
26	1	317.5	157.3	201.8
27	3	326.6	144.7	225.7
28	4	304.0	120.9	251.5
29	0			
30	1	517.1	167.5	308.7
31	3	453.6	133.3	340.3
32	6	517.1	138.2	374.1
33	3	585.1	142.7	410.0
34	2	589.7	131.6	448.1
35	2	553.4	113.3	448.5
36	1	531.0	100.0	531.3
37	2	635.0	110.1	576.6

Appendix B. Number of fish collected by gillnetting and relative weight by size group of fish collected from Herd Lake, June 22, 2001.

cm group	Number caught in gill nets	Weight (g)	Relative weight	Standard weight
9	1	9.07		
10	9	13.60		
11	4	15.90		
17	1	63.50	110.36	57.40
20	1	113.40	122.14	92.84
22	2	131.50	106.89	123.03
23	3	158.80	113.17	140.32
24	1	195.00	122.52	159.16
25	5	206.80	115.13	179.63
27	2	274.40	121.57	225.71
28	1	290.30	115.45	251.45

2001 ANNUAL PERFORMANCE REPORT

State of: Idaho | Program: Fishery Management F-71-R-26

Project I: Surveys and Inventories | Subproject I-H: Salmon Region

Job: c | Title: Rivers and Streams Investigations

Contract Period: July 1, 2001 to June 30, 2002

ABSTRACT

Project personnel conducted rainbow trout *Oncorhynchus mykiss* spawning ground surveys on the Upper Lemhi River and Big Springs Creek (tributary to the Lemhi River) in 2001. The purpose of these surveys was to monitor trends in numbers of redds which may reflect benefits of fishing regulation changes and habitat improvement projects sponsored by the Upper Salmon Basin Watershed Project. We counted a total of 556 redds on April 25, 2001, an increase from 283 in 2001 and 306 in 2000.

During summer 2001, Idaho Department of Fish Game (IDFG), Bureau of Land Management, U.S. Forest Service, Department of Environmental Quality and Chadwick Consultants sampled 84 tributary streams of the upper Salmon River basin to determine fish species composition, relative abundance and size distribution. Rainbow trout ~~*Onchorynchus mykiss*~~ with total lengths ranging from 89 to 177 mm were found in 48% of the tributary streams surveyed. Westslope cutthroat trout O. *clarki lewisi* were found in 43% of the tributary streams surveyed and had total lengths ranging from 85 to of 345 mm. Bull trout *Salvelinus confluentus* were found in 30% of the streams surveyed and had total lengths ranging from 79 to 180 mm. Hybrid rainbow/cutthroat trout were found in 13% of the tributary streams surveyed. The following species were found in less than 20% of the surveyed streams: brook trout *S. fontinalis* (total lengths ranging from 103 to 172 mm) and juvenile Chinook salmon *O. tshawytscha* (total lengths ranging from 87 to 92 mm).

Since 1995, IDFG personnel have electrofished and removed 26,063 brook trout from Valley Creek to open habitat for native fishes. In 2001 no brook trout were removed. To reestablish native fishes, we have stocked 3,517 native bull trout, westslope cutthroat trout and rainbow trout/westslope cutthroat trout hybrids from adjacent watersheds. Additionally, we stocked 100,000 westslope cutthroat from the Montana broodstock.

Members of the Shoshone Bannock Indian tribes snorkeled Valley Creek and found that brook trout densities have declined substantially since we began reduction efforts. The last two seasons (2000 and 2001) have demonstrated an increase in numbers of native fish. Throughout the drainage, native fishes are present in low numbers in areas that previously contained only brook trout. We believe that it will take more time before significant increases in native fish populations are apparent.

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INTRODUCTION

Big Springs Creek

Since 1994, Idaho Department of Fish and Game (IDFG) has monitored the number of wild rainbow trout *Oncorhynchus mykiss* redds in the headwaters of the Lemhi River (Table 1) to track trends in numbers of redds observed. Theoretically, regulation changes, habitat projects and tributary reconnects should be reflected with fishery response.

Wild Trout Population Studies

During summer 2001, IDFG and the Salmon and Challis Resource Areas of the Bureau of Land Management (BLM), U.S. Forest Service (USFS), and Department of Environmental Quality (DEQ) cooperatively inventoried fish communities in tributary streams of the upper Salmon River basin. Additional data from Chadwick Consultants was included in this report. Accurate and current information is needed to effectively manage fish stocks, particularly since several endangered fish species (bull trout *Salvelinus confluentus*, chinook salmon *O. tschawytscha*, sockeye salmon *O. nerka*, and steelhead trout *O. mykiss*) are known to inhabit the upper Salmon River basin.

Valley Creek Brook Trout Reduction

The Idaho Department of Fish and Game (IDFG) is involved in numerous research and management projects to return to fishable levels those native fish stocks federally listed as threatened or endangered (or proposed for listing). The IDFG Salmon Region is attempting to reestablish native fishes into Valley Creek, in the Sawtooth Valley near Stanley, Idaho.

Native salmonid fishes of the Valley Creek drainage include chinook salmon, steelhead/rainbow trout, bull trout, westslope cutthroat trout *O. clarki lewisi* and mountain whitefish *Prosopium williamsoni*. The only known salmonids to be introduced in the watershed are brook trout *S. fontinalis* and lake trout *S. namaycush*. Lake trout are confined to Stanley Lake and have never been observed elsewhere in the basin.

We suspect that brook trout in both Valley Creek and other western watersheds may suppress the reestablishment of native fishes if numbers of native fishes have been driven below some threshold level. Habitat loss, historically liberal fishing regulations, and the introduction of brook trout have compromised native fish stocks in Valley Creek.

To help reestablish native fishes in Valley Creek the IDFG is reducing brook trout numbers. Complete removal of brook trout would be physically, and most likely, socially impossible to implement. The objectives are to restore native species and secondarily to increase the size of remaining brook trout, thus making them more appealing to anglers. Although brook trout are abundant in the watershed, anglers do not generally target the fish due to their small size.

Table 1. Number of resident rainbow trout redds counted in Big Springs Creek (BSC) and Lemhi River, 1994 through 2002.

Date	Lemhi River Beyeler Ranch[a]	BSC Neibaur Ranch	BSC Tyler Ranch[b]	Total
4/26/94	-	-	-	40[c]
5/3/95	-	57	-	57
5/3/96	7	32	-	39
4/21-5/3/97	8	44	45	97
5/3/98	18	93	124	235
4/29/99	29	39	71	139
4/20/00	23	160	123	306
4/5/01	2	95	186	283
4/25/02	3	360	193	556

[a] Habitat improvement project implemented spring 1995.
[b] Habitat improvement project implemented spring 1998.
[c] Incidental count taken during a Lemhi Model Watershed Project habitat survey, includes all of Big Spring Creek.

Since 1995, we began to reduce brook trout numbers (Table 2) and introduce native salmonids in Valley Creek (Table 3). This report summarizes project results for the first 8 years.

Table 2. Number of brook trout removed from Valley Creek, 1995-2000.

Year	No. of brook trout removed
1995	193
1996	4,804
1997	16,025
1998	4,503
1999	212
2000	326
Total	26,063

Table 3. Fish stocked in Valley Creek, 1995-2000.

Date	Species	Number	Size range (mm)	Source
10/12/95	cutthroat	10	75 - 280	Upper Yankee Fork Salmon River
10/12/95	cutthroat	6	75 - 280	Upper Yankee Fork Salmon River
10/12/95	cutthroat	20	75 - 280	Upper Yankee Fork Salmon River
10/12/95	cutthroat	9	75 - 280	Upper Yankee Fork Salmon River
10/12/95	cutthroat	7	75 - 280	Upper Yankee Fork Salmon River
10/12/95	cutthroat	14	75 - 280	Upper Yankee Fork Salmon River
10/12/95	cutthroat	30	75 - 280	Upper Yankee Fork Salmon River
09/29/95	bull trout	7	75 - 280	Upper Yankee Fork Salmon River
10/12/95	bull trout	7	75 - 280	Upper Yankee Fork Salmon River
1995 total bull trout		14		
06/19/96	cutthroat	9	N/A	Mainstem Salmon River (downstream from Middle Fork Salmon R)
06/19/96	cutthroat	5	N/A	Middle Fork Salmon River (Dagger Falls)
06/24/96	cutthroat	15	>310	Middle Fork SR and Main Salmon River
07/31/96	cutthroat	13	120 - 360	Middle Fork Salmon River (Dagger Falls)
09/26/96	cutthroat	100,000	25	Montana strain WSCT*
10/05/96	cutthroat	125	N/A	Grouse Creek (Loon Creek Tributary)
10/15/96	cutthroat	25	75 - 210	Fisher Creek (Salmon River Tributary)
10/15/96	cutthroat	325	75 - 290	Grouse Creek (Loon Creek Tributary)
10/16/96	cutthroat	25	N/A	Fisher Creek (Salmon River Tributary)
10/17/96	cutthroat	200	N/A	Grouse Creek (Loon Creek Tributary)
1996 total cutthroat		100,742		
10/05/96	bull trout	6	N/A	W.F. Mayfield Creek (Loon Cr. Tributary)
10/16/96	bull trout	20	N/A	W.F. Mayfield Creek (Loon Cr. Tributary)
1996 total bull trout		26		
6/17-18/97	cutthroat	10	>300	Middle Fork Salmon River (Dagger Falls)
6/23-25/97	cutthroat	71	>300	Middle Fork Salmon River (Dagger Falls)
09/05/97	cutthroat	144	100 - 250	Rapid River (Middle Fork SR Tributary)
09/29/97	cutthroat	77	100 - 300	Morse Creek (Pahsimeroi R Tributary)
10/03/97	cutthroat	110	100 - 325	Morse Creek (Pahsimeroi R Tributary)
10/06/97	cutthroat	118	75 - 300	McKim Creek (Pahsimeroi R Tributary)
10/09/97	cutthroat	181	N/A	Morgan Creek
1997 total cutthroat		711		
09/05/97	bull trout	15	90 - 280	Rapid River (Middle Fork SR Tributary)
09/29/97	bull trout	56	90 - 280	Morse Creek (Pahsimeroi R Tributary)
10/03/97	bull trout	67	90 - 280	Morse Creek (Pahsimeroi R Tributary)
10/06/97	bull trout	55	75 - 320	McKim Creek (Pahsimeroi R Tributary)
10/09/97	bull trout	22	N/A	Morgan Creek (Pahsimeroi R Tributary)
1997 total bull trout		215		
09/05/97	cutxrbt	5	100 - 160	Rapid River (Middle Fork SR Tributary)
1997 total cutxrbt hybrids		5		

Table 3. Continued.

Date	Species	Number	Size range (mm)	Source
6/9-7/2/98	cutthroat	203	255-357	Middle Fork Salmon River (Dagger Falls)
6/18/98	cutthroat	42	127-255	Morse Creek (Pahsimeroi R Tributary)
10/14/98	cutthroat	173	75-204	Grouse Creek (Loon Creek Tributary)
10/14/98	cutthroat	4	75-204	Morse Creek (Pahsimeroi R Tributary)
1998 total cutthroat		422		
06/18/98	bull trout	19	127-255	Morse Creek (Pahsimeroi R Tributary)
10/14-15/98	bull trout	317	75-306	Morse Creek (Pahsimeroi R Tributary)
1998 total bull trout		336		
10/5/99	cutthroat	64	87 -232	Float Creek (Rapid River Tributary)
10/6/99	cutthroat	179	87 -232	Float Creek (Rapid River Tributary)
10/6/99	cutthroat	24	87 -232	Vanity Creek (Rapid River Tributary)
1999 total cutthroat		267		
10/5/99	bull trout	6	87 -232	Float Creek (Rapid River Tributary)
10/6/99	bull trout	29	87 -232	Float Creek (Rapid River Tributary)
10/6/99	bull trout	33	87 -232	Vanity Creek (Rapid River Tributary)
1999 total bull trout		68		
8/8/00	cutthroat	472	100 - 325	Canyon Creek (Loon Creek Tributary)
2000 total cutthroat		472		
8/8/00	bull trout	143	100 - 350	Canyon Creek (Loon Creek Tributary)
2000 total bull trout		143		
All years total cuttroat		2,710		
All years total blt		802		
All years total RBXCt		5		

* Montana strain westslope cutthroat from Montana broodstock.

OBJECTIVES

To obtain current information for fishery management decisions on rivers and streams, including angler use, success, harvest and opinions, fish population characteristics, spawning success, habitat characteristics, return-to-the-creel for hatchery trout and develop appropriate management recommendations.

STUDY AREA AND METHODS

Big Springs Creek

In 1994 the Idaho Department of Fish and Game initiated informal resident rainbow trout redd count surveys on Big Springs Creek (BSC), a tributary to the upper Lemhi River near Leadore, ID. We established three transect areas in 1997 to monitor long term resident rainbow trout population trends, two on BSC and one on the upper Lemhi River. The two sites on BSC include the portion of the creek that flows through the Karl Tyler Ranch and the Darwin Neibaur Ranch. The upper Lemhi River site includes the section that flows through the Merrill Beyeler Ranch. The redd counts are usually conducted during the last week of April or the first week of May. We conducted resident rainbow trout redd counts on April 25, 2001.

Wild Trout Population Studies

Between May 21 and November 29, 2001, 84 tributary streams of the upper Salmon River basin were surveyed for fish composition, relative abundance, and size distribution. Stream characteristics (temperature, gradient, altitude, and area sampled) were also recorded (Appendix A). Drainage information and map coordinates are found in Appendix B.

Streams were sampled by electrofishing with use of a Smith Root SR-15 backpack shocking unit. Samplers attempted to catch all sizes of game and nongame fish in transects ranging in size 28.2-486.6 m in length while moving upstream. A given transect was sampled one or two times or until a 50% reduction in fish numbers was realized. Captured fish were measured (total length; TL) to the nearest mm, placed in holding pens, and monitored for recovery until all passes were completed. Once electrofishing was completed, fish were returned to the general area where they were captured.

Density estimates (fish sampled per 100 m^2) were calculated by use of Microfish population software (Van Deventer & Platts 1989). All fish <70 mm were excluded from the population estimates due to difficulties in capturing smaller fish. However, fish <70 mm TL were included in length frequency tables. When consecutive passes did not achieve the appropriate reduction (50%), no population estimate for that stream was calculated.

Snorkeling surveys were also used to collect data. The surveys provided for fish composition, and presence and absence information of salmonids and other species within sample areas. Fish sampled were enumerated.

Valley Creek Brook Trout

Valley Creek is located in Custer County in central Idaho. It flows into the Salmon River at river km 609.0 and is bordered by the Sawtooth Mountains on the south and the headwaters of the Middle Fork Salmon River on the north (Figure 1). Elevation ranges 1,887-3,277 m. Land uses within the watershed are typical of central Idaho and include recreation, grazing, and very limited private mining and timber harvest.

Our study area begins 9.6 km upstream from Valley Creek's confluence with the Salmon River and extends upstream for approximately 12 km. The lower 0.8 km of Elk Creek, East Fork Valley Creek and several unnamed sloughs and side tributaries (Stanley Lake Creek) are also included.

To evaluate basin-wide changes in fish populations, we depended on existing anadromous fish reports. Snorkel surveys, conducted by the Shoshone-Bannock Indian Tribes, provided an independent evaluation of the project with no additional cost or effort to IDFG. We will continue to have Shoshone-Bannock Indian Tribe fisheries staff snorkel Valley Creek to evaluate response of brook trout and native fish stocks to brook trout reduction.

RESULTS AND DISCUSSION

Big Springs Creek

We observed a total of 556 redds on BSC and upper Lemhi River. We counted 360 redds on the Neibaur Ranch while 193 were observed on the Tyler Ranch. The number of redds observed in 2001 was greater than that of 2000 (306; Table 1). The number of redds counted on the Upper Lemhi River in 2002 (three) was one more than 2001.

The BSC transect within Tyler Ranch boundaries contained more redds in 2002 than in any of the previous years. We think the increase over time and general stability may be the result of improved stream habitat conditions created by the exclusionary fencing project completed in 1998. Neibaur Ranch reach is scheduled for a fencing project during spring 2002. Historical perspective provided by Ned Horner (IDFG Regional Fishery Manager, personal communication) indicated the Neibaur Ranch reach to be currently more degraded than he remembered. We think the variable numbers of redds may be a ramification of lack of stability in part due to the degradation. The upper Lemhi River Beyeler Ranch reach may have marginal spawning conditions and elevated temperature regimes. Site monitoring and trend evaluation in the rainbow trout population will continue in future years.

Habitat changes will be examined within the next 10 years. Snorkel data will be studied to determine if a change in size structure has occurred.

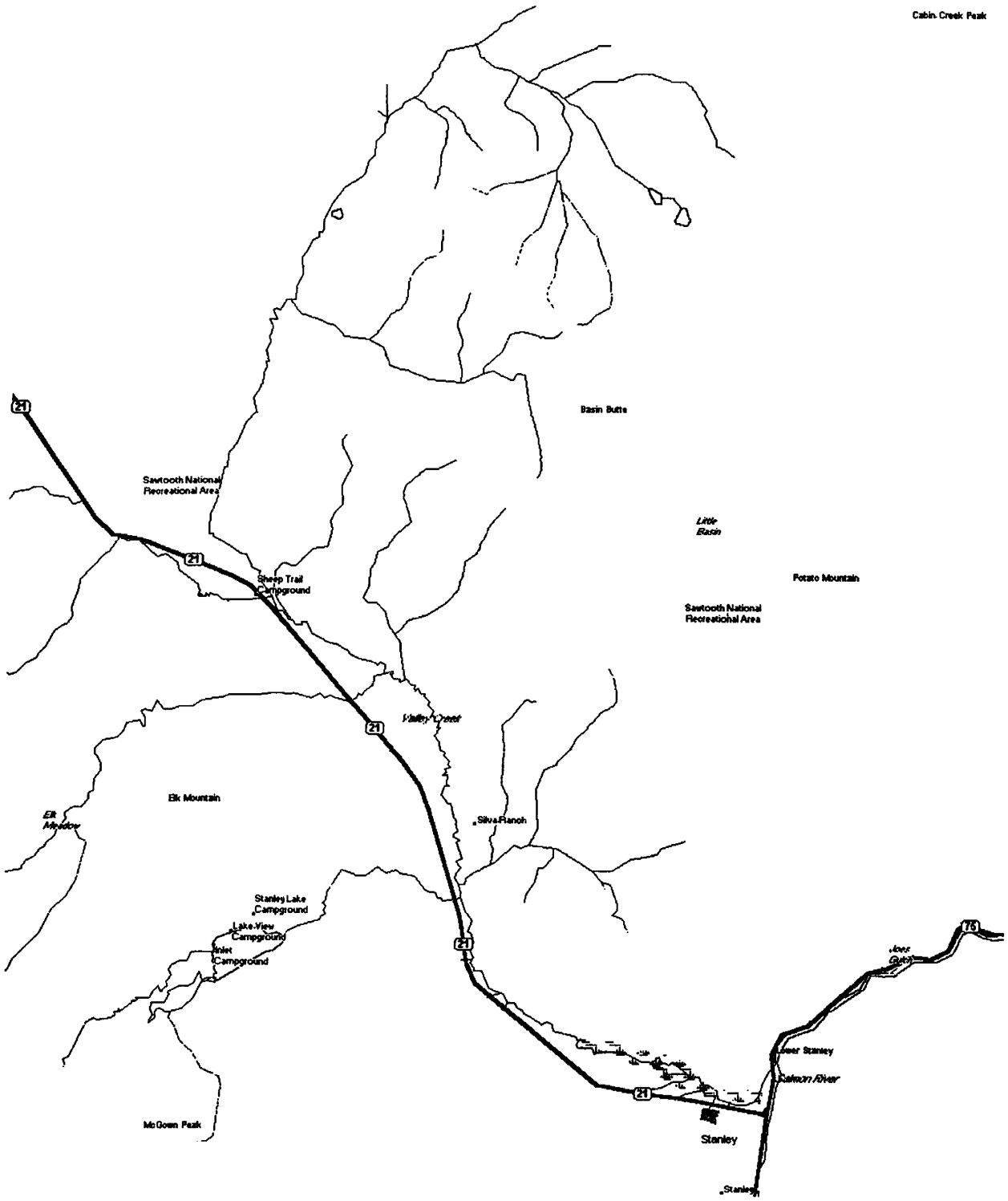

Figure 1. Map of the Valley Creek drainage, central Idaho.

Wild Trout Population Studies

Combined population estimates for all species of salmonids were calculated based on total sample size (n) of all salmonids per tributary stream (Table 4). Salmonids were found in 72 out of 84 streams surveyed (Table 4). Rainbow trout was the predominant species encountered during our investigations and was found in 48% of the tributary streams surveyed. The highest densities of westslope cutthroat trout occurred in Wagonhammer and Withington creeks (Table 4), while Alder and Williams creeks had the highest densities of rainbow trout (Table 4). Falls and McConn creeks had the highest densities of bull trout (Table 4). Salmonids were not found in the following locations: Bear, Bernard, Big Gulch, Big Lake, Buck, Harmony Mine, Hillside, and Meadow creeks.

More detailed information on stream sites is located in Appendices A and B. Appendix A lists stream sites surveyed, dates of sampling, and transect measurements. Appendix B lists streams surveyed, primary drainage, secondary drainage, UTM zone, and UTM coordinates.

Valley Creek Brook Trout Reduction

Data demonstrate densities of brook trout have declined or have not increased throughout Valley Creek. These data suggest the reduction program is effectively impacting the brook trout population (Figures 2–4). Native salmonids have increased in upper Valley Creek since the reduction of brook trout began in 1995 (Figure 5).

Table 4. Combined salmonids population estimates, 95% confidence intervals (CI), and species composition for selected streams of the Upper Salmon River Basin in 2001 (L=lower reach, M=middle reach, and U=upper reach).

Stream	Transect	Fish sampled (n)	Pop. estimate (95% CI)	Fish/ 100 m^2	Species composition					
					CT	RB	BLT	RBxCT	BRK	Chinook
Alder	U	223	N/A	N/A		99	1			
Anderson	L	28	28(28-30)	15.5	93	7				
Anderson WFK	L	27	27(27-28)	19.8	100					
Basin	M	6	**	**		100				
Basin	L	0	**	**						
Bear Valley	U	2	N/A	N/A			100			
Big Gulch	L	1	N/A	N/A			100			
Big Springs	U	47	N/A	N/A		49			51	
Big Springs	M	33	N/A	N/A		30			70	
Bohannon	L	22	23(22-27)	15.2		82			18	
Boulder	U	9	9(9-11)	2.1			100			
Brush	L	15	17(15-25)	4.0	7	53				40
Buckskin	L	8						100		
Burnt	M	5	**	**		100				

Table 4. Continued.

Stream	Transect	Fish sampled (n)	Pop. estimate (95% CI)	Fish/ 100 m^2	Species composition					
					CT	RB	BLT	RBxCT	BRK	Chinook
Butts	L	27	32(27-45)	8.2		100				
Canyon	M	10	12	3.4		100				
Canyon	L	2	N/A	N/A	100					
Canyon	U	33	N/A	N/A		100				
Canyon	U	42	52	16.7	2	98				
Canyon	M	31	N/A	N/A		100				
Canyon	M	70	70	7.5	1	99				
Clear	L	17	17(17-19)	2.6		100				
Clear	L	10	10(10-12)	1.5		100				
Dahlonega	L	51	53(51-58)	13.2	16	73			11	
Dump	L	7	N/A	N/A		100				
Dump	L	18	18(18-19)	9		100				
Elk(R1)	L	56	N/A	N/A	2	36			62	
Elk(R2)	L	62	N/A	N/A		56			44	
Elk(R3)	L	62	N/A	N/A		19	2		79	
Elk(R4)	M	39	N/A	N/A		24	2		74	
Elk(R5)	M	131	N/A	N/A					100	
Elk(R6)	M	79	N/A	N/A		1			99	
Elk(R7)	U	89	N/A	N/A					100	
Elk(R8)	U	106	N/A	N/A					100	
Elk(R9)	U	76	N/A	N/A					100	
Everson	M	3	N/A	N/A			100			
Falls	M	34	44(34-65)	23.5			100			
Falls	M	12	12(12-14)	8.9			100			
Falls	U	37	N/A	N/A			100			
Fisher	L	2	**	**					100	
Fishhook	Unknown	2	**	**						100
Fourth of July	L	18	**	**		77				23
Fourth of July	M	13	**	**	77	17	6			
Garden	L	24	**	**	100					
Garden	L	DEQ-1pass	**	**	100					
Hammerean	M	29	32(29-40)	17.8	100	100				
Hannah Slough	M	38	N/A	N/A						
Hawley	U	18	21(18-31)	4.9	82	18				
Hawley	M	33	37(32-48)	7.6		100				
Hawley	M	27	35(27-55)	9.7		100				
Hawley	U	6	6(6-9)	0.98	50	50				
Horse	M	22	24(22-30)	5.6		4	96			
Horse	U	18	19(18-24)	10.5			100			
Horse	M	25	27(27-29)	8.6		60	40			
Hot Springs	U	5	N/A	N/A		100				

Table 4. Continued.

Stream	Transect	Fish sampled (n)	Pop. estimate (95% CI)	Fish/ 100 m^2	Species composition					
					CT	RB	BLT	RBxCT	BRK	Chinook
Hot Springs	L	25	N/A	N/A		100				
Hot Springs	M	8	N/A	N/A		100				
Hughes	L	25	27(25-33)	6.5		100				
Hughes WFK	L	16	16(16-19)	6.6	94	6				
Indian	L	59	66(59-78)	13.9		93				7
Iron	Unknown	8	**	**	12.5	25			13	50
Jordan	L	31					10	90		
Jordan	L	24					25	75		
Jordan	L	44					5	95		
Jordan	L	18					11	89		
Kinnikinic	L	3	N/A	N/A	34				66	
Kinnikinic	M	5	N/A	N/A	100					
Kinnikinic	M	5	N/A	N/A	100					
Lake	L	10	10(10-13)	5	50					50
Lee	M	4	N/A	N/A		100				
Lemhi	U	1	N/A	N/A		100				
Lemhi	M	6	N/A	N/A		100				
Lemhi	L	2	N/A	N/A		100				
McConn	L	43	46(43-53)	10	30		70			
Moose	L	127	128(127-131)	27.2		91				9
Morse	U	7	**	**	29		71			
Nez Perce WFK	L	22	23(22-27)	12.1	100					
Nez Perce WFK	L	13	14(13-19)	9.3	100					
Otter	U	3	N/A	N/A			100			
Pahsimeroi	U	1	N/A	N/A			100			
Pahsimeroi EFK	L	2	N/A	N/A		100				
Pass	L	2	N/A	N/A			100			
Pattee	U	42	43(42-47)	6.06	100					
Pierce	L	70	73(70-79)	24.8	41	57	2			
Pierce EFK	L	18	18(18-20)	15.8	100					
Pine	L	23	24(23-29)	6.7	52		48			
Pine	L	25	25(25-27)	6.1	16	84				
Pine	L	44	44(44-46)	11.3		98	2			
Rock Cr		7	N/A	N/A						
Rough	M	11	**	**	73				27	
Sage	U	2	N/A	N/A	100					
Salzer	L	32	37(32-49)	9.8	100					
Sheep	L	58	58(58-59)	14.7		100				
Slate	L	90	N/A	N/A		100				
Slate	U	43	N/A	N/A	2.5	95	2.5			
Smithy	L	20	20(20-21)	13.3	60	15			25	
Smithy	U	7	**	**	100					

Table 4. Continued.

Stream	Transect	Fish sampled (n)	Pop. estimate (95% CI)	Fish/ 100 m^2	Species composition					
					CT	RB	BLT	RBxCT	BRK	Chinook
Sourdough Gulch	L	19	23(18-39)	18.8					100	
Spring	L	16	16(16-18)	4.2		100				
Spring EFK	L	6	N/A	N/A	33	67				
Squaw	Unknown	83	**	**				100		
Squaw	Unknown	116	**	**				100		
Squaw	M	1	**	**		100				
Squaw	M	3	**	**		100				
Stanley Lake	L	4	**	**						100
Stroud	M	7	N/A	N/A	57		43			
Stroud	U	12					100			
Thompson	M	67						100		
Thompson	M	8				75		25		
Thompson	M	116						100		
Thompson	M	5	##					100		
Threemile	L	27	30(27-38)	18.7	63				27	
Threemile	U	14	14(14-15)	6.7	100					
Threemile	M	16	16(16-19)	8	100					
Twin	U	25	25(25-27)	5.1	4		96			
Patte Ck trib.	U	28	29(28-33)	4.3	100					
Vine	L	41	41(41-42)	24.1	100					
Wagonhammer	M	69	77(69-89)	24.8	100					
Wagonhammer	U	53	53(53-54)	27.5	100					
Wagonhammer	L	13	13(13-15)	9.3	100					
Williams(R1)	L	6	N/A	N/A		83			17	
Williams(R2)	L	172	N/A	N/A	6	84			10	
Williams(R3)	M	17	N/A	N/A		47			53	
Williams(R4)	M	62	N/A	N/A	6	5			89	
Williams(R5)	U	20	N/A	N/A					100	
Willow Cr	M	38	110(38-383)	24.4		100				
Wilson	L	42	46(42-55)	10.8	5	90	2.5			2.5
Withington	M	54	61(54-73)	51.7	100					
Woods	L	58	58(58-59)	26.8		71	29			
Yankee Fork	L	45					16	84		
Yankee Fork	M	17					6	94		
Yankee Fork	U	198					1	99		

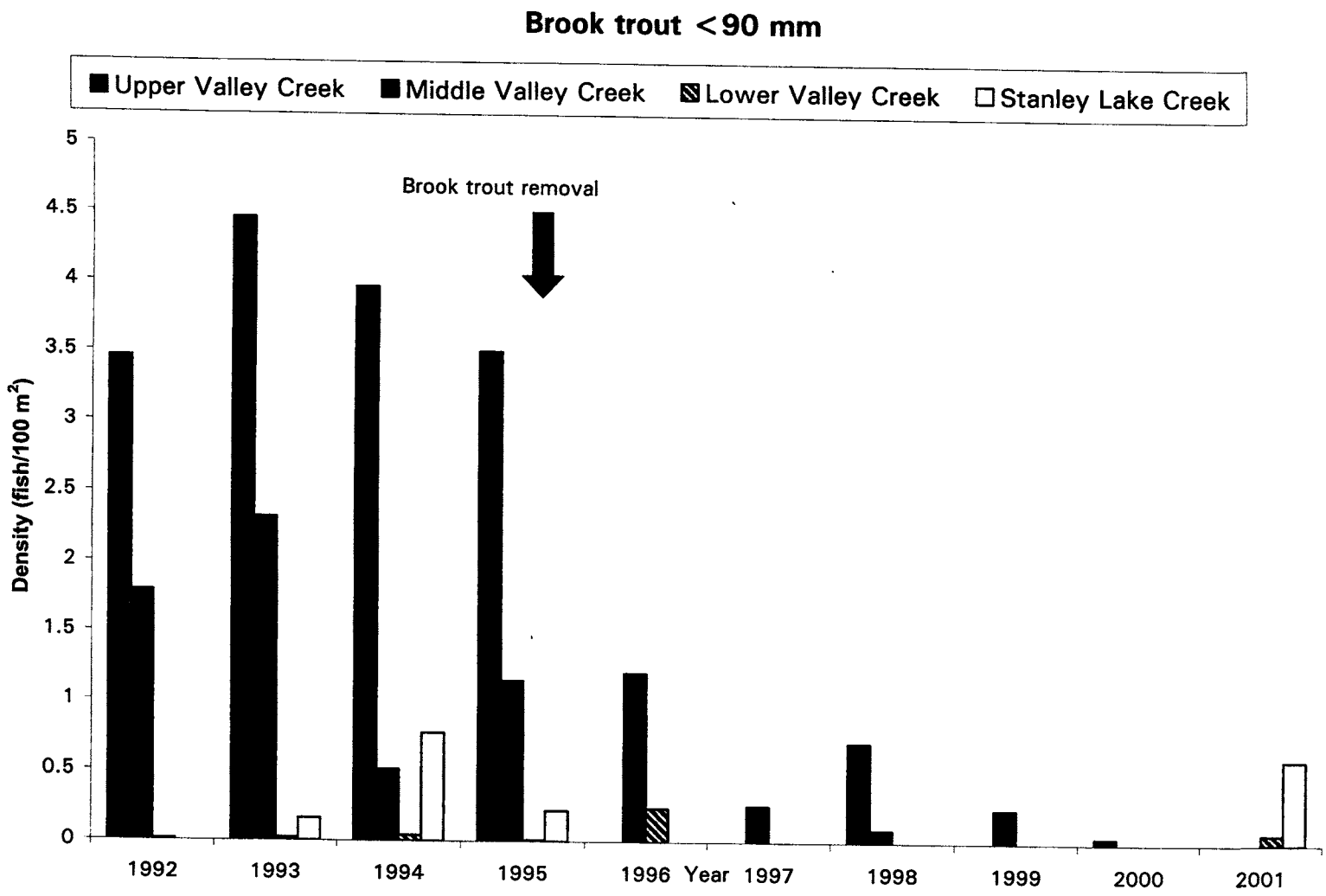

Figure 2. Density of brook trout <90 mm total length in Valley Creek, 1992–2001 (data provided by Shoshone-Bannock Indian Tribes, Idaho Supplementation, and General Parr Monitoring studies).

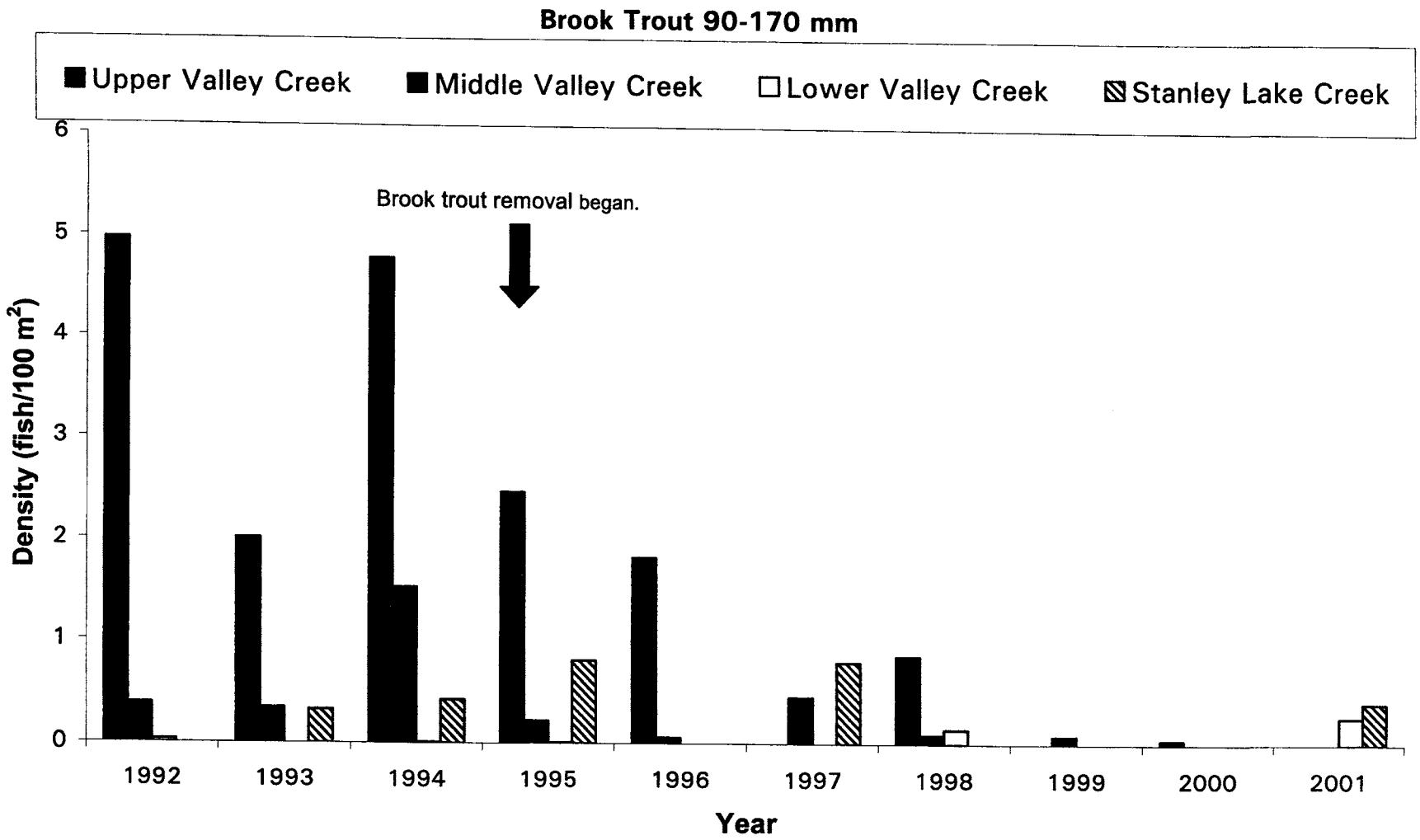

Figure 3. Density of brook trout 90–170 mm total length in Valley Creek, 1992–2001 (data provided by Shoshone-Bannock Indian Tribes, Idaho Supplementation, and General Parr Monitoring studies).

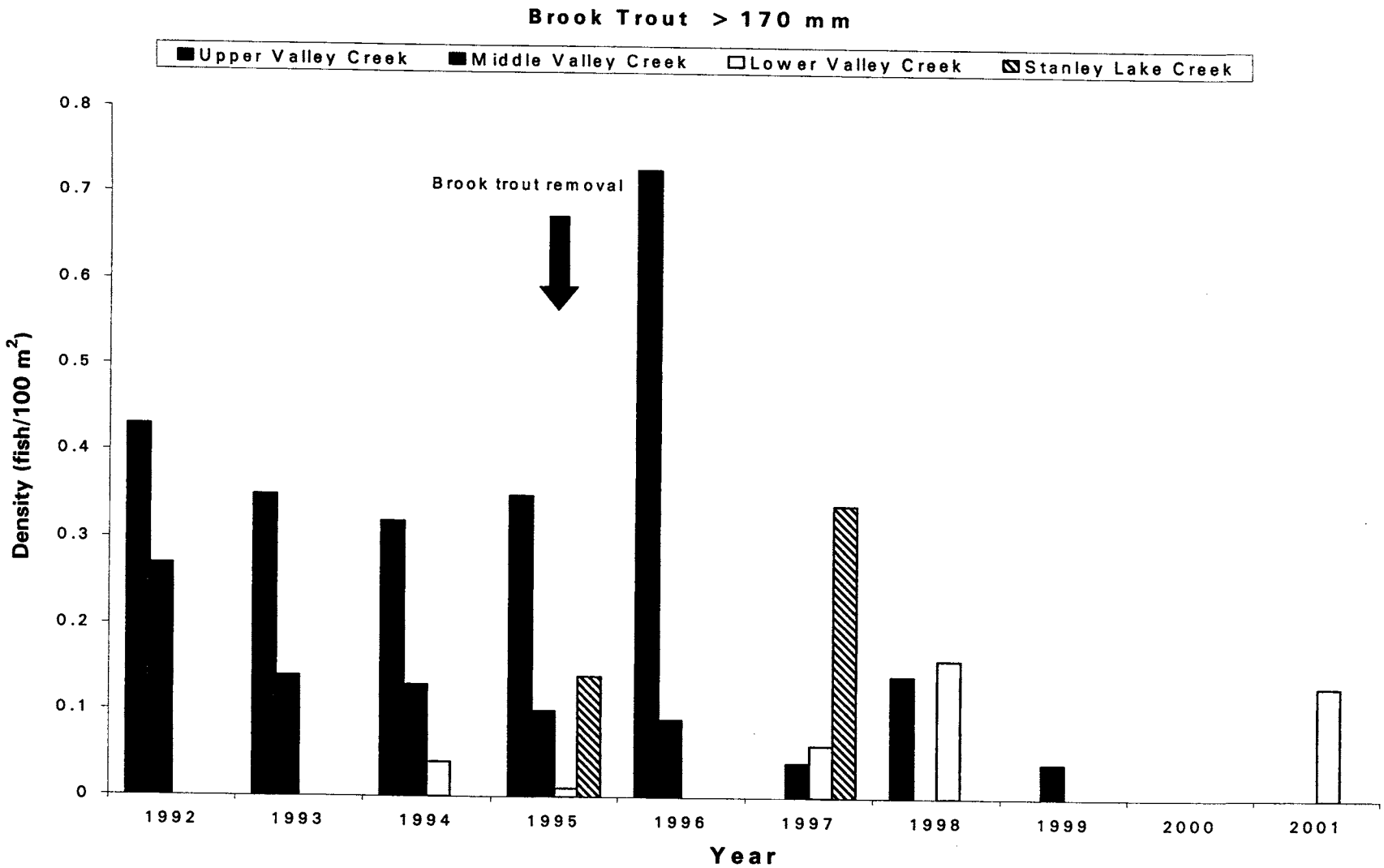

Figure 4. Density of brook trout >170 mm total length in Valley Creek, 1992–2001 (data provided by Shoshone-Bannock Indian Tribes, Idaho Supplementation and General Parr Monitoring studies).

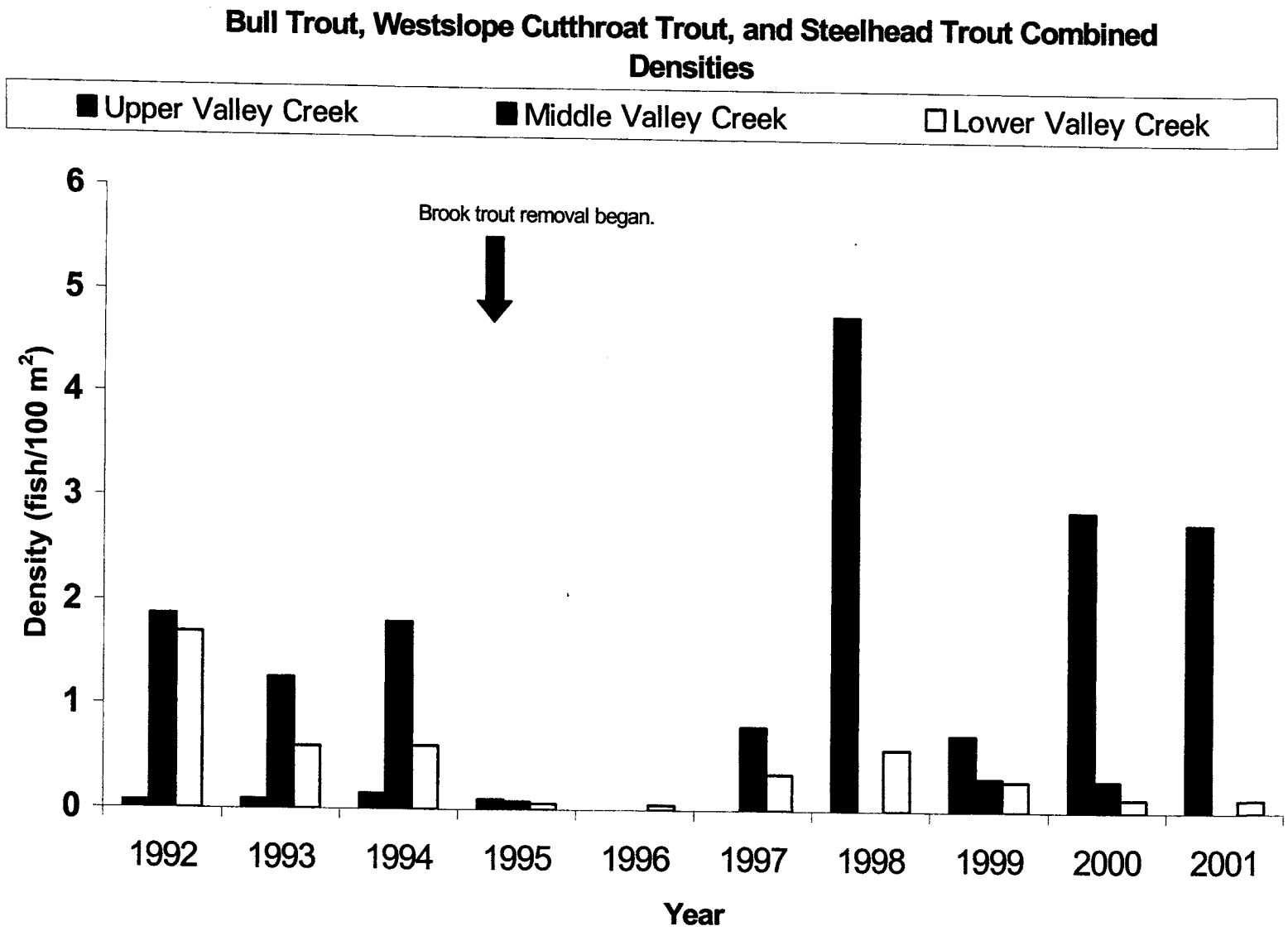

Figure 5. Population densities of bull trout, westslope cutthroat trout, and steelhead in Valley Creek, 1992-2001 (data provided by Shoshone-Bannock Indian Tribes, Idaho Supplementation, and General Parr Monitoring studies).

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APPENDICES

Appendix A. Site characteristics of streams surveyed in the Upper Salmon River Basin during the summer of 2001.

Stream	Transect	Sample date	Channel type	Water temperature (°C)	Transect length (m)	Transect mean width (m)	Transect area (m)	Elevation (f)
Alder	U	7/18/2001	C	16.0	63.3	7.58	479.80	
Anderson	L	6/21/2001	B	6.0	100.0	1.80	180.00	
Anderson WFK	L	6/21/2001	B	9.0	80.0	1.70	136.00	
Basin	M	10/3/2001		5.8	100.0	4.00	400.00	6,240
Basin	L	10/3/2001		13.9	100.0	7.00	700.00	6,120
Bear	M	6/6/2001	B	17.0	87.5	0.80	70.00	2,218
Bear Valley	U	6/7/2001	A	5.0	41.9	4.30	180.17	7,980
Bernard		8/7/2001						
Big Gulch	L	6/6/2001	B	7.0	94.6	1.80	170.28	2,407
Big Lake	L	5/31/2001	B	11.0	56.2	2.40	134.88	
Big Springs	M	8/7/2001	C	16.0	65.5	4.10	268.60	
Big Springs	U	8/7/2001	C	16.0	47.8	4.20	200.80	
Bohannon	L	11/29/2001	B	2.5	38.8	3.90	151.32	
Boulder	U	6/27/2001	B	9.6	100.0	4.20	420.00	
Brush	L	8/7/2001	B		100.0	4.26	426.00	
Buck	M	6/7/2001	B	6.0	86.1	4.30	370.23	8,090
Buckskin	L	10/4/2001						
Burnt	M	9/25/2001		14.0	100.0	1.00	100.00	7,310
Burnt	L	5/31/2001	C					
Butts	L	7/18/2001	B	12.0	80.0	3.90	312.00	
Canyon	M	6/15/2001	C	16.0	84.7	4.20	355.74	
Canyon	L	10/3/2001	C	7.0	73.8	2.50	184.50	
Canyon	U	10/3/2001	C	11.0	115.0	2.70	310.50	
Canyon	M	10/3/2001	C	9.5	231.9	4.00	927.60	
Canyon	U	6/15/2001	C	16.0	118.4	3.50	414.40	
Canyon	M	6/15/2001	C	16.0	156.8	4.12	646.01	
Canyon	M	6/15/2001	C	16.0				
Clear	L	7/11/2001	B	16.7	100.0	6.50	650.00	
Clear	L	8/28/2001	B	13.2	100.0	6.50	650.00	
Dahlonega	L	7/12/2001	B	17.7	100.0	3.96	396.00	
Dump	L	8/29/2001	B	15.8	100.0	1.80	180.00	
Dump	L	5/31/2001	B	13.0	100.0	1.80	180.00	
Elk	U	9/10/2001		14.0	486.6	2.70	1,313.82	
Elk	L	8/3/2001		14.0	384.8	6.30	2,424.24	
Elk	L	8/1/2001		10.0	343.4	6.06	2,081.00	
Elk	M	8/13/2001		13.0	485.2	7.90	3,833.08	
Elk	U	8/31/2001		15.0	451.4	2.70	1,218.78	
Elk	L	7/25/2001		12.5	352.2	5.60	1,972.32	
Elk	U	9/18/2001		11.0	460.4	4.30	1,979.72	
Elk	M	8/8/2001		18.0	228.6	6.00	1,371.60	
Elk	M	8/18/2001		15.0	343.1	7.85	2,693.30	
Everson	M	5/22/2001	B		48.4	2.10	101.64	7,800

Appendix A. Continued.

Stream	Transect	Sample date	Channel type	Water temperature (°C)	Transect length (m)	Transect mean width (m)	Transect area (m)	Elevation (f)
Falls	U	6/1/2001	B	7.0	116.1	4.10	476.01	5,918
Falls		6/1/2001	B	8.0	71.5	2.40	171.60	
Falls	M	10/18/2001	B	5.0	37.1	3.90	144.69	
Falls	M	10/18/2001	B	6.0	46.2	2.90	133.98	
Fisher	L	10/3/2001		6.6	100.0	1.50	150.00	6,960
Fishhook		10/3/2001			100.0	3.00	300.00	6,600
Fourth of July	M	10/4/2001			100.0	2.00	200.00	8,840
Fourth of July	L	10/3/2001			100.0	4.00	400.00	6,792
Garden		7/16/2001						
Garden		7/11/2001						
Garden	L	9/26/2001		7.5	100.0	2.50	250.00	5,720
Garden		8/28/2001		12.4	100.0			
Hammerean	M	9/10/2001	B	9.7	100.0	1.80	180.00	
Hannah Slough	M	7/18/2001	C	13.5	109.0	8.40	915.60	
Harmony Mine FK	M	6/5/2001	B	7.0	76.5	2.60	198.90	
Hawley	U	6/8/2001	AB	12.0	109.7	5.60	614.32	6,725
Hawley	U	6/8/2001	AB	12.0	97.5	4.42	430.95	6,904
Hawley	M	6/8/2001		12.0	72.4	4.98	360.55	6,556
Hawley	M	6/8/2001		12.0	103.7	4.72	489.46	6,645
Hillside	M	6/6/2001	B	8.0	97.2	1.80	174.96	2,269
Horse	U	7/10/2001	B	9.2	100.0	1.80	180.00	
Horse		7/9/2001	B	15.0	43.0	7.30	313.90	
Horse	L	7/8/2001	B		100.0	4.30	430.00	
Hot Springs	M	8/7/2001	C	16.0	93.9	6.00	563.40	
Hot Springs	L	8/7/2001	C	20.0	42.5	6.20	263.50	
Hot Springs	U	8/7/2001	C	16.0	59.5	5.90	351.10	
Hughes	L	7/26/2001	B	12.4	100.0	4.14	414.00	
Hughes WFK	L	7/26/2001	B	10.9	100.0	2.42	242.00	
Indian	L	8/16/2001	B	10.5	100.0	4.76	476.00	
Iron		10/3/2001		8.4	100.0	2.50	250.00	6,400
Jordan	L	8/9/2001		12.0	92.0	3.50	322.00	
Jordan	L	8/8/2001		16.0	82.0	4.50	369.00	
Jordan	L	8/8/2001		18.0	124.0	4.80	595.20	
Jordan	L	8/9/2001		11.0	101.5	3.00	304.50	
Kinnikinic	L	5/30/2001	AB	12.0	28.2	3.30	93.06	
Kinnikinic	M	5/30/2001	B	11.0	81.4	1.80	146.52	
Kinnikinic	M	5/30/2001	B	11.0	43.7			
Kitchen		7/18/2001	A	10.8				
Lake	L	6/28/2001	A	13.0	100.0	2.00	200.00	
Lee	M	5/29/2001	C		43.6	3.10	135.16	
Lemhi	M	7/14/2001	B					
Lemhi	M	7/14/2001	B	16.0	71.2	14.40	1,025.28	

Appendix A. Continued.

Stream	Transect	Sample date	Channel type	Water temperature (°C)	Transect length (m)	Transect mean width (m)	Transect area (m)	Elevation (f)
Lemhi	M	7/14/2001	B	16.0	193.3	13.70	2,648.21	
McConn	L	7/2/2001	B	9.0	100.0	4.60	460.00	
Meadow	U	5/25/2001	A	4.0	33.0	2.40	79.20	
Moose	L	8/29/2001	B	16.3	100.0	4.70	470.00	
Morse	U	9/25/2001		9.3	100.0	2.00	200.00	6,200
Nez Perce WFK		7/3/2001	B	7	100.0	1.90	190.00	
Nez Perce WFK		7/3/2001	B	99	100.0	1.50	150.00	
Otter	U	5/29/2001	A		125.0	1.00	125.00	
Pahsimeroi	U	5/31/2001	C	11	127.5	7.30	930.75	6,635
Pahsimeroi	U	9/25/2001		17.7	100.0	4.00	400.00	6,880
Pahsimeroi EFK	L	9/25/2001		5.3	100.0	3.00	300.00	7,960
Pass	L	7/1/2001	B		100.0	1.90		
Pattee	M	7/6/2001	B		400.0	12.00	4,800.00	
Pattee	U	7/24/2001	B	50	142.0	5.00	710.00	2,291
Pierce	L	6/25/2001	B	15	100.0	2.94	294.00	
Pierce EFK		6/25/2001	B	8	100.0	1.14	114.00	
Pine		7/23/2001	B	10.8	100.0	3.58	358.00	
Pine	L	7/19/2001	B	10	100.0	4.10	410.00	
Pine	L	7/19/2001	B	10.9	100.0	3.90	390.00	
Road	M	9/26/2001		242.2	100.0	1.00	100.00	6,040
Rough	M	10/3/2001		7.7	100.0	2.50	250.00	6,840
Sage	U	7/23/2001	B	13.4	100.0	0.80	80.00	
Salzer		6/26/2001	A	12.0	100.0	3.78	378.00	
Sheep		8/6/2001	B	17.2	100.0	3.94	394.00	
Ship Island		8/9/2001	B	16.0				
Slate	L	8/6/2001	C	19.0	47.5	4.40	228.00	
Slate	U	8/6/2001	C	19.0	38.4	4.50	172.80	
Smithy	L	7/3/2001	B	12.0	100.0	1.50	150.00	
Smithy	U	5/24/2001	B	4.0	100.0	3.00	300.00	
Sourdough Gulch	L	5/25/2001	B		61.0	2.00	122.00	
Spring	L	6/12/2001	B	7.5	100.0	3.80	380.00	
Spring EFK		6/12/2001	B	6.5	50.0	2.68	134.00	
Squaw		10/3/2001			107.9	5.50	593.45	
Squaw	M	10/3/2001		10.4	100.0	5.00	500.00	6,120
Squaw		10/2/2001			126.8	6.10	773.48	
Squaw	M	10/3/2001		6.2	100.0	5.00	500.00	6,160
Stanley Lake	L	10/3/2001		11.5	100.0	4.00	400.00	6,400
Stroud	U	5/22/2001	B		85.7	2.40	205.68	7,800
Stroud	M	5/29/2001	B		71.4	2.30	1,664.22	
Thompson		10/4/2001						

Appendix A. Continued.

Stream	Transect	Sample date	Channel type	Water temperature (°C)	Transect length (m)	Transect mean width (m)	Transect area (m)	Elevation (f)
Thompson		10/3/2001			92.0	3.90	358.80	
Thompson		10/4/2001			91.4	3.50	319.90	
Thompson	M	10/4/2001		12.5	100.0	2.00	200.00	5,960
Threemile	M	5/24/2001	B	11.0	100.0	2.00	200.00	
Threemile	L	7/3/2001	B	15.0	100.0	1.60	160.00	
Threemile	U	5/24/2001		7.0	100.0	2.10	210.00	
Twin	U	7/25/2001	B	10.0	100.0	4.90	490.00	
Patte Creek Trib	U	7/24/2001	A	43.0	182.0	3.70	673.40	2,302
Vine	L	7/25/2001	I	12.4	100.0	1.70	170.00	
Wagonhammer	L	8/20/2001	B	10.0	100.0	1.40	140.00	
Wagonhammer	U	5/21/2001	B	7.0	100.0	2.07	207.00	
Wagonhammer	M	8/20/2001	B	12.0	100.0	3.10	310.00	
Williams	M	6/14/2001	B		119.0	10.00	1,190.00	2,290
Williams	L	7/12/2001		13.0	79.0	1.40	110.60	
Williams	L	7/12/2001		11.0	404.9	1.46	591.15	
Williams	M	7/13/2001		13.0	422.6	2.50	1,056.50	
Williams	M	7/17/2001		9.0	426.0	1.70	724.20	
Williams	U	7/18/2001		10.0	445.0	1.30	578.50	
Willow Creek	M	6/14/2001	B		119.0	10.00		2,290
Wilson	L	8/8/2001	B		100.0	8.52	852.00	
Withington	M	6/5/2001	B	7.0	59.1	2.00	118.20	
Woods	L	7/10/2001	C	10.4	120.0	1.80	216.00	
Yankee Fork	M	8/7/2001		18.0	163.0	55.20	8,997.60	
Yankee Fork	U	8/7/2001		18.0	160.0	71.30	11,408.00	
Yankee Fork	L	8/7/2001		13.5	153.0	17.20	2,631.60	

Appendix B. Upper Salmon River Basin (Idaho) tributary streams surveyed during the summer of 2001.

Stream name	Primary drainage	Secondary drainage	UTM zone	UTM Easting	UTM Northing
Alder	Main Salmon (Pahsimeroi – E Fk)		11	723,461	4,938,597
Anderson	N Fk Salmon River				
Anderson W FK	N Fk Salmon River				
Basin	Main Salmon (Yankee Fk headwaters)				
Basin	Main Salmon (Yankee Fk headwaters)				
Bear	Pahsimeroi River		12	294,828	4,916,272
Bear Valley	Lemhi River	Hayden Cr.	12	276,666	4,964,453
Bernard	M Fk Salmon River				
Big Gulch	Pahsimeroi River				
Big Lake	E Fk Salmon River	Main Salmon	11	708,729	4,892,860
Big Springs	Pahsimeroi River				
Big Springs	Pahsimeroi River				
Bohannon	Lemhi River		12	286,666	5,002,054
Boulder	Main Salmon (M Fk - N Fk)				
Brush	Main Salmon (Below M Fk)				
Buck	Lemhi River	Bear Valley Cr.	12	276,617	4,964,123
Buckskin	Main Salmon (E Fk - Yankee Fk)				
Burnt	Pahsimeroi River				
Burnt	Pahsimeroi River		12		
Butts	Main Salmon (below M Fk)				
Canyon	Lemhi River		12	317,433	4,952,181
Canyon	Lemhi River		12	312,842	4,951,322
Canyon	Lemhi River		12	321,178	4,958,648
Canyon	Lemhi River		12	319,945	4,956,495
Canyon	Lemhi River		12	321,178	4,958,648
Canyon	Lemhi River		12	319,945	4,956,495
Canyon	Lemhi River		12	317,082	4,952,152
Clear	Main Salmon (M Fk - N Fk)				
Clear	Main Salmon (M Fk - N Fk)				
Dahlonega	N Fk Salmon River				
Dump	Main Salmon (M Fk - N Fk)				
Dump	Main Salmon (M Fk - N Fk)				
Elk	Main Salmon (Yankee Fk headwaters)	Valley Creek			
Elk	Main Salmon (Yankee Fk headwaters)	Valley Creek			
Elk	Main Salmon (Yankee Fk headwaters)	Valley Creek			
Elk	Main Salmon (Yankee Fk headwaters)	Valley Creek			
Elk	Main Salmon (Yankee Fk headwaters)	Valley Creek			
Elk	Main Salmon (Yankee Fk headwaters)	Valley Creek			
Elk	Main Salmon (Yankee Fk headwaters)	Valley Creek			
Elk	Main Salmon (Yankee Fk headwaters)	Valley Creek			
Elk	Main Salmon (Yankee Fk headwaters)	Valley Creek			
Everson	Lemhi River		12	296,470	4,946,454

Appendix B. Continued.

Stream name	Primary drainage	Secondary drainage	UTM zone	UTM Easting	UTM Northing
Falls	Pahsimeroi River		12	279,997	4,939,750
Falls	Pahsimeroi River		12		
Falls	Pahsimeroi River		12	280,745	4,940,430
Falls	Pahsimeroi River		12	280,360	4,939,983
Fisher	Main Salmon (Yankee Fk headwaters)				
Fishhook	Main Salmon (Yankee Fk headwaters)				
Fourth of July	Main Salmon (Yankee Fk headwaters)				
Fourth of July	Main Salmon (Yankee Fk headwaters)				
Garden	Main Salmon (M Fk – N Fk)				
Garden	Main Salmon (M Fk – N Fk)				
Garden	Main Salmon (Pahsimeroi – E Fk)				
Garden	Main Salmon (M Fk – N Fk)				
Hammerean	N Fk Salmon River				
Hannah Slough	Main Salmon (Pahsimeroi – E Fk)		11	723,322	4,931,968
Harmony Mine Fk	Lemhi River	Withington Cr.	12	278,319	4,989,785
Hawley	Lemhi River		12	327,092	4,948,608
Hawley	Lemhi River		12	328,748	4,949,161
Hawley	Lemhi River		12	324,494	4,947,181
Hawley	Lemhi River		12	32,541	4,947,392
Hillside	Pahsimeroi River		12	296,635	4,915,266
Horse	Main Salmon (below M Fk)				
Horse	Main Salmon (below M Fk)				
Horse	Main Salmon (below M Fk)				
Hot Springs	Main Salmon (Pahsimeroi - E Fk)		11	724,676	4,933,694
Hot Springs	Main Salmon (Pahsimeroi - E Fk)		11	724,499	4,933,959
Hot Springs	Main Salmon (Pahsimeroi - E Fk)		11	724,965	4,933,168
Hughes	N Fk Salmon River				
Hughes W Fk	N Fk Salmon River				
Indian	Main Salmon (M Fk - N Fk)				
Iron	Main Salmon (Yankee Fk headwaters)				
Jordan	Main Salmon (E Fk - Yankee Fk)				
Jordan	Main Salmon (E Fk - Yankee Fk)				
Jordan	Main Salmon (E Fk - Yankee Fk)				
Jordan	Main Salmon (E Fk - Yankee Fk)				
Kinnikinic	Main Salmon (E Fk - Yankee Fk)		11	707,477	4,903,638
Kinnikinic	Main Salmon (E Fk - Yankee Fk)		11	706,965	4,905,779
Kinnikinic	Main Salmon (E Fk - Yankee Fk)		11	706,745	4,906,533
Kitchen	Main Salmon (below M Fk)				
Lake	Main Salmon (M Fk - N Fk)				
Lee	Lemhi River		12	300,542	4,951,844
Lemhi	Lemhi River				
Lemhi	Lemhi River		12	290,974	4,985,919

Appendix B. Continued.

Stream name	Primary drainage	Secondary drainage	UTM zone	UTM Easting	UTM Northing
Lemhi	Lemhi River		12	280,235	4,963,489
McConn	Salmon River				
Meadow	Lemhi River	Texas Creek	12	315,856	4,922,806
Moose	Main Salmon (M Fk – N Fk)				
Morse	Pahsimeroi River				
Nez Perce W Fk	N Fk Salmon River				
Nez Perce W Fk	N Fk Salmon River				
Otter	Main Salmon (M Fk – N Fk)	Panther Cr.			
Pahsimeroi	Pahsimeroi River		12	288,421	4,909,780
Pahsimeroi	Pahsimeroi River				
Pahsimeroi E Fk	Pahsimeroi River				
Pass	Lemhi River	Eighteenmile Cr.	12		
Pattee	Lemhi River	Pattee Creek			
Pattee	Lemhi River	Pattee Creek	12	303,691	4,992,045
Pierce	N Fk Salmon River				
Pierce E Fk	N Fk Salmon River				
Pine	Main Salmon (M Fk – N Fk)				
Pine	Main Salmon (M Fk - N Fk)				
Pine	Main Salmon (M Fk - N Fk)				
Road	E Fk Salmon River				
Rough	Main Salmon (Yankee Fk headwaters)				
Sage	Main Salmon (M Fk - N Fk)				
Salzer	N Fk Salmon River				
Sheep	M Fk Salmon River				
Ship Island	M Fk Salmon River				
Slate	Main Salmon (E Fk - Yankee Fk)		11	694,366	4,902,105
Slate	Main Salmon (E Fk - Yankee Fk)		11	693,066	4,900,446
Smithy	N Fk Salmon River				
Smithy	N Fk Salmon River				
Sourdough Gulch	Lemhi River	Texas Creek	12	317,799	4,928,217
Spring	Main Salmon (M Fk - N Fk)				
Spring E Fk	Main Salmon (M Fk - N Fk)				
Squaw	Main Salmon (E Fk - Yankee Fk)				
Squaw	Main Salmon (E Fk - Yankee Fk)				
Squaw	Main Salmon (E Fk - Yankee Fk)				
Squaw	Main Salmon (E Fk - Yankee Fk)				
Stanley Lake	Main Salmon (Yankee Fk headwaters)				
Stroud	Lemhi River	Lee Creek	12	294,806	4,947,075
Stroud	Lemhi River	Lee Creek	12	299,179	4,948,948
Thompson	Main Salmon (E Fk - Yankee Fk)				
Thompson	Main Salmon (E Fk - Yankee Fk)				
Thompson	Main Salmon (E Fk - Yankee Fk)				
Thompson	Main Salmon (E Fk - Yankee Fk)				

Appendix B. Continued.

Stream name	Primary drainage	Secondary drainage	UTM zone	UTM Easting	UTM Northing
Threemile	N Fk Salmon River				
Threemile	N Fk Salmon River				
Threemile	N Fk Salmon River				
Twin	N Fk Salmon River				
Unnamed tributary	Lemhi River	Pattee Creek	12	303,647	4,991,919
Vine	N Fk Salmon River				
Wagonhammer	Main Salmon (N Fk - Lemhi)				
Wagonhammer	Main Salmon (M Fk - NFk)				
Wagonhammer	Main Salmon (N Fk - Lemhi)				
Williams	Birch Creek	Willow Creek	12	339,795	4,917,682
Williams	Main Salmon (Yankee Fk headwaters)				
Williams	Main Salmon (Yankee Fk headwaters)				
Williams	Main Salmon (Yankee Fk headwaters)				
Williams	Main Salmon (Yankee Fk headwaters)				
Williams	Main Salmon (Yankee Fk headwaters)				
Willow Creek	Birch Creek	Willow Creek		339,795	4,917,682
Wilson	M Fk Salmon River				
Withington	Lemhi River		12	279,787	4,991,238
Woods	Horse Creek				
Yankee Fork	Main Salmon (E Fk - Yankee Fk)				
Yankee Fork	Main Salmon (E Fk - Yankee Fk)				
Yankee Fork	Main Salmon (E Fk - Yankee Fk)				

2001 ANNUAL PERFORMANCE REPORT

State of: Idaho

Program: Fishery Management F-71-R-26

Project II: Technical Guidance

Subproject II-H: Salmon Region

Contract Period: July 1, 2000 to June 30. 2001

ABSTRACT

During 2001 as time allowed, project staff provided technical assistance to all requesting state, federal and tribal agencies. We submitted comments to agencies and private entities concerning outfitter/guide special use permits, tribal salmon fishing, stream habitat through private lands, subdivision impacts, stream alterations, grazing allotments, applications for installation of instream structures, bank stabilization, burying fiber optic telecommunications cable, stabilization of mine tailings, fish screening, timber sales, prescribed burns, walk and wade permits, boat ramp construction, insecticide treatment of mountain pine beetle trees, applications for irrigation diversions, hydro applications, road and bridge construction, requests for information on annual grant development programs, permits for discharging natural materials into streams, consultations concerning Endangered Species Act (ESA) issues, bridge construction and channel alterations, applications for stream restoration projects, proposals to place fill material into wetlands for irrigation system projects, water right applications, Lemhi Agreement and Attorney General office interaction. Regional personnel were an integral part of the collaboration effort with the Upper Salmon Basin Model Watershed Project to implement the ground habitat improvement measures, stream reconnects and fish migration flows. We also conducted on-site inspections of proposed, on-going and completed projects.

Idaho Department of Fish and Game personnel participated in angler informational meetings, school presentations, multi-agency and private landowner collaborative groups, and the 1-800-ASKFISH program. Of the estimated 45,000 anglers that fish in the Salmon region, approximately 90% live outside the area. Because these anglers are not familiar with our waters, we respond to over 2,500 requests for basic information on fishing opportunities, techniques, regulations and area specifics.

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OBJECTIVES

1. To provide current fisheries and habitat information, concerns, and recommendations as needed to Department habitat specialists or directly to state, federal, and private parties contemplating projects with the potential to affect fish.

2. To provide technical fish and habitat management advice to public and private landowners and other agencies in order to sustain or enhance fish resources.

METHODS

We responded to most requests for data, expertise, and recommendations from individuals, government agencies, and corporations. Project staff attended meetings, conducted field inspections, and generated responses as appropriate.

RESULTS

During 2001, we responded via letters, e-mail, field inspections, meetings, and reports to requests for technical assistance or comments on water and fishery-related matters (Table 1).

Project personnel usually contacted agencies and private landowners by telephone. Commonly, we responded to stream alteration proposals by meeting with the applicant on site, determining the nature of the situation, and sending written or verbal comments to the appropriate agency. Due to the remoteness of the Salmon Region, we were often the only agency representatives available to conduct on-site inspections.

We responded to numerous inquiries from the public (via telephone, letter and in person) about when, where, and how to participate in regional fisheries activities, ranging from steelhead angling to alpine lake fishing.

Throughout the season we reported weekly steelhead fishing results on the local radio station, in area newspapers and 1-800-ASKFISH.

Combined efforts of fisheries staff with affiliated personnel of the Upper Salmon Basin Model Watershed Project initiated stream reconnection projects on Hawley, Falls, Little Morgan and Kinnikinic creeks. Efforts of this group have also led to water savings through diversion consolidations. Another project, the L6-S12 transfer, will move water from the Salmon River to the Lemhi River to maintain the fish migration corridor.

Table 1. Responses to request for technical assistance or comments on water and fishery-related matters.

Entity	Number of requests
US Army Corps of Engineers	16
Idaho Department of Water Resources	45
Idaho Department of Lands	7
USDA Forest Service	8
Idaho Division of Environmental Quality	2
US Fish and Wildlife Service	19
Office of Species Conservation	80
NOAA	25
Shoshone-Bannock Indian Tribe	10
National Marine Fisheries Service	45
US Bureau of Reclamation	12
Private consultants	15
Idaho Outfitters and Guides Licensing Board	20
Mining Companies	4
Department of Transportation	9
City of Salmon	6
Freedom of Information Act	1
Attorney Generals Office	80
Custer County	2
Bureau of Land Management	1
U.S. Senator Mike Crapo	1
Upper Salmon Basin Model Watershed Project	65
Northwest Power Planning Council	1
Department of Energy	1
American Water Resources	2
Private landowners	50
Total	527

Fisheries staff helped private landowners form a collaborative group to deal with natural resource issues in Custer County. The Custer County Group was successful in obtaining an additional $380,000 from Bonneville Power Administration for fishery habitat improvement projects. The Lemhi Agreement was signed by all parties thus assuring 25 cfs of water in the Lemhi River for fish passage.

Because the Salmon Region has no full-time Information and Education personnel, we respond to numerous requests by local schools and the general public for fish and wildlife related programs. During 2001, Salmon Region fisheries personnel held 10 aquatic education programs with approximately 508 participants. Salmon Region Fish and Game personnel also conducted 19 wildlife education programs with approximately 934 participants. In 2001 there were 1,442 public participants in these programs.

RECOMMENDATIONS

1. Technical guidance on issues involving fishery resources in the Salmon Region should be continued to assist in maintaining fishery resources in the region.

2. Because of the number of requests for technical guidance and the potential funding for improving fishery resources in the Salmon Region, consideration should be given to adding staff to administer habitat issues.

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