TWG Membership

• IDWR
  – Matt Anders, Ethan Geisler, David Hoekema, & Sean Vincent

• WD02
  – Kellie Smith & Rob Whitney

• Idaho Power
  – Frank Gariglio, Janak Timilsena, & Carl Rundberg
TWG Membership (cont’d)

• Consultants
  – Sophia Sigsted (IGWA)
  – Greg Sullivan (City of Pocatello)
  – Kevin Boggs (Jacobs)

• USBR
  – Chris Runyan & Peter Cooper

• USGS
  – Dave Evetts
Initial TWG Goals

1. Facilitate determination of “Average Daily Flow” as defined in paragraph 7 of the 1984 Agreement

2. Provide transparency
   - Open, collaborative process w/ stakeholder representation
   - Webpage to compile and disseminate information

3. Advise policymakers re: technical issues

4. Assist with development of management responses/triggers
Swan Falls Agreement Paragraph 7B

37-2471 (Upper Malad), 36-2018 (Clear Lake), 36-2026 (Sand Springs), 02-2057 (Upper Salmon), 02-2001A, 02-2001B, 02-2059, 02-2060 (Lower Salmon), 02-2064, 02-2065 (Bliss), 02-2056 (Twin Falls), 02-2036 (Shoshone Falls), 02-2032, 02-4000, 02-4001, and Decree Number 02-0100 (Swan Falls), but such rights in excess of the amounts stated in 7(A) shall be subordinate to subsequent beneficial upstream uses upon approval of such uses by the State in accordance with State law unless the depletion violates or will violate paragraph 7(A). Company retains its right to contest any appropriation of water in accordance with State law. Company further retains the right to compel State to take reasonable steps to insure the average daily flows established by this Agreement at the Murphy U.S.G.S. gauging station. Average daily flow, as used herein, shall be based upon actual flow conditions; thus, any fluctuations resulting from the operation of Company facilities shall not be considered in the calculation of the minimum daily stream flows set forth herein. This paragraph shall constitute a subordination condition.
<table>
<thead>
<tr>
<th>Reservoir</th>
<th>Capacity (acre-feet)</th>
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<tbody>
<tr>
<td>Shoshone Falls</td>
<td>1,500</td>
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<tr>
<td>Upper Salmon Falls</td>
<td>600</td>
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<tr>
<td>Lower Salmon Falls</td>
<td>10,900</td>
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<tr>
<td>Bliss</td>
<td>11,100</td>
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<tr>
<td>CJ Strike</td>
<td>250,000</td>
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<td>Swan Falls</td>
<td>7,425</td>
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<tr>
<td>Reservoir</td>
<td>Lower Salmon Falls</td>
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<tr>
<td>-----------------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Capacity (acre-ft)</td>
<td>10,900</td>
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<tr>
<td>Surface area (acre)</td>
<td>748</td>
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<tr>
<td>Permissible stage adjustment (ft)</td>
<td>2</td>
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<tr>
<td>Volume (acre-ft)</td>
<td>1,496</td>
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<tr>
<td>Maximum potential reduction to avg. daily flow (cfs)</td>
<td>754</td>
</tr>
</tbody>
</table>
Streamflow Measurement and Monitoring Plan

“The purpose of this report is to outline a measurement and monitoring protocol for use in distribution of water to hydropower water rights (list of water right #s) and minimum stream flow water rights (2nd list of water right #s).

Collectively, these rights provide for an “average daily flow” of 3,900 cfs from April 1 to October 31, and 5,600 cfs from November 1 to March 31 as measured at the Murphy Gaging Station.”
Critical Flow Periods
ESPA Spring Discharge

Legend
- Spring
- River
- ESPA Model Boundary

Swan Falls Dam
Milner Dam
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“only the area in which groundwater and surface water is deemed tributary to the Snake River between Milner Dam and the Murphy Gaging Station is to be considered for purposes of distribution of water to the partial decrees listed in Section 1.1.”
Work to Date

- ~40 TWG meetings since 2012
- Published Streamflow Measurement and Monitoring Plan
- Developed and documented Swan Falls Reach Gain Forecast Tool
- Worked w/ USGS & IPCO to relocate the Snake River near Murphy Gage
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- Computed/tracked the AADF
Snake River Streamflow

Snake River Streamflow

2022 Milner Flow = 0 cfs
Questions?