Utah Fish Consumption Advisory
Program Update

Water Quality and Health Advisory Panel
January 12, 2017
2015 Results
2015 fish tissue sampling locations

- 363 fish collected by Division of Wildlife Resources regional staff
- 18 locations
- 15 different species

**Northeastern Region**
- Big Sand Wash Reservoir
- Browne Reservoir
- Browns Draw Reservoir
- Cottonwood Reservoir
- Long Park Reservoir
- Matt Warner Reservoir
- Spirit Lake
- Steinaker Reservoir

**Northern Region**
- Hyrum Reservoir
- Pineview Reservoir
- Porcupine Reservoir

**Central Region**
- Utah Lake

**Southern Region**
- Baker Dam Reservoir
- Minersville Reservoir
- Upper Enterprise Reservoir

**Southeastern Region**
- Huntington North Reservoir
- Millsite Reservoir
- Scofield Reservoir
Criteria for site selection

- When a current consumption advisory is greater than 5 years old
- When there is no advisory but the existing data are greater than 5 years old
- To address uncertainties from previous years data
- Waterbodies that have no mercury data
## New Consumption Advisories

### Big Sand Wash Reservoir (Duchesne County)

<table>
<thead>
<tr>
<th>Species</th>
<th>Average Fish Mercury Concentration (ug/g)</th>
<th>Pregnant Women and Children &lt;6, 4 oz meals/month</th>
<th>Women of Childbearing Age and Children 6-16, 8 oz meals/month</th>
<th>Adult Women Past Childbearing Age and Men &gt;16, 8 oz meals/month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smallmouth Bass</td>
<td>0.82</td>
<td>0</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Walleye</td>
<td>0.61</td>
<td>0</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Yellow Perch</td>
<td>0.58</td>
<td>0</td>
<td>1</td>
<td>5</td>
</tr>
</tbody>
</table>
New Consumption Advisories
Millsite Reservoir (Emery County)

<table>
<thead>
<tr>
<th>Species</th>
<th>Average Fish Mercury Concentration (ug/g)</th>
<th>Pregnant Women and Children &lt;6, 4 oz meals/month</th>
<th>Women of Childbearing Age and Children 6-16, 8 oz meals/month</th>
<th>Adult Women Past Childbearing Age and Men &gt;16, 8 oz meals/month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Splake Trout</td>
<td>0.42</td>
<td>1</td>
<td>2</td>
<td>7</td>
</tr>
</tbody>
</table>
## New Consumption Advisories

### Pineview Reservoir (Weber County)

<table>
<thead>
<tr>
<th>Species</th>
<th>Average Fish Mercury Concentration (ug/g)</th>
<th>Pregnant Women and Children &lt;6, 4 oz meals/month</th>
<th>Women of Childbearing Age and Children 6-16, 8 oz meals/month</th>
<th>Adult Women Past Child-bearing Age and Men &gt;16, 8 oz meals/month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smallmouth Bass</td>
<td>0.40</td>
<td>1</td>
<td>2</td>
<td>8</td>
</tr>
</tbody>
</table>
Process for rescinding consumption advisories and delisting waterbodies
Process for Rescinding Consumption Advisories

- EPA November 2000 Guidance for Assessing Chemical Contaminant Data for Use in Fish Advisories
  Volume 1, Section 6.1.2.7.3, Comparison of Target Analyte Concentrations with Screening Values for Rescinding Fish Advisories

- 2010 EPA survey of state programs
  Once an advisory is issued for a specific waterbody, what must occur for the state to rescind the advisory?

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Number of states</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residue levels of the chemical must decline below the state</td>
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</tr>
<tr>
<td>criterion for at least 1 year</td>
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<tr>
<td>Residue levels of the chemical must decline below the state</td>
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<tr>
<td>criterion for at least 2 years</td>
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<tr>
<td>Residue levels of the pollutant must decline below the state</td>
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<tr>
<td>criterion for at least 3 years</td>
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</tr>
<tr>
<td>Site-specific decision; no set time period established</td>
<td>18</td>
</tr>
<tr>
<td>Other schedule or procedure</td>
<td>14</td>
</tr>
<tr>
<td>Not applicable</td>
<td>3</td>
</tr>
</tbody>
</table>
Process for Rescinding Consumption Advisories

- DWQ, DWR and DOH advisory program staff met to discuss this

Recommending a minimum of two consecutive periods of follow up monitoring with mercury levels below the EPA recommended safe consumption criterion

The monitoring location would then be prioritized for additional monitoring at least once every 5 years to watch variability over time.
Process for Rescinding Consumption Advisories

For discussion:

- Knowing there can be considerable variability in mercury concentrations at the same location over time should we ever rescind an advisory?
- If so, do you feel two consecutive periods of monitoring is sufficient?
Utah Lake PCBs
Utah Lake PCBs

• Consumption advisory for carp and channel catfish issued in 2006 and 2007

• As a result Utah Lake is 303(d) listed for PCBs

• Samples from multiple species have been submitted to EPA for analysis

Will delisting method be the same for beneficial use assessment as it is for consumption advisories, or should we be consistent with river/stream assessments and consider the last 6 years of data
Questions?

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