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*Memorandum*  
*Noxon Resource Field Office*

**DATE:** December 28, 2004  
**TO:** Karen Dimmitt, MFWP Fisheries Division  
**FROM:** Joe DosSantos, Clark Fork Aquatic Program Leader  
**SUBJECT:** 2004 Collection Permit Report



Attached for your information and review are the data summaries from the fish capture operations Avista staff was responsible for in 2004:

- Fisheries Investigations and Monitoring Program,
- Adult Fish Passage Program,
- Juvenile Transport Program, and
- Native Fish Abundance Studies.

All other fish collections were conducted assisting MFWP Thompson Falls personnel.

Soon, I will also be submitting our application for a 2005 Collection Permit for the continuation of the above mentioned programs and studies. As you are also aware, in 2004 we continued to move juvenile bull trout from Montana to Idaho and adult bull trout from Idaho to Montana. Therefore, we will also need a fish transfer permit.

If you need any further information explanation as to this 2004 Collection Permit Report, please feel free to call me at 406-847-2729. Thank you.

Attachment

Cc: Laura Katzman, Ken McDonald, MFWP;  
Patty Hanson, Avista.

Ref: Mtcol.04report.dot

## Fisheries Investigations and Monitoring Program 2004

Species	Number Radio Tagged	Size Range (mm)	Gear Used	Time of Year	Location
WCT	6	200-440	Hook n Line	Sept1-Nov 30	Bull River
BRN	30	360-710	Weir	Sept1-Nov 30	East Fork Bull River

## Adult Fish Passage Program 2004

### Adult Bull Trout Transported to Montana from Downstream of Cabinet Gorge Dam

Adult bull trout were captured in the lower Clark Fork River downstream of Cabinet Gorge Dam using electrofishing, hook and line sampling, and the Cabinet Gorge Hatchery fish ladder. These fish were radio tagged, transported upstream of Cabinet Gorge Dam, and released in either Cabinet Gorge Reservoir (Goose Island or Bull River Bay), Bull River, or Graves Creek (a tributary of Noxon Reservoir). The table below shows the PIT tag number, radio frequency, release site, and release date for each transported adult bull trout.

PIT Tag Number	Radio Frequency <sup>1</sup>	Length (mm)	Weight (g)	Sex <sup>2</sup>	Release Site	Release Date
985120012205439	149.440-29	735	4877	Male?	Bull River Bay	05-08-2004
985120012238030	149.480-64	615	2212	Male?	Goose Island	05-08-2004
985120011363100	149.420-25	809	5841	Female	Bull River Bay	05-10-2004
985120011368292	149.440-33	568	1758	Male	Goose Island	05-10-2004
985120015928720	149.480-68	635	2382	Female	Bull River Bay	05-10-2004
985120011358340	149.460-51	705	3544	Female	Goose Island	05-17-2004
985120012202945	149.480-67	611	2382	Male	Goose Island	05-17-2004
985120011398634	149.480-72	666	2722	Male	Bull River Bay	05-17-2004
985120011423395	149.460-50	730	3799	Male	Goose Island	06-01-2004
985120012204061	149.460-49	667	3317	Female	Bull River Bay	06-16-2004
985120011360843	149.440-27	575	1531	Female	Bull River Bay	06-30-2004
985120015952261	149.440-32	650	1248	Female	Bull River Bay	06-30-2004
985120012227949	149.440-40	673	3346	Male	Goose Island	07-09-2004
985120012203591	149.480-70	665	2892	Female	Goose Island	07-09-2004
985120011314946	149.480-65	645	2523	Female	Goose Island	07-16-2004
985120012203077	149.440-31	637	2098	Female	Bull River Bay	07-21-2004
985120011314946	149.480-65	645	2523	Female	Bull River Bay	07-21-2004
985120012207987	149.440-26	546	1446	Female	Bull River Bay	07-23-2004
985120012237318	149.440-28	814	4962	Male	Bull River Bay	07-30-2004
985120012217918	149.440-34	630	2212	Female	Bull River Bay	08-02-2004
985120012220319	149.440-101	570	1786	Female	Bull River Bay	08-02-2004
985120011358584 / 985120012209371	149.440-105	757	4281	Male	Bull River Bay	08-02-2004
985120012239167	149.460-143	635	2410	Male	Bull River Bay	08-19-2004
985120015984752	149.460-132	690	2779	Male	Bull River Bay	09-01-2004
985120012296329	149.460-130	725	3828	Female	Bull River Bay	09-01-2004
985120015953647	149.460-134	821	4962	Male	Bull River Bay	09-01-2004
985120011374857	149.460-123	579	1815	Male	Bull River Bay	09-03-2004
985120011382492	149.460-133	725	3119	Male	Bull River Bay	09-07-2004

PIT Tag Number	Radio Frequency <sup>1</sup>	Length (mm)	Weight (g)	Sex <sup>2</sup>	Release Site	Release Date
985120011380579	149.440-100	729	3714	Male	Bull River Bay	09-09-2004
985120011370359	149.440-113	787	4678	Male	Bull River Bay	09-09-2004
985120012240102	No tag	635	2523	Female	Graves Creek	09-10-2004
985120012220660	No tag	626	2325	Female	Bull River	09-15-2004
985120012208694	No tag	701	3374	Female	Bull River	09-14-2004
985120018941077	No tag	791	4622	Male	Graves Creek	09-24-2004

1: Four adult bull trout were transported without radio tags because females could not be tagged after August 31 and males could not be tagged after September 15 due to the proximity to spawning time.

2: Unable to definitely confirm the sex of some fish at the time of surgery so sex was listed with question mark.

**\*Free Pass Bull Trout (Radio tagged and transported these bull trout upstream of Cabinet Gorge Dam in previous years)**

PIT Tag Number	Frequency	Length (mm)	Weight (g)	Sex	Release Site	Release Date
985120012206560	149.480-91	715	3714	F	Bull River Bay	06-30-2004
985120015971818	149.460-47	722	3346	M	Bull River Bay	07-09-2004
985120011318633	149.480-94	666	2806	F	Bull River Bay	07-09-2004
985120012240409	149.440-60	640	2410	F	Bull River Bay	07-21-2004
985120005192439	149.460-38	684	2949	F	Bull River Bay	08-13-2004
985120011325947	149.460-46	740	3544	F	Bull River Bay	09-01-2004
985120010546575	149.460-31	655	2580	F	Bull River Bay	09-14-2004

# Tributary Trapping and Downstream Juvenile Transport Program 2004

## Upper Mainstem Bull River Screw Trap

This trap was located on the mainstem Bull River ¼ mile downstream of the South Fork. It was deployed on 3-29-04 and was pulled on 10-26-04. It was checked daily for fish and cleaned of debris. It was in operation during this period for 140 days, it was out of operation for a total of 71 days due to low water levels.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull trout	2	94 & 135	
Westslope Cutthroat trout	93	51-189	115
Unknown Oncorhynchus	7	43-49	47
Brook trout	31	66-183	108
Sculpin	5	32-80	53
Rainbow trout	2	74 & 80	
Unknown trout (fry)	9	22-48	36
Redside shiner	1	65	
Brown trout	4	72-181	125

## Upper East Fork Bull River Screw Trap

This trap was deployed on 3-31-04 and was pulled on 10-22-04. It was checked daily for fish and cleaned of debris. It was in operation during this period for a total of 122 days, and out of operation for 83 days due to low water levels. This trap was located just upstream of the major weir.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull trout	9	52-156	102
Brook trout	4	81-140	112
Brown trout	83	56-167	96
Westslope Cutthroat trout	11	67-264	166
Unknown trout (fry)	65	22-34	27
Sculpin	15	42-85	67
Mountain Whitefish	3	281-319	297

## Lower East Fork Bull River Screw Trap

This trap was deployed on 3-29-04 and operated until 8-31-04. It was checked daily for fish and cleaned of debris. It was in operation during this period for a total of 134 days, and out of operation for 21 days due low water levels. This trap was located upstream of the East Fork Bull River Mouth.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull Trout	2	85 & 195	
Brook Trout	17	48-124	103
Brown Trout	128	51-231	106
Unknown trout (fry)	32	20-38	29
Westslope Cutthroat Trout	11	49-204	142
Sculpin	60	42-100	71
Mountain Whitefish	10	60-240	95
Northern Pike Minnow	1	150	

### Rock Creek Screw Trap

This trap was deployed on 5-19-04 and operated until 7-12-04. It was checked daily for fish and cleaned of debris. It was in operation during this period for a total of 54 days and was never out of operation during this period. This trap was located immediately downstream of the West Fork Rock Creek confluence above the second Forest Service bridge.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull trout	3	49-180	
Unknown trout	1	45	
Westslope Cutthroat	20	47-205	119
Westslope Cutthroat trout X Yellowstone Cutthroat	3	115-235	174

### Vermilion River Screw Trap

This trap was deployed on 4-1-04 and operated until 8-4-04. It was checked daily for fish and cleaned of debris. It was in operation for a total of 125 days, and was never out of operation during this period. This trap was located ¼ mile downstream from the mouth of Canyon Creek.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull trout	16	45-206	109
Brook trout	1	94	
Brown trout	28	39-284	93
Unknown trout (fry)	3	44-45	44
Sculpin	8	42-86	70
Westslope Cutthroat trout	20	46-274	142
Westslope Cutthroat trout X Yellowstone Cutthroat	1	228	

### Upper Mainstem Bull River Weir

This trap was deployed on 7-22-04 and was in operation until 11- 26-04. It was located 700 meters downstream of the South Fork on the mainstem Bull River. This trap was in operation for a total of 111 days (11 of these days the trap was partially installed with every other picket) and was out of operation for a total of 11 days due to high water.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull Trout	9	126-775	229
Brook Trout	247	45-292	144
Brown Trout	1	376	
Mountain Whitefish	21	80-370	195
Redside Shiner	29	55-81	73
Sculpin	1	67	
Westslope Cutthroat Trout	70	55-255	161
Unknown trout (fry)	1	45	
Unknown Oncorhynchus	3	50-60	55

### Rock Creek Weir

This trap was installed on 7-12-04 and was in operation until 11-25-04. It was located just upstream of the second Forest Service bridge below the confluence of the West Fork Rock Creek. During this period the trap was in operation for a total of 106 days (10 of these days the trap was installed with every other picket) and due to high water and debris it was out of operation for a total of 33 days.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Westslope Cutthroat Trout	513	70-306	161
Bull Trout	52	59-690	112
Unknown Oncorhynchus	19	42-57	51
Westslope Cutthroat trout X Rainbow trout	1	155	
Yellowstone Cutthroat trout	15	142-261	211

### East Fork Bull River North Weir

This trap was installed on 6-21-04 and was in operation until 12-13-04. This trap was in operation for a total of 165 days (6 of these days the trap was installed with every other picket) and was out of operation for a total of 11 days due to high water and debris.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull trout	31	69-802	286
Brook trout	54	67-221	106
Brown trout	99	37-651	343
Mountain Whitefish	31	75-380	231
Unknown Oncorhynchus	1	49	
Westslope Cutthroat trout	26	61-262	157

### East Fork Bull River South Weir

This trap was installed on 6-17-04 and was in operation until 12-13-04. This trap was in operation for a total of 173 days (4 of these days the trap was installed with every other picket) and was out of operation for a total of 6 days due to high water and ice jams.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull trout	42	65-805	306
Brook trout	137	51-265	99
Brown trout	106	49-515	300
Mountain Whitefish	31	80-317	218
Unknown Oncorhynchus	6	40-55	48
Sculpin	7	40-94	67
Westslope Cutthroat trout	45	77-305	144

### Graves Creek Weir

This trap was installed on 6-22-04 and was in operation until 12-24-04. The trap was located upstream of the Blue Slide Road crossing. The trap was in operation for a total of 186 days (4 of these days the trap was partially installed with every other picket).

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull trout	93	75-780	216
Brown trout	29	50-755	173
Mountain Whitefish	21	80-371	232
Rainbow trout	5	150-222	178
Westslope Cutthroat trout	39	91-385	213
Yellowstone Cutthroat trout	3	200-265	234
Brook trout	2	95 & 111	
Unknown Oncorhynchus	1	70	

### Pilgrim Creek Weir

This trap was installed on 6-23-04 and removed on 11-9-04 due to lack of flow. This trap was located adjacent to the Noxon Rod and Gun Club.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull Trout	1	438	
Brook Trout	4	122-211	182
Brown Trout	6	71-193	142
Unknown Oncorhynchus	17	35-67	56
Mountain Whitefish	37	110-294	174
Northern Pike Minnow	11	135-261	209
Rainbow Trout	72	55-278	143
Westslope Cutthroat trout	2	91-234	163
Unknown trout (fry)	1	50	

### Vermilion River Weir

This trap was installed on 7-1-04 and removed on 12-1-04. This trap is located ¼ mile below the mouth of Canyon Creek. This trap was in operation for a total of 153 days.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull trout	16	70-761	436
Brown trout	100	65-621	358
Mountain Whitefish	9	270-491	366
Sculpin	2	50 & 80	
Westslope Cutthroat trout	6	99-267	188
Brook trout	4	142-211	179

### East Fork Bull River Partial Weir

This trap was installed on 4-5-04 in the North channel, and on 4-12-04 in the South channel. This trap was in operation until the full weirs were installed (6-17-04 south channel, & 6-21-04 north channel) and was in operation for a total of 77 days in the North channel, and 56 days in the South channel.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Bull trout	5	82-175	132
Brook trout	5	72-109	92
Brown trout	5	96-152	126
Rainbow trout	1	105	
Unknown trout	1	40	
Westslope Cutthroat trout	9	66-242	174

### Rock Creek Partial Weir

This trap was installed on 4-12-04 and was in operation until 6-28-04. It was located just upstream of the second Forest Service bridge below the confluence of the West Fork Rock Creek. During this period the trap was in operation for a total of 69 days.

Species	Total Catch	Size Range (mm)	Average Size (mm)
Westslope Cutthroat Trout	32	97-148	123
Bull Trout	2	44-174	90

# NATIVE FISH ABUNDANCE STUDIES 2004

## Cabinet Gorge Reservoir Hook-and-line Sampling

Hook-and-line sampling took place on various occasions from April through October.

Month	Location	Species	Number	Length	Duration of Fishing (min.)
April	Elk Creek Bay	No Fish	-	-	300
	Powerline Bay	SMB	1	350 mm	240
	Outer Bull River Bay	NPM	1	510 mm	240
		SMB	1	356 mm	
		NPK*	1	-	480
		NPK	1	910 mm	
		NPK	1	775 mm	
	Rail Road Tracks across from outer Bull River Bay	No Fish	-	-	60
May	Elk Creek Bay	NPM	1	460 mm	465
	Outer Bull River Bay	NPK	1	830 mm	90
August	Elk Creek Bay	No Fish	-	-	300
	Stumpfield downstream Elk Creek	No Fish	-	-	225
	Noxon Flats	NPK	1	835 mm	120
		NPK	1	617 mm	
September	Hereford Bay and upstream south bank	No Fish	-	-	75
October	Outer Bull River Bay	NPK	1	810 mm	120
	Noxon Flats	No Fish	-	-	120

\*This fish was previously captured and PIT tagged (# 985120019192014) on 3-30-04 in the upper Hereford Fyke net (660 mm)

## Outer Bull River Bay Merwin Site 2

The merwin trap was fished from 5-10 to 5-14-04 and 5-17 to 5-20-04.

Species	Total Catch*	Recaptures	Size Range	Average Size
Largescale Sucker	25	-	402 mm	315 - 474 mm
Northern Pike	1	-	838 mm	-
Northern Pikeminnow	49	6	322 mm	95 - 556 mm
Peamouth	7	-	223 mm	107 - 258 mm
Pumpkinseed	9	-	141 mm	110 - 220 mm
Redside Shiner	1	-	122 mm	
Yellow Bullhead	2	-	244 mm	229 - 260 mm
Yellow Perch	90	-	195 mm	146 - 230 mm
Total	184			
*Includes recaptures				

## Cabinet Gorge Night Electrofishing

Night electrofishing efforts were undertaken on seven occasions between early May and early November.

Date	Location	Duration of Shocking	Temp. (°C)	Species	Total Catch	Average Length	Size Range
05/03/04	Outer Bull River Bay	23 min.	11.5	Northern Pike	1	431 mm	-
				Rainbow Trout	1	310 mm	-
	Powerline Bay	45 min.	11.5	Largemouth Bass	4	342 mm	293 - 425 mm
				Northern Pikeminnow	8	433 mm	375 - 611 mm
	Train Trestle/ south bank	60 min.	11.5	Mountain Whitefish	1	316 mm	-
				Northern Pikeminnow	22	322 mm	180 - 437 mm
				Rainbow Trout	1	450 mm	-
				Smallmouth Bass	4	262 mm	174 - 300 mm
07/19/04	Deadhorse Bay/ North bank	26 min.	20	Brown Trout	1	309 mm	-
				Northern Pikeminnow	6	401 mm	327 - 508 mm
08/12/04	Big Eddy Stumpfield	15 min.	21.5	Northern Pike	1	775 mm	-
				Smallmouth Bass	1	264 mm	-
	Elk Creek Bay	47 min.	21.5	Smallmouth Bass	3	363 mm	350 - 385 mm
08/30/04	Big Eddy	27 min.	20.5	Brown Trout	1	418 mm	-
				Rainbow Trout	1	369 mm	-
				Westslope Cutthroat Trout	1	363 mm	-
	Big Eddy/ North Shore	14 min.	20.5	Brown Trout	1	513 mm	-
	Elk Creek Bay	10 min.	20.5	No Fish	-	-	-
	Stumpfield	62 min.	20.5	No Fish	-	-	-
09/29/04	Hereford Area	70 min.	14	Northern Pike	6	620 mm	367 - 688 mm
	Noxon Flats/ South Bank	114 min.	14	Largemouth Bass	1	-	-
				Northern Pike*	1	755 mm	-
10/14/04	Powerline Bay	90 min.	14	Northern Pike	8	595 mm	330 - 855 mm
11/11/04	Hereford Area	75 min.	14	Northern Pike	1	760 mm	-
				Northern Pikeminnow**	1	510 mm	-
	Outer Bull River Bay	33 min.	7	Northern Pike	3	349 mm	218 - 416 mm
				Northern Pikeminnow	4	434 mm	399 - 475 mm
				Rainbow Trout	1	225 mm	-
				Westslope Cutthroat Trout	1	321 mm	-

\*Previously captured on 4-8-04 in the upper Hereford Slough Fyke trap (694 mm).

\*\*Previously implanted with radio-transmitter ( on 4-12-04 in Outer Bull River Bay; Code 370-20).

## Cabinet Gorge Beach Seine Results

Beach seining efforts were undertaken on Cabinet Gorge Reservoir on 7-8-04 and 8-25-04.

Date	Location*	Species	Total Catch	Size Range	Average Size
08/25/04	Lower Hereford Site # 5	LMB	1	-	161 mm
		LSS	22	50 - 64 mm	56 mm
		NPM	666	31 - 37 mm	34 mm
		PUM	3	15 - 135 mm	55 mm
		SMB	3	45 - 52 mm	49 mm
		YLP	2	57 - 59 mm	58 mm
	Lower Hereford Site # 7	NPK	2	277 - 310 mm	294 mm
		NPM	716	36 - 42 mm	38 mm
		PUM	1	-	14 mm
		SMB	1	-	125 mm
	Lower Hereford Site # 8	LMB	1	-	51 mm
		NPM	646	34 - 37 mm	36 mm
		PUM	4	13 - 72 mm	36 mm
		SMB	1	-	58 mm
		YLP	4	60 - 214 mm	156 mm
	Lower Hereford Site # 9	NPM	154	36 - 41 mm	39 mm
		PUM	2	12 - 13 mm	13 mm
		YLP	1	-	221 mm
	Lower Hereford Site # 10	NPM	423	27 - 39 mm	35 mm
		SMB	1	-	116 mm
		YLP	3	64 - 250 mm	173 mm
	Hereford Bay Site # 12	NPM	1	-	27 mm
		PUM	9	19 - 25 mm	22 mm
	Lower Hereford Site # 13	NPM	20	40 - 214 mm	105 mm
		PUM	3	14 - 49 mm	27 mm
		YLP	1	-	57 mm
	Noxon Flats Site # 14	SMB	2	37 - 54 mm	46 mm
	Noxon Flats Site # 15	NPM	15	25 - 37 mm	31 mm
	Noxon Flats Site # 16	NPM	3	232 - 261 mm	243 mm
		SMB	1	-	40 mm
		YLP	1	-	200 mm

\*Site location numbers correspond to site numbers displayed on Figure 1 (Appendix A)

Date	Location*	Species	Total Catch	Size Range	Average Size
07/08/04	Outer Bull River Bay Site # 1	LMB	3	65 - 90 mm	82 mm
		NPM	9	60 - 80 mm	66 mm
		PUM	14	42 - 137 mm	90 mm
		YLP	1	-	103 mm
	Outer Bull River Bay Site # 2	LMB	13	60 - 74 mm	67 mm
		NPM	11	57 - 106 mm	71 mm
		PUM	21	37 - 189 mm	63 mm
		YLP	4	80 - 96 mm	91 mm
	Outer Bull River Bay Site # 3	LMB	3	59 - 79 mm	68 mm
		NPM	12	66 - 117 mm	80 mm
		PUM	18	36 - 112 mm	68 mm
		YLP	7	77 - 93 mm	85 mm
	Outer Bull River Bay Site # 4	PUM	4	121 - 164 mm	141 mm
	Mouth of Lower Hereford Site # 5	NPM	24	72 - 132 mm	95 mm
		YLP	1	-	110 mm
	Lower Hereford Site # 6	NPM	21	90 - 122 mm	72 mm
		YLP	8	199 - 218 mm	209 mm
	Hereford Bay Site # 11	NPM	8	75 - 215 mm	142 mm
	Hereford Bay Site # 12	NPM	21	60 - 120 mm	86 mm
		PUM	1	-	35 mm
	Hereford Bay Site # 13	PEA	8	90 - 99 mm	96 mm
		NPM	39	110 - 203 mm	70 mm

## Electrofishing Summary

Electrofishing for the Fish Abundance Program's survey of the Beaver Creek drainage commenced on July 22 and continued intermittently throughout the drainage until September 2, 2004. Rock Creek, Pilgrim Creek, South Fork Bull River, and East Fork Bull River were also electrofished from July 19 through July 22, 2004. In addition, 4 sections of the East Fork Bull River were electrofished from August 2 through August 5, 2004. Swamp Creek was electrofished on August 30 and September 1, 2004 in an attempt to collect bull trout genetic samples.

Stream/ # of sections	Species	Total Captured	Size Range (mm)	Average Length (mm)
Big Beaver Creek: 12 Sections + 2 P/A (presence absence)	Brook Trout	96	75 – 287	142
	Brown Trout	5	75 – 103	83.6
	Long Nosed Sucker	2	75 – 78	76.5
	Mountain Whitefish	1	83	83
	Westslope Cutthroat	401	50 - 235	120.6
Little Beaver Creek: 3 Sections + 2 P/A	Brook Trout	51	75 – 160	127.5
	Brown Trout	2	146 – 160	153
	Long Nosed Dace	10	76 – 137	105.7
	Long Nosed Sucker	15	76 – 97	85
	Mountain Whitefish	1	95	95
	Red sided Shiner	8	74 – 90	81
	Sculpin	1	80	80
	Westslope Cutthroat	24	92 - 202	132.5
Whitepine: 7 Sections + 1 P/A	Brook Trout	235	75 – 228	107.1
	Brown Trout	15	75 – 294	167.2
	Westslope Cutthroat	131	75 – 212	125
	Bull Trout	1	181	181
	Rainbow/Cutthroat Hybrid	9	105 – 177	131.7
	Long Nosed Dace	8	75 – 111	87.4
	Mountain Whitefish	6	95 – 110	98.7
	Rainbow Trout	10	75 - 204	128.5
Trout Creek: 2 Sections	Brook Trout	17	75 – 136	90.7
	Brown Trout	8	76 – 269	127.1
	Long Nosed Dace	3	84 - 129	101
Stream/ # of sections	Species	Total Captured	Size Range (mm)	Average Length (mm)
Swamp creek: 1 Section + 1P/A	Brook Trout	2	157	157
	Sculpin	3	62 – 117	93
	Westslope Cutthroat	48	85 - 220	118
Stream/ # of sections	Species	Total Captured	Size Range (mm)	Average Length (mm)
East Fork Bull River: 4 Sections	Bull Trout	80	61 – 271	126.7
	Westslope Cutthroat	207	60 – 274	138.7
	Brook Trout	21	76 – 157	119.5
	Brown Trout	130	75 – 300	136.4
	Sculpin	9	80 – 100	91.8
	Mountain Whitefish	5	78 - 160	101.8

Stream/ # of sections (Disease sampling)	Species	Total Captured	Size Range (mm)	Average Length (mm)
Rock Creek: 1 Section	Bull Trout	13	99 - 132	117.8
	Westslope Cutthroat	32	70 - 250	132.3
	Brook Trout	50	101 - 221	136.7
Pilgrim Creek: 1 Section	Rainbow Trout	64	102 - 250	126.4
	Brook Trout	7	108 - 172	139
	Brown Trout	3	116 - 155	138.7
	Bull/Brook Hybrid	1	440	440
	Northern Pike Minnow	1	222	222
	Mountain Whitefish	1	170	170
South Fork Bull River: 1 Section	Bull Trout	4	101 - 112	105.5
	Westslope Cutthroat	42	86 - 223	117.4
	Brook Trout	22	85 - 190	108.6
East Fork Bull River: 1 Section	Bull Trout	2	123 - 151	137
	Westslope Cutthroat	6	97 - 204	136.7
	Brook Trout	21	93 - 211	130.6
	Brown Trout	34	93 - 190	118.6