

WILLARD SPUR SCIENCE PANEL MEETINGS (JANUARY 29-30, 2014)

SCIENCE PANEL MEETING

Date: Wednesday, January 29, 2014
Meeting time: 8:30am – 5:00pm MST
Location: Red Rocks Room (#3132), 3rd Floor, UDEQ Building
 195 North 1950 West, Salt Lake City, Utah

MEETING AGENDA

- | | |
|---|---------|
| 1. Welcome and review of program objectives and goals for meeting (Jeff DenBleyker) | 8:30am |
| 2. Review of overall changes observed in Willard Spur (Jeff Ostermiller) | 9:00am |
| 3. Overview of nutrient loading into and out of Willard Spur (Jeff DenBleyker) | 9:30am |
| 4. Break | 10:00am |
| 5. Review of results from 2012-2013 Nutrient Cycling Study (UofU team) | 10:15am |

Note: detailed comments on draft report can be provided in writing. Discussion will focus upon overall findings and implications.

Central questions defined in the Data Quality Objections:

- What are the natural, temporal changes that occur in Willard Spur submergent wetlands?
- What factors drive the changes?
- How do natural variability in biological processes and productivity relate to nutrient cycling in Willard Spur?
- What constitutes a negative/unacceptable response to nutrients by the SAV, macroinvertebrate community, phytoplankton, macroalgae?
- What triggers could be used to monitor for a negative/unacceptable response to nutrients?

- | | |
|--------------------------------------|---------|
| 6. Lunch | 12:00pm |
| 7. Review of 2013 uptake experiments | 1:00pm |

Various experiments completed by UDWQ and UofU team

Central questions defined in the study's Data Quality Objectives:

- What is the uptake rate, per unit time and area/volume, for nutrients within the spur?
- To what extent do macrophytes and their associated epiphytes influence uptake rates?
- Do uptake rates differ during the "clear" (June timeframe) versus "green water" (August timeframe) phases?
- What is the relative biomass and nutrient content of primary producers under conditions with and without SAV?
- What is the influence of macrophytes on rates of GPP and ER? How might rates change throughout the year?

- | | |
|--|--------|
| 8. Break | 2:30pm |
| 9. Review of nutrient cycling studies & discussion | 2:45pm |

- How is Willard Spur currently responding to nutrients? What factors drive this response?
- How might Willard Spur respond to additional nutrients?
- What conditions increase the risk of additional nutrients?

- | | |
|-------------|--------|
| 10. Adjourn | 5:00pm |
|-------------|--------|

SCIENCE PANEL MEETING

Date: Thursday, January 30, 2014
Meeting time: 8:30am – 1:30pm MST
Location: Red Rocks Room (#3132), 3rd Floor, UDEQ Building
195 North 1950 West, Salt Lake City, Utah

MEETING AGENDA

1. Welcome and review of agenda 8:30am
2. Review of Day 1's conclusions (Jeff DenBleyker) 8:45am
 - a. Do we have consensus of what these studies are telling us?
3. Discussion of potential impacts from the Plant's effluent (Jeff DenBleyker) 9:15am
4. Break 10:15am
5. Identify potential recommendations for protecting Willard Spur 10:30am
 - a. How do these recommendations integrate into the final analyses?
6. Lunch (provided, please RSVP) 12:00pm
7. Discuss final technical report and evaluation of final recommendations 12:30pm
 - a. Does the proposed report outline meet program objectives?
 - b. What analyses should be completed to enable an evaluation of recommendations?
8. Path Forward 1:15pm
9. Adjourn 1:30pm