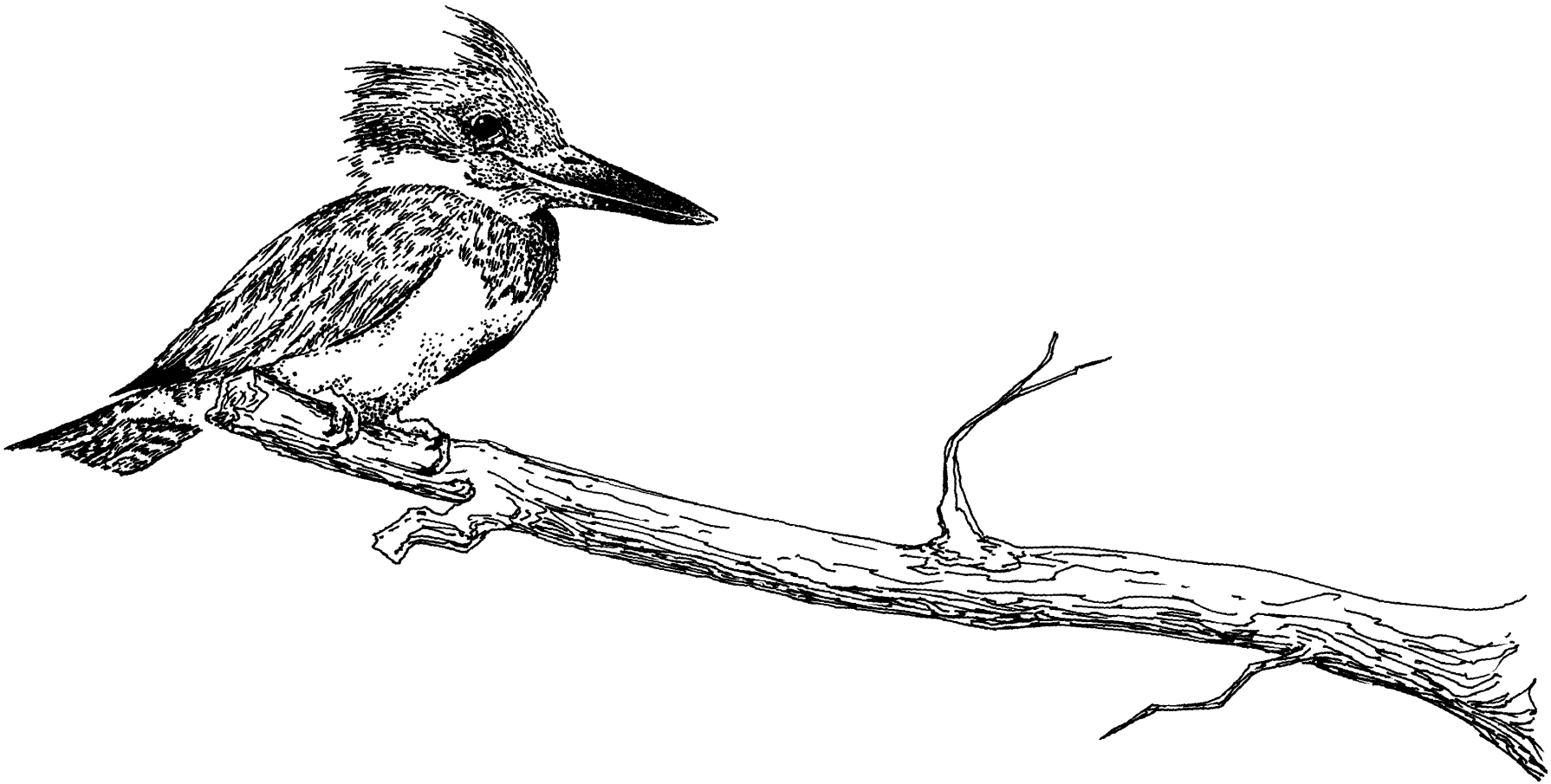
JORDAN RIVER WATERSHED COUNCIL

Environmental Advisory Committee

March 14, 2006 Meeting



Salt Lake County Public Works Department Engineering Division

Water Resources Planning and Restoration Program

DISCUSSION OUTLINE

- Introductions
- Alta Fen Pilot Project and Little Cottonwood Creek TMDL update
- Water Quality Stewardship Plan (WaQSP)
- West Bench Planning
- Jordan River Master Vision Plan
- Round Robin of activities
- Closing Thoughts??

Big Cottonwood Creek

UPDATE OF LITTLE COTTONWOOD TMDL

- Salt Lake County received a grant from the EPA to construct a 30,000 cubic foot pilot project in Alta, Utah (Fen Project)
  - Construction began in 1996
  - Fen was completed in approximately one year

- Fen uses adsorption and bio-accumulation processes to neutralize pH levels and reduce metals loads

- Fen has been operating for the last ten (10) years

- USGS is created an OTEQ model of the fen to determine if it has the capacity to treat the entire Columbus-Rexall Mine Drainage

Completed Fen Project, 1996

UPDATE OF LITTLE COTTONWOOD TMDL

- USGS recently found that Little Cottonwood Creek cannot meet Zinc standards without the Fen
- Deepening of the Fen will allow for increased adsorption capacity
- NEXT STEPS: Salt Lake County Water Resources Planning and Restoration Program will be applying for 319 funds this next cycle to expand the Fen

Columbus-Rexall Drainage

WATER QUALITY STEWARDSHIP MANAGEMENT PLAN (WaQSP)

- Proposed amendment to the Area-Wide Water Quality Management Plan over this past year has highlighted the need for an update
- Salt Lake County Council allocated $240,000 to update the 1978 Plan
- The update will use both the elements found in the original 208 Plan and elements from EPA's recently published Handbook for Developing Watershed Plans
- Anticipated to take three (3) years
- This first year will be primarily focused on data collection and compilation

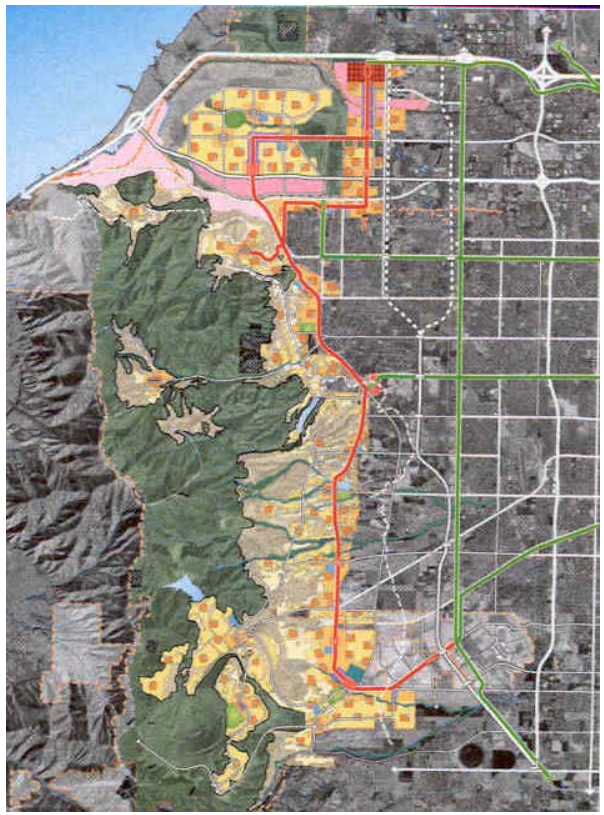
Sharpshin Hawk

WATER QUALITY STEWARDSHIP MANAGEMENT PLAN (WaQSP)

- Watershed Description
  - History, climate, soils, geology, ecosystems, groundwater systems
- Profile by Sub-Basin
- Water Quality
  - Current
  - Projected loads/water quality
- Water degradation
  - Point sources
  - Nonpoint sources
    - Stormwater
    - Agricultural
    - Canyon Recreation
    - Mining
    - Solid Waste Management
    - Hydrologic Modification
- Water Quality Management
  - 303(d) list and TMDLs
  - Point Source Management
  - Nonpoint Source Management
- Air Quality
  - Transportation
  - Point Sources
  - Monitoring and Management
- Ecosystem management
  - Bank stability
  - Terrestrial Assessments
  - Aquatic Assessments
  - Ecosystem Health Index
- Population and Land Use
  - Current and projected
- Funding
- Implementation
  - Authorities and Jurisdictions
- Stakeholder participation
- Progress since the original Area-Wide Water Quality Management Plan

WEST BENCH PLANNING

- COG held meetings this past fall and winter (2005) to develop a West Bench Master Plan
  - 750,000 acre plan
  - 160,000 new households
  - 59 million square feet of commercial and employment space
  - 34,000 acres of open space
- Elements that have been included
  - Auto and non-auto linkages
  - Mixed Use Centers
- Through the spring and summer of 2006, Kennecott Land and the Salt Lake County Planning Department will "develop the West Bench General Plan document which will provide the goals, policies and objectives for implementation of the West Bench Master Plan"
  - Process will include public hearing procedures
    - Magna and Copperton Town Councils
    - Magna, Copperton, and Salt Lake County Planning Commission



Revised Plan, Dec 2005

WEST BENCH PLANNING

- West Bench Planning Guiding Principles
  - Respect the Landscape
  - Preserve and Enhance Open Space
  - Provide Transportation Options
  - Demonstrate Environmental Responsibility
  - Implement Watershed Management and Water Conservation
  - Create Economic Opportunities
  - Design for Social Equity and Diversity
  - Focus on Sustainability
  - Utilize and optimize Existing Infrastructure
  - Build a Sense of Community and Place
  - Design for Public Safety and Health
  - Provide for Schools and Educational Opportunities

Valley Overview

JORDAN RIVER CORRIDOR MASTER PLAN

- Mayor Corroon has directed the Water Resources Planning and Restoration Program to:
  - Examine existing Jordan River plans
  - Identify Gaps
  - Compile Recommendations
- Envision Utah has also developed a scoping document to develop a recreation master plan for the Jordan River
- January 19, 2006, we met with Envision Utah to discuss collaboration
- Elements to be examined include:
  - Land Acquisition
  - Physical, Chemical and Biological
    - Fishery
    - Food chain
    - Wildlife
    - Constructed wetlands for mitigation of stormwater shock loads
    - Grade controls
  - Current and Future Projects

Dry Creek, 2002

ROUND ROBIN

- Are there projects that other stakeholders should be aware of?