

RECLAMATION

Managing Water in the West

BOYSEN RESERVOIR OPERATIONS

Water Supply Forecasts and Reservoir Operations

Prepared June 2018

End of May Elevation and Storage: 4,721.23 FT & 670,407 Acre-Feet

Actual Inflows (1,000 Acre-Feet):

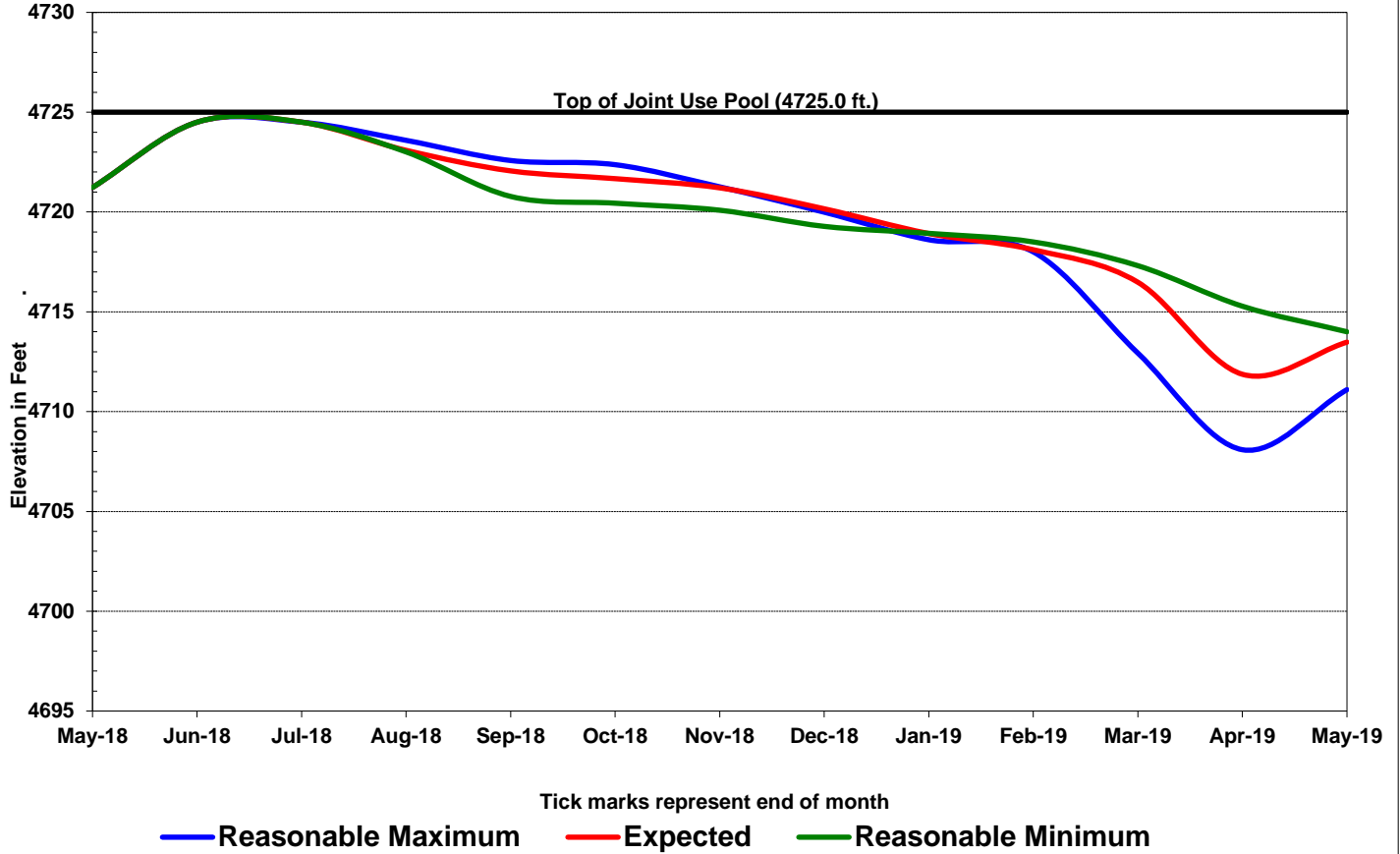
<u>Month</u>	<u>Inflow</u>	<u>Percent of Normal</u>
June 17	819.0	331
July 17	314.3	256
August 17	99.8	205
September 17	96.0	210
October 17	114.5	218
November 17	86.0	182
December 17	59.3	159
January 18	55.0	151
February 18	47.5	126
March 18	73.0	141
April 18	62.2	127
May 18	366.8	285



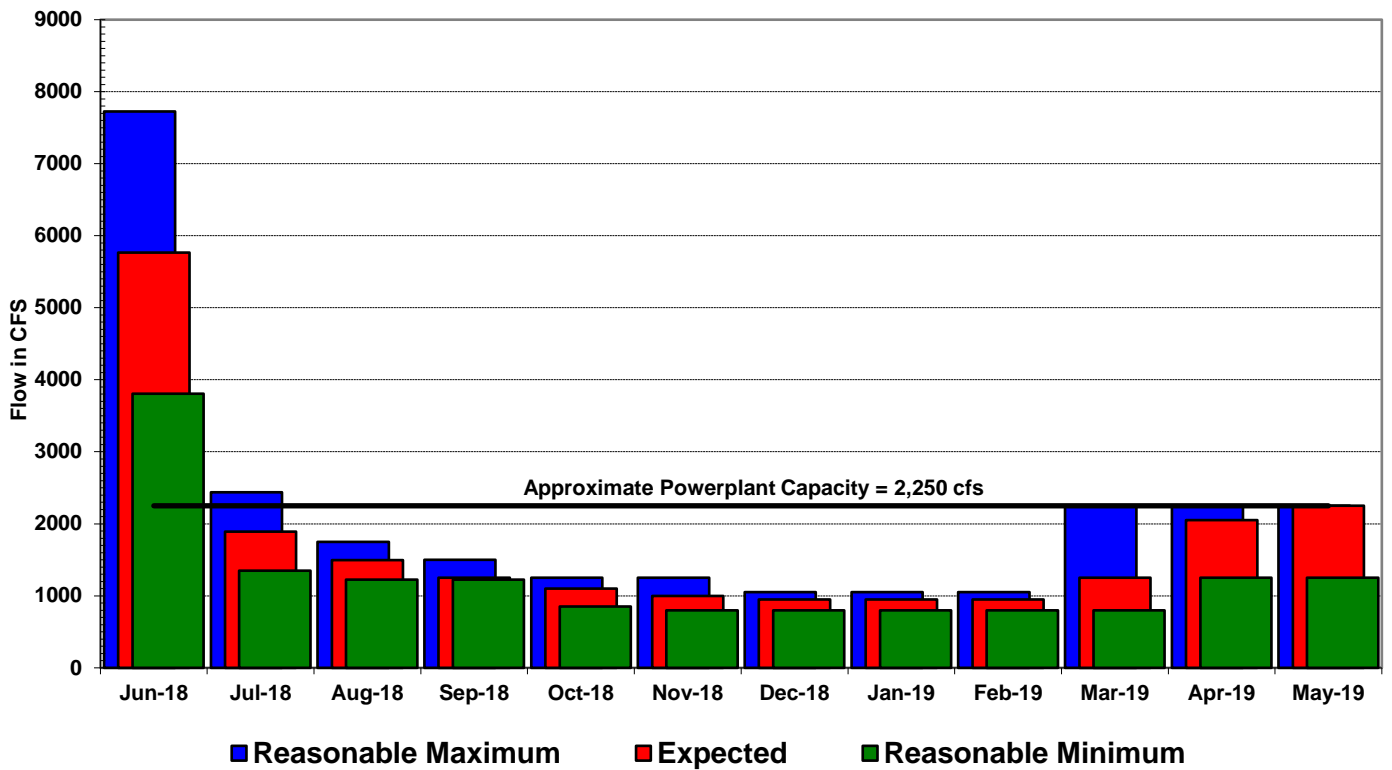
U.S Department of the Interior
Bureau of Reclamation
Great Plains Region
Wyoming Area Office
Mills, Wyoming

Boysen Reservoir

BOYSEN RESERVOIR ELEVATION



WIND RIVER FLOW BELOW BOYSEN DAM



BOYAOP V1.48 Run: 06-Jun-2018 07:58
 Based on a expected April-July inflow of 950 kaf

BOYSEN RESERVOIR MONTHLY OPERATIONS

Boysen Reservoir	2018	Initial Cont Elev 4721.23 ft					Maximum Cont Elev 4732.20 ft					Minimum Cont Elev 4685.00 ft		
		Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Monthly Inflow	kaf	404.7	116.4	65.1	55.2	60.5	51.0	39.6	36.8	38.9	50.2	52.1	162.0	
Monthly Inflow	cfs	6801	1893	1059	928	984	857	644	598	700	816	876	2635	
Turbine Release	kaf	133.6	116.4	92.1	74.4	67.7	59.5	58.4	58.4	52.8	70.0	122.0	138.4	
Bypass/Spill	kaf	209.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	
Total Release	kaf	343.2	116.4	92.1	74.4	67.7	59.5	58.4	58.4	52.8	76.9	122.0	138.4	
Total Release	cfs	5768	1893	1498	1250	1101	1000	950	950	951	1251	2050	2251	
End-Month Content	kaf	731.9	731.9	704.9	685.7	678.5	670.0	651.2	629.6	615.7	589.0	519.1	542.7	
End-Month Elevation	ft	4724.50	4724.50	4723.09	4722.06	4721.67	4721.21	4720.16	4718.92	4718.11	4716.48	4711.87	4713.48	
Net Change Content	kaf	61.5	0.0	-27.0	-19.2	-7.2	-8.5	-18.8	-21.6	-13.9	-26.7	-69.9	23.6	

BOYAOP V1.48 Run: 06-Jun-2018 07:59
 Based on a reasonable minimum April-July inflow of 800 kaf

BOYSEN RESERVOIR MONTHLY OPERATIONS

Boysen Reservoir	2018	Initial Cont Elev 4721.23 ft					Maximum Cont Elev 4732.20 ft					Minimum Cont Elev 4685.00 ft		
		Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Monthly Inflow	kaf	288.1	82.9	46.7	31.9	46.2	41.4	34.9	32.5	31.1	46.0	42.0	64.1	
Monthly Inflow	cfs	4842	1348	760	536	751	696	568	529	560	748	706	1042	
Turbine Release	kaf	131.9	82.9	75.3	72.9	52.3	47.6	49.2	49.2	44.4	49.2	74.4	76.9	
Bypass/Spill	kaf	94.7	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	226.6	82.9	75.3	72.9	52.3	47.6	49.2	49.2	44.4	49.2	74.4	76.9	
Total Release	cfs	3808	1348	1225	1225	851	800	800	800	799	800	1250	1251	
End-Month Content	kaf	731.9	731.9	703.3	662.3	656.2	650.0	635.7	619.0	605.7	602.5	570.1	557.3	
End-Month Elevation	ft	4724.50	4724.50	4723.01	4720.78	4720.44	4720.09	4719.28	4718.30	4717.50	4717.31	4715.28	4714.45	
Net Change Content	kaf	61.5	0.0	-28.6	-41.0	-6.1	-6.2	-14.3	-16.7	-13.3	-3.2	-32.4	-12.8	

BOYAOP V1.48 Run: 06-Jun-2018 07:59
 Based on a reasonable maximum April-July inflow of 1,100 kaf

BOYSEN RESERVOIR MONTHLY OPERATIONS

Boysen Reservoir	2018	Initial Cont Elev 4721.23 ft					Maximum Cont Elev 4732.20 ft					Minimum Cont Elev 4685.00 ft		
		Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
Monthly Inflow	kaf	521.1	149.9	90.0	70.4	72.9	54.0	41.8	40.7	47.9	59.0	66.1	179.7	
Monthly Inflow	cfs	8757	2438	1464	1183	1186	908	680	662	862	960	1111	2923	
Turbine Release	kaf	135.1	132.7	107.6	89.3	76.9	74.4	64.6	64.6	58.3	138.3	133.9	138.4	
Bypass/Spill	kaf	324.5	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Release	kaf	459.6	149.9	107.6	89.3	76.9	74.4	64.6	64.6	58.3	138.3	133.9	138.4	
Total Release	cfs	7724	2438	1750	1501	1251	1250	1051	1051	1050	2249	2250	2251	
End-Month Content	kaf	731.9	731.9	714.3	695.4	691.4	671.0	648.2	624.3	613.9	534.6	466.8	508.1	
End-Month Elevation	ft	4724.50	4724.50	4723.59	4722.58	4722.37	4721.26	4719.99	4718.61	4718.00	4712.93	4708.09	4711.10	
Net Change Content	kaf	61.5	0.0	-17.6	-18.9	-4.0	-20.4	-22.8	-23.9	-10.4	-79.3	-67.8	41.3	