

MEMORANDUM

TO: Mayor and City Council

FROM: David Hornbacher, Director of Utilities and Environmental Initiatives

THROUGH: Randy Ready, Assistant City Manager

DATE OF MEMO: December 8, 2011

MEETING DATE: December 12, 2011

RE: Castle Creek Energy Center – Work Session Materials

SUMMARY: Staff will present information related to the Castle Creek Energy Center (CCEC) to City Council at the December 12, 2012 work session covering three main topics being: **Renewable Energy, Slow Start, and Project Financials**. The attached supporting documents are a basis to facilitate the detailed dialog of these complex issues with Council at the work session.

BACKGROUND: In 2007, 72% of City voters approved issuance of bonds to construct the Castle Creek Energy Center, and 77% of voters approved the land exchange to acquire replacement open space. October 18, 2010, a draft application for exemption of small conduit hydroelectric facilities was submitted to FERC for comment. On March 22, 2011, Staff participated in an independent Community Mediation Session. City Council directed staff on April 26, 2011 to pursue discussions with FERC, Pitkin County and American Rivers for support of a Minor Water Power Project (MWPP) license application, instead of the conduit exemption request.

On May 25, 2011, results of the Community Mediation session were released and the report included a statement of support to pursue conversion to a Minor Water Power Project license application including the appropriate level of environmental analysis and federal review. On October 24, 2011 Council gave direction to make application to FERC for a Minor Water Power Project License, and approved the Memorandum of Understanding with the Colorado Division of Wildlife including the Stream Health Monitoring Program. On October 24, 2011, City Council approved on 1st Reading the Land Use Review ordinance for the Castle Creek Energy Center.

CURRENT ISSUES:

Renewable Energy

The City of Aspen Canary Initiative launched the Canary Action Plan in year 2007 as a catalyst and template of actions and behavioral changes necessary to aggressively reduce Aspen's carbon

footprint and to protect our community's future. Developing renewable electric energy resources is an integral part of the strategies necessary to meet plan goals. To that end, City staff has implemented changes in the City's energy portfolio, including growing such renewable energy sources as wind and hydroelectric to achieve a 75% renewable level. The Castle Creek Energy Center continues our forward progress by adding 8% towards a sustainable goal of 100% renewable energy.

The work session discussion will examine the broad benefits and positive environmental contributions of this project as well as other renewable energy opportunities. Attachment A contains several relevant excerpts from the Canary Action plan. There are several other renewable energy alternatives that are worthy of consideration *in addition to* the Castle Creek Energy Center in order to reach the goal of 100% renewable energy within the Aspen electric service area. Those alternatives will also be important ways to help decrease the carbon footprint within the Holy Cross service area, as well.

Slow Start and Incremental Operations

In September 2010 City Council agreed to a delay of the land planning process to facilitate an independent Community Mediation Session. City Staff and other community members were invited to participate in this session held March 22, 2011. The outcome was released to the Public on May 25, 2011 through the session Mediator, Owen Olpin, and attached (Attachment B).

One result from the mediation session involves the City adjusting its direction in the FERC review and approval process from a Conduit Exemption to application for a Minor Water Power Project license.

Another recommendation of the mediation session is a precautionary and incremental "slow start" to hydropower diversion. The general principles of the slow start will be discussed at the work session and are included in Section 6 of the proposed Ordinance for the land planning approval for the CCEC building. These principles will be further refined as part of a process to establish an Intergovernmental Agreement (IGA) with Pitkin County for the Castle Creek Energy Center Operating Protocol, as well as through the FERC licensing process.

Prior to the proposed operation of the CCEC, three years of annual data will have been collected and analyzed using science-based methodology. Ongoing results of the monitoring of the fisheries and stream habitat will determine the energy production levels of the facility. Further, the monitoring program developed with the Colorado Division of Wildlife provides for adaptive management and adjustment of hydroelectric operations to fully ensure the health of the streams.

Although the City is not alone in ownership of water rights along Castle Creek and Maroon Creeks, the City is taking unprecedented steps to protect the stream through the slow start, robust monitoring plan and adaptive management, stream studies, and science based review through a Board of Experts. Attachment C listing the over 250 water rights on these two streams is provided for reference.

Finance and Economic Analysis

The City operates two hydroelectric plants and purchases its remaining energy supply needs from the Municipal Energy Agency of Nebraska (MEAN). Energy produced from the Castle Creek Energy Center would directly reduce these purchases. Further, the CCEC is a local facility directly connected to the local electric distribution system, eliminating the energy losses and associated cost to transport power to Aspen. The economic analysis examines and compares the costs attributed the Castle Creek Energy Center vs. continued coal fired energy production purchases.

Attachment D includes:

- 1) Graphic representation of the Cumulative Loss/Profit for a broad range of economic scenarios. The worst case (red line) example assumes a minimal increase in the cost of coal at 1% per year, and that production from the CCEC would never increase from the initial precautionary slow start level of 34% below full production. The second (blue line) example projects the cost of coal fired energy increasing at an inflationary rate of 2% per year, and the CCEC production moving from the slow start over a 6 year period to full production. The third (green line) optimistic case assumes a 3% annual increase in the cost of coal energy, and a 6 year period from slow start to full production.
- 2) Updated CCEC Project Budget
- 3) Economic Analysis and Return on Investment - the 3 comparisons assume a 2% inflationary cost of coal fired energy and vary by three different energy production levels being: a) 6 year ramp up of operations to 100%; b) At 3years, progress from the slow start 34% reduction to a 17% reduction, remaining at a 17% reduction for the life of project; and c) Initial slow start reduction of 34% remaining in place permanently.

During the 1980's the City constructed the Ruedi Reservoir and the Maroon Creek hydroelectric plant. The debt used to build these City-owned facilities is paid in full and they continue to deliver renewable energy to the community as long-term taxpayer-owned investments.

Attachment E depicts the progress of the Ruedi hydropower plant from its initial operation through full payment of debt service, to today as it delivers renewable energy at a cost below coal-fired energy from our supplier. The decision to build the Ruedi hydroelectric plant has resulted in low cost energy which contributes to the City maintaining the 6th lowest residential electric rates in the state (Attachment F).

ATTACHMENTS:

- A: Excerpts from the Canary Action Plan.
- B: Report of Community Mediation Session on the proposed Castle Creek Hydro Project, May 25, 2011
- C: Castle Creek and Maroon Creek Water Rights Tabulation, Division 5
- D: Castle Creek Energy Center Economic Analysis
- E: Ruedi Reservoir Hydroelectric Plant
- F: Colorado Association of Municipal Utilities Residential Rate Comparison

Page 1

Global climate change presents one of the foremost economic, social and environmental threats to the new century. Increasing concentrations of greenhouse gases in the atmosphere are causing higher temperatures. These increases are expected to lead to: more frequent intense storms, rising sea levels, changes in precipitation, snow pack and water availability, biodiversity loss, species extinction, changes in infectious disease incidence, increases in mortality due to heat stress, and humandis placement.

The scientific community agrees that human activities are almost certainly contributing to the rise in global temperature. The release of carbon dioxide into the atmosphere through burning fossil fuels to generate electricity, manufacture goods, heat our homes, power our transportation, and grow our food is trapping additional heat in the atmosphere, thus causing global warming.

Global warming is more than a quality of life issue. It is about our future ability to live and how that future rests on the choices we make in our daily lives. In order to address the threats presented by global climate change, governments, businesses and the individual citizen must take action now and into the future. The City of Aspen recognizes the need to address the political challenges we face head-on, with facts and figures, and with an action agenda that involves the entire community. This Canary Action Plan seeks to fulfill our fundamental desire to continue to raise the standard of living by taking an active, responsible approach to protect our environment, increase our economic prosperity, and foster a sustainable community. Only by taking action now can we fulfill the desire to provide future generations with the same quality of life we enjoy.

“People say time changes things, but really you have to change them yourself.”

-Andy Warhol

Page 28

D. Electricity

Aspen Electric provides renewable energy at no additional charge to the customer. Holy Cross Energy offers customers the option of purchasing electricity from renewable sources.

Principles for Reducing Building Energy Use:

1. Support environmentally responsible, sustainable energy sources such as solar, wind, geothermal, biomass, and **small hydroelectric power plants.**

2. Meet all growth in electricity demand since 2004 with new, zero-carbon dioxide sources of electricity with an **end goal of 100% renewable energy by 2015.**

May 25, 2011

OWEN OLPIN, MEDIATOR
SOUTH FISH CREEK RANCH, P.O. BOX 10
TEASDALE, UTAH 84773

CITY OF ASPEN'S PROPOSED CASTLE CREEK HYDRO PROJECT

To the Citizens of the City of Aspen and Pitkin County

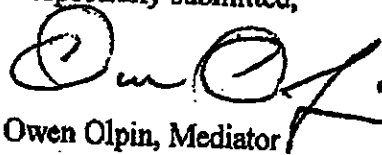
It is my privilege to present the Report of a community mediation convened to examine and develop principles and procedures to address concerns that have arisen over the City of Aspen's proposed Castle Creek Hydro Project. Those concerns have centered on potential impacts on the stream health of Castle and Maroon Creeks, the City's strong commitment to develop renewable energy in response to the imperatives of global climate change, and the appropriate intensity of environmental review and analysis to be undertaken by the Federal Energy Regulatory Commission in Project approval proceedings. The Report sets forth consensus recommendations of the mediation Participants on those important matters.

The twelve distinguished mediation Participants are identified in the attachment to the Report, as are the highly qualified Experts who made their expertise available to and deliberated with the Participants.

A Public Forum will be held on June 16, 2011, from 5:30 to 8:00 p.m. in the Paepcke Auditorium at the Aspen Institute to provide further information and afford concerned citizens the opportunity to ask questions and express views on the proposed Project and its potential impacts.

It has, indeed, been my privilege to serve as mediator and strive with the Participants and Experts as they worked diligently and probed deeply to achieve consensus in fashioning the recommendations set forth in the Report. There is also need to salute Tim McFlynn and Ruthie Brown for their tireless efforts in convening and carrying out the mediation that led to the Report.

Respectfully submitted,


Owen Olpin, Mediator

REPORT
OF
COMMUNITY MEDIATION SESSION

ON THE PROPOSED

CASTLE CREEK HYDRO PROJECT

(MARCH 22, 2011 AT THE ASPEN INSTITUTE)

MAY 25, 2011

Introduction

On March 22, 2011, a small number of nonprofit and community leaders and concerned landowners met privately at the Aspen Institute with City of Aspen senior staff to address issues raised by individuals and organizations objecting to the proposed Castle Creek Hydro Project ("Project"). The all-day meeting was mediated by Mr. Owen Olpin. The participants were benefited greatly by collaboration among and contributions from the experts advising the City and the independent experts who had reviewed the Project on behalf of the Pitkin County Healthy Rivers & Streams Program. Participants, Experts and other attendees are listed on Attachment "A".

This Report has been prepared to summarize the recommended guiding Principles for City decision-making on the Project and on the path forward on two pivotal issues: streamflow protection and environmental review by the Federal Energy Regulatory Commission ("FERC").

Statement of Principles

The City of Aspen's continued leadership is imperative in its Canary Initiative programs and other projects that reduce carbon emissions, developed and approved through a community-driven and ecologically responsible public process. Decision-making on the proposed Project should be informed by science as well as by (a) the urgency and magnitude of the global climate crisis, (b) guaranteed protection of stream flows sufficient to ensure true stream health in both Castle and Maroon Creeks, and (c) legal protection of water rights held by the City of Aspen.

Healthy Streams

A precautionary and incremental approach to any and all Project operations is imperative, in order to ensure that healthy functioning stream ecosystems in both Castle and Maroon Creeks are fully protected from adverse impacts by Project operations.

The centerpiece of an operating protocol suggested by the City, well-received by the Participants, and the subject of ongoing collaborative review, analysis and refinement by both the City and the Healthy Rivers experts, is a "slow start" with small incremental increases in hydropower diversions, as warranted by rigorous ongoing monitoring and as approved in advance by the Project oversight Board of Experts. Project oversight in this suggested protocol would be vested in a three member Board of fisheries/stream health experts with one member representing Pitkin County's Healthy Rivers and

Streams, one member representing the Colorado Division of Wildlife and one member representing the City of Aspen. To insure both public participation in and the transparency of Project oversight, the Board of Experts will hold open meetings, post baseline and monitoring data on its website, and give notice of opportunities for public input to all interested parties requesting same. Some Participants suggested adding one or more citizen members to the Board of Experts.

The Board of Experts by unanimous consensus would (a) approve in advance the details of the initial "slow start" of hydropower diversions and specify, as well as modify from time to time as needed, the details of a rigorous monitoring plan including the impacts to be monitored; (b) make regular and ongoing determinations regarding the Project's effects on stream health based upon data collected pursuant to the monitoring plan; and (c) impose such additional limitations upon Project operations and diversions as may be required to fully protect healthy functioning stream ecosystems. Such an operating protocol would be legally binding and enforceable as an express condition of the FERC approval, as a specific condition of land use approval within the City Ordinance approving the Castle Creek Energy Center, and as either an inclusion in the stipulated diligence decree concerning the City's water rights or a separately executed contract between the City and Pitkin County, whichever is more appropriate.

FERC Exemption or Licensing

The Participants are aware of the issues associated with the FERC exemption, permitting or licensing process. The Participants' interest is limited to ensuring that the environmental safeguards on this Project are at least as comprehensive and rigorous as the most stringent of any FERC licensing process appropriate to a Project of this size and scope.

The Participants support the City's decision to pursue a conversion of its FERC application for a small conduit exemption to a minor water power project license application (1.5 MW or less) as defined in 18 CFR 4.30 (B)(17), including the appropriate level of NEPA analysis and review (not less than an Environmental Assessment).

Next Steps

The Participants urge City collaboration with organizations like American Rivers, Healthy Rivers & Streams, and other sources of expertise and experience, to the end that an exemplary level of environmental responsibility for Castle and Maroon Creeks characterizes this Project going forward. All

Participants also support one or more open Public Meetings on the important issues raised by the Project including but not limited to environmental responsibility, renewable energy generation, climate change, fiscal responsibility, and the historic legacy of the City of Aspen. To attract broad participation, such meetings should be planned as well as attended by interested landowners and citizens, river conservation and renewable energy organizations, the City of Aspen and its Utilities and Renewable Energy Department, and the Pitkin County Healthy Rivers and Streams program.

Mediator's Comment

The Mediator has reviewed this Report and believes that it fairly and adequately summarizes the results of the March 22, 2011 session at The Aspen Institute and continued collaborative efforts through the date of this Report. The Mediator compliments all the Participants and Experts for their constructive and collaborative work together and for their civility in addressing a tough and complex problem.

Attachment "A"

Mediator

Owen Olpin, Esq.
Teasdale, UT

Participants

Steve Barwick
City Manager
Aspen, CO

Bill Budinger
The Rodol Foundations
Aspen, CO

Tom Cardamone
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**Will Roush
Castle Creek Landowner
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Healthy Rivers & Streams Experts

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City of Aspen Experts

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Bill Miller, PhD
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Energy, Water and Public Utilities Lawyer
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Kerry Sundeen
Hydrologist and President
Grand River Consulting
Glenwood Springs, CO

Conveners

Ruthie Brown
Co-Convener
Aspen, CO

Tim McFlynn
Co-Convener
Aspen, CO

Rapporteur

Olivia Katz
Aspen, CO

Exhibit C

Castle Creek Water Rights Tabulation Division 5 July 2010 Tabulation
Prepared 10/18/10

Name of Structure	Type	WD	Location	Use	Abs	Cond.	Alt P/ Exchange	Units	Adjudication Date	Prior Adj. Date	Appropriation Date
1 Castle Creek Ditch	D	38	NE 35 10S 85W	i	2			C	5/1/1889		8/15/1884
2 Midland Flume Ditch	D	38	SESWSW 23 10S 85W	im*	60			C	6/25/1892		11/16/1885
3 Midland Flume Ditch	D	38	SESWSW 23 10S 85W	im*	100			C	6/25/1892		5/1/1889
4 Marolt Ditch	D	38	NWSW 13 10S 85W	i	18.6			C	7/25/1934		3/1/1902
5 Tagert Ditch	D	38	NENW 12 10S 85W	i	1.557			C	8/25/1934		4/10/1905
6 Elk Mountain Ditch	D	38	NENWNE 30 11S 84W	i	1			C	8/25/1936		5/10/1916
7 St Johnson Ditch	D	38	SWNENW 13 10S 85W	i	3.5			C	8/25/1936		1/10/1926
8 St Johnson Ditch	D	38	SWNENW 13 10S 85W	i	2			C	8/25/1936		5/1/1932
9 Bracken Ditch & Pipeline	D	38	10S 85W	id	1			C	8/25/1940		6/1/1942
10 Stein Castle Creek Ditch	D	38	NWSWSE 23 10S 85W	i	0.46			C	10/24/1952	8/25/1949	6/25/1892
11 Midnight Ditch	D	38	25 10S 85W	nd	2.5			C	10/24/1952	8/25/1949	6/15/1916
12 Tagert Ditch	D	38	NENW 12 10S 85W	i	1.41			C	10/24/1952	8/25/1949	6/1/1943
13 Feinsinger Ditch	D	38	10S 85W	id	2			C	10/24/1952	8/25/1949	8/13/1946
14 Crosby Ditch No. 2	D	38	2 10S 85W	ipo		0.5		C	10/24/1952	8/25/1949	5/15/1947
15 Elk Mountain Pipeline	L	38	NENWNE 30 11S 84W	id	0.223			C	10/24/1952	8/25/1949	8/1/1949
16 Elk Mountain Pipeline	W	38	SWSWSW 20 11S 84W	id			0.056	C	10/24/1952	8/25/1949	8/1/1949
17 Holden Ditch	D	38	SWSW 13 10S 85W	id	30			C	10/24/1952	8/25/1949	8/27/1950
18 Crosby Ditch No. 1	D	38	2 10S 85W	p		0.5		C	10/24/1952	8/25/1949	4/28/1952
19 Tekonetch Ditch	D	38	26 10S 85W	i	2			C	6/20/1958	10/24/1952	6/1/1919
20 Kelly Pipeline	L	38	SENENW 6 12S 84W	ids	0.42			C	6/20/1958	10/24/1952	6/1/1955
21 Kelly Ditch	D	38	SENENW 6 12S 84W	i				C	6/20/1958	10/24/1952	6/1/1955
22 Roy Well	W	38	23 10S 85W	D	0.067			C	12/31/1973		6/27/1957
23 Highland Hope Spg and Ditch	S	38	10S 85W	ird	1			C	11/5/1971	6/20/1958	12/31/1913
24 Devaney Creek Ditch	D	38	SWSW 29 11S 84W	ir*	1.326			C	11/5/1971	6/20/1958	7/1/1953
25 Maddalone Ditch	D	38	SWSWNE 2 11S 85W	id	0.01			C	11/5/1971	6/20/1958	9/1/1957
26 Tabor Ditch	D	38	SENENW 6 12S 84W	ir*	2			C	11/5/1971	6/20/1958	6/1/1959
27 Feinsinger Ditch	W	38	SWSW 23 10S 85W	D	0.03			C	12/31/1972		7/3/1963
28 Mosher Well No 1	W	38	SWNENE 26 10S 85W	D	0.033			C	12/31/1986		12/31/1963
29 Highland Ditch No. 1	D	38	11S 85W	im*	5.3			C	11/5/1971	6/20/1958	5/15/1964
30 Bark Well No. 2	W	38	NENE 2 11S 85W	D			0.033	C	11/5/1971	6/20/1958	5/15/1964
31 New Hope Under Gr SP & PL	S	38	1 11S 85W	im*	5			C	11/5/1971	6/20/1958	9/8/1964

Castle Creek Water Rights Tabulation Division 5 July 2010 Tabulation
Prepared 10/18/10

Name of Structure	Type	WD	Location	Use	Abs	Cond.	Alt P/ Exchange	Units	Adjudication Date	Prior Adj. Date	Appropriation Date
32 Castle Creek Reservoir	R	38	18 11S 85W	im*		9062		A	11/5/1971	6/20/1958	7/19/1965
33 Tenth Mtn Dv Sp & D HG 1	S	38	11S 85W	ir*	0.33			C	11/5/1971	6/20/1958	9/7/1967
34 Tenth Mtn Dv Sp & D HG 2	S	38	11S 85W	ir*	0.33			C	11/5/1971	6/20/1958	9/7/1967
35 Tenth Mtn Dv Sp & D HG 3	S	38	11S 85W	ir*	0.33			C	11/5/1971	6/20/1958	9/7/1967
36 Pine Creek Pipeline & Ditch	D	38	6 12S 84W	IR*		2		C	11/5/1971	6/20/1958	9/11/1967
37 Jordan-Sneaky Lane Well	W	38	NESENW 12 10S 85W	D	0.033			C	12/31/1989		5/20/1971
38 Dahl Spring	S	38	SWSE 1 11S 85W	d	0.16			C	12/31/1971	12/31/1971	6/16/19271
39 Hurricane Spring	S	38	1 11S 85W	D	0.012			C	12/31/1972	12/31/1971	6/30/1967
40 Baxter Well	W	38	SENW 12 10S 85W	d	0.033			C	12/31/1973		11/24/1972
41 Roy Fish Ponds 1 and 2	R	38	23 10S 85W	pf	0.75			A	12/31/1973	12/31/1972	5/20/1966
42 Shohet Spgs Coll Dist SY	S	38	11S 85W	fd	0.178			C	12/31/1973	12/31/1972	4/30/1973
43 Starodoj Well	W	38	SESENW 12 10s 85W	d	0.033			C	12/31/1983		5/1/1973
44 Steinmetz Ditch No 2	D	38	11S 85W	ip	5			C	12/31/1974	12/31/1973	12/31/1965
45 Steinmetz Ditch No 1	D	38	11S 85W	ip	3			C	12/31/1974	12/31/1973	12/31/1968
46 Kellog Lake Spring	S	38	NENW18 12S 84W	fs	0.002			C	12/31/1972		4/30/1974
47 Mistk Pd Ear Spring	S	38	NENW 21 7S 86W	fs	0.001			C	12/31/1972		4/30/1974
48 Weller CG Spring	S	38	NWNWSE 1 11S 84W	fd	0.001			C	12/31/1975	12/31/1974	12/1/1974
49 Dahl Well	W	38	NENW 12 11S 85W	D	0.055			C	12/31/1975		3/10/1975
50 Totman	W	38	NWNE 19 11S 84W	D		0.033		C	12/31/1975		4/18/1975
51 Vicenzi Well	W	38	NENE 19 11S 84W	b	0.033			C	12/31/1975		12/31/1966
52 Waterfall Gulch	S	38	SESW 29 11S 84W	ids	0.044			A	12/31/1976	12/31/1975	12/29/1970
53 Aspen Golf Course Pnd 01	R	38	NENWSW 12 10S 85W	im*	6.38			A	12/31/1976	12/31/1975	12/29/1970
54 Aspen Golf Course Pnd 10	R	38	SENE 12 10S 85W	im*	0.08			A	12/31/1976	12/31/1975	12/29/1970
55 Aspen Golf Course Pnd 12	R	38	NENE 11 10S 85W	im*	0.58			A	12/31/1976	12/31/1975	12/29/1970
56 Aspen Golf Course Pnd 13	R	38	NENE 11 10S 85W	im*	0.29			A	12/31/1976	12/31/1975	12/29/1970

Castle Creek Water Rights Tabulation Division 5 July 2010 Tabulation
Prepared 10/18/10

Name of Structure	Type	WD	Location	Use	Abs	Cond.	Alt P/ Exchange	Units	Adjudication Date	Prior Adj. Date	Appropriation Date
57 Aspen Golf Course Pnd 16	R	38	SWSESE 2 10S 85W	im*	0.23			A	12/31/1976	12/31/1975	12/29/1970
58 Aspen Golf Course Pnd 02	R	38	SWSENW 12 10S 85W	im*	0.61			A	12/31/1976	12/31/1975	12/29/1970
59 Aspen Golf Course Pnd 05	R	38	NWSWNW 12 10S 85W	im*	0.09			A	12/31/1976	12/31/1975	12/29/1970
60 Aspen Golf Course Pnd 06	R	38	NWSWNW 12 10S 85W	im*	0.14			A	12/31/1976	12/31/1975	12/29/1970
61 Aspen Golf Course Pnd 07	R	38	NWSWNW 12 10S 85W	im*	0.07			A	12/31/1976	12/31/1975	12/29/1970
62 Aspen Golf Course Pnd 15	R	38	SWSESE 2 10S 85W	im*	0.21			A	12/31/1976	12/31/1975	12/29/1970
63 Aspen Golf Course Pnd 04	R	38	SWSWNW 12 10S 85W	im*	0.24			A	12/31/1976	12/31/1975	12/29/1970
64 Aspen Golf Course Pnd 08	R	38	NESENE 11 10S 85W	im*	0.16			A	12/31/1976	12/31/1975	12/29/1970
65 Aspen Golf Course Pnd 09	R	38	NESENE 11 10S 85W	im*	0.29			A	12/31/1976	12/31/1975	12/29/1970
66 Aspen Golf Course Pnd 11	R	38	NESENE 11 10S 85W	im*	0.14			A	12/31/1976	12/31/1975	9/30/1976
67 Aspen Golf Course Pnd 14	R	38	SENWNE 11 10S 85W	im*	0.31			A	12/31/1976	12/31/1975	9/30/1976
68 Aspen Golf Course Pnd 03	R	38	NWSESW 12 10S 85W	im*	0.17			A	12/31/1976	12/31/1975	9/30/1976
69 Waterfall Creek Pipeline	L	38	32 11S 84W	fd	0.1			C	12/31/1977	12/31/1976	7/4/1884
70 Tagert Ditch	D	38	NESENE 12 10S 85W	i	0.25			C	12/31/1977	12/31/1976	6/1/1960
71 Eaglemont Springs and Pl	S	38	SESE 36 10S 85W	ip*	0.176			C	12/31/1977	12/31/1976	3/31/1976
72 Eaglemont Storage pond	R	38	1 11S 85W	IP*	2.2			A	12/31/1977	12/31/1976	3/31/1977
73 Furness Well No. 1	W	38	SW 13 10S 85W	D	0.033			C	12/31/1979		6/6/1977
74 Tagert Ditch Pt. 2	D	38	NESENE 12 10S 85W	i	0.25			C	12/31/1977	12/31/1976	11/25/1977
75 Tagert Ditch Pt. 3	D	38	NESENE 12 10S 85W	i	0.25			C	12/31/1977	12/31/1976	11/25/1977
76 Tagert Ditch Pt. 4	D	38	NESENE 12 10S 85W	i	0.5			C	12/31/1977	12/31/1976	11/25/1977
77 Tagert Ditch Pt. 5	D	38	NESENE 12 10S 85W	i	0.25			C	12/31/1977	12/31/1976	11/25/1977
78 Delise Well No 1	W	38	SESESE 35 10S 85W	fd	0.022			C	12/31/1980	12/31/1976	12/31/1980
79 Lewis Spring	S	38	SESESW 2 11S 85W	id	0.011			C	12/31/1981	12/31/1980	10/9/1981

Castle Creek Water Rights Tabulation Division 5 July 2010 Tabulation
Prepared 10/18/10

Name of Structure	Type	WD	Location	Use	Abs	Cond.	Alt P/ Exchange	Units	Adjudication Date	Prior Adj. Date	Appropriation Date
80 Queens Ditch Hdgt No 2	D	38	NESWNE 26 10S 85W	i			0.067 C		12/31/1986	12/31/1985	6/1/1968
81 Queens Ditch	D	38	SWNE 26 10S 85W	i	0.067			C	12/31/1986	12/31/1985	6/1/1968
82 Mosher Ditch & Pipeline	D	38	SESENE 26 10S 85W	i			0.067 C		12/31/1986	12/31/1985	6/1/1968
83 Queens Pond	R	38	SENWNE 26 10S 85W	isa	0.03			A	12/31/1986	12/31/1985	5/31/1982
84 Queens Pond	R	38	SENWNE 26 10S 85W	pd*	0.22			A	12/31/1986	12/31/1985	10/3/1986
85 Mosher Well No 2	W	38	NENWNE 26 10S 85W	ds		0.033		C	12/31/1986	12/31/1985	10/3/1986
86 Queens Ditch Hdgt No 2	D	38	NESWNE 26 10S 85W	pdo			0.033 C		12/31/1986	12/31/1985	12/26/1986
87 Queens Ditch	D	38	SWNE 26 10S 85W	pdo	0.033			C	12/31/1986	12/31/1985	12/26/1986
88 Mosher Ditch & Pipeline	D	38	SESENE 26 10S 85W	pdo			0.033 C		12/31/1986	12/31/1985	12/26/1986
89 Elk Mountain Res Upper	R	38	SWSWSW 20 11S 84W	ps	1.58			A	12/31/1987	12/31/1986	6/1/1939
90 Elk Mountain Res Lower	R	38	SWSWSW 20 11S 84W	ps	3.05			A	12/31/1987	12/31/1986	6/1/1939
91 Hurricane Gully Spring	S	38	SWSWSE 1 11S 85W	d	0.033			C	12/31/1987	12/31/1986	12/31/1966
92 Crisby Spring	S	38	11S 84W	nd	0.033			C	12/31/1987	12/31/1986	5/10/1980
93 Elk Mountain Res Upper	R	38	SWSWSW 20 11S 84W	icd	1.58			A	12/31/1987	12/31/1986	6/1/1987
94 Elk Mountain Res Lower	R	38	SWSWSW 20 11S 84W	icd	3.05			A	12/31/1987	12/31/1986	6/1/1987
95 Smart Well No 1	W	38	NENENE 26 10S 85W	d	0.033			C	12/31/1989		7/20/1987
96 Hankon Spring	S	38	10S 85W	nd	0.35			C	12/31/1988	12/31/1987	6/1/1988
97 Hankon Spring	S	38	SENWSE 36 10S 85W	nd	0.35			C	12/31/1988	12/31/1987	6/1/1988
98 Hayden Peak Ditch No 1	D	38	NESWSW 18 11S 84W	ip*	1			C	12/31/1988	12/31/1987	12/20/1988
99 Hayden Peak Ditch No 2	D	38	SENESE 13 11S 85W	IP*	1			C	12/31/1988	12/31/1987	12/20/1988
100 Berlin Pond	R	38	NWNENE 23 10S 85W	ipo	2			A	12/31/1989	12/31/1988	8/16/1984
101 MN 1 Well No 155166	W	38	SENWSW 18 11S 84W	D	0.033			C	12/31/1990		5/22/1989
102 Mosher Pond No 1	R	38	SWNWNE 26 10S 85W	ir*	0.1			A	12/31/1989	12/31/1988	9/1/1989
103 Mosher Pond No 2	R	38	SWNWNE 26 10S 85W	IR*	0.1			A	12/31/1989	12/31/1988	9/1/1989
104 Mosher Ditch & Pipeline	D	38	SESENE 26 10S 85W	ip*	0.25			C	12/31/1989	12/31/1988	11/1/1989

Castle Creek Water Rights Tabulation Division 5 July 2010 Tabulation
Prepared 10/18/10

Name of Structure	Type	WD	Location	Use	Abs	Cond.	Alt P/ Exchange	Units	Adjudication Date	Prior Adj. Date	Appropriation Date
105 CCVR Well No 1	W	38	NWSWNE 23 10S 85W	ir*	0.067			C	12/31/1990	12/31/1989	7/24/1989
106 CCVR Well No 2	W	38	NWSWNE 23 10S 85W	ir*	0.067			C	12/31/1990	12/31/1989	7/24/1989
107 CCVR Well No 3	W	38	SWNWSE 23 10S 85W	ir*	0.033	0.034		C	12/31/1990	12/31/1989	7/24/1989
108 CCVR Well No 4	W	38	SWNWSE 23 10S 85W	ir*	0.056	0.011		C	12/31/1990	12/31/1989	7/24/1989
109 CCVR Well No 5	W	38	NWSWSE 23 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
110 CCVR Well No 6	W	38	SESESW 23 10S 85W	ir*	0.033	0.034		C	12/31/1990	12/31/1989	7/24/1989
111 CCVR Well No 7	W	38	SWNENW 26 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
112 CCVR Well No 8	W	38	NESENW 26 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
113 CCVR Well No 9	W	38	NENESW 26 10S 85W	ir*	0.067	0.067		C	12/31/1990	12/31/1989	7/24/1989
114 CCVR Well No 10	W	38	SENESW 26 10S 85W	ir*	0.067			C	12/31/1990	12/31/1989	7/24/1989
115 CCVR Well No 11	W	38	NWSWSE 26 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
116 CCVR Well No 12	W	38	SESESW 26 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
117 CCVR Well No 14	W	38	SESENW 26 10S 85W	ir*	0.013	0.054		C	12/31/1990	12/31/1989	7/24/1989
118 CCVR Well No 1B	W	38	SWSWNE 23 10S 85W	ir*	0.067		0.067	C	12/31/1990	12/31/1989	7/24/1989
119 CCVR Well No 2B	W	38	SWSWNE 23 10S 85W	ir*	0.034	0.034		C	12/31/1990	12/31/1989	7/24/1989
120 CCVR Well No 3B	W	38	NWNWSE 23 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
121 CCVR Well No 4B	W	38	NWNWSE 23 10S 85W	ir*	0.045	0.022		C	12/31/1990	12/31/1989	7/24/1989
122 CCVR Well No 5B	W	38	NWSWSE 23 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
123 CCVR Well No 6B	W	38	NENENW 26 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
124 CCVR Well No 7B	W	38	NENENW 26 10S 85W	ir*			0.014	C	12/31/1990	12/31/1989	7/24/1989
125 CCVR Well No 8B	W	38	NWSWNE 26 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
126 CCVR Well No 9B	W	38	NENESW 26 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
127 CCVR Well No 10B	W	38	SENESW 26 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
128 CCVR Well No 11B	W	38	SWSWSE 26 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
129 CCVR Well No 12B	W	38	SWSWSE 26 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
130 CCVR Well No 13 B	W	38	SWNWNE 35 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
131 CCVR Well No 14 B	W	38	SESENW 26 10S 85W	ir*		0.067		C	12/31/1990	12/31/1989	7/24/1989
132 CCVR Well PMH	W	38	NWNWNE 26 10S 85W	ir*	0.033	0.034		C	12/31/1990	12/31/1989	7/24/1989
133 CCVR Pump and Pipeline	D	38	SWSENW 23 10S 85W	ir*		0.6		C	12/31/1990	12/31/1989	12/31/1989
134 MN 2 Well No 159780	W	38	NESWSW 18 11S 84W	D	0.033			C	12/31/1990		2/15/1990
135 Cooper Spring No 3	S	38	NWNENE 12 11S 85W	fd	0.033			C	12/31/1990	12/31/1989	8/1/1990
136 Blainberg Feeder Ditch	D	38	SENESW 18 11S 84W	ir*		0.05		C	12/31/1992	12/31/1991	1/20/1992
137 Blainberg Pond	R	38	NESESW 18011S 84W	ir*		0.25		A	12/31/1992	12/31/1991	1/20/1992
138 Blainberg Spring Area	S	38	SENESW 18 11S 84W	ir*		0.05		C	12/31/1992	12/31/1991	1/20/1992

Castle Creek Water Rights Tabulation Division 5 July 2010 Tabulation
Prepared 10/18/10

Name of Structure	Type	WD	Location	Use	Abs	Cond.	Alt P/ Exchange	Units	Adjudication Date	Prior Adj. Date	Appropriation Date
139 Blainberg Pond	R	38	NESESW 18 11S 84W	ir*		1.75		A	12/31/1993	11/3/1993	6/17/1993
140 Upper Pond (N2 Pond)	R	38	NWSW 18 11S 84W	ip*	0.75			A	12/31/1994	12/31/1993	9/30/1989
141 Lower Pond	R	38	NWSW 18 11S 84W	ps	0.4	0.4		A	12/31/1994	12/31/1993	9/30/1989
142 Steeple Chase Mid-Mtn WS	S	38	SESWNE 27 10S 85W	ic*		0.33		C	12/31/1994	12/31/1993	8/5/1994
143 PPLTD Pond No. 1	R	38	SENESE 19 11S 84W	ir*	0.9			A	12/31/1995	12/31/1994	12/31/1981
144 PPLTD Pond No. 2	R	38	SENESE 19 11S 84W	ir*	0.28			A	12/31/1995	12/31/1994	12/31/1981
145 PPLTD Pond No. 3	R	38	SENESE 19 11S 84W	ir*	0.7	0.02		A	12/31/1995	12/31/1994	12/31/1981
146 PPLTD Pond No. 4	R	38	SENESE 19 11S 84W	ir*	0.09			A	12/31/1995	12/31/1994	12/31/1981
147 PPLTD Pond No. 5	R	38	SENESE 19 11S 84W	ir*	0.89	0.05		A	12/31/1995	12/31/1994	12/31/1981
148 PPLTD Pond No. 6	R	38	SENESE 19 11S 84W	ir*	0.53	0.03		A	12/31/1995	12/31/1994	12/31/1989
149 Harty Pond	R	38	SENWNE 23 10S 85W	ip*	1.21	1.21		A	12/31/1995	12/31/1994	10/20/1995
150 Jigsaw Pump and Pipeline	A	38	SESWSE 23 10S 85W	ip*	0.4			A			
151 Jigsaw Pond	R	38	NENWNE 26 10S 85W	ip*	0.38			A	12/31/1995	12/31/1994	10/20/1995
152 Cabin Pond - Castle Creek	R	38	SESWSE 23 10S 85W	ip*		1.2		A	12/31/1995	12/31/1994	10/20/1995
153 Castle Creek Pond No 1	R	38	SWNESE 23 10S 85W	ip*		1.8		A	12/31/1995	12/31/1994	10/20/1995
154 Castle Creek Pond No 2	R	38	SWNESE 23 10S 85W	ip*		1.8		A	12/31/1995	12/31/1994	10/20/1995
155 Aspen Gulch Pipeline	R	38	SWNESE 23 10S 85W	ip*				1.2 C	12/31/1995	12/31/1994	10/20/1995
156 Queen's Gulch Hdgt No. 1	R	38	SESWNW 23 10S 85W	ip*				1.2 C	12/31/1995	12/31/1994	10/20/1995
157 Queen's Gulch Hdgt No. 2	R	38	SENWNE 23 10S 85W	ip*				1.2 C	12/31/1995	12/31/1994	10/20/1995
158 Monitor Springs	S	38	SWNESE 36 10S 85W	dw		0.033		C	12/31/1996	12/31/1995	11/20/1996
159 WTS Well No. 1	W	38	SWNWSW 20 11S 84W	ids	0.018	0.033		C	12/31/1998	12/31/1997	12/31/1987
160 WTS Well No. 2	W	38	NWNWSW 20 11S 84W	ids		0.033		C	12/31/1998	12/31/1997	12/31/1987
161 Berlin Pond	R	38	NWNESE 23 10S 85W	ir*	1.37	0.63		A	12/31/1999	12/31/1998	6/22/1999
162 Smith/Hyde Well No. 1	W	38	NWNESE 23 10S 85W	id	0.067			C	12/31/1999	12/31/1998	6/22/1999
163 Smith/Hyde Exchange	A	38	NWNESE 23 10S 85W	a	0.013			C	12/31/1999		10/29/1999
164 Enough Lode Well	W	38	NWNESE 1 11S 85W	d	0.007	0.026		C	12/31/2000	12/31/1999	11/16/1968
165 BEB Spring	S	38	SESE 36 10S 85W	nd		0.1		C	12/31/2000	12/31/1999	9/19/2000
166 Whitson Well	W	38	NENWNE 2 11S 85W	id	0.033			C	12/31/2001	12/31/2000	12/31/1965
167 Butera Feeder Ditch	D	38	SENWSE 23 10S 85W	ir*		1		C	12/31/2001	12/31/2000	11/6/2000

Castle Creek Water Rights Tabulation Division 5 July 2010 Tabulation
Prepared 10/18/10

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168 Butera Pond	R	38	NWNESE 23 10S 85W	if*		3		A	12/31/2001	12/31/2000	11/6/2000
169 Butera Well	W	38	NENWSE 23 10S 85W	if*		0.033		C	12/31/2001	12/31/2000	11/6/2000
170 Bella Pond	R	38	NESWNE 2 11S 85W	ip*	0.35			A	12/31/2002	12/31/2001	8/31/1990
171 Hillside Ditch	D	38	NWSWNE 2 11S 85W	is	0.04			C	12/31/2002	12/31/2001	6/26/2002
172 285 Pond System	D	38	NESWNE 2 11S 85W	ips	0.07	0.43		A	12/31/2002	12/31/2001	6/26/2002
173 Maddalone Ditch	D	38	SWSWNE 2 11S 85W	ip*		0.09		C	12/31/2002	12/31/2001	10/2/2002
174 Farver Ditch	D	38	NESE 2 11S 85W	ip		0.25		C	12/31/2003	12/31/2002	6/12/2002
175 Farver Pone	R	38	NESW 2 11S 85W	ip		0.1		A	12/31/2002	12/31/2002	6/12/2002
TO											
TA					291.83	9082.5					
L							4.223				

Tabulation of Augmentation Plans

Name of Plan	Stream Name	Location
176 Mosher Aug Plan	Castle Creek	26 10S 85WS
177 Elk Mountain Aug Plan	Castle Creek	20 11S 84WS
178 CCVR Aug Plan	Castle Creek	23 10S 85WS
179 Blanberg Aug Plan	Castle Creek	18 11S 84WS
180 Brandon Aug Plan	Castle Creek	21 4S 84WS
181 PPLTD Aug Plan	Castle Creek	19 11S 84WS
182 PPLTD Aug Plan	Castle Creek	19 11S 84WS
183 Smith/Hydc Aug Plan	Castle Creek	23 10S 85WS
184 Butera Well Aug Plan	Castle Creek	23 10S 85WS

Maroon Creek Water Rights Tabulation Division 5 July 2010 Tabulation
Prepared 12/8/11

Name of Structure	Type	WD	Location	Use	Abs	Cond.	Alt P/ Exchange	Units	Adjudication Date	Prior Adj. Date	Appropriation Date
1 Maroon Ditch (Nestell)	D	38	SENESE 21 10S 85W	MDP	3.4			C	4/8/1893	4/3/1893	7/10/1889
2 Stapleton Bros Alt No 1	D	38	NWNWNW 34 9S 85W	I				8C	10/16/1933	7/27/1933	6/30/1904
3 Stapleton Brothers Ditch	D	38	SWSWNW 14 10S 85W	IA	8			C	10/16/1933	7/27/1933	6/30/1904
4 Stapleton Bros Alt No 2	D	38	SWNESE 34 9S 85W	I				8C	10/16/1933	7/27/1933	6/30/1904
5 Stapleton Bros D Alt No 3	D	38	SWNWNW 34 9S 85W	I				8C	10/16/1933	7/27/1933	6/30/1904
6 Stapleton Bros D No 4	D	38	SWSENW 34 9S 85W	I				8C	10/16/1933	7/27/1933	6/30/1904
7 Church Well	W	38	NWSENE 11 10S 85W	I	0.033			C	8/25/1936	9/18/1934	4/10/1905
8 Herrick Ditch	D	38	NWNW 33 10S 85W	IA	9.3			C	2/5/1940	8/25/1936	10/1/1890
9 Maroon Creek Ditch No 1	D	38	NESESW 5 11S 85W	IP	4.95			C	2/5/1940	8/25/1936	6/1/1910
10 Maroon Creek Ditch No 2	D	38	5 11S 85W	IP	1.65			C	2/5/1940	8/25/1936	6/1/1910
11 Maroon Ditch	D	38	SENESE 21 10S 85W	MDP	65			C	8/25/1949	2/5/1940	8/12/1892
12 Lowr Sterner Spring	S	38	SWSSE 10 10S 85W	FS	0.002			C	12/31/1972		10/30/1940
13 Stein Arlian Marolt D	D	38	SENESE 21 10S 85W	ID	21			C	10/24/1952	8/25/1949	8/12/1892
14 Carlson Well	W	38	SENW 22 10S 85W	D	0.033			C	12/31/1972		6/15/1951
15 Pearson Spring Ditch	D	38	NWSW 14 10S 85W	IO	2			2C	6/20/1958	10/24/1952	9/1/1891
16 Lyeth Jones Pipeline	L	38	SESWNW 16 10S 85W	IO				2C	6/20/1958	10/24/1952	9/1/1891
17 AH Pipeline, 1st Alternate	A	38	NESE 15 10S 85W	IO				2C	6/20/1958	10/24/1952	9/1/1891
18 AH Pipeline, 2nd Alternate	A	38	NESE 15 10S 85W	IO				2C	6/20/1958	10/24/1952	9/1/1891
19 AH Well No 1	W	38	NWNWNE 14 10S 85W	IO				2C	6/20/1958	10/24/1952	9/1/1891
20 AH Well No 2	W	38	NENENW 14 10S 85W	IO				2C	6/20/1958	10/24/1952	9/1/1891
21 AH Well No 3	W	38	SENEW 14 10S 85W	IO				2C	6/20/1958	10/24/1952	9/1/1891
22 AH Well No 4	W	38	SENEW 14 10S 85W	IO				C	6/20/1958	10/24/1952	6/1/1948
23 Stein Arlian Marolt D	D	38	SENESE 21 10S 85W	I	4			C	6/20/1958	10/24/1952	8/1/1951
24 Herrick Ditch	D	38	NWNW 33 10S 85W	I	51.56			C	6/20/1958	10/24/1952	8/1/1954
25 Samuel J Caudill Jr SP D	S	38	SWSWSE 2 10S 85W	D	0.004			C	6/20/1958	10/24/1952	7/15/1955
26 Caudill Pipeline No 2 D	L	38	SWSWSE 2 10S 85W	I	0.077			C	6/20/1958	10/24/1952	7/15/1955
27 Caudill Lake Ditch No 1	D	38	SWSWSE 2 10S 85W	P	0.028			C	6/20/1958	10/24/1952	7/15/1955
28 Jones Fish Pond No 1	R	38	NENWSW 14 10S 85W	PO	2.5			C	6/20/1958	10/24/1952	5/1/1956
29 Jones Fish Pond 3 INLT 1	D	38	NESWNW 14 10S 85W	PO	2.5			C	6/20/1958	10/24/1952	5/1/1956
30 Jones Fish Pond No. 2	R	38	SESWNW 14 10S 85W	PO	2.5			C	6/20/1958	10/24/1952	5/1/1956
31 Jones Fish Pond 3 INLT 2	D	38	NESWNW 14 10S 85W	PO	1			C	6/20/1958	10/24/1952	5/22/1956
32 Jones Pipeline No. 1	L	38	SESWNW 14 10S 85W	PDO	1.29			C	6/20/1958	10/24/1952	5/22/1956
33 Jones Pipeline No. 2	L	38	SESWNW 14 10S 85W	PDO	2			C	6/20/1958	10/24/1952	5/22/1956
34 V U Pipeline Ditch	D	38	SENESE 15 10S 85W	P	3.4			C	6/20/1958	10/24/1952	11/6/1956

Maroon Creek Water Rights Tabulation Division 5 July 2010 Tabulation
Prepared 12/8/11

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35 Morse Upper Spring	S	38	SWNWSW 11 10S 85W	RD	0.1			C	11/5/1971	6/20/1958	12/31/1946
36 Bulkley Well	W	38	NWNW 22 10S 85W	D	0.033			C	12/31/1971		6/26/1960
37 Stapleton Brothers Ditch	D	38	SWSWNW 14 10S 85W	MR*	5.56	0.44		C	11/5/1971	6/20/1958	9/22/1960
38 Tichack Well LP Well No 1	W	38	SESESE 3 10S 85W	MR*				6C	11/5/1971	6/20/1958	9/22/1960
39 General Contracting W 2	W	38	NENESW 2 10S 85W	ID*	0.22			C	12/31/1972		6/20/1962
40 Harvey Well	W	38	SWSE 2 10S 85W	D	0.04			C	12/31/1972		5/27/1964
41 Maroon Creek Reservoir	R	38	7 11S 85W	IM*		4567		A	11/5/1971	6/20/1958	7/19/1965
42 Lyeth Jones Pipeline	L	38	SESWNW 16 10S 85W	IP	0.25			C	11/5/1971	6/20/1958	7/31/1965
43 Highland Pond No 1	R	38	NWSENW 14 10S 85W	IP	1.9			A	11/5/1971	6/20/1958	7/31/1965
44 Highland Pond No 2	R	38	NWSENW 14 10S 85W	IP	0.2			A	11/5/1971	6/20/1958	7/31/1965
45 Highland Pond No. 3	R	38	NWSENW 14 10S 85W	IP	9			A	11/5/1971	6/20/1958	7/31/1965
46 Caudill Well	W	38	SWSE 2 10S 85W	D	0.033			C	12/31/1972		11/1/1965
47 Maroon LK CG Spring	S	38	NENWNW 13 11S 86W	FD	0.01			C	12/31/1972		13/31/1966
48 Silverqueen Well	W	38	SWSE 5 11S 85W	FD	0.001			C	12/31/1972		13/31/1966
49 Ridge 1 Spring	S	38	SESESW 34 8S 85W	FS	0.001			C	12/31/1972		10/30/1968
50 Vonhees Urschel PL	L	38	NWSESE 15 10S 85W	IFD	0.35			C	12/31/1970	12/31/1969	12/15/1968
51 Harvey Spring	S	38	SWSE 2 10S 85W	D	0.044			C	12/31/1971	12/31/1971	12/31/1947
52 West Burnt Mt WTR SUP	S	38	SE 24 10S 85W	CD		0.111		C	12/31/1972	12/31/1971	9/6/1972
53 Silverbar CG Spring	S	38	NWNW 33 10S 85W	FD	0.001			C	12/31/1972		4/31/1974
54 Silverbell CG Spring	S	38	SENE 32 10S 85W	FD	0.001			C	12/31/1972		4/31/1974
55 Highlands Wtr & San Dist	L	38	SENESE 15 10S 85W	IM*	0.22	0.78		C	12/31/1976	12/31/1975	9/1/1963
56 Hurricane Spring	S	38	1 11S 85W	D	0.012			C	12/31/1972	12/31/1971	6/30/1967
57 Stapleton Brothers Ditch	D	38	SWSWNW 14 10S 85W	I	2.45	3.55		C	12/31/1978	12/31/1977	6/1/1977
58 Maroon Cr Pl & Divr Dam	L	38	SE 21 10S 85W	IM*		68.4		C	12/31/1980	12/31/1979	12/29/1965
59 Wilson Well No 2	W	38	SENEW 33 7S 88W	D	0.033			C	12/31/1982		7/10/1981
60 Zoline Buttermilk Well	W	38	SWSWSE 2 10S 85W	FDS		0.033		C	12/31/1986		3/5/1986
61 Church Well	W	38	NWSENE 11 10S 85W	CD	0.033			C	12/31/1988	12/31/1987	6/1/1988
62 Herrick Ditch	D	38	NWNW 33 10S 85W	IC*	4			C	12/31/1989	12/31/1988	12/22/1989
63 Zoline Spring No 1	S	38	SWNWSE 2 10S 85W	DS	0.033			C	12/31/1990	12/31/1989	1/3/1936
64 Zoline Spring No 2	S	38	SENEWSE 2 10S 85W	IF*	0.033			C	12/31/1990	12/31/1989	6/1/1980
65 Maroon Cr Pl & Divr Dam	L	38	SE 21 10S 85W	IM*		4.5		C	12/31/1993	12/31/1992	8/10/1993
66 Lyeth Jones Pipeline	L	38	SESWNW16 10S 85W	IM*		4.5		C	12/31/1993	12/31/1992	8/10/1993
67 AH Pipeline, 1st Alternative	MF	38	NESE 15 10S 85W	IM*		4.5		C	12/31/1993	12/31/1992	8/10/1993
68 AH Pipeline, 2nd Alternative	A	38	NESE 15 10S 85W	IM*		4.5		C	12/31/1993	12/31/1992	8/10/1993
69 AH Well No 1	W	38	NWNWNE 14 10S 85W	IM*		1		C	12/31/1993	12/31/1992	8/10/1993
70 AH Well No 2	W	38	NENENW 14 10S 85W	IM*		1		C	12/31/1993	12/31/1992	8/10/1993

Explanation of Contents and Codes Used in the Tabulation

This tabulation represents the current status of water right decrees as of December 31, 2009. Each line displays the current net amount of absolute and conditional decrees for a structure by priority date. If the total of absolute and conditional decrees is currently zero, no tabulation line is displayed.

Name of Structure

The decreed structure's name. Some commonly-used abbreviations include:

ditch D well W reservoir R, RES spring SPR
 pipeline PL no. # pump P and S

A single letter describing the structure type; if more than one structure type is decreed, an asterisk is shown. Codes are used as follows:
 Typ Structure Type Typ Structure Type Typ Structure Type
 D Ditch M Mine W Well L Pipeline
 R Reservoir P Pump S Spring Z Power Plant
 E Seep O Other

Name of Source

The source, typically a stream, from which the water is to be taken.

WD

The Water District number.

LOCATION

The component location fields are displayed in small-to-large order:
 Q10, Q40, Q160, Section, Township, Range, P.M.

Use

Up to three use code letters are displayed to describe the decreed uses. If more than three uses are decreed, an asterisk is displayed at the third position. The use code letter(s) represent the current cumulative set of uses for the decree listed. Note that lower case letters are different codes than upper case letters!

Use	Use Name	Use	Use Name	Use	Use Name
I	Irrigation	E	Evaporation	M	Municipal
R	Commercial	C	Geothermal	N	Industrial
F	Recreation	K	Snowmaking	P	Fishery
S	Fire	P	Power generation	D	Domestic
A	Stock	s	State export	O	Other
	Augmentation	W	Wildlife	B	Basin export
				X	all beneficial uses

Net Abs

The net amount of absolute water decreed for the structure and priority date. The net amount represents the current cumulative amount of water for the decree listed. To arrive at the net absolute amount, original or supplemental decrees are added to transfers-to and conditionals-made-absolute. Transfers from and abandonments are subtracted out.

Net Cond

The total amount of conditional water decreed for the structure and priority date. The net amount represents the current cumulative amount of conditional water for the decree listed. To arrive at the net conditional amount, original or supplemental conditional decrees are added to transfers-to. Transfers-from, abandonments, and conditionals-made-absolute are subtracted out.

AltP/Exch

The total of alternate point and exchange water for the structure and priority date. A zero in this column should be interpreted as showing that some alternate point(s) exist, the total or maximum amount of which have not yet been tabulated.

U

The units of the decreed amount. CFS (C) and AF (A) decrees are accumulated separately and displayed on separate report lines. An 'X' entered here implies that the decree is for 'All' the water available at the diversion point. In this case, the word 'All' will be displayed in the Net Abs column.