

Dutch Slough AMWG Meeting May 10, 2005

AGENDA

- 9:00 – 9:10 Introductions, Status Report
- 9:10-9:40 Presentation of Preliminary Conceptual Design Memo and Marsh Creek Options, Summarize Key Questions, Input from Science Board.
- 9:40-10:00 Discussion on Preliminary Conceptual Design and Outstanding Questions
- 10:00–10:40 Break Out Groups
- Water Quality/geomorphology: Discuss Water Quality Implications of Diverting Marsh Creek.
 - Michael Parenti, David Sedlack, Joan Florsheim, Roger Fuji, Bob Spies.
 - Fish/ecology: Refine fish hypothesis from last meeting. Define character and purpose of paired samples (replicates), and evaluate whether the purpose of the paired cells can be achieved without isolated marsh cells. Refine purpose of small scale cells and evaluate whether it can be achieved without isolated small marshes by studying smaller areas of larger marsh. Refine hypothesis.
 - Bruce Herbold, Si, Peter Moyle, and Si Simenstadt.
 - Hydrology/SAV/Ecology group: Discuss options for treating subsided areas including pros, cons and limitations of pre-cultivation of tules.
 - Lars Anderson, John Takekawa, Mark Stacey, and Roger Fujii, Peter Baye
- 10:40- 11:00 Presentations from Break Out Groups
- 11:00 – 11:30 Discussion and recommendations on Marsh Creek, paired samples, and treatment of subsided Areas. Refined fish hypothesis
- 11:30 – 12:10 Break Out Groups
- Water Quality/Hydrology: Discuss pros and cons of subsided area treatment options, water quality, primary productivity implications deep open water.
 - Michael Parenti, David Sedlack, Lars Anderson, Mark Stacey, Bob Spies.

- Fish/Geomorphology (1): Identify suitable marsh plain design elevations with knowledge of cost implications, define inundation parameters that distinguish high and low marsh for purpose of fish studies. Identify how big of a high marsh area is needed for fish study purposes.
 - Bruce Herbold, Si, Peter Moyle, and Si Simenstadt.
- Ecology/Geomorphology: Identify suitable marsh plain design elevations for non-fish purposes with knowledge of cost implications, pros and cons of diversity vs. homogenous marsh plains. Develop habitat levee design concepts and gradients. Review pros and cons of pre-cultivation gradients.
 - Peter Baye, John Takekawa, Joan Florsheim

12:10 – 12:45 Lunch

12:45 – 1:30 Presentations of Break Out Groups and Discussion: Recommendations on design elevations, subsided areas, topographic diversity, and connectivity.

1:30 – 2:15 Interdisciplinary Design Charette Break- Out Groups: With new knowledge and appreciation of cost implications and eye toward phased implementation and on-site adaptive intervention. What actions are reversible? What would or could we change once we put it in the ground.

- Water Quality/Hydrology/Fish: Emphasis on treatment of subsided area as deep open water.
- Fish/Geomorphology: Emphasis on elevation, scale, and connectivity of marsh plains – opportunities for future intervention.
- Ecology/Geomorphology: Emphasis on scale, topology, and habitat diversity.

2:15 – 2:25 Break

2:25 – 2:45 Presentation of Break-Out Groups:

2:45 – 3:30 Group Discussion: Design Refinement and On-site Adaptive Management Interventions. Review Outstanding Questions and Recommendations

3:30 Adjourn