

TABLE 5

UPPER YELLOWSTONE RIVER
WATER QUALITY DATA
APRIL 22-23, 1998

STATION	NITRATE	TOTAL	TOTAL	ORTHO	TOTAL	SULFATE	ALUMINUM	BORON	BARIUM	CALCIUM	IRON	POTASSIUM	MAGNESIUM	MANGANESE	SODIUM	SILICON	STRONTIUM	TOTAL	ALKALINITY	pH	TOTAL	SPECIFIC											
	PLUS	KJELDAHL	AMMONIA	PHOSPHOR.	PHOSPHOR.													HARDNESS														SUSPENDED	CONDUCT.
	NITRITE	NITROGEN	AS N															MG/L CaCO3	(units)	SOLIDS	(uMh)												
51	0.12	0.55	0.07	0.03	0.04	25.00	0.43	0.35	0.00	16.70	0.41	4.70	5.50	0.00	19.80	15.00	0.12	64.00	70.00	8.23	13.20	338.00											
52	0.41	0.35	0.08	0.03	0.04	26.00	0.43	0.35	0.00	16.90	0.41	4.40	5.60	0.00	19.70	15.10	0.12	64.90	70.00	8.52	13.80	338.00											
53	6.74	0.24	<.01	0.02	0.03	28.00	0.32	0.36	0.00	18.40	0.27	4.60	6.20	0.00	20.00	14.80	0.13	71.10	70.00	8.30	8.24	354.00											
55	1.50	0.10	<.01	0.04	0.04	22.50	0.25	0.29	0.00	17.60	0.21	4.20	5.90	0.00	17.90	15.40	0.13	67.90	70.00	8.26	5.84	322.00											
55D	0.19	<.10	<.01	0.04	0.03	23.40	0.25	0.29	0.00	17.80	0.21	4.70	5.90	0.00	18.00	15.40	0.13	68.40	70.00	8.13	5.96	n/a											
56	0.49	<.10	<.01	0.01	0.02	17.70	0.12	0.15	0.03	22.50	0.10	3.60	7.70	0.00	14.10	10.00	0.17	87.40	88.00	8.36	6.20	327.00											
59	0.12	<.10	<.01	0.03	0.04	25.30	0.32	0.30	0.00	19.50	0.30	4.80	6.50	0.00	18.80	14.00	0.14	75.10	76.00	8.32	14.70	343.00											
512	0.15	<.10	<.01	0.03	0.05	30.00	0.39	0.00	2.90	22.40	0.36	5.00	7.30	0.00	19.10	13.80	0.16	85.60	82.00	8.34	20.00	373.00											
513	0.11	0.15	<.01	0.05	0.08	37.00	0.95	0.02	0.04	56.30	0.98	3.30	11.90	0.05	23.70	5.30	0.59	174.00	178.00	8.34	51.30	603.00											
514	0.06	<.10	<.01	0.03	0.03	31.10	0.35	0.26	0.01	27.10	0.33	4.80	8.10	0.00	19.90	12.00	0.23	101.00	102.00	8.36	17.40	410.00											
all units in milligrams per liter unless otherwise noted																																	
LEGEND						SAMPLE DATE		FLOW																									
51 - BELOW GARDINER WWTP						4/22/98		n/a																									
52 - BELOW LADUKE HOT SPRINGS						4/22/98		1740 CFS @ usgs corwin sprgs. sta.																									
53 - BELOW TOM MINER CREEK CONFLUENCE						4/22/98		n/a																									
55 - BELOW BIG CREEK CONFLUENCE						4/22/98		n/a																									
55D - BELOW BIG CREEK CONFLUENCE QA/QC DUPLICATE						4/22/98		n/a																									
56 - BELOW MILL CREEK CONFLUENCE						4/22/98		n/a																									
59 - USGS GAGING STATION @ CARTER BRIDGE						4/23/98		2300 CFS																									
512 ABOVE SHIELDS RIVER CONFLUENCE						4/23/98		n/a																									
513 - MOUTH OF SHIELDS RIVER						4/23/98		376 CFS																									
514 - ABOVE SPRINGDALE ACCESS						4/23/98		n/a																									