IWRB ESPA Managed Recharge – Lower Valley

**Recharge Summary**

- **Recharge Right in Priority:** Oct 23rd – present
- **Recharge Rate (as of Jan 12th):** 247 cfs
- **Total Recharged (as of Jan 12th):** 25,871 af *

*Preliminary Data*
Total IWRB Managed Recharge Rates During 2015 - 2016 Season

Total Volume of Recharge = **26,819 af** as of January 14, 2016

Recharge Season begins below Minidoka Dam
**October 23rd**

Available Flow

Dates of Recharge

Preliminary Data
## ESPA Managed Recharge Summary


<table>
<thead>
<tr>
<th>ESPA Area</th>
<th>Canal System</th>
<th>5-Year Retention Time (%)</th>
<th>Mean Recharge Rate (cfs)</th>
<th>Days Recharged</th>
<th>Volume Recharged (Acre-feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lower Valley</strong></td>
<td>American Falls Reservoir District No. 2 (Milner-Gooding Canal)</td>
<td>~36</td>
<td>195</td>
<td>53</td>
<td>20,539</td>
</tr>
<tr>
<td></td>
<td>North Side Canal Company</td>
<td>~37</td>
<td>42</td>
<td>18</td>
<td>1,482</td>
</tr>
<tr>
<td></td>
<td>Southwest Irrigation District</td>
<td>~54</td>
<td>25</td>
<td>9</td>
<td>1,339</td>
</tr>
<tr>
<td></td>
<td>Twin Falls Canal Company</td>
<td>~45</td>
<td>27</td>
<td>81</td>
<td>4,352</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>26,819</td>
</tr>
</tbody>
</table>

*Preliminary Data*
ESPA Managed Recharge Expansion Projects

- **Lower Valley**
  - Infrastructure improvements for winter-time deliveries
  - Maximize existing recharge facilities
  - Development of new recharge facilities

- **Upper Valley**
  - Infrastructure improvements to facilitate highly variable availability of recharge timing and volumes
  - Maximize/Improve existing recharge facilities
  - Development of new recharge facilities
Lower Valley Recharge Areas
2015/2016

IWRB Recharge Right in Priority - Oct. 23rd

Recharge Water Available all Winter
Lower Valley Recharge 2015/2016
AFRD2 Milner-Gooding Canal

- Big Wood – Dry Bed
  Capacity ~ 70 cfs

- Capacity ~ 300 cfs

- Capacity ~ 250 cfs

IWRB Managed Recharge
Started Nov. 23rd 2015

Legend:
- Study
- Capacity Improvement Projects
- Recharge Sites

Canal Road Improvements:
- MP31 to Shoshone
- Milner to MP31 (complete)
- Milner Gooding Canal
AFRD2 Managed Recharge Expansion Projects

- MP 28 Hydro Plant Bypass – Completed Nov 20th

Images:
- Novemb
- January 5th
AFRD2 Managed Recharge Expansion Projects

- **MP 31 Recharge Site**

[Image of a snowy landscape with a river and some construction equipment, labeled December 18th]
AFRD2 Managed Recharge Expansion Projects

- **Concrete Flume**

January 14th
North Side Canal Potential Improvements

Capacity ~ 130 cfs
Ch2M Study 2015

IWRB Managed Recharge
Oct. 23rd to Nov. 10th
Avg. 42 cfs

Resume Recharge
~ Feb. 1st
NSCC Managed Recharge Projects

- North Side Canal / Wilson Lake

November 4th

November 4th
Lower Valley Recharge 2015/2016
Twin Falls Canal

IWRB Managed Recharge
Started Oct. 26th

Capacity 60 to 20 cfs
TFCC Managed Recharge Expansion Projects

• **Twin Falls Canal / Murtuaugh Lake**

November 6th

January 6th
Lower Valley Recharge 2015/2016
Southwest Irrigation District

IWRB Managed Recharge
Nov. 10th to Nov. 18th

Capacity = 25 cfs
Upper Valley Managed Recharge

IWRB Recharge Right NOT in Priority

Highly Variable Availability of Recharge Water

Water Available Every Other Year on Average
Egin Lakes Managed Recharge Project

- **New Recharge Canal**

  - November 24th
  - December 14th
  - January 8th
Great Feeder Improvement Project

- New Recharge Canal

November 23rd

November 23rd
### ESPA Managed Recharge Capacity

#### Lower Valley
- **Winter Time Capacity**
  - 2014/2015: 190 cfs
  - 2015/2016: 270 cfs
  - 2016/2017: 570 cfs

#### Upper Valley
- **Off-Canal Capacity**
  - 2014/2015: 200 cfs
  - 2015/2016: 400 cfs
  - 2016/2017: 500 cfs
Questions

Mile Post 31 recharge basin on April 8th, 2013.