USBR Updates:
Green River

CRFS Meeting October 27, 2016
Upper Basin Storage

Water Year 2017 Forecasted Inflow
Issued October - 2016

<table>
<thead>
<tr>
<th>Reservoir</th>
<th>WY2017 Forecast (KAF)</th>
<th>Percent of Average(^1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fontenelle</td>
<td>925</td>
<td>85%</td>
</tr>
<tr>
<td>Flaming Gorge</td>
<td>1,275</td>
<td>88%</td>
</tr>
<tr>
<td>Blue Mesa</td>
<td>810</td>
<td>85%</td>
</tr>
<tr>
<td>Navajo</td>
<td>885</td>
<td>82%</td>
</tr>
<tr>
<td>Powell</td>
<td>9,240</td>
<td>85%</td>
</tr>
</tbody>
</table>

\(^1\) percent of average based on period 1981-2010.

http://www.usbr.gov/uc/water/basin/tc_cr.html
Green River Operations

- Fontenelle
- Flaming Gorge
Fontenelle Operations
2016 Operations Summary
(the good)

• Reservoir filled
  – Peak elevation: 6504.6 ft (June 16)

• Spring peak
  – Peak release: 6,200 cfs (June 17)
  – Peak inflow: 8,329 cfs (June 12)

• Sufficient carry-over storage winter 2017
  – Baseflows set at 920 cfs
  – Potential shift to 950 cfs in November
2016 Operations Summary
(the not so good)

• Underestimated A-J inflow volume
  – Entered May anticipating “dry year operation”
• Filled reservoir by early June
  – High carry-over storage + May rainfall
Larval Trigger Study Plan

- Time Reach 1 flows with the initial appearance of larval suckers
- Design Matrix
  - Three years of flows < 18,600 cfs
  - Three years of flows > 18,600 cfs
  - Connecting flows of at least seven days duration
Research Requests

- LTSP
- Research results to date – Wildly Successful!
- Spillway
Research Requests

- Support spring research
- Bestgen draft backwater synthesis report
- Future research on smallmouth bass
Flaming Gorge Releases and Green and Yampa River Flows
2016

ROD Days ≥ 8,300 cfs = 40
LTSP Days ≥ 8,300 cfs = 30
FG Release and Green River Flows
April-July 2016

ROD Days ≥ 18,600 cfs = 14
LTSP Days ≥ 18,600 cfs = 9

ROD Peak – 24,560 cfs
LTSP Peak – 20,500 cfs

ROD Days
LTSP Days

Obs PP = 32 Days
Obs Bypss = 31 Days
Obs Total = 491 kaf
ROD PP = 23 Days
ROD Bypass = 22 Days
ROD Total = 376 kaf
Green River Projects

- Green River Evaluation and Analysis Team (GREAT) review of Flow Recommendations
- Future NEPA likely
- Adaptive management and implementation of experimental releases
- Continued stakeholder communication