

JORDAN RIVER WATERSHED COUNCIL

Core Group

February 20, 2007 Meeting

Attendance: Laura McIndoe; Town of Alta
Cindy Burton; USDA, NRCS
Brian Shewell; Draper City
Nicholas von Stackelberg; Stantec Consulting
Eric Duffin; Cirrus Ecological
John Whitehead; Utah Division of Water Quality
Jim Harris; Utah Division of Water Quality
Terry Holzworth; Blue Ribbon Committee
Merritt Frey; Utah Rivers Council
Adam Ginsberg; Cottonwood Heights
Margaret Brady; Community Council Advisory Group
Julie Howe; Stantec Consulting
Reed N. Fisher; Central Valley Water Reclamation Facility
Karen Nichols; Salt Lake County Engineering Division
Tim Heyrend; City of West Jordan
Georgia Sullivan; Sullivan's Solution
Jeff Salt; Great Salt Lake Keeper
Natalie Rees; Salt Lake County Engineering Division

Discussion of Water Quality Stewardship Plan (WaQSP)

1. Review of Watershed Planning Process – Jason Doll; Stantec Consulting – Jason gave a presentation to remind the group of our “big picture” objective in the Water Quality Stewardship Plan (WaQSP) (See attached PDF). Major themes of the presentation included:
 - a. Adaptive management
 - b. Possible implementation projects
 - c. The interplay between the four watershed functions (water quality, habitat, hydrology/conveyance, and social)
2. Wastewater Element – Jim Olson of Brown & Caldwell gave a presentation on the work that has been done for the wastewater element of the Water Quality Stewardship Plan (WaQSP) (See attached PDF). Comments during this discussion included:
 - a. The graphic should be for “Permits” not “Amendments”.
 - b. An amendment would only be required if the permit was not consistent with the WaQSP requirements.
3. Review/Suggestions on Watershed Characterization Data – The group reviewed numerous maps. Some comments that were received include:

- a. Alta is trying to get WFRC to include them in their population and land use projection study area.
 - b. Snowbird's Master Plan may be used to examine population growth and land use change in Little Cottonwood Canyon.
 - c. WFRC has a regional trails master plan. It may be appropriate to get their data and show Class 1 trails.
 - d. The County Parks Advisory Board should also be asked in regard to the availability of trails GIS data.
4. Submitting Comments on the WaQSP - It was mentioned that deliverables such as maps, documents, and graphics that are developed as part of the Water Quality Stewardship Plan (WaQSP) will be posted on the Water Resources Planning and Restoration Program website (www.waterresources.slco.org). Additionally, notices will be sent through the Jordan River Watershed Council list serve to notify the Council of new postings.

Update of the Jordan River TMDL

- 1. Eric Duffin of Cirrus Ecological gave an update of the Jordan River TMDL study (See attached PDF).
- 2. Cirrus is currently working on the Pollutant Source Characterization element of the Jordan River TMDL. They anticipate that this element will be complete in March and that load allocations will be complete by May. Additionally, Cirrus anticipates an administrative draft by October of 2007 and final submittal of the TMDL to the EPA in April of 2008.
- 3. Jim Harris of the Utah Division of Water Quality (DWQ) will be conducting another synoptic study of the Jordan River two (2) weeks from now.
- 4. The lower reaches of the Jordan River are less influenced by seasonal flow fluctuations.

Update of Emigration Creek TMDL

- 1. The Salt Lake County Engineering Division has been contracted by the State Division of Water Quality (DWQ) to conduct a Total Maximum Daily Load Study (TMDL) of Emigration Creek.
- 2. The County is in the initial water quality assessment phase of the TMDL process. In this phase, five (5) major water quality datasets have been examined. These datasets include:
 - a. Salt Lake City Public Utilities Rotary Park data - 1993 through present
 - b. Glenne and West - 1981

- c. Salt Lake County - 2001
 - d. Garrick Wilden - 2005
 - e. USGS - 2005
3. After reviewing these major datasets, several gaps have been identified (See attached PDF). These data gaps include:
 - a. Insufficient seasonal E. Coli data
 - b. Insufficient diurnal E. Coli data
 - c. Insufficient flow data/characterization
 4. In order to fill these datasets, the Division of Water Quality is working in conjunction with Salt Lake County to:
 - a. Install four (4) stage discharge meters along Emigration Creek to augment existing flow data (See attached map).
 - b. Take seasonal water quality grab samples at the four (4) metered flow locations as well as Rotary Park and Burr Fork.
 - c. Salt Lake County is working with the University of Utah to develop a local bacteria DNA library that can be used for Microbial Source Tracking (MST). In MST, bacterial pollutant sources can be identified through DNA fingerprinting.
 5. If there are any questions or concerns in regard to the Emigration Creek TMDL, please contact either Natalie Rees (468-3656 or nrees@slco.org) or Steve Jensen (468-3630 or sjensen@slco.org).

Round Robin of Activities

1. Friends of Alta are working on a study of Albion Basin that will measure sub-surface water at three (3) locations.
 - a. September through December data showed no connection between sub-surface waters and wetland occurrences.
 - b. They will also be doing some chemical analysis.
 - c. If there are any suggestions, please contact Laura McIndoe at (801) 363-5105.

Next Meeting

The next meeting for the Core Group of the Jordan River Watershed Council will be held May 17, 2007. Further information will be distributed closer to that date; however, if there are specific issues that anyone would like to see discussed, notify Natalie Rees at 468-3656.