NDOW 1985

Field Fo 103 A

State Water Code 1208

1 of 2 Forms

USFS Code

SPECIES POPULATION INVENTORY SUMMARY

Stream W.F. Jarbidge River **Drainage** Snake River **County** Elko

Species Bull Trout (Dolly Varden) **Investigators** Layton, Williams, Fulton, Parker

Stat. #	5.1	5.2-10.2	10.3-15.2	15.3-20.3	20.4-25.4	25.5-30.5	30.6+	Total
			Centimeters					
1								0
2								0
3								0
4								0
5								0
6								0
7								0
8								0
9								0
10								0
11						1		1
12								0
TOTAL						1		1

Stat. #	Total No.	Ave. Size	Perc. Catch	Perc. 6"+	Perc. -6"	Perc. Wild	6"+/ Mile	-6"/ Mile	Total/ Mile
1	0								0
2	0								0
3	0								0
4	0								0
5	0								0
6	0								0
7	0								0
8	0								0
9	0								0
10	0								0
11	1	26.6	1	100	0	100	40.6	0	40.6
12	0								0
Aver./Stat.									

Stat. #	Stat. Length	S. Efficiency	Elev.	Water Temp.	Cond. of Fish	Date
1	190'	Fair		48°F	—	9/11/85
2	160'	Good		53°F	—	9/11/85
3	180'	Good		53°F	—	9/11/85
4	100'	Good		46°F	—	9/11/85
5	125'	Good		50°F	—	9/11/85
6	90'	Good		45°F	—	9/24/85
7	175'	Low		54°F	—	9/23/85
8	127'	Good		52°F	—	9/24/85
9	130'	Good		56°F	—	9/24/85
10	90'	Good		57.5°F	—	9/24/85
11	130'	Good		41°F	Fair	9/25/85
12	120'	Good		52°F	—	9/25/85

Field Fo 103 A

State Water Code

2 of 2 Forms

USFS Code

SPECIES POPULATION INVENTORY SUMMARY

Stream W.F. Jarbidge Drainage County

Species Bull Trout (Dolley Varden) Investigators

Stat. #	Centimeters 5.1	5.2-10.2	10.3-15.2	15.3-20.3	20.4-25.4	25.5-30.5	30.6+	Total
13								0
14								0
15	1		1					2
16		2	6	1		(1 uncaptured)		10
17								0
TOTAL	1	2	7	1	(1 uncaptured)	1		13

Stat. #	Total No.	Ave. Size	Perc. Catch	Perc. 6"+	Perc. -6"	Perc. Wild	6"+/ Mile	-6"/ Mile	Total/ Mile
13	0								0
14	0								0
15	2	8.5	20	0	100	100	0	105.6	105.6
16	10	10.5	67	10	90	100	22.5	202.2	224.7
17	0								0
Aver./Stat.							12.6 *	61.6 *	74.2 *

* Averaged for stations 11 thru 16

Stat. #	Stat. Length	S. Efficiency	Elev.	Water Temp.	Cond. of Fish	Date
13	140'	Poor		47°F	—	9/26/85
14	120'	Fair		42°F	—	9/26/85
15	100'	Fair		43°F	Fair	10/2/85
16	235'	Fair		40°F	Fair	10/2/85
17	900'	—		40°F	—	10/2/85

Office FF 105A
State Water Code 1208
USFS Code

STREAM HABITAT SURVEY SUMMARY AND ANALYSIS

State -- County	District - Forest	Resource Area - P.U.
NV Elko	Jarbidge - Humboldt Nat'l	
Drainage	**Stream**	**Location**
Snake River	W.F. Jarbidge River	T. 45-47N R. 58E Sect.
Hydrographic Region	**Hydrographic Area**	
Investigators		**Date**
Layton, Williams, Fulton, Parker		9 & 10/85

General Data

Total length of stream (mi) in Nv. 18.1

Total length of stream:	Surveyed (mi)	Percent Ownership
a. BLM	5.0	27.6
b. USFS	10.1	55.8
c. Public, other		
d. Private	3.0	16.6

Total No. Sample Stations: 17

a. USFS	9
b. BLM	6
c. Public, other	
d. Private	2

Total of all stream width measurements (m)	488.6
Total channel width (m)	1067.7
Total width - all pools (m)	115.2
Total width of all pools classed 1, 2 and 3 (m)	57.0
Total meters of desirable bottom materials (m)	435.5
Total spawning gravels (m)	77.4
Sum of cover ratings	1178
Sum of stability ratings	1325
Elevation: (M.S.L.)	
a. Lowest	5350'
b. Highest	8750'
Multiple use zones	
Number of camera points	
Channel stability evaluation:	
Number of rating points	15
Total of all ratings	1232
Average score	82
Average score value	Fair
Average bank sensitivity	
Sum of livestock use & damage	
Average score	
% livestock use & damage	

Limiting Factors

Percent of total stream width in pools	24
Pool-riffle ratio, % optimum	48
Pool quality, % optimum	49
Percent of stream bottom with desirable materials	89
Bank cover, % optimum	69
Bank stability, % optimum	78
Percent of habitat optimum	67

Average depth of stream (m)	0.17
Average width of stream (m)	5.7
Percent of stream shaded	19
Percent of bottom with clinging vegetation	3.0
Percent sedimentation	7.0
Percent of bottom with rooted vegetation	0.1
Average stream gradient (%)	4.1
Percent landform gradient RB	25.4
LB	28.6
Average stream velocity (m/s)	0.49
Stream discharge (c.m.s.)	0.35
Average water temperature: (°F or °C)	48
Max.	57.5
Min.	40
Turbidity description	Cloudy/Clear
Access: (mi)	
a. Remote	
b. Low standard trails	4.3
c. Improved trails	
d. Low standard roads	
e. Improved roads	13.8
Water quality analysis:	
a. Hach kit	X
b. Chemical	
c. Coli	

Field Fr 103 A

State Water Code 1208

1 of 2 Forms

USFS Code

SPECIES POPULATION INVENTORY SUMMARY

Stream W.F. Jarbidge River Drainage Snake River County Elko

Species Bull Trout (Dolly Varden) Investigators Layton, Williams, Fulton, Parker

Stat. #	5.1	5.2-10.2	10.3-15.2	15.3-20.3	20.4-25.4	25.5-30.5	30.6+	Total
			Centimeters					
1								0
2								0
3								0
4								0
5								0
6								0
7								0
8								0
9								0
10								0
11						1		1
12								0
TOTAL						1		1

Stat. #	Total No.	Ave. Size	Perc. Catch	Perc. 6"+	Perc. -6"	Perc. Wild	6"+/ Mile	-6"/ Mile	Total/ Mile
1	0								0
2	0								0
3	0								0
4	0								0
5	0								0
6	0								0
7	0								0
8	0								0
9	0								0
10	0								0
11	1	26.6	1	100	0	100	40.6	0	40.6
12	0								0
Aver./Stat.									

Stat. #	Stat. Length	S. Efficiency	Elev.	Water Temp.	Cond. of Fish	Date
1	190'	Fair		48°F 9	—	9/11/85
2	160'	Good		53°F 11.5	—	9/11/85
3	180'	Good		53°F 11.5	—	9/11/85
4	100'	Good	groundwater?	46°F 8	—	9/11/85
5	125'	Good		50°F 9.8	—	9/11/85
6	90'	Good		45°F 7	—	9/24/85
7	175'	Low		54°F 12	—	9/23/85 error
8	127'	Good	groundwater?	52°F 11	—	9/24/85
9	130'	Good		56°F 13	—	9/24/85
10	90'	Good		57.5°F 14	—	9/24/85
11	130'	Good		41°F 4.7	Fair	9/25/85

Field Fr 103 A

State Water Code _____

2 of 2 Forms

USFS Code _____

SPECIES POPULATION INVENTORY SUMMARY

Stream W.F. Jarbidge **Drainage** _____ **County** _____

Species Bull Trout (Dolley Varden) **Investigators** _____

Stat. #	Centimeters 5.1	5.2-10.2	10.3-15.2	15.3-20.3	20.4-25.4	25.5-30.5	30.6+	Total
13								0
14								0
15	~~1~~		1					~~2~~ 1
16		2	6	1		(1 uncaptured)		10
17								0
TOTAL	1	2	7	1	(1 uncaptured)	1		13

Stat. #	Total No.	Ave. Size	Perc. Catch	Perc. 6"+	Perc. -6"	Perc. Wild	6"+/ Mile	-6"/ Mile	Total/ Mile
13	0								0
14	0								0
15	1	13.3	20	0	100	100	0	152.8	52.8
16	9 (10)	10.5	67	10	90	100	22.5	202.2	(224.7)
17	0								0
									53.02
Aver./Stat.							10.5 *	42.5*	~~24.2~~ *

* Averaged for stations 11 thru 16

Stat. #	Stat. Length	S. Efficiency	Elev.	Water Temp.	Cond. of Fish	Date
13	140'	Poor		47°F 8.2	—	9/26/85
14	120'	Fair		47°F 8.2	—	9/26/85
15	100'	Fair		43°F 6	Fair	10/2/85
16	235'	Fair		40°F 4.3	Fair	10/2/85
17	900'	—		40°F 4.3	—	10/2/85

Office FF 103B

West Fork JR

Species Bull Trout (Dolly Varden)

Length of stream with sport fish 5.5 miles

Average number subcatchables/mile ~~61.6~~ 42.5

Average number catchables/mile ~~12.6~~ 10.5

Total number of subcatchables 339 234

Total number of catchables 69 58

Population total for species ~~408~~ 292 (816 with 50% capture rate in single pass method)

Species

Length of stream with rough fish

Average number/mile

Total population for species

NEVADA DEPARTMENT OF FISH AND GAME
STREAM HABITAT SURVEY FORM

Water Code _____
____ of ____ Forms

Stream	Drainage System	Sample Location T R Sec.	County	Survey Station No.	Date of Survey
W.F. Jarbidge			Elko	11	9-25-85

and Status	Land Agency Unit Name	Investigators
		Layton, Williams, Parker, Fulton

Game Fish Species	Non Game Fish Species	Endangered-Threatened Species	U.S.F.S. Stream Code
2, DV, WF	Sculpin	—	

Transect Number 11	Water Width 12	Channel Width 13	Riffle Class 14	Average Depth 15	Pools Width 16	Pools Class 17	Pools Features 18	Pools Location 19	Aquatic Vegetation 20	Organic Debris 21	Muck 22	Clay 23	Silt 24	Sand 25	0.1-1" Fine Gravel 26	Coarse 1-3" Gravel 27	Small 3-6" Rubble 28	Large 6-12" Rubble 29	>12" Boulders 30	Bedrock 31	Imbed. Dominance 32	Imbed. Imbed. 33	Imbed. Size 34	Left Bank Cover 35	Left Bank Stability 36	Left Bank Landform Gradient 37	Left Bank Ungulate Damage 38	Left Bank Riparian Zone 39	Right Bank Cover 40	Right Bank Stability 41	Right Bank Landform Gradient 42	Right Bank Ungulate Damage 43	Right Bank Riparian Zone 44
1	9.4	13.4	3 4 6	.14	.8	4	1	LC	–	.4			.2		1.9	2.2	2.3	1.0	1.4		4	4	2	3 7	8	10	0	8	2 4 8	5	12	0	20
2	5.6	12.1	3 4 8	.13	—	—	—	—	.3 C						.5	.4	1.8	.9	1.7		4	3	3	5 7	8	10	0	6	1 3 5 7	8	10	0	20
3	5.7	9.5	—	.99	5.7	2		X	.2	3 4						.2	.5		1.4		6	1	4	1 3 5 7	7	14	0	6	1 3 5 7	7	13	0	20
4	3.4	13.2	5	.89	—	—	—	—	.1 C						.7	.3	.2	.3	1.8		6	3	4	3 7	8	13	0	8	3 5 7	8	20	0	15
5	11.2	17.3	2 3 4	.13	.5	5	1	L	.5 C	2.0					2.8	.5	1.8	.9	2.7		2	5	4	3 5 7	8	5	0	6	6 8	3	32	0	20
		5			.9	5	1	C																									
					.3	5	1	CR																									
					.5	5	1	RC																									
					.3	5	1	R																									
5	35.3	65.5		.98	9.0	5.7			1.1	5.8			.2		5.9	3.6	6.6	3.1	9.0					31	39	52	0		37	31	87	0	

Access Road, Temperature; Water 41° Air ____ Time MM Weather _____ Elevation _____
Turbidity Clear State Water Quality Class ____ Discharge (cms) ____ Water Chemistry Analysis Type _____
Beaver Activity Status Sat, Unocc. Old evid. Geological Land Form V Valley Vegetative Type _____
Valley Bottom Width 30m Geology _____ Gradient(%) 1, 2, 2 Velocity ____ m/sec Streamflow Type _____
% Stream Shaded 10 Ungulate Class none Ungulate Use none Fish Population Sampled Obs
Invertebrates Seepop Photo Points: Upstream ____ Downstream ____ Cross Channel ____ General _____
Vegetative Species Seepop
Fishery Quality Good Reason _____
Pollution Problems Oil film on surface – ~~poss. mining activity upstream~~ – Truck overturned in river
Longitude ____ ____ ____ ____ ____ Latitude ____ ____ ____

- abundant algae growth on rocks
- occasional separated flow due to low flow and boulder/rubble deposit/debris
- clinging aquatic is mosses
- stream within str. changes from wide shallow profile to a narrow deeper profile ~~and~~

Flow. w - 6.5'
D - 8.0"
vel. - 20'/10.2 sec.

STREAM HABITAT SURVEY FORM

____ of ____ Forms

ream	Drainage System	Sample Location T R Sec.	County	Survey Station No.	Date of Survey
NF Jarbidge	JRDS		ELKO	S-15	10-2-85

nd Status	Land Agency Unit Name	Investigators
		Fulton Williams Layton

me Fish Species	Non Game Fish Species	Endangered-Threatened Species	U.S.F.S. Stream Code
R.B/D.V	Sculpin		

Water Surface					Pools				Stream Bottom												Stream Bank: Imbed.			Left Bank					Right Bank				
Transect Number	Water Width	Channel Width	Riffle Class	Average Depth	Width	Class	Features	Location	Aquatic Vegetation	Organic Debris	Muck	Clay	Silt	Sand	0.1-1" Fine Gravel	Coarse 1-3" Gravel	Small 3-6" Rubble	Large 6-12" Rubble	>12" Boulders	Bedrock	Dominance	Imbed.	Size	Cover	Stability	Landform Gradient	Ungulate Damage	Riparian Zone Wd	Cover	Stability	Landform Gradient	Ungulate Damage	Riparian Zone Wd
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
1	3.4	4.0	3/4	.17	.7	3	8	R							1.3	.1	.4	.4	1.2	—	1	5	4	357	10	28	0	15	357	10	63	0	20
					.7	1	4	C																									
2	2.3	5.1	—	.20	2.3	3	1	X					.1	.1	.4	.1	12	.1	.3	—	4	2	2	357	8	11	0	15	357	8	80	0	20
3	3.6	5.5	3/4/5	.11	.6	5	1	L					.3	—	.2	.2	12	.6	1.1	—	4	4	2	357	8	8	0	20	357	8	38	0	20
4	2.5	6.8	3/4	.09											.4	.4	—	.6	1.1	—	6	5	1	357	8	22	0	20	357	8	30	0	20
5	3.2	6.3	3/4	.09	.4	5	1	R					.1	.1	—	.1	.9	.4	1.6	—	6	5	1	357	9	30	0	15	358	9	27	0	15
5	15.0	27.7		.66	4.7	3.7							.5	.2	2.3	.9	3.7	2.1	5.3					30	430	99	0		30	430	238	0	

ccess Remote Temperature; Water 43 Air ____ Time LM Weather ____ Elevation ____
rbidity Cloudy State Water Quality Class ____ Discharge (cms) ____ Water Chemistry Analysis Type ____
eaver Activity Status SAT UNOCC Geological Land Form ____ Vegetative Type ____
alley Bottom Width 30 Geology gr cat Gradient(%) 7/5/5 Velocity ____ m/sec Streamflow Type ____
Stream Shaded 25 Ungulate Class — Ungulate Use — Fish Population Sampled Rainbow, DV.
nvertebrates Fair Photo Points: Upstream #13 Downstream #14 Cross Channel ____ General ____
egetative Species ____
ishery Quality good Reason quality pools cold water could have effected shocking
ollution Problems Bridge but no cat out problems
ongitude ____ ____ ____ ° ____ ____ ' Latitude ____ ____ ° ____ ____ ' 3.6 22

NEVADA DEPARTMENT OF FISH AND GAME
STREAM HABITAT SURVEY FORM

Water Code _____
____ of ____ Forms.

Stream	Drainage System	Sample Location T R Sec.	County	Survey Station No.	Date of Survey
WF Jarbidge R	JRDS		ELKO	S-16	10-2-85

Land Status	Land Agency Unit Name	Investigators
		Williams, Clayton, Fulton

Game Fish Species	Non Game Fish Species	Endangered-Threatened Species	U.S.F.S. Stream Code
Dolly Vardens, Rainbow	—		

Water Surface					Pools				Stream Bottom													Stream Bank: Imbed.			Left Bank					Right Bank				
11 Transect Number	12 Water Width	13 Channel Width	14 Riffle Class	15 Average Depth	16 Width	17 Class	18 Features	19 Location	20 Aquatic Vegetation	21 Organic Debris	22 Muck	23 Clay	24 Silt	25 Sand	26 0.1-1" Fine Gravel	27 Coarse 1-3" Gravel	28 Small 3-6" Rubble	29 Large 6-12" Rubble	30 >12" Boulders	31 Bedrock	32 Dominance	33 Imbed.	34 Size	35 Cover	36 Stability	37 Landform Gradient	38 Ungulate Damage	39 Riparian Wd Zone	40 Cover	41 Stability	42 Landform Gradient	43 Ungulate Damage	44 Riparian Wd Zone
5	2.2	11.8		.25	2.2	2	15	X	—	.1				.3	1.2	.1	.3		.2		2	5	4	135	7	14	0	50	368	5	58	0	10
4	2.5	4.2	348	.10					.1 R	.2				.3	.6		.4	.5	.4		2	1	4	135	8	7	0	50	368	6	64	0	5
3	4.0	13.7	6	.07						.1									.4	3.5	6	1	1	135	8	19	0	40	135	9	7	0	20
2	1.4	6.9	58	.13	.6	3	1	R					.1		.1	.1	.5		.5	.1	4	1	3	157	8	24	0	30	157	9	16	0	15
1	2.4	6.5		.21	2.4	2	138	X		.1			.3		.3	.1	.3		1.3		6	1	3	157	8	10	0	30	157	8	65	0	10
5	12.5	43.1		.76	5.2	5.2			.1	.5			.4	.6	2.2	.3	1.5	.5	2.8	3.6				44	39	74	0		36	37	210	0	

Access Remote Temperature; Water 40 Air ____ Time 6PM Weather _____ Elevation _____
Turbidity clear State Water Quality Class ____ Discharge (cms) ____ Water Chemistry Analysis Type _____
Beaver Activity Status SAT UNDER, OLD ED. Geological Land Form _____ Vegetative Type _____
Valley Bottom Width 100 m Geology _____ Gradient(%) 5, 9, 8 Velocity ____ m/sec Streamflow Type _____
% Stream Shaded 40 Ungulate Class — Ungulate Use closed Fish Population Sampled yes
Invertebrates _____ Photo Points: Upstream ____ Downstream ____ Cross Channel ____ General _____
Vegetative Species _____
Fishery Quality Good Reason quality pools, good cover, good fish #'s
Pollution Problems —
Longitude ____ ____ ° ____ ____ ' Latitude ____ ____ ° ____ ____ '

- riparian condition good, aspen regeneration good, good fir accessory (high vigor)
- closed grazing system
- high flow cause some bank cutting and scuffing
- Fir provides for excellent bank stability, good root mass

FLOW @ T2 => 9.4 sec / 10 FT

rainage: 1
ater Code:
ounty:

Sampled By: Fulton Williams Layton

Sample No.: 5-13
Sample Length: 100'
Sample Method: dirigo

Sample Location: marked by an on bridge that has been washed out 3/4 above snow slide gulch

Fish Species	Size (mm)															Totals
Rainbow	220	198	168	108	172											5 RB
D.V.	36	133														2 DV
		miss identified - has to be a Rbt														
Sculpin	42					missed	11									1 SC

(3)

Fish Species	Conditions	% Wild	% Hatch	No. Collected
Rainbow	Fair	100		—
D.V.	Fair	100		—
Sculpin	good	100		—

WATER

Chemistry		Measurements		Tubidity
D.O.	Alkal.	Width	Discharge	Clear
CO_2	Other	Depth	Temp. 43°	Cloudy X
pH		Velocity	Gradient	Murky
				Muddy

HABITAT

Bottom (% Abundance)

Organic ____ Rubble ____
Silt ____ Boulder ____
Sand ____ Bedrock ____
Gravels ____ Other ____

Pools

Pool:Riffle ratio 40:60
% Quality type 25

% Bank Stability
Rt. 80 Lft. 80

Bank Cover

Type	Density/Vigor
Fur	High/High
Sage	
Boulder	
Aspen	Mod Low
Forb	Mod/Mod
Box Elder	Mod/Low

Riparian
Dense ____
Heavy 30
Moderate 50
Light 20
Open ____

Sedimentation
None ____
Light X
Moderate X
Heavy ____
Severe ____

% Shading 15

Photographs - No. & Description

Number	Description
	Upstream
	Downstream
80-91	General picture of Rainbow
12-13	" " " D.V

INFLUENCES

Livestock

% Utilization — % Damage —

Type damage

Beaver

Activity status Signs of old put non present

Diversion

Type and Location —

Pollution

Type and Location Bridge part has fallen in stream but causing no apparent problems

Invertebrates		Watershed		
Type	Abundance	Vegetation Type		Comments/Conditions Stable
Rock cat	com	Pine	grass forb	Gradients of High Runoff
may fly	com	Fur		Banks Holding up pretty good
Stone fly	pr	Snow		
Stick cat	pr	mahogany		
planeric	pr	grass		
		Sage		

Comments: old road on Left Bank. Apears to cause no bank eat outs
Banks stable do to a lot of root mass
Adaquete spawning gravel
Boulder make up most pools and provide most of cover by some box elder
Fair shock efficiency do to cold water
low invert pop.
one rainbow had deformed gil

Drainage: JRDS
Water Code:
County: ELKO

Sampled By: Williams Layton Fulton

Sample No.: 5-16
Sample Length: 235
Sample Method: Dirigo

Sample Location: 1 mile above -

Fish Species	Size (mm)															Totals
DV	117	112	131	126	153	136	73	73	127							9 (10)
miss 1																
Rb	189	32	155	162												4 (5)
miss 1																

Fish Species	Conditions	% Wild	% Hatch	No. Collected
Dolly V	FAIR	100	—	—
RB	GOOD	100	—	—

WATER

Chemistry		Measurements		Tubidity
D.O.	Alkal.	Width	Discharge	Clear ✓
CO_2	Other	Depth	Temp. 40°	Cloudy
pH		Velocity	Gradient	Murky
				Muddy

HABITAT

Bottom (% Abundance)

Organic
Silt
Sand
Gravels
Rubble
Boulder
Bedrock
Other

Pools

Pool:Riffle ratio 45 : 55
% Quality type 35

% Bank Stability
Rt. 80 Lft. 80

Bank Cover

Type	Density/Vigor
Fir	High / High
Box elder	mod / mod
Willow	low / mod
Aspen	mod / high
grass - forb	mod / high

Riparian

Dense
Heavy 30
Moderate 50
Light 20
Open

Sedimentation

None
Light ✓
Moderate ✓
Heavy
Severe

% Shading 40

Photographs - No. & Description

Number	Description
5,8,9	Upstream
	Downstream
3	General SIGN

14 LF barrier 5,6 DV pictures

INFLUENCES

Livestock

% Utilization —
% Damage —
Type damage closed to grazing

Beaver

Activity status SAT UNDEC

Diversion

Type and Location —

Pollution

Type and Location —

Invertebrates	
Type	Abundance
MAYFLY	COMMON
ROCK CADIS	COMMON
STONEFLY	PRESENT
STICK CADIS	PRESENT
HYDRO CAD	PRESENT

Watershed		
Vegetation Type		Comments/Conditions
FIR	GRASS - FORB	STABLE
PINE	EXPOSED ROCK.	
MAHOGANY		
SNOWBERRY		
SAGEBRUSH		
ASPEN		

omments:

- good quality pools, good cover provided by firs and box elder.
- all D.V. where somewhat SNAKE LIKE in appearance maybe natural for them.
- high amount of old beaver dams and debris jam, causing some blow out areas (channel migration)
- abundant spawning gravels
- Boulders and log jams forming major pools
- ~~poor~~ FAIR checking effectiveness (cold temp)
- Low invert levels, cold temp
- high flow some bank cutting, LOW FLOW STABLE

rainage: _____
ater Code: _____
ounty: Elko

Sampled By: Lawton, Williams, Fulton, Parker

Sample No.: 11
Sample Length: 130'
Sample Method: SR 24

Sample Location: 1.0 mile upstream from Sta. 10 (Jarbidge City Park)

Fish Species	Size (mm)																Totals	
Rb	207P	225P	55	55	53	49	72	88	73	104	131	169	224P	175	229P			
Mssers MM	278	142	225	210	197	190											21	(26)
Whitefish	303	310	315														3	
Sculpin	51	64	59	79	78	68	80	100	79	48	60	78	63	72	56			
Mssers MM MM 1 (11)	43	45	64	83	79	/counted	MM	MM	MM	MM	MM	MM	MM	MM	MM	(60)	20	(91)
D.V.	266																1	

121

Fish Species	Conditions	% Wild	% Hatch	No. Collected
Rb	Good	88	12	None
Whitefish	Good	100		
Sculpin	Good	100		
D.V.	Fair	100		

WATER

Chemistry		Measurements		Tubidity
D.O. ____	Alkal. ____	Width ____	Discharge ____	Clear X
CO_2 ____	Other ____	Depth ____	Temp. 41° MM	Cloudy ____
pH ____		Velocity ____	Gradient ____	Murky ____
				Muddy ____

HABITAT

Bottom (% Abundance)

Organic ____ Rubble ____
Silt ____ Boulder ____
Sand ____ Bedrock ____
Gravels ____ Other ____

Pools

Pool:Riffle ratio 40 : 60
% Quality type 15

% Bank Stability
Rt. 60 Lft. 80

Bank Cover

Type	Density/Vigor
Willow	mod/med.
aspen	light-mod/low
cedar	low/low
downwood	mod/med
elm	light/low
current	light/low
grass/forb/sedge	mod/med-high
rose	light/low

Riparian

Dense ____
Heavy 10
Moderate 50
Light ____
Open ____

Sedimentation

None ____
Light ____
Moderate X
Heavy X
Severe ____

% Shading 10

Photographs - No. & Description

Number	Description
4, 5	Upstream top of pop. stn. - T-3 upstream
	Downstream
3	General sign

INFLUENCES

Livestock

% Utilization 0 % Damage 0

Type damage No livestock use permitted in Jarbidge Canyon

Beaver

Activity status Sat. Unocc. old evidence

Diversion

Type and Location None

Pollution

Type and Location Oil film on water surface / truck overturned in river (1½ day old)

Invertebrates Type	Abundance	Vegetation Type	Watershed	Comments/Conditions
mayfly	A			
stone fly	C			stable
hydro caddis	A			
stick "	A			
rock caddis	P			

Comments:

- 30 ft long x 20 ft high mass wasting/sloughing bank on right side (common mass wasting in this reach)
- fair spawning habitat
- most large game fish captured in large class 2 pool at top of site.
- evidence of high off flooding of cut banks at high water line and lower banks exposed gravel/rubble/boulder. Natural channelization appearance.
- fair willow regeneration
- limited aspen regen.
- fair instream cover provided by large boulders.
- occassional quality pools.
- debri jams absent during low to med flow - occasional in high water
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