

09/10/92	0900	EA	38		Z16Z17	R	DEEP	CR	46F	DV	BULL			3	0			78	7
08/13/93	0845	EA	38		Z16Z17	R	DEEP	CR	47F	DV	BULL	0	0	0	0			0	0
08/24/93	0900	EA	38		Z16Z17	R	DEEP	CR	44F	DV	BULL	9	0	9	0			15	2
09/02/93	0900	EA	38		Z16Z17	R	DEEP	CR	45F	DV	BULL	13	0	13	3		2FM,1STR	37	9
09/10/93	0830	EA	38		Z16Z17	R	DEEP	CR	46F	DV	BULL	0	0	0	1		STRANDED	45	9
07/07/92	1200	LGB	39		AT3AT4	R	GOLD	CR		DV	BULL	MEMO	ONLY	0					
09/25/84	1200	JS	39	20	AT3AT4	R	GOLD	CR (LOWER)	9.5C	DV	BULL	0	2	2	0			2	1
10/05/84	1200	JS	39	20	AT3AT4	R	GOLD	CR (LOWER)		DV	BULL	0	0	0	0			2	1
09/09/85	0833	JS	39	20	AT3AT4	R	GOLD	CR (LOWER)		DV	BULL	0	0	0	0			0	0
09/13/85	0951	JS	39	20	AT3AT4	R	GOLD	CR (LOWER)		DV	BULL			1				2	0
09/14/85		JS	39		AT3AT4	R	GOLD	CR (LOWER)		DV	BULL	0	0	0	0			0	0
09/20/85	0831	JS	39	20	AT3AT4	R	GOLD	CR (LOWER)		DV	BULL			0	0			2	0
09/30/85		JS	39		AT3AT4	R	GOLD	CR (LOWER)		DV	BULL	0	0	0	0			0	0
09/22/86	1500	LGB	39	20	AT3AT4	R	GOLD	CR (LOWER)		DV	BULL	3	9	12	1		SPEARED	21	3
08/27/87	1300	LGB	39	20	AT3AT4	R	GOLD	CR (LOWER)		DV	BULL	0	0	1	0			0	0
09/17/87	1000	LGB	39	20	AT3AT4	R	GOLD	CR (LOWER)	53F	DV	BULL	0	4	4	0			1	0
10/05/87	1030	LGB	39	20	AT3AT4	R	GOLD	CR (LOWER)	52F	DV	BULL	0	7	7	0			15	43
09/15/88	1200	LGB	39	20	AT3AT4	R	GOLD	CR (LOWER)	56F	DV	BULL	0	4	4	0			4	3
09/22/88	1100	LGB	39	20	AT3AT4	R	GOLD	CR (LOWER)	52F	DV	BULL	0	6	6	0			12	70
09/15/89	0900	LGB	39	20	AT3AT4	R	GOLD	CR (LOWER)	52F	DV	BULL	0	4	4	0			1	0
09/20/89	1000	LGB	39	20	AT3AT4	R	GOLD	CR (LOWER)	52F	DV	BULL	0	4	4	0			2	17
09/27/90	1330	LGB	39	20	AT3AT4	R	GOLD	CR (LOWER)	58F	DV	BULL	0	0	0	0			2	0
09/13/91	1400	LGB	39	20	AT3AT4	R	GOLD	CR (LOWER)		DV	BULL			0	MEMO ---	NO COUNT			
09/20/91	NBRD	FG	39	20	AT3AT4	R	GOLD	CR (LOWER)		DV	BULL			16	0			6	0
09/18/92	from	FRI	39		AT3AT4	R	GOLD	CR (LOWER)		DV	BULL			0				3	
09/30/92	1017	BDB	39		AT3AT4	R	GOLD	CR (LOWER)	51F	DV	BULL	0	0	0	0			0	5
10/20/92	1000	BDB	39		AT3AT4	R	GOLD	CR (LOWER)	48F	DV	BULL			0	SURVEY	CANCELLED	RAIN	YUK	
09/23/93	1201	FRI	39		AT3AT4	R	GOLD	CR (LOWER)	11.2C	DV	BULL			2				2	0
09/18/90	1000	LGB	39	20	AT3AT4	R	GOLD	CR (UPPER)	52F	DV	BULL	0	2	2	0			9	0
09/19/91	CERD	KS	39	20	AT3AT4	R	GOLD	CR (UPPER)		DV	BULL	0	0	2	2		ANGLERS	3	0
09/20/91	NBRD	FG	39	20	AT3AT4	R	GOLD	CR (UPPER)		DV	BULL			20				10	
09/18/92	from	FRI	39		AT3AT4	R	GOLD	CR (UPPER)		DV	BULL			0				11	3
10/09/92	1015	BDB	39		AT3AT4	R	GOLD	CR (UPPER)	8.0C	DV	BULL	0	0	0	0			2	0
09/23/93	1200	FRI	39		AT3AT4	R	GOLD	CR (UPPER)	9.6C	DV	BULL			2	LOST 15	OF 17		9	6
09/18/90		WDW	38	30	Y74Y75	R	HINDOO	CR	48F	DV	BULL	0	0	0	0			3	0
09/08/84	1200	JS	38	23	Y58Y59	R	INDIAN	CR		DV	BULL	6	140	146	1		CLUBBED	3	6
09/15/84	1200	JS	38	23	Y58Y59	R	INDIAN	CR	11C	DV	BULL	20	25	45	0			29	22
09/12/85		JS	38		Y58Y59	R	INDIAN	CR		DV	BULL			90	FALSE IN	CLUDED		69	INC
09/17/85	0943	JS	38	23	Y58Y59	R	INDIAN	CR		DV	BULL			62	0			37	18
09/03/86		JS	38		Y58Y59	R	INDIAN	CR		DV	BULL			45	PARTIAL	SURVEY		16	8
09/12/87		JS	38		Y58Y59	R	INDIAN	CR		DV	BULL			20				35	
09/02/88	1101	EA	38	23	Y58Y59	R	INDIAN	CR	43F	DV	BULL			25	0			8	0
09/09/88	1103	EA	38	23	Y58Y59	R	INDIAN	CR	45F	DV	BULL			25	0			22	0
09/16/88	1105	EA	38	23	Y58Y59	R	INDIAN	CR	48F	DV	BULL	0	0	23	1		unknown	25	0
09/26/88	1107	EA	38	23	Y58Y59	R	INDIAN	CR	43F	DV	BULL	0	0	0	0			25	0
09/14/89	1201	EA	38	23	Y58Y59	R	INDIAN	CR	?	DV	BULL	0	0	36	0			30	0
09/28/89	1203	EA	38	23	Y58Y59	R	INDIAN	CR	47F	DV	BULL	0	0	5	0			39	0
09/25/90	1207	EA	38	23	Y58Y59	R	INDIAN	CR	45F	DV	BULL	0	0	27	0			69	21
10/01/91	1301	EA	38	23	Y58Y59	R	INDIAN	CR	45F	DV	BULL	0	0	61	FALSE IN	CLUDED		108	INC
09/04/92	1300	JLC	38		Y58Y59	R	INDIAN	CR	46F	DV	BULL	0	0	15	FALSE IN	CLUDED		123	INC
09/09/92		CWU	38		Y58Y59	R	INDIAN	CR	42F	DV	BULL	LOTS	LOTS	0	NONE	NO COUNT	UNK	UNK	
09/14/92	0830	EA	38		Y58Y59	R	INDIAN	CR		DV	BULL			40	0			78	0
09/15/92		CWU	38		Y58Y59	R	INDIAN	CR	46F	DV	BULL			37	0			125	13
09/25/92		CWU	38		Y58Y59	R	INDIAN	CR		DV	BULL			30	0			135	6
09/09/93	0915	EA	38		Y58Y59	R	INDIAN	CR		DV	BULL			0	0			142	2
09/21/93	0930	EA	38		Y58Y59	R	INDIAN	CR	47F	DV	BULL	46	7	53	0			95	13
10/01/93	1000	EA	38		Y58Y59	R	INDIAN	CR	46F	DV	BULL								
10/18/91		WNE	45	23	*JAMES	R	JAMES	CR	39F	DV	BULL	1	2						
10/07/80	1200	LGB	39	21	A56A57	R	KACHESS	R		DV	BULL	0	2	2	0			0	0
09/25/87	1200	JS	39	21	A56A57	R	KACHESS	R		DV	BULL	0	0	0	0			0	0
08/31/93	1200	LGB	39		AS6AS7	R	KACHESS	R (Upper)	47F	DV	BULL	0	0	0	0			0	0
09/16/93	1500	LGB	39		AS6AS7	R	KACHESS	R (Upper)	49F	DV	BULL	0	0	0	0			0	0
09/30/93	1430	LGB	39		AS6AS7	R	KACHESS	R (Upper)	48F	DV	BULL	0	0	0	0			0	0
10/18/93	1400	LGB	39		AS6AS7	R	KACHESS	R (Upper)	43F	DV	BULL	0	0	0	0			0	0
09/12/84	1100	LGB	45	40	BD8BD9	R	LITTLE	WENATCHEE	R	DV	BULL	0	0	0	0			0	0

Live Dead

Redds False



10/05/89	WDW	46	11	BH7BH8	R	MAD R		DV	BULL			7					15	
10/16/89	WDW	46	11	BH7BH8	R	MAD R	44F	DV	BULL			1					15	0
10/16/90	WDW	46	11	BH7BH8	R	MAD R	32F	DV	BULL	0	0	2	0				17	0
10/17/91	WNF	46	11	BH7BH8	R	MAD R	43F	DV	BULL	0	0	1	0				21	0
10/01/92	1500 WNF	46		BH7BH8	R	MAD R (partial 1 of 3)	47F	DV	BULL	0	0	0	0				6	0
10/02/92	1300 WNF	46		BHYBH8	R	MAD R (partial 2 of 3)	47F	DV	BULL	0	0	0	0				2	0
10/09/92	1400 WNF	46		BH7BH8	R	MAD R (partial 3 of 3)	41F	DV	BULL	0	0	0	0				8	2
09/09/93	1300 WNF	46		BH7BH8	R	MAD R (partial, level I)	52F	DV	BULL			0	0				2	0
09/14/93	1300 WNF	46		BH7BH8	R	MAD R (partial, level I)	47F	DV	BULL			0	0				1	0
09/22/93	1300 WNF	46		BH7BH8	R	MAD R (partial, level II)	39F	DV	BULL			0	0				2	0
10/19/93	1300 WNF	46		BH7BH8	R	MAD R (partial, level II)	41F	DV	BULL			0	0				0	0
10/20/93	1300 WNF	46		BH7BH8	R	MAD R (partial, level II)	39F	DV	BULL			0	0				5	0
09/29/89	WDW	39	20	*MEADO	R	MEADOW CR	52F	DV	BULL			0						
09/18/89	WDW	45	22	BD6BD7	R	MILL CR	45F	DV	BULL	0	0	0	0				1	0
09/21/89	WDW	45	22	BD6BD7	R	MILL CR		DV	BULL	0	0	0	0				1	0
10/12/89	WDW	45	22	BD6BD7	R	MILL CR		DV	BULL	0	0	0	0				1	0
10/16/91	WNF	45	22	BD6BD7	R	MILL CR	43F	DV	BULL	0	0	1	0				1	0
10/07/80	LGB	39	21	A58A59	R	● MINERAL CR		DV	BULL			3	0				0	0
08/15/84	1500 JS	39	21	A58A59	R	● MINERAL CR		DV	BULL	0	0	0	0				0	0
09/09/85	1133 JS	39	21	A58A59	R	● MINERAL CR		DV	BULL	0	0	0	0				0	0
08/27/86	0900 LGB	39	21	A58A59	R	● MINERAL CR		DV	BULL	0	0	0	0				0	0
10/16/91	NTS	39	21	A58A59	R	● MINERAL CR	44F	DV	BULL	0	0	0	0				0	0
08/31/93	1045 LGB	39		AS8AS9	R	● MINERAL CR	49F	DV	BULL	0	0	0	0				0	0
09/16/93	1400 LGB	39		AS8AS9	R	● MINERAL CR	51F	DV	BULL	0	0	0	0				0	0
09/30/93	1330 LGB	39		AS8AS9	R	● MINERAL CR	49F	DV	BULL	0	0	0	0				0	0
10/18/93	1405 LGB	39		AS8AS9	R	● MINERAL CR	44F	DV	BULL	0	0	0	0				0	0
09/18/84	1200 LGB	45	22	BC9CD1	R	NASON CR		DV	BULL	0	0	0	0				4	0
09/27/83	1200 LGB	45	50	BF4BF5	R	● PANTHER CR		DV	BULL	12	2	14	1			POACHER	46	0
08/18/84	1200 LGB	45	50	BF4BF5	R	● PANTHER CR		DV	BULL	0	0	0	0				0	0
09/11/84	1500 LGB	45	50	BF4BF5	R	● PANTHER CR	48F	DV	BULL	7	3	10	0				8	7
09/19/84	1100 LGB	45	50	BF4BF5	R	● PANTHER CR	48.2F	DV	BULL	8	6	14	0				20	11
09/23/85	1102 JS	45	50	BF4BF5	R	● PANTHER CR		DV	BULL	0	0	8	1			POACHER	6	5
09/09/86	1300 LGB	45	50	BF4BF5	R	● PANTHER CR	51.8F	DV	BULL	0	0	0	0				2	1
09/16/86	1230 LGB	45	50	BF4BF5	R	● PANTHER CR	48.2F	DV	BULL	0	0	0	0				2	1
08/31/87	1200 LGB	45	50	BF4BF5	R	● PANTHER CR	58F	DV	BULL	0	0	0	0				0	0
09/18/87	1030 LGB	45	50	BF4BF5	R	● PANTHER CR	47F	DV	BULL	0	3	3	0				0	0
10/05/87	1400 LGB	45	50	BF4BF5	R	● PANTHER CR	48F	DV	BULL	0	0	0	0				11	11
09/12/88	1330 LGB	45	50	BF4BF5	R	● PANTHER CR	50F	DV	BULL	0	0	0	0				0	0
09/20/88	1200 LGB	45	50	BF4BF5	R	● PANTHER CR	46.5F	DV	BULL	7	9	16	0				8	4
09/27/88	1200 LGB	45	50	BF4BF5	R	● PANTHER CR	46F	DV	BULL	5	7	12	0				19	3
10/03/88	1100 LGB	45	50	BF4BF5	R	● PANTHER CR	49F	DV	BULL	0	0	0	0				32	8
09/13/89	1100 LGB	45	50	BF4BF5	R	● PANTHER CR	50F	DV	BULL	2	7	9	0				2	2
09/21/89	1330 LGB	45	50	BF4BF5	R	● PANTHER CR	48.5F	DV	BULL	9	6	15	0				27	5
10/03/89	1230 LGB	45	50	BF4BF5	R	● PANTHER CR	45F	DV	BULL	2	2	4	0				33	3
09/20/90	1100 LGB	45	50	BF4BF5	R	● PANTHER CR	50F	DV	BULL	0	0	0	0				2	0
09/28/90	1200 LGB	45	50	BF4BF5	R	● PANTHER CR	50F	DV	BULL	2	0	2	1			UNKNOWN	7	3
10/04/90	1400 LGB	45	50	BF4BF5	R	● PANTHER CR		DV	BULL	HIGH	WATER	0	NO			SURVEY	POSS	0
09/17/91	1100 LGB	45	50	BF4BF5	R	● PANTHER CR	51F	DV	BULL	7	9	16	0				12	3
09/25/91	1100 LGB	45	50	BF4BF5	R	● PANTHER CR	50F	DV	BULL	2	3	5	0				31	3
10/01/91	1030 LGB	45	50	BF4BF5	R	● PANTHER CR	48F	DV	BULL	4	1	5	?			ROTTEN SMELL	36	3
10/15/91	0915 LGB	45	50	BF4BF5	R	● PANTHER CR	45F	DV	BULL	0	0	0	0				37	2
08/04/92	1200 BDB	45		BF4BF5	R	● PANTHER CR		DV	BULL	0	6	6	0				0	0
09/09/92	1000 LGB	45		BF4BF5	R	● PANTHER CR	9C	DV	BULL	0	1	1	0				2	0
09/18/92	1030 LGB	45		BF4BF5	R	● PANTHER CR	7.5C	DV	BULL	8	7	15	0				21	8
09/23/92	1100 LGB	45		BF4BF5	R	● PANTHER CR	10.8C	DV	BULL	1	6	7	0				24	10
10/02/92	0915 LGB	45		BF4BF5	R	● PANTHER CR	9.5C	DV	BULL	2	0	2	0				26	12
08/27/93	1000 LGB	45		BF4BF5	R	● PANTHER CR	51F	DV	BULL	0	15	15	0				0	0
09/03/93	1000 LGB	45		BF4BF5	R	● PANTHER CR	52F	DV	BULL	4	8	12	0				2	2
09/13/93	1200 LGB	45		BF4BF5	R	● PANTHER CR	49F	DV	BULL	4	14	18	0				10	3
09/22/93	1100 LGB	45		BF4BF5	R	● PANTHER CR	44F	DV	BULL	17	2	19	1			(SKIN) UNKNOWN	37	6
10/01/93	0900 LGB	45		BF4BF5	R	● PANTHER CR	48F	DV	BULL	3	2	5	0				45	8
10/15/93	0945 LGB	45		BF4BF5	R	● PANTHER CR	47F	DV	BULL	0	0	0	0				41	12
09/19/89	1401 WDW	45	23	H27H28	R	PHELPS CR		DV	BULL			1	0				0	0
09/28/89	1402 WDW	45	23	H27H28	R	PHELPS CR	47F	DV	BULL			12	0				18	0
10/11/89	1403 WDW	45	23	H27H28	R	PHELPS CR	46F	DV	BULL			0	0				23	0
10/11/90	WDW	45	23	H27H28	R	PHELPS CR	36F	DV	BULL	0	0	0	0				7	0



10/07/80	LGB	A58A59 MINERAL CR	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.
		<del>A58A59</del> LISTED AS A58A59 IN MUDF	
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	AS8A59 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	AS8A59 MINERAL CR	
09/30/93	1330 LGB	AS8A59 MINERAL CR	STILL NOTHING IN THIS CREEK OR IN UPPER KACHESS R.
10/18/93	1405 LGB	AS8A59 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 WNF 10/07/80 1200 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	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	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	AS6A57 KACHESS R (Upper)	STILL NOTHING IN THIS CREEK OR IN MINERAL CREEK. SAW NO ADULT BLC OR REDDS ENTIRE SEASON.  THE ONLY CHANCE IS FOR EARLY FALL RAINS TO RE-WATER THE CHANNEL AND LET FISH UP FROM KACHESS LAKE.
077	09/30/93 1430 LGB	AS6A57 KACHESS R (Upper)	
083	10/18/93 1400 LGB	AS6A57 KACHESS R (Upper)	
53	09/12/84 1100 LGB	BD8BD9 LITTLE WENATCHEE R	Attempted to find dolly spawners below the falls for about one mile. No fish observed and no spawning activity.