ESPA Managed Recharge Program

Water Supply Committee

Wesley Hipke
March 9, 2017
## IWRB ESPA Recharge 2016/2017

<table>
<thead>
<tr>
<th>System</th>
<th>Area</th>
<th>Start of Water Right</th>
<th>Water Right in Priority (Days)</th>
<th>Time of Recharge (Days)</th>
<th>Current Recharge Rate (cfs)</th>
<th>Volume Recharged (Acre-feet)*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Snake River</strong></td>
<td>Lower Valley</td>
<td>Oct 26&lt;sup&gt;th&lt;/sup&gt;</td>
<td>134</td>
<td>132</td>
<td>278</td>
<td>55,132</td>
</tr>
<tr>
<td></td>
<td>Upper Valley</td>
<td>Feb 28&lt;sup&gt;th&lt;/sup&gt;</td>
<td>9</td>
<td>8</td>
<td>511</td>
<td>5,200</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Snake River Total</strong></td>
<td><strong>60,295</strong></td>
</tr>
<tr>
<td><strong>Big/Little Wood River</strong></td>
<td>Below Magic Reservoir</td>
<td>Feb 22&lt;sup&gt;nd&lt;/sup&gt;</td>
<td>15</td>
<td>15</td>
<td>200</td>
<td>5,677</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>Big/Little Wood Total</strong></td>
<td><strong>5,677</strong></td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td><strong>TOTAL</strong></td>
<td><strong>66,008</strong></td>
</tr>
</tbody>
</table>

*Preliminary Data*
Total IWRB Managed Recharge Rates During 2016 - 2017 Season

Total Volume of Recharge = 66,008 af (October 25, 2016 to March 8, 2017)

Snake River Recharge Rate Limit = 1,200 cfs

Recharge below Minidoka Dam Oct 25th

Total Water Available for Recharge - Snake And Big Wood Rivers

Flow past Milner 3/8 = 9,670 cfs

Recharge above Minidoka Dam Feb 28th

Preliminary Data
2016-2017 Recharge

MP 31 – Mar 1, 2017

Water Resource Board
ESPA IWRB Managed Recharge – 2016/2017

TFCC = 25 cfs
8,378 af

NSCC = 50 cfs
5,163 af

AFRD2 = 200 cfs
40,683 af

BWCC = 200 cfs
5,677 af

FMID = 200 cfs
5,677 af

GFCC = 250 cfs
2,869 af

CoB = 30 cfs
179 af

SWID = 25 cfs
902 af

Legend
- Canals - Recharge
- Stream
- Snake River Plain Aquifer

The USDA-FSA Aerial Photography Field Office extracted and converted this map.
IWRB Projected Snake River Recharge - During 2016/2017
Oct 26 to May 15

Total Snake River IWRB Recharge
166,000 AF
Natural Flow Recharge Water Rights

Snake River/Henry’s Fork

**Permits:**
- IWRB 1980 1,200 cfs
- Southwest ID 2009 50 cfs
- Peoples Canal 2013 350 cfs
- Snake River Valley ID 2013 585 cfs
- ASCC 2014 1,200 cfs

**Applications**
- IWRB 1998 14,072 cfs
- Idaho ID 2011 300 cfs
- New Sweden ID 2011 300 cfs
- FMID 2012 1,200 cfs
Questions