ESPA
Comprehensive Aquifer Management Plan
Advisory Committee

IDWR Update
for the
Committee

Dave Tuthill
Director
Idaho Department of Water Resources

October 25, 2007
Topics

- Present Status
- Surface Storage Opportunities
- Aquifer Study
- 2008 Warning Letter
- Hydropower License Update
The Future Is Drying Up

Draining: The 100-foot-high bathtub ring left by the dwindling waters of Lake Mead, behind Hoover Dam.
Water Planning in Idaho

- 20th Century
  - Irrigation
  - Storage
  - Hydropower
  - Flood Control

- 21st Century Needs:
  - 20th Century Needs
  - Endangered Species Requirements
  - Increased Urbanization
  - Ground water mitigation
  - Climate change
On very rare occasions…
…the planets are aligned

- Engagement of all branches of Govt
  - Legislative
  - Judicial
  - Executive
  - Idaho Water Resource Board
  - Local Government
- Engagement of water users
  - Growers
  - Environmentalists
- Engagement of the public
- Drought
- Growing recognition of climate change
Strategic Planning

IWRB Strategic Planning

IDWR Strategic Planning

21st Century Strategy for Water in Idaho

Land Use Planning?
Surface Water Storage Opportunities
## Upper Missouri Storage

(1000’s of acre-feet)

<table>
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<tr>
<th>Dam</th>
<th>Permanent</th>
<th>Carryover Multiple Use</th>
<th>Annual Flood Control and Multiple Use</th>
<th>Exclusive Flood Control</th>
<th>Total Storage</th>
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Annual Flows of the Missouri River at Sioux Falls

25 Kcfs = 18 MAF

73/18 ~ 4
Boise River at Parma and Natural Flow from Luck Peak

Boise River at Parma
Natural Flow at Boise River at Lucky Peak
Linear (Natural Flow at Boise River at Lucky Peak)
Linear (Boise River at Parma)

1.3 Kcfs = .9 MAF
1/.9 ~ 1.1
Selected Potential Surface Storage Sites

1. Teton Dam
2. Minidoka Dam
3. Twin Springs Dam
4. Galloway Dam
### Aquifer Study Priorities

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<tr>
<th>Priority</th>
<th>Basin Name</th>
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<td>2</td>
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<td>Spokane Valley-Rathdrum Prairie</td>
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<td>4</td>
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<td>6</td>
<td>Mountain Home</td>
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<td>7</td>
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<td>10</td>
<td>Portneuf</td>
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Eastern Snake River Plain
## Summary of Projected Costs

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Units are Millions of Dollars
Major Issues

Information About Warning Letters For 2008 Potential Curtailment

North Idaho Adjudication Information

Swan Falls Agreement Information Page

North Ada County Hydrogeologic Investigation

Water Call Curtailment Order Information Pages

Thousand Springs Area Water Call Related Documents

Surface Water Coalition Water Call Related Documents

A & B Irrigation Water Call Related Documents
2008 Potential Curtailment Information Page

Map of 2008 Potential Curtailment Areas

(cycle image to enlarge in PDF format)

Related Information:

Map of Eastern Snake River Plain Water Delivery Organizations

(cycle image to enlarge in PDF format)

Priority Calls For Delivery Of Water & Information On Water Rights

Legal Documents Related To The Thousand Springs Area Call Including The Most Recent 2007 Filings

Legal Documents Related To The Surface Water Coalition Call Including The Most Recent 2007 Filings

View 2008 Potential Curtailment Related Documents:

View list of Potential Curtailment Warning Letter Recipients-Blue Lakes and Snake River Farms Delivery Calls - October 22, 2007

View list of Potential Curtailment Warning Letter Recipients-Surface Water Coalition Delivery Call - October 22, 2007

View Letter Re: Notice of Potential Curtailment of Ground Water Rights in the Eastern Related Information:

Map of Eastern Snake River Plain Water Delivery Organizations

(cycle image to enlarge in PDF format)
Hydropower Water Right
01-7011

- Twin Falls Canal Company and North Side Canal Company are permit holders
  - Application filed March 30, 1977
  - Subordination condition not added to the original permit, which was issued on June 29, 1977
  - Extension approval in 1987 contained the following language:
Subordination Language

- The rights for use of water acquired under this permit shall be junior and subordinate to all other rights for the consumptive beneficial use of water, other than hydropower and groundwater recharge within the Snake River Basin of the state of Idaho that are initiated later-in-time than the priority of this permit and shall not give rise to any right or claim against any future rights for the consumptive beneficial use of water, other than hydropower or groundwater recharge within the Snake River Basin of the state of Idaho initiated later in time than the priority of this permit.
Subsequent Processing

- October 29, 1993 – Permit holders filed Proof of Beneficial Use
- November 1, 1993 – Permit holders filed a Beneficial Use Field Report showing use of 5714.7 cfs, thus completing permit holder submittal requirements
- September 5, 2007 – IDWR issues “Notice of Intent to Issue License”
- September 28, 2007 – “Petition for Preemptory Writ of Mandate” filed by permit holders
- October 10, 2007 – “Order Denying Petition for Alternative Writ of Mandate” issued by 5th Judicial Court
- October 10, 2007 – end of response period for Notice
- October 19, 2007 – Acceptance of Service by IDWR
Importance to CAMP

- Availability of water for recharge upstream from Milner Dam is greatly impacted by this condition
- Example: During the winter of 2006-2007, hundreds of thousands of acre feet flowed past Milner – none of this water was available for recharge under the existing condition
- Resolution of this issue will add certainty to the availability of flows for recharge