

Stream Lake Fish Database
Box Canyon 1987

Year	Wa_nam	Date	Temp	New Redds	False_redds	Total_visible
1987	BOX CANYON CR	9/17/1987	10	0	0	0

1
9
8
7

20 09/17/87 1300 LGB

AS4AS5 BOX CANYON CR

reproduction.
No fish this year again. Creek dry 50-100 yds short of the lakeshore. Reported (USFS) dry since July. No sign of any fish, even in the gravelly area below Peek-a-boo Falls. Did see one CT of about 10" in lower box canyon and one dead CT of 8" just below Peek-a-boo Falls. Several 2"-4" fry observed here and there. Lots of people tracks all along the creek, even through box canyon.

Date	Time	Species	Sex	Age	Location	Notes	Method	Count	Other	Live Dead	Redds False
07/07/92	1200	LGB		39	AT3AT4 R	GOLD CR					
09/25/84	1200	JS		39	20	AT3AT4 R	GOLD CR (LOWER)	9.50			
10/05/84	1200	JS		39	20	AT3AT4 R	GOLD CR (LOWER)				
09/09/85	0833	JS		39	20	AT3AT4 R	GOLD CR (LOWER)				
09/13/85	0951	JS		39	20	AT3AT4 R	GOLD CR (LOWER)				
09/14/85		JS		39		AT3AT4 R	GOLD CR (LOWER)				
09/20/85	0831	JS		39	20	AT3AT4 R	GOLD CR (LOWER)				
09/30/85		JS		39		AT3AT4 R	GOLD CR (LOWER)				
09/22/86	1500	LGB		39	20	AT3AT4 R	GOLD CR (LOWER)				
08/27/87	1300	LGB		39	20	AT3AT4 R	GOLD CR (LOWER)			12 1	SPEARED 21 3
09/17/87	1000	LGB	*	39	20	AT3AT4 R	GOLD CR (LOWER)			1 0	0 0
10/05/87	1030	LGB		39	20	AT3AT4 R	GOLD CR (LOWER)	53F		4 0	1 0
09/15/88	1200	LGB		39	20	AT3AT4 R	GOLD CR (LOWER)	52F		7 0	15 43
09/22/88	1100	LGB		39	20	AT3AT4 R	GOLD CR (LOWER)	56F		4 0	4 3
09/15/89	0900	LGB		39	20	AT3AT4 R	GOLD CR (LOWER)	52F		6 0	12 70
09/20/89	1000	LGB		39	20	AT3AT4 R	GOLD CR (LOWER)	52F		4 0	1 0
09/27/90	1330	LGB		39	20	AT3AT4 R	GOLD CR (LOWER)	58F		4 0	2 17
09/13/91	1400	LGB		39	20	AT3AT4 R	GOLD CR (LOWER)			0 0	2 0
09/20/91	NBRD	FG		39	20	AT3AT4 R	GOLD CR (LOWER)			0 MEMO ---	NO COUNT
09/18/92	from	FRI		39		AT3AT4 R	GOLD CR (LOWER)			16 0	6 0
09/30/92	1017	BDB		39		AT3AT4 R	GOLD CR (LOWER)			0	3
10/20/92	1000	BDB		39		AT3AT4 R	GOLD CR (LOWER)	51F		0 0	0 5
09/23/93	1201	FRI		39		AT3AT4 R	GOLD CR (LOWER)	48F		0 SURVEY	CANCELLED RAIN YUK
09/18/90	1000	LGB		39	20	AT3AT4 R	GOLD CR (UPPER)	11.20		2	2 0
09/19/91	CERD	KS		39	20	AT3AT4 R	GOLD CR (UPPER)	52F		2 0	9 0
09/20/91	NBRD	FG		39	20	AT3AT4 R	GOLD CR (UPPER)			2 2	ANGLERS 3 0
09/18/92	from	FRI		39		AT3AT4 R	GOLD CR (UPPER)			20	10
10/09/92	1015	BDB		39		AT3AT4 R	GOLD CR (UPPER)			0	11 3
09/23/93	1200	FRI		39		AT3AT4 R	GOLD CR (UPPER)	8.00		0 0	2 0
09/18/90		WDW		38	30	Y74Y75 R	HINDOO CR	9.60		2	LOST 15 OF 17 9 6
09/08/84	1200	JS		38	23	Y58Y59 R	INDIAN CR	48F		0 0	3 0
09/15/84	1200	JS		38	23	Y58Y59 R	INDIAN CR			6 140	146 1 CLUBBED 3 6
09/12/85		JS		38		Y58Y59 R	INDIAN CR	110		20 25	45 0 29 22
09/17/85	0943	JS		38	23	Y58Y59 R	INDIAN CR				90 FALSE IN CLUDED 69 INC
09/03/86		JS		38		Y58Y59 R	INDIAN CR			62 0	37 18
09/12/87		JS		38		Y58Y59 R	INDIAN CR			45 PARTIAL SURVEY	16 8
09/02/88	1101	EA		38	23	Y58Y59 R	INDIAN CR			20	35
09/09/88	1103	EA		38	23	Y58Y59 R	INDIAN CR	43F		25 0	8 0
09/16/88	1105	EA		38	23	Y58Y59 R	INDIAN CR	45F		25 0	22 0
09/26/88	1107	EA		38	23	Y58Y59 R	INDIAN CR	48F		0 0	23 1 unknown 25 0
09/14/89	1201	EA		38	23	Y58Y59 R	INDIAN CR	43F		0 0	0 0 25 0

09/14/85	JS	AT3AT4 GOLD CR (LOWER)	THIS MAY BE CONFLICTING DATA FROM OTHER DATA WHICH JIM SPOTTS RECONSTRUCTED FROM HIS FIELD NOTEBOOK.
			THIS DATA FROM AN OLD 9/14/86 MEMO TO JIM CUMMINS (WHICH JIM FINALLY LOCATED).
			THE MEMO INDICATES NO FISH, NO REDDS AND NO FALSE REDDS ON GOLD CREEK SEPT.14, 1985.
09/20/85 0831	JS	AT3AT4 GOLD CR (LOWER)	
09/30/85	JS	AT3AT4 GOLD CR (LOWER)	DATA MAY CONFLICT WITH OTHER DATA (DATES?) WHICH WERE RECONSTRUCTED BY JIM SPOTTS FROM FIELD NOTEBOOKS.
			THIS ENTRY IS FROM A MEMO FROM SPOTTS TO CUMMINS ON 09/14/86, WHICH HAS JUST RECENTLY (11/01/93) BEEN LOCATED.
			NO FISH AND NO REDDS WERE NOTED, WHICH CONTRASTS WITH DATA RECEIVED EARLIER.

09/22/86 1500	LGB	AT3AT4 GOLD CR (LOWER)	
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Seven redds observed in lake outlet channel, but no fish. Walked from the lake to about 100 yds below I-90. Stream is dry to intermittent above the lake culvert. From culvert to I-90 found 21 redds and 3 false redds. Observed 3 bull trout on redds and another 9 adults in hiding pools (one VERY large male of 12+ lbs). Found one speared male (55cm) dead. Salvaged otos, Age-7+. Lots of evidence of harassment, sharpened sticks and fresh, clean two-hand rocks in holding and spawning areas.

Gold Creek 1987

08/27/87 1300	LGB	AT3AT4 GOLD CR (LOWER)	
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Spotts and I surveyed from gravel pit all the way to Lake Keechelus. Only 1 bull trout (female) of 5-7 pounds observed about 200 yds above I-90 under log near scaling pit parking area. Had reports of folks chasing and rocking "large fish" last Sunday, just downstream from I-90. No sign of any spawning yet.

09/17/87 1000	LGB	AT3AT4 GOLD CR (LOWER)	
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From lake to gravel pit pond. Only one redd about 200 yds below pit culvert. 2 large males and one female observed in a deep pool directly below the redd. 1 large male all by his lonesome up in the quiet channel below the gravel pit lake. No sign of any kokanee yet. People tracks and litter everywhere.

10/05/87 1030	LGB	AT3AT4 GOLD CR (LOWER)	
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From 200 yds below I-90 to pit lake. Kokanee (several hundred) now in the creek and spawning, confounding false redd counts. I re-evaluated redds for actual bull trout spawning on the return trip, but could not separate false bull trout redds from fresh kokanee redds. Bull trout

Gold Cr 10/05/87 cont.

09/15/88 1200 LGB AT3AT4 GOLD CR (LOWER)

observed from about 4 to 8 pounds, along with one tiny 9-incher DV or EB (?) which was hanging around a larger fish. Four bull trout adults in the deep pool about 200 yds below culvert have been harassed something fierce, judging from the amount of footprints around the shore. They were extremely nervous, racing up and down the pool as soon as they saw me.

THREE REDDS IN TALLOW UNDER ROCKY RUN FRONTAGE ROAD BRIDGE AND ONE AT EDGE OF DEEP POOL JUST ABOVE BRIDGE. CREEK FULL OF BEER AND POP CANS FROM "RECREATIONALISTS". NO FISH IN DEEP BEDROCK POOL BELOW GRAVEL PIT. ONE PAIR LYING UNDER LOG/DEBRIS 100 FT BELOW SCALING STATION CAMP. ONE BULL AT HEAD OF RIFFLY SECTION OF CHANNEL AND ANOTHER BULL ABOUT 50 YARDS FURTHER UPSTREAM. NO SIGN OF ANY KOKANEE YET.

09/22/88 1100 LGB AT3AT4 GOLD CR (LOWER)

MOST OF THE "FALSE" REDDS WERE PROBABLY KOKANEE SPAWNING. SEVERAL HUNDRED KOKS IN THE STREAM, LARGER THAN NOTED IN THE PAST, AT 10-12 INCHES. FIVE OF THE BULL TROUT WERE MALES AND ONLY ONE WAS A FEMALE. IMPOSSIBLE TO CONTINUE BULL TROUT REDD COUNTS NOW WITH KOKANEE ACTIVE. BEDROCK POOL BELOW THE GRAVEL PIT HELD ITS USUAL SEVERAL BULL TROUT AND TWO WERE OBSERVED CRUISING THE LAKE SHORELINE ON THE WAY BACK. MANY, MANY HUMAN FOOTPRINTS AND 4X4 WHEEL TRACKS ALL OVER THE CREEK CHANNEL AND GRAVEL BARS.

09/15/89 0900 LGB AT3AT4 GOLD CR (LOWER)

ONE REDD BETWEEN I-90 AND FRONTAGE RD. ONE MALE AND ONE FEMALE AT LOWER END OF QUIET CHANNEL ABOVE GRAVEL RIFFLES. ALSO ONE MALE AND ONE FEMALE OBSERVED CRUISING SHORELINE OF THE LAKE ON THE WAY BACK.

09/20/89 1000 LGB AT3AT4 GOLD CR (LOWER)

KOKANEE AGAIN FOULING UP BULL TROUT SURVEYS. SMALL PODS OF KOKANEE SPAWNING CLEAR UP TO GRAVEL PIT LAKE. KOKANEE LARGER THAN LAST YEAR AT 11-13 INCHES. STILL ONLY 4 BULL TROUT OBSERVED, TWO OF WHICH WERE IN SLACK WATER CHANNEL BELOW THE LAKE. NONE OBSERVED CRUISING THE LAKE THIS TRIP. MAY HAVE TO DROP THIS INDEX AREA BECAUSE OF KOKANEE INTERFERENCE WITH REDD COUNTS.

09/27/90 1330 LGB AT3AT4 GOLD CR (LOWER)

From frontage road to Pond. Both redds along riprap run downstream from culvert. Walked about a mile above the pond without seeing any bull trout or redds. Temperature cooler above the pond (51F). Kokanee have appeared and are beginning to dig making further lower creek bull trout surveys impossible.

09/12/87

JS

Y58Y59 INDIAN CR

THE NORTH SPRING.

DATA FROM JIM CUMMINS FILES. THIS INFORMATION WAS "MISSING" FOR SEVERAL YEARS. ONLY A PARTIAL SURVEY DONE IN CONJUNCTION WITH FISH SALVAGE AND KOKANEE EGG TAKES AT RIMROCK LAKE DRAWDOWN.

JIM CUMMINS AND LARRY BROWN DID A COUNT FROM CONFLUENCE OF NORTH SPRING (INCLUDING THE N. SPRING) TO SOUTH SPRING AND IN MAINSTEM ABOVE CONFLUENCE WITH NORTH SPRING. NO SEPARATE REDD/FALSE REDD COUNTS. PROBABLE THAT FALSE REDDS WERE NOT EVEN COUNTED. THIS DATA WAS LEFT ON A

memo pad at the Rimrock cabin for Jim Spotts

INFORMATION AND USE IN COMPLETING THE COUNTS. A PARTIAL COUNT ONLY, AS SPOTTS WAS TO DO COUNTS FROM HIGHWAY TO NORTH SPRING AND SOME OF THE DATA HAS BEEN LOST.

Jim Spotts' daily notebook for Sept.7-13 has the following counts.....

Saturday Sept.12 9 fish, 11 redds - Spring (N) 8 redds.

Sunday Sept.13 Main R 4 fish, 10 redds
Upper spring 7 fish, 6 redds
(2 little guys) ?

The above notes total to 20 adult DV & 35 redds.

This is the data entered for Sept.12, 1987

This does not include the counts made by Brown & Cummins.

1047	09/10/92	0900	EA	38		Z16Z17	R	DEEP CR	46F	DV	BULL			3	0		78	7	MEMO	
1107	08/13/93	0845	EA	38		Z16Z17	R	DEEP CR	47F	DV	BULL	0	0	0	0		0	0	MEMO	
1108	08/24/93	0900	EA	38		Z16Z17	R	DEEP CR	44F	DV	BULL	9	0	9	0		15	2	MEMO	
1109	09/02/93	0900	EA	38		Z16Z17	R	DEEP CR	45F	DV	BULL	13	0	13	3		2FM, 1STR	37	9	MEMO
1110	09/10/93	0830	EA	38		Z16Z17	R	DEEP CR	46F	DV	BULL	0	0	0	1		STRANDED	45	9	MEMO
1037	07/07/92	1200	LGB	39		AT3AT4	R	GOLD CR		DV	BULL	MEMO	ONLY	0						MEMO
27	09/25/84	1200	JS	39	20	AT3AT4	R	GOLD CR (LOWER)	9.5C	DV	BULL	0	2	2	0		2	1	memo	
28	10/05/84	1200	JS	39	20	AT3AT4	R	GOLD CR (LOWER)		DV	BULL	0	0	0	0		2	1	memo	
541	09/09/85	0833	JS	39	20	AT3AT4	R	GOLD CR (LOWER)		DV	BULL	0	0	0	0		0	0	memo	
542	09/13/85	0951	JS	39	20	AT3AT4	R	GOLD CR (LOWER)		DV	BULL			1			2	0	memo	
1114	09/14/85		JS	39		AT3AT4	R	GOLD CR (LOWER)		DV	BULL	0	0	0	0		0	0	MEMO	
543	09/20/85	0831	JS	39	20	AT3AT4	R	GOLD CR (LOWER)		DV	BULL			0	0		2	0	memo	
1115	09/30/85		JS	39		AT3AT4	R	GOLD CR (LOWER)		DV	BULL	0	0	0	0		0	0	MEMO	
6	09/22/86	1500	LGB	39	20	AT3AT4	R	GOLD CR (LOWER)		DV	BULL	3	9	12	1		SPEARED	21	3	MEMO
17	08/27/87	1300	LGB	39	20	AT3AT4	R	GOLD CR (LOWER)		DV	BULL	0	0	1	0		0	0	MEMO	
19	09/17/87	1000	LGB	39	20	AT3AT4	R	GOLD CR (LOWER)	53F	DV	BULL	0	4	4	0		1	0	MEMO	
22	10/05/87	1030	LGB	39	20	AT3AT4	R	GOLD CR (LOWER)	52F	DV	BULL	0	7	7	0		15	43	MEMO	
550	09/15/88	1200	LGB	39	20	AT3AT4	R	GOLD CR (LOWER)	56F	DV	BULL	0	4	4	0		4	3	MEMO	
553	09/22/88	1100	LGB	39	20	AT3AT4	R	GOLD CR (LOWER)	52F	DV	BULL	0	6	6	0		12	70	MEMO	
558	09/15/89	0900	LGB	39	20	AT3AT4	R	GOLD CR (LOWER)	52F	DV	BULL	0	4	4	0		1	0	MEMO	
560	09/20/89	1000	LGB	39	20	AT3AT4	R	GOLD CR (LOWER)	52F	DV	BULL	0	4	4	0		2	17	MEMO	
568	09/27/90	1330	LGB	39	20	AT3AT4	R	GOLD CR (LOWER)	58F	DV	BULL	0	0	0	0		2	0	MEMO	
573	09/13/91	1400	LGB	39	20	AT3AT4	R	GOLD CR (LOWER)		DV	BULL			0	MEMO ---	NO COUNT			MEMO	
593	09/20/91	NBRD	FG	39	20	AT3AT4	R	GOLD CR (LOWER)		DV	BULL			16	0		6	0	MEMO	
1120	09/18/92	from	FRI	39		AT3AT4	R	GOLD CR (LOWER)		DV	BULL			0			3		MEMO	
1038	09/30/92	1017	BDB	39		AT3AT4	R	GOLD CR (LOWER)	51F	DV	BULL	0	0	0	0		0	5	MEMO	
1040	10/20/92	1000	BDB	39		AT3AT4	R	GOLD CR (LOWER)	48F	DV	BULL			0	SURVEY	CANCELLED	RAIN	YUK	MEMO	
1119	09/23/93	1201	FRI	39		AT3AT4	R	GOLD CR (LOWER)	11.2C	DV	BULL			2			2	0	memo	
564	09/18/90	1000	LGB	39	20	AT3AT4	R	GOLD CR (UPPER)	52F	DV	BULL	0	2	2	0		9	0	MEMO	
594	09/19/91	CERD	KS	39	20	AT3AT4	R	GOLD CR (UPPER)		DV	BULL	0	0	2	2		ANGLERS	3	0	MEMO
1025	09/20/91	NBRD	FG	39	20	AT3AT4	R	GOLD CR (UPPER)		DV	BULL			20			10		MEMO	
1121	09/18/92	from	FRI	39		AT3AT4	R	GOLD CR (UPPER)		DV	BULL			0			11	3	MEMO	
1039	10/09/92	1015	BDB	39		AT3AT4	R	GOLD CR (UPPER)		DV	BULL			0			2	0	MEMO	
1118	09/23/93	1200	FRI	39		AT3AT4	R	GOLD CR (UPPER)	8.0C	DV	BULL	0	0	0	0		2	0	MEMO	
629	09/18/90		WDW	38	30	Y74Y75	R	HINDOO CR	9.6C	DV	BULL			2	LOST 15 OF 17		9	6	MEMO	
30	09/08/84	1200	JS	38	23	Y58Y59	R	INDIAN CR	48F	DV	BULL	0	0	0	0		3	0	MEMO	
29	09/15/84	1200	JS	38	23	Y58Y59	R	INDIAN CR	11C	DV	BULL	6	140	146	1		CLUBBED	3	6	memo
1111	09/12/85		JS	38		Y58Y59	R	INDIAN CR		DV	BULL	20	25	45	0		29	22	MEMO	
547	09/17/85	0943	JS	38	23	Y58Y59	R	INDIAN CR		DV	BULL			90	FALSE IN CLUDED		69	INC	MEMO	
1112	09/03/86		JS	38		Y58Y59	R	INDIAN CR		DV	BULL			62	0		37	18	MEMO	
1113	09/12/87		JS	38		Y58Y59	R	INDIAN CR		DV	BULL			45	PARTIAL SURVEY		16	8	MEMO	
584	09/02/88	1101	EA	38	23	Y58Y59	R	INDIAN CR		DV	BULL			20			35		MEMO	
585	09/09/88	1103	EA	38	23	Y58Y59	R	INDIAN CR	43F	DV	BULL			25	0		8	0	MEMO	
586	09/16/88	1105	EA	38	23	Y58Y59	R	INDIAN CR	45F	DV	BULL			25	0		22	0	MEMO	
587	09/26/88	1107	EA	38	23	Y58Y59	R	INDIAN CR	48F	DV	BULL	0	0	23	1		unknown	25	0	MEMO
588	09/14/89	1201	EA	38	23	Y58Y59	R	INDIAN CR	43F	DV	BULL	0	0	0	0		25	0	MEMO	
589	09/28/89	1203	EA	38	23	Y58Y59	R	INDIAN CR	?	DV	BULL	0	0	36	0		30	0	MEMO	
590	09/25/90	1207	EA	38	23	Y58Y59	R	INDIAN CR	47F	DV	BULL	0	0	5	0		39	0	MEMO	
				38	23	Y58Y59	R	INDIAN CR	45F	DV	BULL	0	0	27	0		69	21	MEMO	
592	10/01/91	1301	EA	38	23	Y58Y59	R	INDIAN CR	45F	DV	BULL	0	0	61	FALSE IN CLUDED		108	INC	MEMO	
1045	09/04/92	1300	JLC	38		Y58Y59	R	INDIAN CR	46F	DV	BULL	0	0	15	FALSE IN CLUDED		123	INC	MEMO	
1041	09/09/92		CWU	38		Y58Y59	R	INDIAN CR	42F	DV	BULL	LOTS	LOTS	0	NONE	NO COUNT	UNK	UNK	MEMO	
1043	09/14/92	0830	EA	38		Y58Y59	R	INDIAN CR		DV	BULL			40	0		78	0	memo	
1042	09/15/92		CWU	38		Y58Y59	R	INDIAN CR	46F	DV	BULL			37	0		125	13	MEMO	
1044	09/25/92		CWU	38		Y58Y59	R	INDIAN CR		DV	BULL			30	0		135	6	memo	
1104	09/09/93	0915	EA	38		Y58Y59	R	INDIAN CR		DV	BULL			0	0		142	2	memo	
1105	09/21/93	0930	EA	38		Y58Y59	R	INDIAN CR	47F	DV	BULL	46	7	53	0		95	13	MEMO	
1106	10/01/93	1000	EA	38		Y58Y59	R	INDIAN CR	46F	DV	BULL	1	2							MEMO
1019	10/18/91		WNE	45	23	*JAMES	R	JAMES CR	38F	DV	BULL			0						MEMO
51	10/07/80	1200	LGB	39	21	A56A57	R	KACHESS R		DV	BULL	0	2	2	0		0	0	MEMO	
25	09/25/87	1200	JS	39	21	A56A57	R	KACHESS R		DV	BULL	0	0	0	0		0	0	MEMO	
1053	08/31/93	1200	LGB	39		AS6AS7	R	KACHESS R (Upper)	47F	DV	BULL	0	0	0	0		0	0	MEMO	
1062	09/16/93	1500	LGB	39		AS6AS7	R	KACHESS R (Upper)	49F	DV	BULL	0	0	0	0		0	0	MEMO	
1077	09/30/93	1430	LGB	39		AS6AS7	R	KACHESS R (Upper)		DV	BULL			0	0		142	2	memo	
1083	10/18/93	1400	LGB	39		AS6AS7	R	KACHESS R (Upper)	48F	DV	BULL	0	0	0	0		0	0	MEMO	
53	09/12/84	1100	LGB	45	40	BD8BD9	R	LITTLE WENATCHEE R	43F	DV	BULL	0	0	0	0		0	0	MEMO	

9/25/1987

Live Dead

Redds False

002668

2668

See also 2531

611	10/05/89	WDW	46	11	BH7BH8 R	MAD R		DV BULL		7		15		MEMO		
612	10/16/89	WDW	46	11	BH7BH8 R	MAD R	44F	DV BULL		1		15	0	MEMO		
628	10/16/90	WDW	46	11	BH7BH8 R	MAD R	32F	DV BULL	0	0	2	0	17	0	MEMO	
641	10/17/91	WNF	46	11	BH7BH8 R	MAD R	43F	DV BULL	0	0	1	0	21	0	MEMO	
1048	10/01/92	1500 WNF	46		BH7BH8 R	MAD R (partial 1 of 3)	47F	DV BULL	0	0	0	0	6	0	MEMO	
1049	10/02/92	1300 WNF	46		BH7BH8 R	MAD R (partial 2 of 3)	47F	DV BULL	0	0	0	0	2	0	MEMO	
1050	10/09/92	1400 WNF	46		BH7BH8 R	MAD R (partial 3 of 3)	41F	DV BULL	0	0	0	0	8	2	MEMO	
1094	09/09/93	1300 WNF	46		BH7BH8 R	MAD R (partial, level I)	52F	DV BULL			0	0	2	0	MEMO	
1095	09/14/93	1300 WNF	46		BH7BH8 R	MAD R (partial, level I)	47F	DV BULL			0	0	1	0	MEMO	
1096	09/22/93	1300 WNF	46		BH7BH8 R	MAD R (partial, level II)	39F	DV BULL			0	0	2	0	MEMO	
1097	10/19/93	1300 WNF	46		BH7BH8 R	MAD R (partial, level II)	41F	DV BULL			0	0	0	0	MEMO	
1098	10/20/93	1300 WNF	46		BH7BH8 R	MAD R (partial, level II)	39F	DV BULL			0	0	5	0	MEMO	
616	09/29/89	WDW	39	20	*MEADO R	MEADOW CR	52F	DV BULL			0				memo	
619	09/18/89	WDW	45	22	BD6BD7 R	MILL CR	45F	DV BULL	0	0	0	0	1	0	MEMO	
620	09/21/89	WDW	45	22	BD6BD7 R	MILL CR		DV BULL	0	0	0	0	1	0	memo	
621	10/12/89	WDW	45	22	BD6BD7 R	MILL CR		DV BULL	0	0	0	0	1	0	memo	
642	10/16/91	WNF	45	22	BD6BD7 R	MILL CR	43F	DV BULL	0	0	1	0	1	0	MEMO	
643	10/07/80	LGB	39	21	A58A59 R	MINERAL CR		DV BULL			3	0	0	0	MEMO	
26	08/15/84	1500 JS	39	21	A58A59 R	MINERAL CR		DV BULL	0	0	0	0	0	0	memo	
544	09/09/85	1133 JS	39	21	A58A59 R	MINERAL CR		DV BULL	0	0	0	0	0	0	memo	
1	08/27/86	0900 LGB	39	21	A58A59 R	MINERAL CR		DV BULL	0	0	0	0	0	0	MEMO	
638	10/16/91	NTS	39	21	A58A59 R	MINERAL CR	44F	DV BULL	0	0	0	0	0	0	MEMO	
1052	08/31/93	1045 LGB	39		AS8AS9 R	MINERAL CR	49F	DV BULL	0	0	0	0	0	0	MEMO	
1061	09/16/93	1400 LGB	39		AS8AS9 R	MINERAL CR	51F	DV BULL	0	0	0	0	0	0	memo	
1078	09/30/93	1330 LGB	39		AS8AS9 R	MINERAL CR	49F	DV BULL	0	0	0	0	0	0	MEMO	
1084	10/18/93	1405 LGB	39		AS8AS9 R	MINERAL CR	44F	DV BULL	0	0	0	0	0	0	MEMO	
55	09/18/84	1200 LGB	45	22	BC9CD1 R	NASON CR		DV BULL	0	0	0	0	4	0	MEMO	
42	09/27/83	1200 LGB	45	50	BF4BF5 R	PANTHER CR		DV BULL	12	2	14	1	POACHER	46	0	MEMO
50	08/18/84	1200 LGB	45	50	BF4BF5 R	PANTHER CR		DV BULL	0	0	0	0		0	0	MEMO
52	09/11/84	1500 LGB	45	50	BF4BF5 R	PANTHER CR	48F	DV BULL	7	3	10	0		8	7	MEMO
56	09/19/84	1100 LGB	45	50	BF4BF5 R	PANTHER CR	48.2F	DV BULL	8	6	14	0		20	11	MEMO
548	09/23/85	1102 JS	45	50	BF4BF5 R	PANTHER CR		DV BULL	0	0	8	1	POACHER	6	5	MEMO
2	09/09/86	1300 LGB	45	50	BF4BF5 R	PANTHER CR	51.8F	DV BULL	0	0	0	0		2	1	memo
3	09/16/86	1230 LGB	45	50	BF4BF5 R	PANTHER CR	48.2F	DV BULL	0	0	0	0		2	1	MEMO
18	08/31/87	1200 LGB	45	50	BF4BF5 R	PANTHER CR	58F	DV BULL	0	0	0	0		0	0	MEMO
21	09/18/87	1030 LGB	45	50	BF4BF5 R	PANTHER CR	47F	DV BULL	0	3	3	0		0	0	MEMO
23	10/05/87	1400 LGB	45	50	BF4BF5 R	PANTHER CR	48F	DV BULL	0	0	0	0		11	11	MEMO
549	09/12/88	1330 LGB	45	50	BF4BF5 R	PANTHER CR	50F	DV BULL	0	0	0	0		0	0	MEMO
552	09/20/88	1200 LGB	45	50	BF4BF5 R	PANTHER CR	46.5F	DV BULL	7	9	16	0		8	4	MEMO
555	09/27/88	1200 LGB	45	50	BF4BF5 R	PANTHER CR	46F	DV BULL	5	7	12	0		19	3	MEMO
556	10/03/88	1100 LGB	45	50	BF4BF5 R	PANTHER CR	49F	DV BULL	0	0	0	0		32	8	MEMO
557	09/13/89	1100 LGB	45	50	BF4BF5 R	PANTHER CR	50F	DV BULL	2	7	9	0		2	2	MEMO
562	09/21/89	1330 LGB	45	50	BF4BF5 R	PANTHER CR	48.5F	DV BULL	9	6	15	0		27	5	MEMO
563	10/03/89	1230 LGB	45	50	BF4BF5 R	PANTHER CR	45F	DV BULL	2	2	4	0		33	3	MEMO
566	09/20/90	1100 LGB	45	50	BF4BF5 R	PANTHER CR	50F	DV BULL	0	0	0	0		2	0	MEMO
570	09/28/90	1200 LGB	45	50	BF4BF5 R	PANTHER CR	50F	DV BULL	2	0	2	1	UNKNOWN	7	3	MEMO
572	10/04/90	1400 LGB	45	50	BF4BF5 R	PANTHER CR		DV BULL	HIGH	WATER	0	NO	SURVEY	POSS	0	MEMO
576	09/17/91	1100 LGB	45	50	BF4BF5 R	PANTHER CR	51F	DV BULL	7	9	16	0		12	3	MEMO
577	09/25/91	1100 LGB	45	50	BF4BF5 R	PANTHER CR	50F	DV BULL	2	3	5	0		31	3	MEMO
578	10/01/91	1030 LGB	45	50	BF4BF5 R	PANTHER CR	48F	DV BULL	4	1	5	?	ROTTEN SMELL	36	3	MEMO
580	10/15/91	0915 LGB	45	50	BF4BF5 R	PANTHER CR	45F	DV BULL	0	0	0	0		37	2	MEMO
1030	08/04/92	1200 BDB	45		BF4BF5 R	PANTHER CR		DV BULL	0	6	6	0		0	0	MEMO
1026	09/09/92	1000 LGB	45		BF4BF5 R	PANTHER CR	9C	DV BULL	0	1	1	0		2	0	MEMO
1027	09/18/92	1030 LGB	45		BF4BF5 R	PANTHER CR	7.5C	DV BULL	8	7	15	0		21	8	MEMO
1028	09/23/92	1100 LGB	45		BF4BF5 R	PANTHER CR	10.8C	DV BULL	1	6	7	0		24	10	MEMO
1029	10/02/92	0915 LGB	45		BF4BF5 R	PANTHER CR	9.5C	DV BULL	2	0	2	0		26	12	MEMO
1051	08/27/93	1000 LGB	45		BF4BF5 R	PANTHER CR	51F	DV BULL	0	15	15	0		0	0	MEMO
1055	09/03/93	1000 LGB	45		BF4BF5 R	PANTHER CR	52F	DV BULL	4	8	12	0		2	2	MEMO
1059	09/13/93	1200 LGB	45		BF4BF5 R	PANTHER CR	49F	DV BULL	4	14	18	0		10	3	MEMO
1064	09/22/93	1100 LGB	45		BF4BF5 R	PANTHER CR	44F	DV BULL	17	2	19	1	(SKIN) UNKNOWN	37	6	MEMO
1079	10/01/93	0900 LGB	45		BF4BF5 R	PANTHER CR	48F	DV BULL	3	2	5	0		45	8	MEMO
1080	10/15/93	0945 LGB	45		BF4BF5 R	PANTHER CR	47F	DV BULL	0	0	0	0		41	12	MEMO
603	09/19/89	1401 WDW	45	23	H27H28 R	PHELPS CR		DV BULL			1	0		0	0	MEMO
604	09/28/89	1402 WDW	45	23	H27H28 R	PHELPS CR	47F	DV BULL			12	0		18	0	MEMO
605	10/11/89	1403 WDW	45	23	H27H28 R	PHELPS CR	46F	DV BULL			0	0		23	0	memo
625	10/11/90	WDW	45	23	H27H28 R	PHELPS CR	36F	DV BULL	0	0	0	0		7	0	MEMO

10/1/94

how to enter ask lang

002669

2669

10/07/80	LGB	A58A59 MINERAL CR LISTED AS AS8AS9 IN MUDEF	SHOCKER SURVEY WITH JUDITH PARSONS, CLE ELUM RD. FOUND 3 LARGE MALES (21, 28, 26 INCHES TL) FROM KACHESS RIVER TO APPARENT IMPASSE IN CATARACTS. ALSO SAMPLED 3 JUVENILE BULL TROUT 8-10 INCHES. NO SIGN OF ANY FEMALES OR REDDS. THIS IS THE FIRST RECORDS OF AFLUVIAL BULL TROUT HERE. NOTED THAT LOWER KACHESS CHANNEL GOES SUBTERRANEAN ANNUALLY NEAR TRAIL CROSSING, OFTEN STRANDING ADULT BULL TROUT IN THE FALL.
08/15/84	1500 JS	A58A59 MINERAL CR	
09/09/85	1133 JS	A58A59 MINERAL CR	
08/27/86	0900 LGB	A58A59 MINERAL CR	Surveyed Kachess R and Mineral Cr. No adult bull trout found. Flows very low. Goes dry within 300 yds of leaving forested area and flowing across alluvial plain. Fished Mineral Cr from barrier falls to alluvium area. Caught 3 CT 16,17,19 cm and 2 DV 19,15 cm. Observed fry from 1-2" from Mineral Cr to where goes intermittent (about 500 yds.)
10/16/91	NTS	A58A59 MINERAL CR	NATAPOC TIMBER SERVICES UNDER CONTRACT W/USFS. SURVEYED FROM MOUTH TO IMPASSE ABOUT 2000 FT. FLOW INTERRUPTS NEAR WILDERNESS BNDRY. 5 HOUR SURVEY. 44F @1245.
08/31/93	1045 LGB	AS8AS9 MINERAL CR	SET UP NEW SPAWNING INDEX AREA FROM MOUTH OF MINERAL CREEK TO IMPASSABLE VERTICAL 20ft FALLS ABOUT 1/2 MILE UPSTREAM.
09/16/93	1400 LGB	AS8AS9 MINERAL CR	
09/30/93	1330 LGB	AS8AS9 MINERAL CR	STILL NOTHING IN THIS CREEK OR IN UPPER KACHESS R.
10/18/93	1405 LGB	AS8AS9 MINERAL CR	SAW NO ADULT BLC OR REDDS THIS SEASON.
			THE ONLY CHANCE IS FOR EARLY FALL FAINS TO RE-WATER THE CHANNEL OF KACHESS RIVER, ALLOWING BULL TROUT (AND KOKANEE) ACCESS TO THE SYSTEM FOR SPAWNING.

Overall 135 5 0 3 (2 on redd, 1 off redd)

019 51	10/18/91 10/07/80 1200 LGB	WNF LGB	*JAMES JAMES CR A56A57 KACHESS R	Backpack shocker sampling with Judith Parsons (USFS). 2 DV found below Mineral Cr jct. and 3 DV in Mineral Cr itself. All were males, no females in the run this year. Kachess R dried up about 1/4 mi. below the jct with Mineral Cr. (Total lengths were 27, 25, 26, 28, and 21 inches). Lots of DV juveniles in Kachess R below and above Mineral Cr. from fry to 11 inches. Few DV and CT in Mineral Creek itself. Fair no. CT and DV juveniles in old east bank channel, which stays wetted through summer/fall due to influence of beaver dam/ponds.
25	09/25/87 1200 JS	JS	A56A57 KACHESS R A56A57	No redds and no fish found. Earlier shocker survey (8/15/84) produced a number of juvenile bull trout below the barrier falls, but no migratory adults. Stream channel went underground again this year, precluding adult entry.
053	08/31/93 1200 LGB	LGB	AS6A57 KACHESS R (Upper)	SET UP NEW SPAWNING INDEX AREA FROM MINERAL CREEK TRAIL CROSSING TO CONFLUENCE WITH MINERAL CREEK, THEN UP KACHESS RIVER TO IMPASSABLE VERTICAL 50 ft FALLS ABOUT 1/2 MILE UPSTREAM.
062	09/16/93 1500 LGB	LGB	AS6A57 KACHESS R (Upper)	STILL NOTHING IN THIS CREEK OR IN MINERAL CREEK. SAW NO ADULT BLC OR REDDS ENTIRE SEASON.
077	09/30/93 1430 LGB	LGB	AS6A57 KACHESS R (Upper)	
083	10/18/93 1400 LGB	LGB	AS6A57 KACHESS R (Upper)	
53	09/12/84 1100 LGB	LGB	BD8BD9 LITTLE WENATCHEE R	THE ONLY CHANCE IS FOR EARLY FALL RAINS TO RE-WATER THE CHANNEL AND LET FISH UP FROM KACHESS LAKE. Attempted to find dolly spawners below the falls for about one mile. No fish observed and no spawning activity.

March 1, 1994

GOLD CREEK BULL TROUT SPAWNING SURVEYS

YEAR	LOWER CREEK (INCLUDING POND)		UPPER CREEK (ABOVE POND)	
	Total Redds Counted	Most Adult Bull Trout Observed	Total Redds Counted	Most Adult Bull Trout Observed
1984	2	(2)	no data	
1985	2	(2)	no data	
1986	21	(13)	no data	
1987	15	(7)	no data	
1988	12	(6)	no data	
1989	2	(4)	no data	
1990	2	(0)	9	(2)
1991	6	(16)	10	(20)
1992	3	(0)	11	(0)
1993	2	(2)	9	(17)

lgb

Larry Brown, Area Fish Biologist
Washington Department of Fish and Wildlife

Aug. 27, 1987 - Gold Creek ✓

Spotts and I foot surveyed
all the way from the gravel
pit lake down to Uk. Keechelus.

Only 1 DV obs. - about 200 yds
upstream from I-90 under a
log near scaling pit park areas.

• a female of 5 to 7 pounds -
"May" have missed some others
as had a report of people
throwing rocks & chasing some
large fish on Sunday Aug. 23.
downstream from I-90

No sign of any spawning
activity yet. - probably
a week to 10 days to go(?).

Thursday - Sept. 17, 1987 ✓

left Wen. @ 0700 to Gold Creek
and Box Canyon Creek to survey
for Bull Trout spawning.

Stopped at Cle Elum R.O.D. for
old report and elevation survey
data on Kachess River relocation
project which died a couple
of years ago (not enough KV\$)
* Judith Parsons Report & field data *

Gold Creek - Hrd Temp 53° 1100 @ I-90
from Lake to Gravel Pit Pond

1 redd approx 200 yds below pit
culvert - 2 large males and
one female in deep pool below.

also 1 large male in deep channel
below pit lake. ~~1 false redd~~

~~just above culvert~~ (no)

total 4 adult OV 3♂ 1♀

1 Redd

~~1 false redd (no)~~

People tracks and litter everywhere
No sign of any Kokanee yet.

Box Canyon Creek - ✓

temp 49.5°F @ 1300

dry channel 50 yds from
Little Kachess Lake. Reported
dry since July.

No sign of DV from lake
to Bomber falls - Not
even in gravelly braided zone
below Peekaboo falls.

NO FISH

NO REDDS

NO FALSE REDDS

} Apparently
did not get
in due to
low flows

Did see one CT about 10" in a
deep pool in box canyon and
one dead CT (8") below Peekaboo.
also several 2-4" fingerling of
unknown species.

lots of people tracks, even
through the canyon.

Rtn Wenatchee 1900

also checked channel between Kachess and
Little Kachess - No sign of any fish.*
*was able to drive to conn. stream.

Panther Creek 9-18-87 ✓
Water Temp down to 47°F @ 030

Cooled down 11° since Aug. 31

kicked one small male out of
new right channel (18"±) about
200 yds from white S. One
deep pool about 200 yds above
forks held at least 2 small
DV (unknown sex) of 18"-22".
They were visible only for a
few seconds.

No fish and no redd activity
the rest of the way to the
falls. Water is low, but
cataracts don't appear to be
impassable. Where are they??

Total - 3 fish (18"-22") observed
No redds - no false redds

even used "sticking" and "rock
bombs" in plunge pools without
results.

~~NEED TO CHECK AGAIN - OCT. 1st(?)~~

Mon. Oct. 5 lv 0700 ✓

Water 52°F
1030

- Gold Creek - 100 yds below 1-90 to lake

Redds false notes (fish)

~~III/III III III 1-♂ Kok~~

~~III scale house parking~~

~~III III II - Kok spawning 100-200 Kok~~

~~III 1-♂ ♀ Bull~~

~~III 1-10" K~~

~~III 1-7# ♂ Bull~~

~~III 1-4# ♀ Bull~~

~~hundreds human foot prints around pool w/ Bull Trout~~

~~III 1-9" EB or DV?~~

~~III 2-5# Bull 1-♂~~

~~III 1-4# Bull?~~

~~III III~~

~~I II- to culvert~~

~~up channel III (Koks) 25-30 K 7-10"~~

~~III (Bull) clock water channel Kokok.~~

~~I (bull) I (kok) 20~~

~~24-30 WF yoyou 11~~

7 DV Adults

15 DV Redds - retraced down to reassign

43 False and/or Kok redds actual DV redds

J. L. CARLING CORP
TACOMA WASH. U.S.A.

Weatherproof

No. 312

Mon 10/5/87 Panther Creek Temp 48 ✓

1400 hrs White River Temp 49

Panther Cr from mouth (lower)

to trail (Sears Cr)

5 redds

6 false (test)

trail to Falls

6 Redds

5 false (test)

last Redd about 200 yds below falls

DVs made it ~~at~~ nearly all
the way to usual limits
regardless of very low flow.

No Fish observed

11 Redds

11 false redds (test)

Mon 10/5/87 Panther Creek Temp 48 ✓
1400 hrs White River Temp 49
Panther Cr from mouth (lower)

to trail (Sears Cr)
5 redds
6 false (test)

trail to Falls
6 Redds
5 false (test)

last Redd about 200 yds below falls

DVs made it ~~at~~ nearly all
the way to usual limits
regardless of very low flow.

No Fish observed
11 Redds
11 false redds (test)