FF-40 A
Revised

ANGLER USE AND HARVEST SUMMARY REPORT

Water West Fork Jarbidge River County Elko Drainage WFJRDS
Year 1975

ANGLER USE SUMMARY

Month	Number Checks	No. Ang. Checked	Hours Fished	No. Fish Caught	Ave. Fish Length	Percent Wild	Percent Hatchery	No. Parties Checked
January								
February	1	0						
March	1	0						
April								
May	2	0						3
[redacted]	5	6	6.5	9				
July								
August								1
September	4	1	4	10				
October								
November								
December								4
Total	13	7	10.5	19				
Average								

FISH HARVEST SUMMARY

Number by Size, Inches	Hatchery	Hatchery	Hatchery	Wild Sp.	Wild Sp.	Wild Sp.	Total
5" or less							
6"							
7"							
8"							
9"							
10"							
11"							
12"							
13"							
14"							
15"							
16" or over							
Total							
Average							

FISH STOCKING RECORD

Date Stocked	Species	Number	Pounds	Size	H_2O Temp	H_2O Cond	Fish Source
6/30/75	Rainbow	5075	725	7"	52	H.M	Gallagher
Total		5075	725				

STATISTICAL SUMMARY

Residence	Elko	Calif	Fallon	Clark	Washoe		
Numbers		2	1	3	1		1
Percent							

Fish/Angler Day 2.71
Fish/Angler Hour 1.81
Hours/Angler Day 1.50

Comments on Watershed, flows, Stream conditions, Angler use, etc.

1975 Survey

WEST FORK JARBIDGE RIVER

BACKGROUND

The West Fork Jarbidge River is a major stream flowing into the Snake River System from Northern Elko County, Nevada. An estimated 16 miles of this stream is within Nevada and it drains about 40 square miles of the Jarbidge Mountains. In the early part of the century extensive mining and milling occurred at Jarbidge and the lower portion of the Jarbidge River was polluted with mine tailings and effluent. The entire system is situated in a very deep, rocky canyon and the upper portion of the stream is forested with fir, pine, and aspen. The Jarbidge River is a cold water stream, low in fertility. It is the only system in Nevada with a native population of Dolly Varden Trout. Trout were stocked annually in the Jarbidge River until 1974, when the trout stocking program was reduced.

FINDINGS

Job No.: 202-3 General Research
(Days spent on this job - 6½)
Attachments: Table I

The West Fork Jarbidge River is one of the more heavily fished trout streams in Northern Nevada and has averaged 4,175 angler days per year for the past 7 years. In 1975 a total of 7 anglers were contacted during random creel checks on the West Fork Jarbidge River. These 7 anglers harvested 19 trout in 10.5 hours of fishing effort for an average success of 2.71 fish per angler day, and 1.81 fish per angler hour. Creel census over the past decade indicates that above average success is enjoyed by anglers for a stream receiving hatchery trout. Below are figures for fishing success in 1975 for other streams stocked with trout in Elko County:

Bull Run Creek---------	.73 f/hr,	5.44 f/ang.,	2,957 angler days
South Fk. Humboldt R.--	.75 f/hr,	2.26 f/ang.,	2,863 angler days
Lamoille Creek---------	4.40 f/hr,	5.50 f/ang.,	3,893 angler days
Salmon Falls R.--------	1.01 f/hr,	3.13 f/ang.,	2,612 angler days
Tabor Creek----------	2.13 f/hr,	4.53 f/ang.,	1,166 angler days
Jarbidge R.----------	1.81 f/hr,	2.71 f/ang.,	3,830 angler days

Hatchery reared trout have historically made up less than 20% of the angler harvested trout from the Jarbidge River. The wild trout average smaller in size than the hatchery reared trout, so the hatchery trout are considered more desirable by the anglers. A total of 5,075 hatchery rainbow were planted in the River on June 30, 1975 yet when the river was electro-shocked on September 24 only 7% of the 92 trout captured were of the hatchery origin. Shocking surveys on the Jarbidge River since 1960 reveal less than 10% of the trout captured are of hatchery origin.

The trout stocked in the West Fork Jarbidge River in 1975 were not stocked because it was proven biologically necessary, but because of political pressure applied for the trout stocking program. Preliminary indications reveal that the wild trout population would have been able to sustain the fishing, but

their size would have been considerably smaller than hatchery trout because the water is infertile.

Fish population inventory work was conducted in seven locations on the West Fork Jarbidge River between Snowslide Gulch and the state line. All 7 locations produced wild rainbows, and sculpin. Four locations produced hatchery rainbow and whitefish, and sucker were found on the lowermost location. The average fish per mile for 1975 was 274.0 catchables, and 495.0 subcatchables for a total of 764.0 fish per mile for wild and hatchery rainbow, in 700 feet of stream sampled. This compares to 519.2 for 1974, and 200.6 for 1954. No Dolly Varden trout were recovered, although several were caught by fishermen during this season including a 17 in Dolly Varden.

The stream was running cool with temperatures from 42°F. to 58°F. as we progressed downstream. The upper sections were very rocky with small pools and rapid water. The intermediate sections were nearly all rapids with no pools and badly eroded habitat, and the lower sections were large pools with swift water. Most of the large trout were captured in the large pools in the lowermost sections where the habitat conditions were more adequate to support larger trout and larger numbers.

RECOMMENDATIONS

1. Trout stocking in the Jarbidge River should be reduced substantially since evidence indicates the trout are not necessary to sustain the fishery.

2. Population inventory work should be continued on this heavily utilized trout stream.

3. Random creel census data should be intensified since samples taken in the past few years have been limited. More data is necessary during the 6 month period of extensive fishing use.

4. Experimental stocking of tiger trout is recommended.

Prepared by: Patrick Coffin
Patrick Coffin
Region II Fisheries Assistant

Date 4 February, 1976

WEST FORK JARBIDGE RIVER

TABLE I

DATA TABLE	1968	1969	1970	1971	1972	1973	1974	1975	AVERAGE	1961	1954
Angler days	5,119	4,251	5,212	3,927	3,164	3,720	3,830		4,175		
Fish per angler day	5.14	4.13	5.29	2.08	4.13	6.57	3.50	2.71			
Fish per angler hour	1.87	1.48	1.79	4.16	2.48	1.71	3.89	1.81			
Numbers Trout Stocked	8,045	4,500	5,267	5,212	4,803	5,000	0	5,075	4,738		
Electro-Shocking Sample	NS	NS	NS	NS	525'	NS	600'	700'		1,065'	600'
Estimated Trout Per Mile	---	---	---	---	766.2	---	519.2	764.0		525	387

FIELD TRIP REPORT

DATE: 25 Sept., 1975

PURPOSE: Population Inventory of West Fk. Jarbidge River

LOCATION: West Fk. Jarbidge River

PERSONNEL: Patrick Coffin, Rich Heap, N.D.F.& G.

DETAILS:

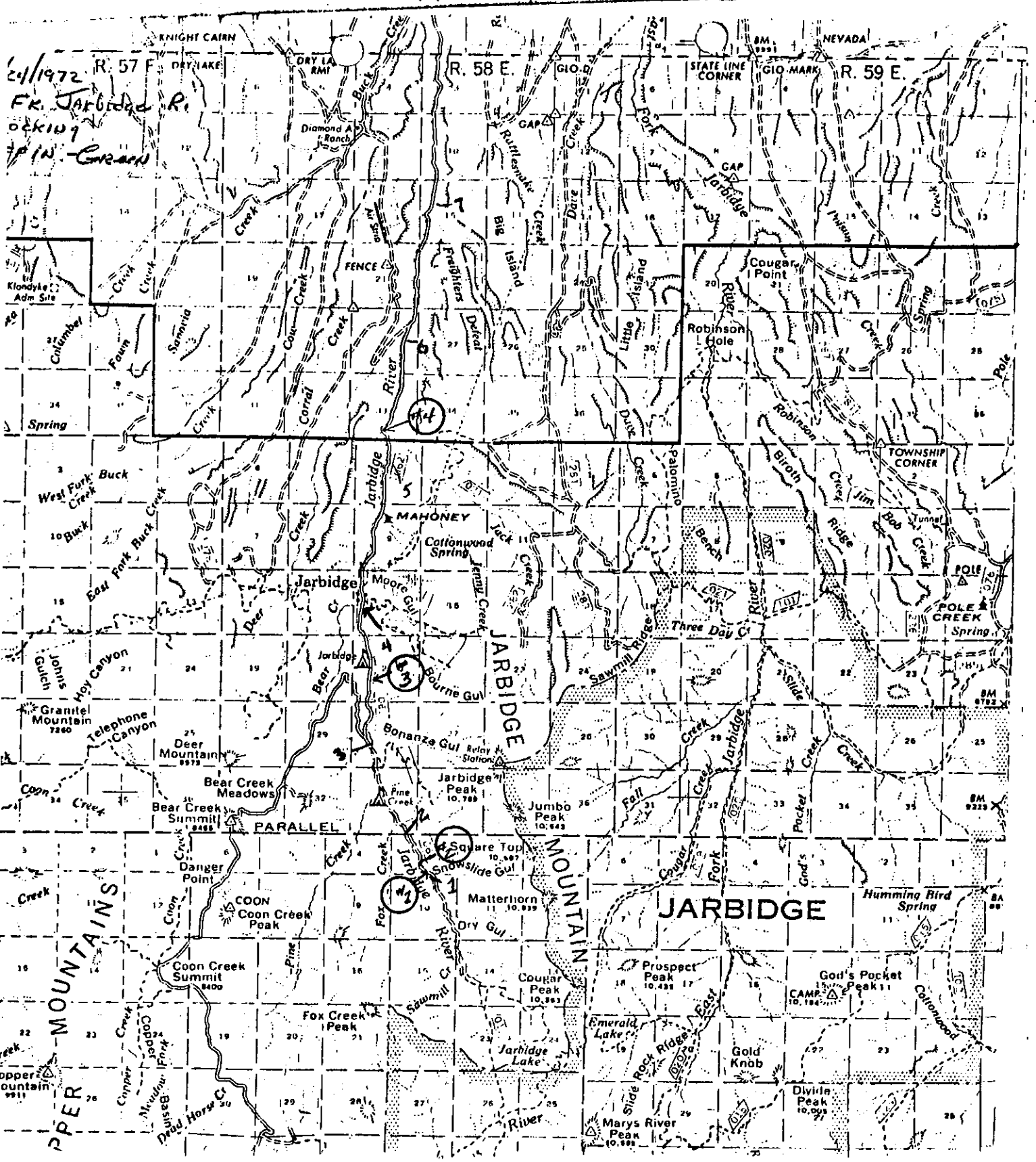
Fish population inventory work was conducted in seven locations on the West Fk. Jarbidge River between Snowslide Gulch and the state line. All 7 locations produced wild rainbows, and sculpin. Four locations produced hatchery rainbow and whitefish, and sucker were found on the lowermost location. The average fish per mile for 1975 was 274.0 catchables, and 495.0 subcatchables for a total of 764.0 fish per mile for wild and hatchery rainbow, in 700 feet of stream sampled. This compares to 519.2 for 1974, and 200.6 for 1954. No Dolly Varden trout were recovered, although several were caught by fishermen during this season including a 17 in Dolly Varden.

The stream was running cool with temperatures from 42°F. to 58°F. as we progressed downstream. The upper sections were very rocky with small pools and rapid water. The intermediate sections were nearly all rapids with no pools and badly eroded habitat, and the lower sections were large pools with swift water. Most of the large trout were captured in the large pools in the lowermost sections where the habitat conditions were more adequated to support larger trout and larger numbers.

FILE
DIVISION

Adm. ____ Fisheries Late Game ____
L. E. ____ I & E ____ Other ____
File Section Fisheries - streams
File Name West Fk Jarbidge R.
Subfile Fish population Inventory
Date 10/8/75

9/24/75
West Fk. Jarbidge River
1975 Samples
1972 Samples (1)



STREAM GAMEFISH HABITAT INVENTORY FF-16

Stream West Fk. Jarbidge River Inventory Date 9/24/75 Sample No. 1

Drain. System Jarbidge River Watershed Jarbidge Mtns. County Elko

Sample Length 100' Sample Elev. 6945 Sampled By: Coffin - Heap

Stream Length ____ Fishable Length ____ Elev. Range: From ____ To ____

Sample Location Near Confluence of Snowslide Gulch

****

Stream Type	Bottom Type	++Pool Quality++	Runoff	Turbidity
Torr. ____	%Rock 80	%Class 1 10	Flood ____	Clear X
Rapid X	%Rubble 10	%Class 2 ____	High ____	Cloudy ____
Fast ____	%Gravel ____	%Class 3 ____	Med. ____	Murky ____
Slow ____	%Sand 10	%Class 4 ____	Low X	Muddy ____
Slug. ____	%Mud ____	%Class 5 90	Int. ____	(JTU's) ____

%Pool Area 25 %Riffle Area 75 Ave. Pool Quality 5

****

Temperature, of				Flow Data	Water Chemistry
Time	Water	Air	Depth	Stream Width 14'	DO ____ ppm, Co_2 ____ ppm
10:10	42°	____	6"	Stream Depth 6"	CO_3 (Phpn ____ ppm, pH ____
____	____	____	____	Gradient% 5%	HCO_3 (MO) ____ ppm,
____	____	____	____	Velocity (f/s) ____	Conductivity (Mhos/cm) ____
____	____	____	____	Volume (cfs) ____	TDS ____ ppm
____	____	____	____	Pollution Type None	Source ____

Water Chemistry Analysis By: ____ Date ____

****

Streambank Vegetation	Major Streambank Veg.	Stream Shading & Cover	Bank Stability
%Forest 18	Alder Cottonwood	% Dense S&C ____	Stable% ____
%Brush 1	Willow %	% Heavy S&C ____	Unstable% 100
%Grass 1	____ %	% Mod. S&C 20	
%Eroded 80	____ %	% Light S&C 80	
	____ %	% Comp. Open ____	

Beaver Activity Age: None Control Needed ____

****

Seasonal Fish Food Abundance (Date)				Fish Food Organisms Present	Date
Fall	Winter	Spring	Summer	____ %	____
Excell ____	____	____	____	____ %	____
Good ____	____	____	X	Caddis %	____
Fair X	____	____	____	Stonefly %	____
Poor ____	____	____	____	____ %	____

****

Land Ownership	Grazing Pattern	Grazing Species/Season	Type Grazing Use/Season
%Private ____	Heavy ____	Cattle ____	Annual ____
%Public 100	Moderate ____	Sheep ____	Rotation ____
Agency ____	Light ____	Horses ____	____
	No Use X	Wildlife X	____

Photo Transect: Yes ____ No X Year Established ____ Trend Check ____

Description ____

****

Fishery Quality Good Gamefish Species Rainbow, Dolly Varden

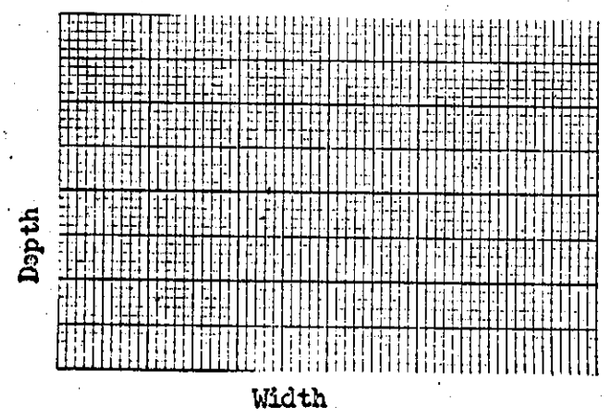
Catchables/Mile (6"+) 105.6 Subcatchables/Mile (-6") 739.2 Total 844.8

Stream Status: Improving ____ Same ____ Deteriorating ____ Time Interval ____

Original Survey: ____ Secondary Surveys Annual

****

STREAM CHANNEL PROFILE



FISH POPULATION SAMPLING

District Region II Water West Fk. Jarbidge River Date 9/24/75 Method electro-shock

Description of location sampled (area, depth, etc.) Snowslide gulch (?) Hours/Hauls/ Area/ of sample 100'

Water data: Temperature _____ Turbidity Clear Level Low

FISH COLLECTED — NUMBER BY INCH GROUP

Species	3	3½	4	4½	5	7	8	2"	2½
1 Rainbow	3		3	2	4	1	1	1	
2 Sculpin	3	2	1					2	2
3									
4									
5									
6									
7									
8									

STATISTICAL DATA

Species	Total Number	Aver. size (inches)	% Catch	Fish per net or per trap-hour	Fish per Seine- haul	Fish per shocker-hour (lakes)	Fish per mile (streams)
1 Rainbow	16	4.43	62%				Subcat. = 739.2) Catch = 105.6) 844.8
2 Sculpin	10	2.90	38%				528.0
3							
4							
5							
6							
7							
8							

Rough/game fish ratio: Number _____ Pounds _____

STREAM GAMEFISH HABITAT INVENTORY FF-16

Stream West Fork Jarbidge R. Inventory Date 9/24/75 Sample No. 2

Drain. System Jarbidge R. Watershed Jarbidge Mtns. County Elko

Sample Length 100' Sample Elev. 6711 Sampled By: Coffin-Heap

Stream Length ____ Fishable Length ____ Elev. Range: From ____ To ____

Sample Location George Gulch confluence

****

Stream Type	Bottom Type	++Pool Quality++	Runoff	Turbidity
Torr. ____	%Rock 70	%Class 1 25%	Flood ____	Clear X
Rapid X	%Rubble 25	%Class 2 ____	High ____	Cloudy ____
Fast ____	%Gravel ____	%Class 3 ____	Med. ____	Murky ____
Slow ____	%Sand 5	%Class 4 ____	Low X	Muddy ____
Slug. ____	%Mud ____	%Class 5 75%	Int. ____	(JTU's) ____

%Pool Area ____ %Riffle Area ____ Ave. Pool Quality ____

****

Temperature, of

Time	Water	Air	Depth
11:05	46°		S

Flow Data
Stream Width 5'
Stream Depth 12"
Gradient% 7%
Velocity(f/s) ____
Volume(cfs) ____

Water Chemistry
DO ____ ppm, Co_2 ____ ppm
CO_3(Phpn ____ ppm, pH ____
HCO_3(MO) ____ ppm,
Conductivity (Mhos/cm) ____
TDS ____ ppm

Pollution Type ____ Source ____

Water Chemistry Analysis By: ____ Date ____

****

Streambank Vegetation

%Forest ____
%Brush ____
%Grass ____
%Eroded ____

Major Streambank Veg.

% 20
%
%
% 80
%

Stream Shading & Cover

% Dense S&C ____
% Heavy S&C ____
% Mod. S&C ____
% Light S&C 100%
% Comp. Open ____

Bank Stability

Stable% 20
Unstable% 80

Beaver Activity Age: ____ Control Needed ____

****

Seasonal Fish Food Abundance(Date)

	Fall	Winter	Spring	Summer
Excell				
Good				
Fair				
Poor				

Fish Food Organisms Present		Date
	%	
	%	
	%	
	%	
	%	

****

Land Ownership	Grazing Pattern	Grazing Species/Season	Type Grazing Use/Season
%Private ____	Heavy ____	Cattle ____	Annual ____
%Public 100%	Moderate ____	Sheep ____	Rotation ____
Agency USFS	Light ____	Horses ____	
	No Use ____	Wildlife ____	

Photo Transect: Yes ___ No ___ Year Established ____ Trend Check ____

Description ____

****

Fishery Quality Good Gamefish Species Rainbow, Dolly Varden

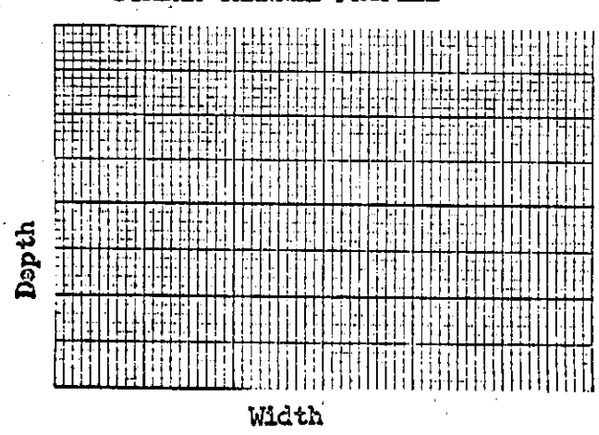
Catchables/Mile(6"+) 52.8 Subcatchables/Mile(-6") 475.2 Total 528.0

Stream Status: Improving ____ Same ____ Deteriorating ____ Time Interval ____

Original Survey: 1954 Secondary Surveys Annual

****

STREAM CHANNEL PROFILE



FISH POPULATION SAMPLING

District _____ Water West Fork Jarbidge River Date 9/24/75 Method electro-shocking

Description of location sampled (area, depth, etc.) Gorgee Gulch confluence Hours/Hauls/ Area/ of sample 100'

Water data: Temperature 42° Turbidity Low- Clear Level Low

FISH COLLECTED — NUMBER BY INCH GROUP

Species	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½
1 Rainbow			2		5	1	1			1		
2 Sculpin	1	1	9	3	2							
3												
4												
5												
6												
7												
8												

STATISTICAL DATA

Species	Total Number	Aver. size (inches)	% Catch	Fish per net or per trap-hour	Fish per Seine- haul	Fish per shocker-hour (lakes)	Fish per mile (streams)
1 Rainbow	10	4.2"	37%				Catch = 52.8) Subcat. = 475.2) 528.0
2 Sculpin	17		63%				897.6
3							
4							
5							
6							
7							
8							

Rough/game fish ratio: Number _____ Pounds _____

STREAM GAMEFISH HABITAT INVENTORY

FF-16

Stream West Fork Jarbidge River Inventory Date 9/24/75 Sample No. 3

Drain. System _____ Watershed _____ County _____

Sample Length 150' Sample Elev. 6455 Sampled By: Coffin - Heap

Stream Length _____ Fishable Length _____ Elev. Range: From _____ To _____

Sample Location Bridge above Paulok Grade

****

Stream Type	Bottom Type	++Pool Quality++	Runoff	Turbidity
Torr.	%Rock	%Class 1 5%	Flood	Clear X
Rapid	%Rubble 60	%Class 2	High	Cloudy
Fast X	%Gravel 20	%Class 3	Med.	Murky
Slow	%Sand 20	%Class 4	Low X	Muddy
Slug.	%Mud	%Class 5 95%	Int.	(JTU's)

%Pool Area 20 %Riffle Area 80 Ave. Pool Quality 5

****

Temperature, of Time	Water	Air	Depth
11:55	47		S

Flow Data
Stream Width 20'
Stream Depth 6
Gradient% 5%
Velocity(f/s)
Volume(cfs)
Pollution Type _____ Source _____

Water Chemistry
DO _____ ppm, Co_2 _____ ppm
CO_3(Phpn _____ ppm, pH _____
HCO_3(MO) _____ ppm,
Conductivity (Mhos/cm) _____
TDS _____ ppm

Water Chemistry Analysis By: _____ Date _____

****

Streambank Vegetation	Major Streambank Veg.	Stream Shading & Cover	Bank Stability
%Forest	%	% Dense S&C	Stable%
%Brush	%	% Heavy S&C	Unstable% 100%
%Grass	%	% Mod. S&C	
%Eroded	% 100%	% Light S&C	
	%	% Comp. Open 100%	

Beaver Activity Age: _____ Control Needed _____

****

Seasonal Fish Food Abundance(Date)	Fall	Winter	Spring	Summer
Excell				
Good				
Fair				
Poor				

Fish Food Organisms Present	%	Date

****

Land Ownership	Grazing Pattern	Grazing Species/Season	Type Grazing Use/Season
%Private	Heavy	Cattle	Annual
%Public 100	Moderate	Sheep	Rotation
Agency USFS	Light	Horses	
	No Use	Wildlife	

Photo Transect: Yes __ No __ Year Established _____ Trend Check _____

Description _____

****

Fishery Quality Fair Gamefish Species Rainbow

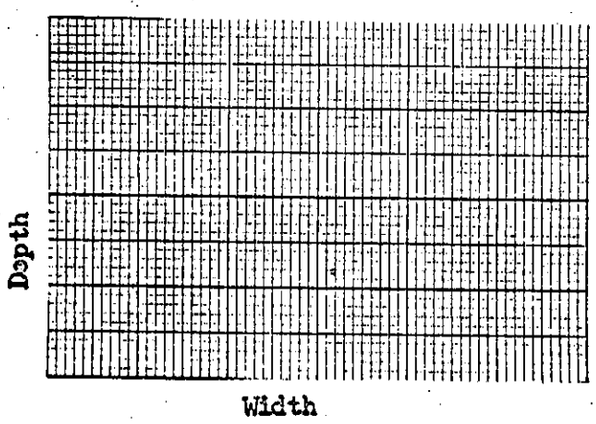
Catchables/Mile(6"+) 35.2 Subcatchables/Mile(-6") 246.4 Total 281.6

Stream Status: Improving ____ Same ____ Deteriorating X Time Interval _____

Original Survey: 1954 Secondary Surveys Annual

****

STREAM CHANNEL PROFILE



FISH POPULATION SAMPLING

District _____ Water West Fk. Jarbidge River Date 9/24/75 Method electro-shock

Description of location sampled (area, depth, etc.) bridge above Paulok Grade (7) Hours/Hauls/ Area/ of sample 150'

Water data: Temperature 47° Turbidity Clear Level Low

FISH COLLECTED — NUMBER BY INCH GROUP

Species	1½	2	2½	3	3½	4	4½	5	5½	6	6½	7
1 Rainbow				3				3	1			1
2 Sculpin	1	5	2	1	3	3						
3												
4												
5												
6												
7												
8												

STATISTICAL DATA

Species	Total Number	Aver. size (inches)	% Catch	Fish per net or per trap-hour	Fish per Seine- haul	Fish per shocker-hour (lakes)	Fish per mile (streams)
1 Rainbow	8	4.56	36%				Catch = 35.2) Subcat. =246.4) =281.6
2 Sculpin	14	3.00	54%				492.8
3							
4							
5							
6							
7							
8							

Rough/game fish ratio: Number _____ Pounds _____

STREAM GAMEFISH HABITAT INVENTORY FF-16

Stream West Jarbidge R. Inventory Date 9/24/75 Sample No. 4

Drain. System _____ Watershed _____ County _____

Sample Length 100' Sample Elev. 6241 Sampled By: Coffin - Heap

Stream Length _____ Fishable Length _____ Elev. Range: From _____ To _____

Sample Location South Jarbidge Town Limit

****

Stream Type	Bottom Type	++Pool Quality++	Runoff	Turbidity
Torr.	%Rock	%Class 1	Flood	Clear X
Rapid	%Rubble 40	%Class 2	High	Cloudy
Fast X	%Gravel 40	%Class 3 10%	Med.	Murky
Slow	%Sand 20	%Class 4	Low X	Muddy
Slug.	%Mud	%Class 5 90%	Int.	(JTU's)

%Pool Area _____ %Riffle Area _____ Ave. Pool Quality _____

****

Time	Temperature, of Water	Air	Depth
12:30	51°		

Flow Data
Stream Width 24'
Stream Depth 7"
Gradient% _____
Velocity(f/s) _____
Volume(cfs) _____
Pollution Type _____ Source _____

Water Chemistry
DO _____ ppm, Co_2 _____ ppm
CO_3(Phpn _____ ppm, pH _____
HCO_3(MO) _____ ppm,
Conductivity (Mhos/cm) _____
TDS _____ ppm

Water Chemistry Analysis By: _____ Date _____

****

Streambank Vegetation
%Forest _____
%Brush _____
%Grass _____
%Eroded _____

Major Streambank Veg.
_____ %
_____ %
_____ %
_____ % 100
_____ %

Stream Shading & Cover
% Dense S&C _____
% Heavy S&C _____
% Mod. S&C _____
% Light S&C _____
% Comp. Open 100

Bank Stability
Stable% _____
Unstable% 100

Beaver Activity Age: _____ Control Needed _____

****

Seasonal Fish Food Abundance(Date)

	Fall	Winter	Spring	Summer
Excell				
Good				
Fair				
Poor				

Fish Food Organisms Present — Date
_____ % _____
_____ % _____
_____ % _____
_____ % _____
_____ % _____

****

Land Ownership
%Private _____
%Public _____
Agency _____

Grazing Pattern
Heavy _____
Moderate _____
Light _____
No Use _____

Grazing Species/Season
Cattle _____
Sheep _____
Horses _____
Wildlife _____

Type Grazing Use/Season
Annual _____
Rotation _____

Photo Transect: Yes __ No __ Year Established _____ Trend Check _____

Description _____

****

Fishery Quality Fair Gamefish Species Rainbow, Whitefish

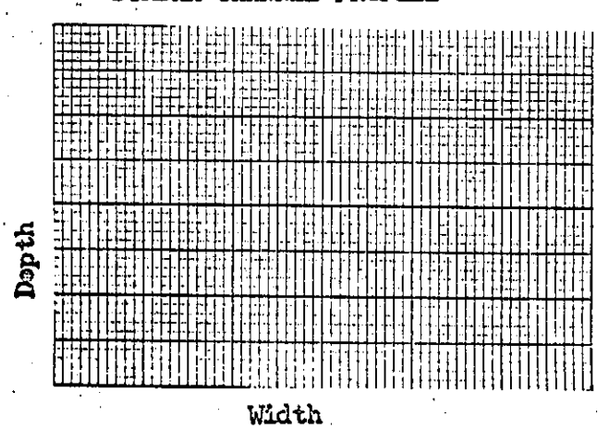
Catchables/Mile(6"+) 158.4 Subcatchables/Mile(-6") 105.6 Total 264.0

Stream Status: Improving ____ Same ____ Deteriorating ____ Time Interval _____

Original Survey: _____ Secondary Surveys _____

****

STREAM CHANNEL PROFILE



FISH POPULATION SAMPLING

District _____ Water West Fk. Jarbidge R. Date 9/24/75 Method Electro-Shock

Description of location sampled (area, depth, etc.) South Jarbidge City Limits (4) Hours/Hauls/ Area/ of sample 100'

Water data: Temperature 51° Turbidity Clear Level Low

FISH COLLECTED — NUMBER BY INCH GROUP

Species	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9	10								
1 Rainbow							2		1															
2 Whitefish																1								
3 Sculpin	2	2	2		1		1																	
4 Hatchery Rainbow											1				1									
5																								
6																								
7																								
8																								

STATISTICAL DATA

Species	Total Number	Aver. size (inches)	% Catch	Fish per net or per trap-hour	Fish per Seine- haul	Fish per shocker-hour (lakes)	Fish per mile (streams)
1 Wild Rainbow	3	5.33	21%				Subcat = 105.6) Catch = 52.8) 158.4
2 Hatchery Rainbow	2	8.00	14%				Catch = 105.6
3 Whitefish	1	10.00	8%				52.8
4 Sculpin	8	3.00	57%				422.4
5							
6							
7							
8							

Rough/game fish ratio: Number _____ Pounds _____

STREAM GAMEFISH HABITAT INVENTORY FF-16

Stream West Fk. Jarbidge R. Inventory Date 9/24/75 Sample No. 5

Drain. System _____ Watershed _____ County _____

Sample Length 75' Sample Elev. 5900 Sampled By: Coffin - Heap

Stream Length _____ Fishable Length _____ Elev. Range: From _____ To _____

Sample Location ½ mile below Jarbidge dumpground near Jack Crk. road

****

Stream Type	Bottom Type	++Pool Quality++	Runoff	Turbidity
Torr.	%Rock	%Class 1 50%	Flood	Clear X
Rapid	%Rubble 50	%Class 2	High	Cloudy
Fast x	%Gravel	%Class 3	Med.	Murky
Slow	%Sand 50	%Class 4	Low X	Muddy
Slug.	%Mud	%Class 5 50%	Int.	(JTU's)

%Pool Area 50 %Riffle Area 50 Ave. Pool Quality 1 & 5

****

Temperature, of Time	Water	Air	Depth
1:45	58°		

Flow Data
Stream Width 10'
Stream Depth 15"
Gradient% _____
Velocity(f/s) _____
Volume(cfs) _____
Pollution Type _____ Source _____

Water Chemistry
DO _____ ppm, Co_2 _____ ppm
CO_3(Phpn _____ ppm, pH _____
HCO_3(MO) _____ ppm,
Conductivity (Mhos/cm) _____
TDS _____ ppm

Water Chemistry Analysis By: _____ Date _____

****

Streambank Vegetation	Major Streambank Veg.	Stream Shading & Cover	Bank Stability
%Forest	% 25	% Dense S&C	Stable% 10%
%Brush	%	% Heavy S&C	Unstable% 90%
%Grass	%	% Mod. S&C	
%Eroded	% 75	% Light S&C 10%	
	%	% Comp. Open 90%	

Beaver Activity Age: _____ Control Needed _____

****

Seasonal Fish Food Abundance(Date)	Fall	Winter	Spring	Summer
Excell				
Good				
Fair				
Poor				

Fish Food Organisms Present	%	Date

****

Land Ownership	Grazing Pattern	Grazing Species/Season	Type Grazing Use/Season
%Private	Heavy	Cattle	Annual
%Public	Moderate	Sheep	Rotation
Agency	Light	Horses	
	No Use	Wildlife	

Photo Transect: Yes No Year Established _____ Trend Check _____

Description _____

****

Fishery Quality Fair Gamefish Species Rainbow, Whitefish

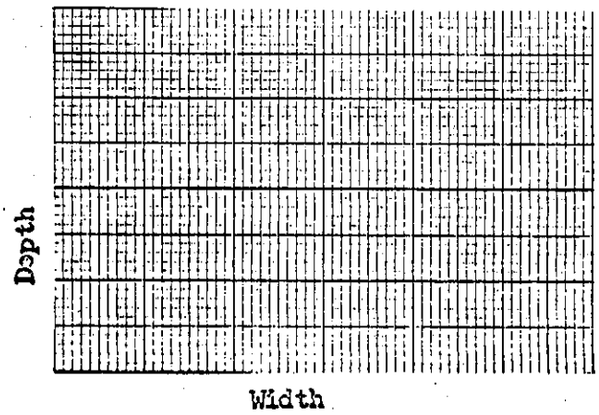
Catchables/Mile(6"+) 281.6 Subcatchables/Mile(-6") 422.4 Total 704.0

Stream Status: Improving _____ Same _____ Deteriorating _____ Time Interval _____

Original Survey: _____ Secondary Surveys _____

****

STREAM CHANNEL PROFILE



FISH POPULATION SAMPLING

District _____ Water West Fk. Jarbidge R. Date 9/24/75 Method ~~electro-shock~~

Description of location sampled (area, depth, etc.) ½ mile below dump near Jack Creek Road Hours/Hauls/ Area/ of sample 75'

Water data: Temperature 58° 1:45 p.m. Turbidity Clear Level Low

FISH COLLECTED — NUMBER BY INCH GROUP

Species	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	10½	11	11½	12						
1 Rb., Wild			3	1	1	1			3																
2 Whitefish									2				1						2						
3 Rb., Hatchery									1																
4 Sculpin	1	1																							
5																									
6																									
7																									
8																									

STATISTICAL DATA

Species	Total Number	Aver. size (inches)	% Catch	Fish per net or per trap-hour	Fish per Seine- haul	Fish per shocker-hour (lakes)	Fish per mile (streams)
1 Wild Rainbow	9	5.33	53%				Catch = 211.2) Subcatch = 422.4) 633.6
2 Hatchery Rainbow	1	7.00	6%				70.4
3 Whitefish	5	9.40	29%				352.0
4 Sculpin	2	3.25	12%				140.8
5							
6							
7							
8							

Rough/game fish ratio: Number _____ Pounds _____

STREAM GAMEFISH HABITAT INVENTORY FF-16

Stream West Fk. Jarbidge R. Inventory Date 9/24/75 Sample No. 6

Drain. System _____ Watershed _____ County _____

Sample Length 100' Sample Elev. 5700 Sampled By: Coffin - Heap

Stream Length 100' Fishable Length _____ Elev. Range: From _____ To _____

Sample Location 200' Upstream from Deer Creek Crossing

****

Stream Type	Bottom Type	++Pool Quality++	Runoff	Turbidity
Torr.	%Rock	%Class 1 10%	Flood	Clear X
Rapid	%Rubble 95	%Class 2	High	Cloudy
Fast X	%Gravel 5	%Class 3	Med.	Murky
Slow	%Sand	%Class 4	Low X	Muddy
Slug.	%Mud	%Class 5 90%	Int.	(JTU's)

%Pool Area 20 %Riffle Area 80 Ave. Pool Quality 5

****

Temperature, of Time	Water	Air	Depth	Flow Data	Water Chemistry
2:30pm	56°		S	Stream Width 12'	DO ppm, Co_2 ppm
				Stream Depth 12"	CO_3(Phpn ppm, pH
				Gradient%	HCO_3(MO) ppm,
				Velocity(f/s)	Conductivity (Mhos/cm)
				Volume(cfs)	TDS ppm
				Pollution Type	Source

Water Chemistry Analysis By: _____ Date _____

****

Streambank Vegetation	Major Streambank Veg.	Stream Shading & Cover	Bank Stability
%Forest	% 70	% Dense S&C	Stable% 80
%Brush	% 20	% Heavy S&C	Unstable% 20
%Grass	% 10	% Mod. S&C 50	
%Eroded	% 100	% Light S&C 50	
	%	% Comp. Open	

Beaver Activity Age: _____ Control Needed _____

****

Seasonal Fish Food Abundance(Date)	Fall	Winter	Spring	Summer	Fish Food Organisms Present	%	Date
Excell							
Good							
Fair							
Poor							

****

Land Ownership	Grazing Pattern	Grazing Species/Season	Type Grazing Use/Season
%Private	Heavy	Cattle	Annual
%Public	Moderate	Sheep	Rotation
Agency	Light	Horses	
	No Use	Wildlife	

Photo Transect: Yes No Year Established _____ Trend Check _____

Description _____

****

Fishery Quality Good Gamefish Species Rainbow, Whitefish

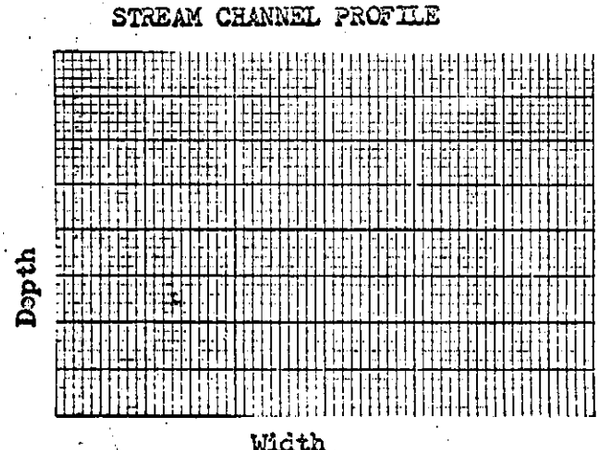
Catchables/Mile(6"+) 369.6 Subcatchables/Mile(-6") 528.0 Total 897.6

Stream Status: Improving Same Deteriorating Time Interval _____

Original Survey: _____ Secondary Surveys _____

****

STREAM CHANNEL PROFILE



FISH POPULATION SAMPLING

District _____ Water West Fk. Jarbidge River Date 9/24/75 Method electro-Shock

Description of location sampled (area, depth, etc.) Deer Creek confluence (2) Hours/Hauls/ Area/ of sample 100'

Water data: Temperature 56° 2:30 pm Turbidity Clear Level Low

FISH COLLECTED — NUMBER BY INCH GROUP

Species	1	1½	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10						
1 Rainbow		2	1		2		2	1	2		4		1												
2 Whitefish														1					1						
3 Sculpin			1	4	3	2	2																		
4 Hatchery Rainbow													1		1										
5																									
6																									
7																									
8																									

STATISTICAL DATA

Species	Total Number	Aver. size (inches)	% Catch	Fish per net or per trap-hour	Fish per Seine- haul	Fish per shocker-hour (lakes)	Fish per mile (streams)
1 Wild Rainbow	15	4.30	48%				Catch =264.0) Subcat.=528.0) 792.0
2 Hatchery Rainbow	2	7.50	6½%				Catch = 105.6
3 Whitefish	2	8.75	6½%				105.6
4 Sculpin	12	3.00	39%				633.6
5							
6							
7							
8							

Rough/game fish ratio: Number _____ Pounds _____

STREAM GAMEFISH HABITAT INVENTORY

FF-16

Stream West Fk. Jarbidge R. Inventory Date 9/24/75 Sample No. 7

Drain. System _____ Watershed _____ County Elko

Sample Length 75' Sample Elev. 5500' Sampled By: Coffin - Heap

Stream Length _____ Fishable Length _____ Elev. Range: From _____ To _____

Sample Location Near freighters defeat confluence

****

Stream Type	Bottom Type	++Pool Quality++	Runoff	Turbidity
Torr.	%Rock 25	%Class 1 50%	Flood	Clear X
Rapid	%Rubble 50	%Class 2	High	Cloudy
Fast X	%Gravel	%Class 3 50%	Med.	Murky
Slow	%Sand 25	%Class 4	Low X	Muddy
Slug.	%Mud	%Class 5	Int.	(JTU's)

%Pool Area 50 %Riffle Area 50 Ave. Pool Quality 2

****

Temperature, of Time	Water	Air	Depth
3:30pm	56°		

Flow Data
Stream Width 25'
Stream Depth 12"
Gradient%
Velocity(f/s)
Volume(cfs)
Pollution Type _____ Source _____

Water Chemistry
DO _____ ppm, Co_2 _____ ppm
CO_3(Phpn _____ ppm, pH _____
HCO_3(MO) _____ ppm,
Conductivity (Mhos/cm) _____
TDS _____ ppm

Water Chemistry Analysis By: _____ Date _____

****

Streambank Vegetation	Major Streambank Veg.	Stream Shading & Cover	Bank Stability
%Forest	% 25	% Dense S&C	Stable%
%Brush	%	% Heavy S&C	Unstable% 100%
%Grass	%	% Mod. S&C 25	
%Eroded	% 75	% Light S&C	
	%	% Comp. Open 75	

Beaver Activity Age: _____ Control Needed _____

****

Seasonal Fish Food Abundance(Date)	Fall	Winter	Spring	Summer	Fish Food Organisms Present	Date
Excell					%	
Good					%	
Fair					%	
Poor					%	

****

Land Ownership	Grazing Pattern	Grazing Species/Season	Type Grazing Use/Season
%Private	Heavy	Cattle	Annual
%Public	Moderate	Sheep	Rotation
Agency	Light	Horses	
	No Use	Wildlife	

Photo Transect: Yes No Year Established _____ Trend Check _____

Description _____

****

Fishery Quality Good Gamefish Species Rainbow, Whitefish

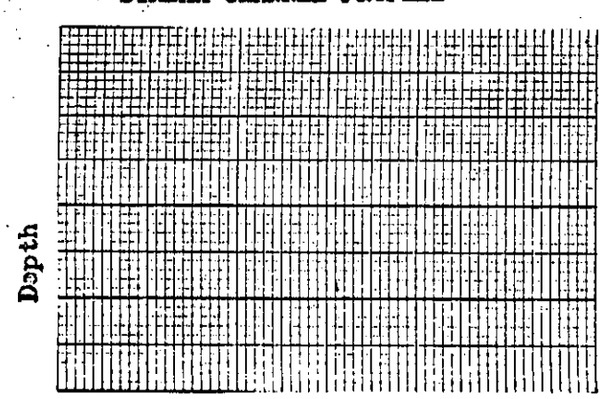
Catchables/Mile(6"+) 915 Subcatchables/Mile(-6") 915 Total 1830

Stream Status: Improving _____ Same _____ Deteriorating _____ Time Interval _____

Original Survey: _____ Secondary Surveys _____

****

STREAM CHANNEL PROFILE



FILE DIVISION

Fisheries Lake Game _____

I & E _____ Other _____

e Section Fisheries - Waters

e Name West Fk. Jarbidge River

bfile Population Inventory

Date 10/3/75

FISH POPULATION SAMPLING

District _____ Water West Fk. Jarbidge R. Date 9/24/75 Method electro-shock

Description of location sampled (area, depth, etc.) Frieghters Defeat confluence \\ Hours/Hauls/ Area/ of sample 75'

Water data: Temperature _____ Turbidity Clear Level Low

FISH COLLECTED — NUMBER BY INCH GROUP

Species	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½									
1 Wild Rb.							7		4				1	1	1		(Lost estimated 12 rainbow)								
2 Hat. Rb.													1												
3 Sculpin		1	2				1										(Lost estimated 8 sculpin)								
4 Whitefish											1		1		1		(Lost estimated 3 whitefish)								
5 Sucker					1		1																		
6																									
7																									
8																									

STATISTICAL DATA

Species	Total Number	Aver. size (inches)	% Catch	Fish per net or per trap-hour	Fish per Seine- haul	Fish per shocker-hour (lakes)	Fish per mile (streams)
1 Wild Rainbow	13+12=	25					1760.0 (46% catchables)
2 Hatchery Rainbow	1						70.4 (100% catchables)
3 Sculpin	4+12 =	16					844.8
4 Whitefish	3+6 =	9					422.4
5 Sucker	2						140.8
6							
7							
8							

Rough/game fish ratio: Number _____ Pounds _____