

United States Department of the Interior



BUREAU OF RECLAMATION
Great Plains Region
Montana Area Office
P.O. Box 30137
Billings, Montana 59107-0137
April 8, 2008

Dear Interested Party:

Thank you to those who attended our March meeting in Lovell, Wyoming, and particularly those who provided comments regarding our proposed Yellowtail Dam and Bighorn Lake spring/summer 2008 operating plan. Your feedback is always welcome as it helps us do a better job of meeting the various demands on Yellowtail.

We have experienced relatively cool weather and the mountain snowpack within the Bighorn Basin has continued to increase since our meeting in March. Our mountain snowpack is now approximately 104% of average (as compared to approximately 74% at this time last year), and our April-July runoff forecast is 820,000 acre-feet (as compared to 727,000 acre-feet last year). However, due to the cool weather so far this spring, we have yet to see inflows to Yellowtail increase and the reservoir continues to draft. We anticipate this trend to continue into late April or early May, and we are not planning to change releases (currently 1900 cfs) until we see a significant increase in inflows to avoid over-drafting the reservoir (such as happened in 2006).

Under the most probable runoff conditions, we expect to have a relatively full reservoir pool through the summer while providing improved river releases compared to last year. However, due to the uncertainties involved in trying to predict the weather, we will continue to monitor conditions very closely and will make adjustments, as necessary, depending on the actual inflows to Yellowtail. Updates to the operations plan can be accessed through our Web site at www.usbr.gov/gp/mtao.

We remain committed to continue exploring opportunities for enhancing benefits for all Yellowtail beneficiaries through collaborative efforts with interested parties and stakeholders from both Montana and Wyoming. Please feel free to provide us with additional information and comments as this operational season progresses.

Sincerely,

Dan Jewell Area Manager

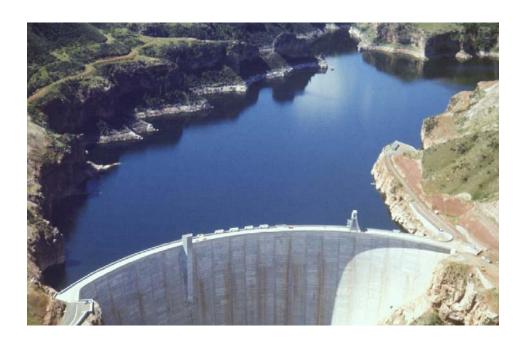
RECLAMATION Managing Water in the West

April 1, 2008

Dear Customer:

Attached are the monthly water supply outlook and projected reservoir and river operating plans as prepared in April 2008. Storage in Bighorn Lake at the beginning of April was 4.3 feet higher than on April 1, 2007. Inflow to Bighorn Lake during March was 51 percent of average, making it the 4th lowest of record for March. The April-July inflow to Bighorn Lake is forecast at 820,000 acre-feet or about 74 percent of average. If you have any questions or concerns, please feel free to call me at (406) 247-7318.

Tim H. Felchle Reservoir and River Operations





U. S. Department of the Interior Bureau of Reclamation Montana Area Office River and Reservoir Operations

YELLOWTAIL RESERVOIR OPERATIONS

Water Supply Forecasts and Reservoir Operations April 1, 2008

Present Elevations & Storages:

Reservoir	<u>Elevation</u>	<u>Storage</u>	Percent of Normal
Boysen	4706.62	447,660	
Buffalo Bill	5368.29	455,220	
Bighorn Lake	3613.47	826,042	99

Actual Inflows (1,000 Acre-Feet):

Month	<u>Inflow</u>	Percent of Normal
April-July, 2007	614.1	51
WY-2007 Total	1,364.2	<i>54</i>
October	138.7	76
November	95.8	63
December	66.3	48
January	66.3	50
February	68.0	50
March	86.1	51

Actual Gains Between Boysen and Buffalo Bill to Yellowtail (1,000 Acre-Feet):

Month	<u>Gains</u>	Percent of Normal
April-July, 2007	188.2	60
WY-2007 Total	462.0	64
October	92.9	118
November	63.2	98
December	32.3	71
January	32.2	69
February	36.0	63
March	52.2	68

April Forecast of April-July Runoff (1,000 Acre-Feet):

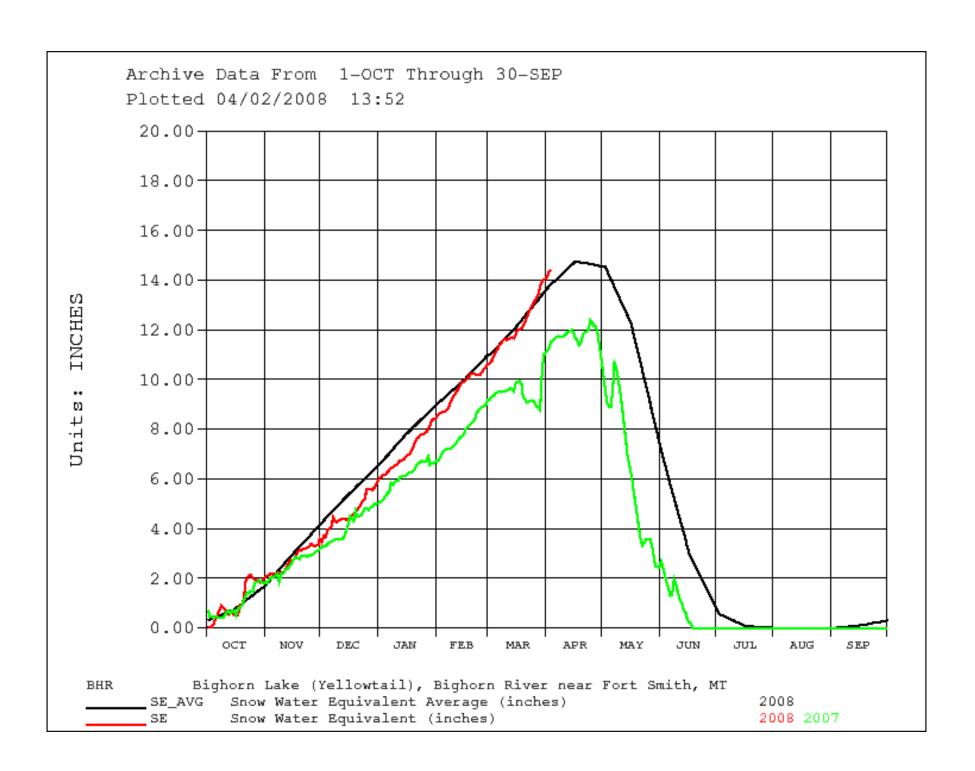
<u>Agency</u>	<u>Gains</u>	Percent of Normal
USBR	245	85
	Inflows	
USBR	820	74

Snowpack Conditions:

S N O W - P R E C I P I T A T I O N U P D A T E
Based on Mountain Data from NRCS SNOTEL Sites
As of TUESDAY: April 1, 2008

BASIN Data Site Name	ELEV. (Ft)	SNOW WAT	ER EQUIV	 ALENT %	TOTAL PRECIPITATION			
	(,	•		Avg	Current	Average	Avg	
UPPER YELLOWSTONE RIVER	BASIN							
BEARTOOTH LAKE	9360	26.0	23.6	110	24.7	20.3	122	
BOX CANYON	6670	11.5	10.4	111	14.6	12.5	117	
BRACKETT CREEK	7320	21.1	21.5	98	26.4	25.2	105	
BURNT MTN	5880	5.6	6.2	90	10.1	15.4	66	
CANYON	7870	18.3	13.9	132	21.4	15.6	137	
COLE CREEK	7850	10.8	16.4	66	10.1	16.7	60	
EVENING STAR	9200	31.1	30.1	103	34.2	25.5	134	
FISHER CREEK	9100	42.6	35.4	120	38.6	36.8	105	
MONUMENT PEAK	8850	24.2	21.0	115	22.3	21.3	105	
NORTHEAST ENTRANCE	7350	11.0	11.3	97	14.1	12.8	110	

PARKER PEAK PLACER BASIN							
PLACER BASIN	9400	27.4		125	25.0		
	8830	18.7	17.8	105	19.5	19.1	102
PORCUPINE		6.7	6.9		10.1	11.9	
SACAJAWEA	6550	15.6		105	24.4	22.7	
SHOWER FALLS	8100		22.7		28.4	24.6	115
S FORK SHIELDS	8100	14.6	17.7	82	19.0	20.3	94
SYLVAN LAKE	8420	22.2	22.8	97	26.7	21.1	127
SYLVAN ROAD	7120	13.6	12.9	105	22.1	17.8	124
THUMB DIVIDE	7980	19.4	19.2	101	21.3	19.1	
TWO OCEAN PLATEAU	9240	38.1	28.4	134	32.3		115
WHITE MILL	8700		24.6				
WOLVERINE	7650		11.6				
YOUNTS PEAK	8350	17.7	17.3	102	18.2	16.3	112
	wide perce	nt of av	rerage				110
WIND RIVER BASIN (WYOM							
BURROUGHS CREEK			14.8		19.3		
COLD SPRINGS	9630	7.0	9.0		10.2	10.7	
DEER PARK	9700	15.7	17.1	92	20.2	22.1	
HOBBS PARK	10100	14.3	15.1		14.5	12.9	
KIRWIN	9550		11.5		14.6		
LITTLE WARM	9370	10.4		87	14.1	13.5	104
OWL CREEK	8975	5.9				5.9	120
SOUTH PASS	9040	14.9	16.7	89	17.7	18.6	95
ST. LAWRENCE ALT	8620	7.0	7.4	95	8.6	8.9	97
TOGWOTEE PASS	9580	28.0	25.2	111	30.1	24.9	121
TOWNSEND CREEK	8700	8.9	8.8	101	12.4	11.7	106
YOUNTS PEAK	8350	17.7	17.3	102	18.2	16.3	
Basin	wide perce	nt of av	rerage				108
SHOSHONE RIVER BASIN (WYOMING)						
SHOSHONE RIVER BASIN (BLACKWATER		26.5	24.8	107	24.1	20.7	116
			24.8 30.1		24.1 34.2	20.7 25.5	116 134
BLACKWATER	9780	31.1 7.2	30.1 9.0	103			
BLACKWATER EVENING STAR MARQUETTE	9780 9200	31.1 7.2	30.1 9.0	103 80	34.2	25.5 9.8	134 105
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE	9780 9200 8760 8420	31.1 7.2 22.2	30.1 9.0 22.8 12.9	103 80 97 105	34.2 10.3 26.7	25.5 9.8 21.1	134 105 127
BLACKWATER EVENING STAR MARQUETTE	9780 9200 8760	31.1 7.2 22.2	30.1 9.0	103 80 97 105 102	34.2 10.3	25.5 9.8 21.1	134 105 127 124 112
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK	9780 9200 8760 8420 7120	31.1 7.2 22.2 13.6 17.7	30.1 9.0 22.8 12.9 17.3	103 80 97 105 102	34.2 10.3 26.7	25.5 9.8 21.1	134 105 127 124
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK	9780 9200 8760 8420 7120 8350 wide perce	31.1 7.2 22.2 13.6 17.7	30.1 9.0 22.8 12.9 17.3	103 80 97 105 102	34.2 10.3 26.7 22.1 18.2	25.5 9.8 21.1 17.8 16.3	134 105 127 124 112
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin	9780 9200 8760 8420 7120 8350 wide perce	31.1 7.2 22.2 13.6 17.7 ent of av	30.1 9.0 22.8 12.9 17.3	103 80 97 105 102	34.2 10.3 26.7	25.5 9.8 21.1 17.8 16.3	134 105 127 124 112 122
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W	9780 9200 8760 8420 7120 8350 wide perce	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5	30.1 9.0 22.8 12.9 17.3 rerage	103 80 97 105 102 101	34.2 10.3 26.7 22.1 18.2	25.5 9.8 21.1 17.8 16.3	134 105 127 124 112 122
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W	9780 9200 8760 8420 7120 8350 wide perce	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5	30.1 9.0 22.8 12.9 17.3 rerage	103 80 97 105 102 101	34.2 10.3 26.7 22.1 18.2	25.5 9.8 21.1 17.8 16.3	134 105 127 124 112 122
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5	30.1 9.0 22.8 12.9 17.3 rerage 19.9 5.2 24.8	103 80 97 105 102 101 86 183 107	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1	25.5 9.8 21.1 17.8 16.3	134 105 127 124 112 122 89 116 116
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8	30.1 9.0 22.8 12.9 17.3 verage 19.9 5.2 24.8 16.4	103 80 97 105 102 101 86 183 107 109	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7	134 105 127 124 112 122 89 116 116 121
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1	30.1 9.0 22.8 12.9 17.3 verage 19.9 5.2 24.8 16.4 30.1	103 80 97 105 102 101 86 183 107 109 103	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5	134 105 127 124 112 122 89 116 116 121 134
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR GRAVE SPRINGS	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200 8550	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1 10.2	30.1 9.0 22.8 12.9 17.3 rerage 19.9 5.2 24.8 16.4 30.1 9.4	103 80 97 105 102 101 86 183 107 109 103 109	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2 10.8	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5 9.7	134 105 127 124 112 122 89 116 116 121 134 111
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR GRAVE SPRINGS KIRWIN	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200 8550 9550	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1 10.2 12.5	30.1 9.0 22.8 12.9 17.3 verage 19.9 5.2 24.8 16.4 30.1 9.4 11.5	103 80 97 105 102 101 86 183 107 109 103 109	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2 10.8 14.6	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5 9.7 11.3	134 105 127 124 112 122 89 116 116 121 134 111 129
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR GRAVE SPRINGS KIRWIN MARQUETTE	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200 8550 9550 8760	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1 10.2 12.5 7.2	30.1 9.0 22.8 12.9 17.3 rerage 19.9 5.2 24.8 16.4 30.1 9.4 11.5 9.0	103 80 97 105 102 101 86 183 107 109 103 109 109 80	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2 10.8 14.6 10.3	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5 9.7 11.3 9.8	134 105 127 124 112 122 89 116 116 121 134 111 129 105
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR GRAVE SPRINGS KIRWIN MARQUETTE MIDDLE POWDER	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200 8550 9550 8760 7760	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1 10.2 12.5 7.2 12.0	30.1 9.0 22.8 12.9 17.3 rerage 19.9 5.2 24.8 16.4 30.1 9.4 11.5 9.0 11.8	103 80 97 105 102 101 86 183 107 109 103 109 109 80 102	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2 10.8 14.6 10.3 9.7	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5 9.7 11.3 9.8 12.4	134 105 127 124 112 122 89 116 116 121 134 111 129 105 78
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR GRAVE SPRINGS KIRWIN MARQUETTE MIDDLE POWDER OWL CREEK	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200 8550 9550 8760 7760 8975	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1 10.2 12.5 7.2 12.0 5.9	30.1 9.0 22.8 12.9 17.3 rerage 19.9 5.2 24.8 16.4 30.1 9.4 11.5 9.0 11.8 5.6	103 80 97 105 102 101 86 183 107 109 103 109 80 102 105	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2 10.8 14.6 10.3 9.7 7.1	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5 9.7 11.3 9.8 12.4 5.9	134 105 127 124 112 122 89 116 116 121 134 111 129 105 78 120
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK BASIN BIGHORN RIVER BASIN (WARD BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR GRAVE SPRINGS KIRWIN MARQUETTE MIDDLE POWDER OWL CREEK POWDER RIVER PASS	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200 8550 9550 8760 7760 8975 9480	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1 10.2 12.5 7.2 12.0 5.9 12.7	30.1 9.0 22.8 12.9 17.3 rerage 19.9 5.2 24.8 16.4 30.1 9.4 11.5 9.0 11.8 5.6 10.9	103 80 97 105 102 101 86 183 107 109 103 109 109 80 102 105 117	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2 10.8 14.6 10.3 9.7 7.1 14.8	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5 9.7 11.3 9.8 12.4 5.9 12.4	134 105 127 124 112 122 89 116 116 121 134 111 129 105 78 120 119
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (WARD) BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR GRAVE SPRINGS KIRWIN MARQUETTE MIDDLE POWDER OWL CREEK POWDER RIVER PASS SHELL CREEK	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200 8550 9550 8760 7760 8975 9480 9580	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1 10.2 12.5 7.2 12.0 5.9 12.7 16.0	30.1 9.0 22.8 12.9 17.3 rerage 19.9 5.2 24.8 16.4 30.1 9.4 11.5 9.0 11.8 5.6 10.9 14.9	103 80 97 105 102 101 86 183 107 109 103 109 109 80 102 105 117 107	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2 10.8 14.6 10.3 9.7 7.1 14.8 15.4	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5 9.7 11.3 9.8 12.4 5.9 12.4 13.4	134 105 127 124 112 122 89 116 116 121 134 111 129 105 78 120 119 115
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR GRAVE SPRINGS KIRWIN MARQUETTE MIDDLE POWDER OWL CREEK POWDER RIVER PASS SHELL CREEK SYLVAN LAKE	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200 8550 9550 8760 7760 8975 9480 9580 8420	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1 10.2 12.5 7.2 12.0 5.9 12.7 16.0 22.2	30.1 9.0 22.8 12.9 17.3 rerage 19.9 5.2 24.8 16.4 30.1 9.4 11.5 9.0 11.8 5.6 10.9 14.9 22.8	103 80 97 105 102 101 86 183 107 109 103 109 109 80 102 105 117 107 97	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2 10.8 14.6 10.3 9.7 7.1 14.8 15.4 26.7	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5 9.7 11.3 9.8 12.4 5.9 12.4 13.4 21.1	134 105 127 124 112 122 89 116 116 121 134 111 129 105 78 120 119 115 127
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR GRAVE SPRINGS KIRWIN MARQUETTE MIDDLE POWDER OWL CREEK POWDER RIVER PASS SHELL CREEK SYLVAN ROAD	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200 8550 9550 8760 7760 8975 9480 9580 8420 7120	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1 10.2 12.5 7.2 12.0 5.9 12.7 16.0 22.2 13.6	30.1 9.0 22.8 12.9 17.3 rerage 19.9 5.2 24.8 16.4 30.1 9.4 11.5 9.0 11.8 5.6 10.9 14.9 22.8 12.9	103 80 97 105 102 101 86 183 107 109 103 109 109 80 102 105 117 107 97	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2 10.8 14.6 10.3 9.7 7.1 14.8 15.4 26.7 22.1	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5 9.7 11.3 9.8 12.4 5.9 12.4 13.4 21.1 17.8	134 105 127 124 112 122 89 116 116 121 134 111 129 105 78 120 119 115 127 124
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR GRAVE SPRINGS KIRWIN MARQUETTE MIDDLE POWDER OWL CREEK POWDER RIVER PASS SHELL CREEK SYLVAN LAKE SYLVAN ROAD TIMBER CREEK	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200 8550 9550 8760 7760 8975 9480 9580 8420 7120 7950	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1 10.2 12.5 7.2 12.0 5.9 12.7 16.0 22.2 13.6 4.5	30.1 9.0 22.8 12.9 17.3 rerage 19.9 5.2 24.8 16.4 30.1 9.4 11.5 9.0 11.8 5.6 10.9 14.9 22.8 12.9	103 80 97 105 102 101 86 183 107 109 103 109 109 80 102 105 117 107 97 105 78	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2 10.8 14.6 10.3 9.7 7.1 14.8 15.4 26.7 22.1 8.2	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5 9.7 11.3 9.8 12.4 5.9 12.4 13.4 21.1 17.8 7.4	134 105 127 124 112 122 89 116 116 121 134 111 129 105 78 120 119 115 127 124 111
BLACKWATER EVENING STAR MARQUETTE SYLVAN LAKE SYLVAN ROAD YOUNTS PEAK Basin BIGHORN RIVER BASIN (W BALD MTN. BEAR TRAP MEADOW BLACKWATER BONE SPRINGS DIV EVENING STAR GRAVE SPRINGS KIRWIN MARQUETTE MIDDLE POWDER OWL CREEK POWDER RIVER PASS SHELL CREEK SYLVAN ROAD	9780 9200 8760 8420 7120 8350 wide perce YOMING) 9380 8200 9780 9350 9200 8550 9550 8760 7760 8975 9480 9580 8420 7120	31.1 7.2 22.2 13.6 17.7 ent of av 17.1 9.5 26.5 17.8 31.1 10.2 12.5 7.2 12.0 5.9 12.7 16.0 22.2 13.6	30.1 9.0 22.8 12.9 17.3 rerage 19.9 5.2 24.8 16.4 30.1 9.4 11.5 9.0 11.8 5.6 10.9 14.9 22.8 12.9	103 80 97 105 102 101 86 183 107 109 103 109 109 80 102 105 117 107 97 105 78	34.2 10.3 26.7 22.1 18.2 15.5 9.6 24.1 17.8 34.2 10.8 14.6 10.3 9.7 7.1 14.8 15.4 26.7 22.1	25.5 9.8 21.1 17.8 16.3 17.5 8.3 20.7 14.7 25.5 9.7 11.3 9.8 12.4 5.9 12.4 13.4 21.1 17.8 7.4	134 105 127 124 112 122 89 116 116 121 134 111 129 105 78 120 119 115 127 124



BHXAOP V1.12 Run: 08-Apr-2008 13:45
Based on Most Probable Inflow Forecast

BIGHORN LAKE MONTHLY OPERATIONS

Bighorn Reservoir	Ir	nitial Co El		26.0 kaf 3.46 ft	Ma	aximum Co		28.4 kaf 7.00 ft	M	inimum C E		93.6 kaf 7.00 ft	
2008	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Boysen Release kaf	32.7	67.6	69.9	76.9	69.2	59.5	36.9	35.7	36.9	37.0	33.4	36.9	592.6
Boysen Release cfs	550	1099	1175	1251	1125	1000	600	600	600	602	601	600	
Buffalo Bill Riv Flo kaf	12.8	84.1	115.5	116.2	101.9	78.6	24.9	20.8	21.5	21.5	19.4	21.5	638.7
Buffalo Bill Riv Flo cfs	215	1368	1941	1890	1657	1321	405	350	350	350	349	350	
Station Gain kaf	39.1	79.9	128.6	-2.6	5.8	43.7	75.7	62.1	44.5	47.7	58.1	77.5	660.1
Monthly Inflow kaf	84.6	231.6	314.0	190.5	176.9	181.8	137.5	118.6	102.9	106.2	110.9	135.9	1891.4
Monthly Inflow cfs	1422	3767	5277	3098	2877	3055	2236	1993	1674	1727	1997	2210	
Turbine Release kaf	109.5	145.1	154.6	177.1	176.2	163.4	153.5	129.7	134.0	134.0	121.1	134.0	1732.2
Bypass/Spill/Waste kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Release kaf	109.5	145.1	154.6	177.1	176.2	163.4	153.5	129.7	134.0	134.0	121.1	134.0	1732.2
Total Release cfs	1840	2360	2598	2880	2866	2746	2496	2180	2179	2179	2181	2179	
Spring Flow kaf	4.2	4.3	4.2	4.3	4.3	4.2	4.3	4.2	4.3	4.3	3.9	4.3	50.8
Irrigation Reqmnt kaf	0.6	11.1	10.0	27.7	26.8	18.8	4.1	0.0	0.0	0.0	0.0	0.0	99.1
Afterbay Rels kaf	113.7	149.4	158.8	181.4	180.5	167.6	157.8	133.9	138.3	138.3	125.0	138.3	1783.0
Afterbay Rels cfs	1911	2430	2669	2950	2936	2817	2566	2250	2249	2249	2251	2249	
River Release kaf	113.1	138.3	148.8	153.7	153.7	148.8	153.7	133.9	138.3	138.3	125.0	138.3	1683.9
River Release cfs	1901	2249	2501	2500	2500	2501	2500	2250	2249	2249	2251	2249	
Min Release kaf	113.1	138.3	148.8	153.7	153.7	148.8	153.7	133.9	138.3	138.3	125.0	138.3	1683.9
End-Month Targets kaf			1070.0	1070.0									
End-Month Content kaf	801.1	887.6	1047.0	1060.4	1061.1	1079.5	1063.5	1052.4	1021.3	993.5	983.3	985.2	
		3621.78				3640.74							
Net Change Content kaf	-24.9	86.5	159.4	13.4	0.7	18.4	-16.0	-11.1	-31.1	-27.8	-10.2	1.9	159.2
Yellowtail Power 2008	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
Turbine Release kaf	109.5	145.1	154.6	177.1	176.2	163.4	153.5	129.7	134.0	134.0	121.1	134.0	1732.2
Generation gwh	41.212	55.248	61.421	72.268	72.051	67.004	62.967	52.993	54.406	53.918	48.438	53.527	695.453
End-Month Power Cap mw	258.7	269.9	285.6	286.7	286.8	288.0	287.0	286.1	283.4	280.9	279.9	280.1	
% Max Gen	20	26	30	34	34	32	29	26	25	25	25	25	
Ave kwh/af	376	381	397	408	409	410	410	409	406	402	400	399	401
Upstream Generation qwh	14.942	28.062	28.206	30.196	29.493	27.641	11.003	8.719	9.025	9.022	8.130	9.005	213.444
Total Generation gwh	56.154	83.310			101.544	94.645	73.970	61.712	63.431	62.940	56.568	62.532	908.897

BIGHORN LAKE

