



Development of Water Quality Standards for Willard Spur

Science Panel Selections

Willard Spur Steering
Committee

February 17, 2011



Science Panel Purpose

- The purpose of the Willard Spur Science Panel is to **advise the DWQ and Steering Committee** regarding regulatory and technical considerations related to the development of water quality standards for Willard Spur and **guide the research program.**





Science Panel Composition

- **Jeff Ostermiller/DWQ – chair**
- **5 - 7 members to start with**
 - Can be expanded later if needed
- **Wanted one member to represent EPA and their national efforts on nutrients/wetlands/estuaries**
- **Identified 5 additional disciplines**





Science Panel Composition

1. Jeff Ostermiller/DWQ – chair
2. EPA ORD scientist – wetlands ecologist
3. Wetlands ecologist – biogeochemistry
4. Wetlands ecologist – biota
5. Wildlife biologist
6. Aquatic ecologist - bioassessment methods
7. Hydrology/WQ modeling





Nomination Process

- **Steering Committee was asked to submit nominations – THANK YOU!**
- **Received 16 nominations**
- **Candidates' willingness was verified**
 - 5 withdrew candidacy
 - *Too busy/retirement*
 - *Agencies declined*



Wetlands Ecologists

- Bonnie Baxter, PhD - Westminster
- ~~Edward Dettman, PhD – EPA ORD~~
- ~~Robert Kadlec, PhD - WMS[★]~~
- Karin Kettinring, PhD – USU
- Theron Miller, PhD – JRFBWQC
- Benjamin Parkhurst, PhD – HAF, Inc.
- ~~Joan Daniels - USGS~~



Wildlife Biologist

- John Cavitt, PhD – Weber State
- Chris Cline – USFWS
- ~~• Nathan Darnall – USFWS~~
- John Luft – UDNR, DWR
- ~~• Don Paul, PhD – Avian West, Inc.★~~





Bioassessment Methods

- **Chuck Hawkins, PhD – USU**
- **Ryan King, PhD – Baylor University**





Hydrology/WQ Modeling

- David Tarboton, PhD – USU

Great Salt Lake Ecosystem

- Wally Gwynn, PhD – UGS, retired





Considerations

1. Conflicts of Interest/Transparency
2. Number of members
3. Disciplines represented
 - *Jeff Ostermiller/DWQ – chair*
 - *EPA ORD scientist*
 - *Wetlands ecologist – biogeochemistry*
 - *Wetlands ecologist – biota*
 - *Wildlife biologist*
 - *Aquatic ecologist - bioassessment methods*
 - *Hydrology/WQ modeling*





Considerations

- 1. Conflicts of Interest/Transparency**
- 2. Number of members**
- 3. Disciplines represented**
- 4. Compensation**
 - We agreed to pay travel stipend
 - 25% of nominees requested compensation for time
 - What about the others?
 - Are others just as qualified?





Considerations

- 1. Conflicts of Interest/Transparency**
- 2. Number of members**
- 3. Disciplines represented**
- 4. Compensation**
 - 25% of nominees requested compensation
- 5. Scholarship**
 - Research and publication rights critical for some academic nominees
 - Should we exclude PIs from the Panel?





Wetlands Ecologists

- **Bonnie Baxter, PhD – Westminster**
- **Karin Kettinring, PhD – USU**
- **Theron Miller, PhD – JRFBWQC**
- **Benjamin Parkhurst, PhD – HAF, Inc.**

- **New EPA ORD Candidate**





Wildlife Biologist

- **John Cavitt, PhD – Weber State**
- **Chris Cline – USFWS**
- **John Luft – UDNR, DWR**





Bioassessment Methods

- **Chuck Hawkins, PhD – USU**
- **Ryan King, PhD – Baylor University**





Hydrology/WQ Modeling

- David Tarboton, PhD – USU

Great Salt Lake Ecosystem

- Wally Gwynn, PhD – UGS, retired





Selections needed

- **Wetlands ecologists (2)**
- **Wildlife biologist**
- **Bioassessment methods**
- **Hydrology/WQ modeling**

