

References

1. Browns Canyon Water Supply Evaluation, Mountain Regional Water Special Service District and Weber Basin Water Conservancy District, MWH, November 2000.

The objective of the Browns Canyon Water Supply Evaluation is to develop a cost estimate to deliver water from the Weber River drainage to eastern and western Summit County. The remainder of this technical memorandum presents a brief history on the Browns Canyon Water Supply Project, a cursory review of the future water supply needs as they relate to the Browns Canyon Water Supply Project, an overview of proposed facilities, and the economic analysis completed for the proposed facilities.

2. Draft Long Range Strategic Water Plan, Mountain Regional Water Special Service District, May 14, 2000.

This Long Range Strategic Water Plan is presented as a comprehensive water planning and implementation tool for Mountain Regional Water Special Service District of Summit County. This plan outlines the goals, objectives, policies, strategies, and values necessary to accomplish responsive and dynamic long-range water planning for Summit County.

3. East Canyon Pipeline Project – Storm Water Pollution Prevention Plan, Summit Water Distribution Company, February 2000 with update in March 2000.

The Storm Water Pollution Prevention Plan for the East Canyon Pipeline Project addresses the requirements of the Storm Water Discharge Permit for controlling erosion during construction and operation of the project.

4. East Canyon Pipeline Project – Environmental Assessment (Morgan and Summit Counties, UT), Summit Water Distribution Company, September 1999.

This report analyzes the anticipated environmental impacts of the East Canyon Pipeline Project.

5. East Canyon Pipeline Project – Project Permits and Approvals, Summit Water Distribution Company, September 1999.

These documents include project permits and approvals from the Utah State Engineer, Army Corps of Engineers, Utah Division of Water Quality, Utah Division of Drinking Water, Bureau of Reclamation, Utah Department of Transportation, and others for the construction of the East Canyon Pipeline Project.

6. East Canyon Pipeline Project – Stream Restoration Water Quality and Fishery Values, Summit Water Distribution Company, September 1999.

Summit Water Distribution Company has committed in an agreement with the Division of Water Resources to take affirmative steps to increase in-stream flows in the creek, lower creek water temperatures, create, restore, and maintain riparian habitat, improve water quality, and provide angler access.

7. East Canyon Pipeline Project – Water Quality and Stream Enhancement Report, Summit Water Distribution Company, September 1999.

This report addresses the key water quality issues associated with the East Canyon Pipeline Project and outlines voluntary components of the project that are aimed at restoring the natural stream environment and fishery values in East Canyon Creek.

8. Green River Pipeline Cost Analysis, Utah Division of Water Resources, October 2002, Draft. Addendum to the Report in October 2003.

This report looks at various alternatives to import water from the Green River drainage, a major tributary to the Colorado River, for use along the Wasatch Front. In particular, it investigates the feasibility of importing water from either Fontenelle Reservoir in western Wyoming or Flaming Gorge Reservoir, near the Utah Wyoming border, into the Bear River or Weber River drainage.

9. Groundwater Conditions in Utah, Spring 2002, Report No. 43, Utah Division of Water Resources, Utah Division of Water Rights, U. S. Geologic Survey, 2002.

This report contains information on well construction, ground-water withdrawal, water-level changes, precipitation, streamflow, and chemical quality of water. This report also includes individual discussions of selected significant areas of ground-water development in the State for calendar year 2001.

10. Hydrology and Snowmelt Simulation of Snyderville Basin, Park City, and adjacent areas, Summit County, Utah, Technical Publication No. 115, Utah Division of Water Resources, Utah Division of Water Rights, U. S. Geologic Survey, 2002.

This report describes the hydrologic system and documents the quantity and quality of water resources in the Snyderville Basin and adjacent areas. The report is based on the most recent interpretation of hydrological data and geology and assist planners in assessing the effects of increased development on surface-water flows, ground-water levels, spring discharge, and the quality of the area's water resources. This report also indicates where additional ground-water monitoring would help to determine the extent of the effects of increased development. The results of this study provide a basis for comparison from which possible future changes to the hydrological system can be identified. Information summarized in this report includes: climatic data; surface-water flow; water levels in wells; discharge from springs, wells, and mine tunnels; and water-quality data.

11. Investigation of Water Supply Options, East Canyon Reservoir Rockport Reservoir, Weber Basin Water Conservancy District, CRS Engineers, April 1998.

This report is limited to providing relative cost information for two options for providing water to the Snyderville Basin. Summit Water Distribution Company proposed construction of a transmission main from East Canyon Reservoir via East Canyon to Jeremy Ranch for treatment. Weber Basin Water Conservancy District proposed an alternate project which would treat water at Rockport Reservoir and pump it to the top of Kents Canyon for subsequent feed into distribution systems.

12. Municipal and Industrial Water Supply Studies, Utah Weber River Basin, Utah Division of Water Resources, July 1996.

The total municipal and industrial (M&I) water supplies and uses for the Weber River Basin, are computed by compiling the results of the four separate areas (Summit County, Morgan County, Ogden Valley, and the Wasatch Front) in this report. All of the data was compiled for the 1992 calendar year. The reliable annual M&I water supply under present conditions for the Weber River Basin is 263,226 acre-feet.

13. Preliminary Engineering Report for Lost Creek Canyon Pipeline Project, Mountain Regional Water Special Service District and Promontory L.L.C., Aqua Engineering, Inc., February 2003.

The purpose of this project is to convey raw water for irrigation and culinary use to the Mountain Regional Water Special Service District service areas in the Silver Creek Basin. The project includes: a system of interconnected shallow wells, a booster pumping facility, a water transmission line to the divide between the Weber River Basin and Silver Creek Basin, two open reservoirs for irrigation and treatment supply, and a raw water treatment facility.

14. Preliminary Investigation, Upper Weber Water Supply, Park City Municipal Corporation, Entranco, Inc., May 2001.

The preliminary investigation was undertaken by Park City Municipal Corporation to help meet its challenges in providing public utilities such as water and sewer. This investigation centers around a 14-mile pipeline that would extend from an existing lake storage reservoir to Park City's water system. Three primary alternatives were identified and evaluated for determining probable least cost over the expected life of the project.

15. Summit County Regional Water Management Plan, Summit County Water Systems, MWH, December 2001.

The Summit County Regional Water Management Plan was developed to aid public water systems, along with state and county agencies, with long range planning. The management plan includes summaries of 34 public water systems located in Summit County.

16. The Geology of the Synderville Basin and Its Relation to Ground-Water Conditions, Francis X. Ashland, Charles E. Bishop, Mike Lowe, and Bea H. Mayes, Utah Geological Survey, Open-File Report 337, August 1996.

This study takes a detailed look at the water bearing rock formations in the Snyderville Basin, their relationship to one another and their water bearing and transmitting properties. A detailed review of the fracture patterns is made as well as effects of faults on ground-water movement. This study is the first to define and divide the Synderville Basin into discrete ground-water compartments, and recommendations for future study are made.

17. The Upper Weber River Water Development Project for Summit County, Weber Basin Water Conservancy District, February 1996.

The District has investigated the potential for development of a culinary water source to be supplied to the Snyderville Basin largely out of Smith & Morehouse Reservoir. Several Options have been considered for providing the most economical and reliable source to the Snyderville and Park City areas. A preferred alternative was identified to bring water from Wanship Dam through Kent Canyon to Park City. Two 1,000 gpm wells would be drilled and a 9 mgd package water treatment plant would be constructed.

18. Utah State Water Plan, Weber River Basin, Utah Division of Water Resources, May 1997.

This report provides a detailed analysis of water related issues, data, and information for the 11 major hydrological river basins within the state, including the Weber River Basin.

19. Wanship Pump Station and Pipeline Preliminary Design, Bureau of Reclamation, August 2004, 95 Percent Review.

It is proposed that a pump station be constructed to pump water from the base of Wanship Dam or above Rockport Reservoir, to an existing booster pump station. The existing booster pump station is part of a project know as Lost Creek Canyon Project constructed by Mountain Regional Water Special Service District. This report represents a preliminary level of designs and cost estimates for four different pump station and pipeline alternatives and is intended to direct decision makers to the best possible option.

20. Wanship Water Transmission System Predesign Study, Weber Basin Water Conservancy District, MWH and Bowen, Collins & Associates, December 2001.

The objective of this report is to provide an update to the transmission and storage sections of the Wanship Water Treatment Plant Predesign Study, based upon developments of the past year. The Wanship WTP Predesign Study examined water transmission and storage options for delivering water from Wanship Reservoir to Park City.

21. Wanship Water Treatment Plant Predesign Report, Weber Basin Water Conservancy District, MWH and Bowen, Collins & Associates, September 2000.

The purpose of the Wanship Water Treatment Plant Predesign Project is to prepare the framework for development of a new potable water supply for areas of Summit County in and around Park City. The Pre-design Project consists of four principal component tasks: Identify and preliminarily configure the raw water source for the new potable supply; Identify the preferred raw and treated water transmission corridors; Select a preferred water treatment process train and conduct a pilot study to verify and optimize the process selection; and finally, Identify and preliminarily configure the site of the new Wanship WTP.

22. Water Related Land Use Inventories, Weber River Basin, Utah Division of Water Resources, December 1992.

The land use inventory program of UDWR was set up to provide the land use data needed in preparation of water budgets, hydrological inventory reports and other state water planning activities. UDWR inventoried over 246,000 acres of land in the Weber River Basin. This represents only about 16 percent of the entire Basin. Areas not inventoried are mainly rangeland and national forests. Of the inventoried acres, 142,102 were irrigated land, 18,747 were wet/open water areas, and 81,027 were residential/industrial areas.

23. Water Supply and Water Demand Update, Park City Municipal Corporation, MWH, May 2000.

The purpose of the Water Supply and Water Demand Update is to characterize the existing potable water consumption patterns and to update the potable water demands within the boundaries of Park City at buildout. The maximum day summer demands are expected to increase from the existing 5,960 gpm to 9,700 gpm at buildout, which is projected to occur by 2019.

24. Weber River Basin Planning for the Future, Utah Division of Water Resources, July 20, 2004, Public Draft.

This document is the latest in the “Utah State Water Plan” series and is intended to guide and direct water-related planning and management in the Weber River Basin into the next century. It summarizes key data obtained through the previous water planning documents, introduces new data where available, and addresses issues of importance to all future water planning efforts.

25. 2005 Heavy Construction Cost Data, 19th Annual Edition, R.S. Means, 2004

26. East Canyon Creek Flow Augmentation Feasibility Study, Summit and Morgan Counties, Kleinfelder, Inc., Barnett Intermountain Water Consulting, and CRS Consulting

Snyderville Basin Water Supply Study Special Report

- Engineers, Inc., February 14, 2005, Prepared for Snyderville Basin Water Reclamation District.
27. East Juab County Water Efficiency Projects, Draft Appraisal Study, U.S. Bureau of Reclamation, May 2005.
 28. Increasing Utah's Usable Water Supply through Conjunctive Management of Water, Utah Division of Water Resources In-House Draft, September 13, 2004.
 29. Flitton, John S. Legal Counsel for Summit Water Distribution Company. Written Communication, December 19, 2005, and letter from Utah Division of Public Utilities to Utah Public Service Commission, August 2, 2002.
 30. Luers, Michael D. General Manager. Snyderville Basin Water Reclamation District. Telephone conversation record. September 22, 2004.
 31. Luers, Michael D. General Manager. Snyderville Basin Water Reclamation District. Written Communication, November 10, 2005.
 32. McMurray, Steven R., of McMurray, McMurray, Dale & Parkinson, Legal Counsel for East Canyon Resort, Clayton Macfarlane Company, and 910 Cattle Company. Letter with 18 Exhibits, March 28, 2002. Addresses Issues and Lawsuit(s) opposing the Summit Water Distribution Company's proposed East Canyon Water Pipeline.
 33. Sanks, Robert L. et. al., Pumping Station Design, Second Edition, Butterworth-Heinemann, 1998.
 34. Snyderville Basin Water Supply Study - Status Report, Bureau of Reclamation, March 2005.
 35. Summit County 2004 Concurrency Reports, PWS within Snyderville Basin, Summit County Concurrency Officer Files, April, 2004.
 36. Silver Creek Total Maximum Daily Load for Dissolved Zinc and Cadmium, Utah Department of Environmental Quality, Division of Water Quality, Approved by EPA August 4, 2004.
 37. Total Maximum Daily Load for East Canyon Reservoir, Utah Department of Environmental Quality, Division of Water Quality, April 1, 2000.
 38. Total Maximum Daily Load for East Canyon Creek, Utah Department of Environmental Quality, Division of Water Quality, April 1, 2000.
 39. Utah Agricultural Experiment Station Research Report No. 145, Robert W. Hill, Utah State University, Logan, Utah, Submitted to the Utah Department of Natural Resources, Division of Water Resources and Division of Water Rights.

40. Utah's M&I Water Conservation Plan – Investing in the Future, Utah Division of Water Resources, 2003b.