Water Year 2016 Review for Yellowtail Dam/Bighorn Lake
Mountain Snowpack

**April-July Runoff**
2016: 1,032 KAF

Avg: 1,093 KAF
Mountain Snowpack

April-July Runoff
2016: 1,032 KAF
2015: 1,543 KAF
Avg: 1,093 KAF

Snow Water Equivalent (inches)

Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep

Snow Water Equivalent (inches)

Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep
Mountain Snowpack

Apr-July Runoff
- 2016: 1,032 KAF
- 2015: 1,543 KAF
- 2007: 614 KAF

Avg: 1,093 KAF
Bighorn River Basin Precipitation

The graph shows the precipitation in inches for each month from October to September. The highest precipitation is observed in April and May, while the lowest is in December and January. The precipitation ranges from 0 to 6 inches.
Water Year 2017
Fall and Winter Outlook
Conditions on November 1, 2016

**Elevation** 3637.7 - 2.3 feet below full pool  
3.7 feet higher than last year

**Storage** 992,930 acre-feet: 111% of average  
97% full

**Inflows** 2,430 cfs

**Outflow** 2,750 cfs
November through March Gains and Release

April-October Gain = 31,800 acre-feet

**Calculated November-March Gain = 231,200 acre-feet**

Upstream Reservoir Fall & Winter Releases =
- Boysen = 850 cfs
- Buffalo Bill = 205 cfs

End-of-October Storage = 992,930 acre-feet

Projected End-of-March Target Elevation = 3617 (807,900 acre-feet)

Calculated Fall & Winter Release for Yellowtail:
- River = 2,510 cfs
November Monthly Operating Plans
Most Probable Inflow Operations

Elevation (feet)

Flow (cfs)
Yellowtail Afterbay Operations
Questions and Comments
Reclamation’s Internet Website

www.usbr.gov/gp/lakes_reservoirs/wareprts/main_menu.html

• Near real-time data available through the HYDROMET data system
• Summaries and plots of historical data
• Annual reservoir operating plan publication
• Monthly water supply reports
• Project data
• Snow plots
• Links to related internet sites