**Project Name:** RESERVE FUNDS FOR 2011 ESPA MANAGED RECHARGE

**Project Sponsor(s):**
Idaho Water Resource Board

**Project Description:**
Continuation of Board recharge program through 2011

**Cost Estimates and Funding:**
$500,000 - estimated $200,000 carry over from 2010 program.
Additional $300,000 appropriated by Board

**Benefits:**
Results of previous managed recharge programs clearly indicates increases in ground water levels, aquifer storage, springs discharges and natural river flows (see tables/charts below).

**Impacts:**
Reduction in river flows during recharge.
Environmental – incremental increase in fish entrainment

**Consistent with ESPA CAMP:**
Yes

**Water Rights:**
Recharge will use the Board’s Snake River recharge right.

**Long-term O&M:**
None

**Potential Issues:**
Recharge may not occur in canal systems if wheeling costs cannot be supplied to offset canal company M&O.

**Recommendation:**
The Implementation Committee recommends the Board continue funding spring and fall recharge activities until permanent CAMP funding can be arranged because of the difficulties of collecting volunteer contributions from hundreds of water users scattered across the ESPA.
2009 ESPA Managed Recharge Results

<table>
<thead>
<tr>
<th>Canal</th>
<th>cumulative volume a-f</th>
<th>wheeling fee $</th>
<th>% of total volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aberdeen-Springfield</td>
<td>18,563</td>
<td>40,438</td>
<td>14.9</td>
</tr>
<tr>
<td>Fremont-Madison</td>
<td>37,317</td>
<td>30,878</td>
<td>29.6</td>
</tr>
<tr>
<td>Great Feeder</td>
<td>20,944</td>
<td>62,966</td>
<td>16.9</td>
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<tr>
<td>Idaho I.D.</td>
<td>1,004</td>
<td>3,012</td>
<td>0.8</td>
</tr>
<tr>
<td>Milner-Gooding</td>
<td>38,698</td>
<td>116,094</td>
<td>31.0</td>
</tr>
<tr>
<td>North Side</td>
<td>6,519</td>
<td>19,557</td>
<td>5.6</td>
</tr>
<tr>
<td>Southwest</td>
<td>1,491</td>
<td>4,473</td>
<td>1.2</td>
</tr>
<tr>
<td>TOTAL</td>
<td>124,536</td>
<td>277,418</td>
<td></td>
</tr>
</tbody>
</table>

above American Falls 77,828 a-f, 62%
below American Falls, 46,708 a-f, 38%
cost per acre-foot, $2.23

2009 ESPA Cumulative Recharge Volume (a-f)
Early season, March 20 - December 4
2010 ESPA Managed Recharge Results (Early Season)

### 2010 ESPA Recharge
Summary February 24 through April 15th

<table>
<thead>
<tr>
<th>Canal</th>
<th>cumulative volume a-f</th>
<th>convey fee $</th>
<th>notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aberdeen-Springfield</td>
<td>2,662</td>
<td>7,986</td>
<td>start 4/12, end 4-15</td>
</tr>
<tr>
<td>AFRD2 (Milner-Gooding)</td>
<td>1,704</td>
<td>5,111</td>
<td>start 4/12, end 4-15</td>
</tr>
<tr>
<td>Fremont-Madison</td>
<td>49,032</td>
<td>147,096</td>
<td>start 2/24, end 4-15</td>
</tr>
<tr>
<td>Southwest</td>
<td>1,293</td>
<td>3,878</td>
<td>start 3-15, end 4-13</td>
</tr>
<tr>
<td>Snake River Valley</td>
<td>1,125</td>
<td>3,374</td>
<td>start 4/1/10, end 4-15</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>55,815</strong></td>
<td><strong>167,445</strong></td>
<td></td>
</tr>
</tbody>
</table>

above American Falls 52,819 a-f, 95%
below American Falls, 2,997 a-f, 5%
cost per acre-foot, $3.00
2010 Cumulative Recharge Volume
Early Season, February 24 - April 15

Total Recharge: 55,815 acre-feet

Total above American Falls: 40,000 acre-feet
Total below American Falls: 15,815 acre-feet
Total acre-feet: 60,000 acre-feet

2010 - ESPA Recharge Diversions
Early Season February 24 - April 15

Date: 24-Feb 3-Mar 10-Mar 17-Mar 24-Mar 31-Mar 7-Apr 14-Apr

Cubic feet per second:
- SWID
- SRVID
- FMID
- AFRD2
- ASCC