



State Engineer's Office

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PATRICK T. TYRRELL
STATE ENGINEER

September 4, 2012

MEMORANDUM

TO: Members of the State Water Forum

FROM: Patrick Tyrrell, Chairman

SUBJECT: Attached for your review and information is a copy of the September 4, 2012 Water Forum meeting minutes. Please take a few moments and pencil into your calendar the Water Forum dates for this year. The next meeting will be October 2nd in the State Engineer's Conference Room at 10:00 a.m.

WATER FORUM SCHEDULE 2012-2013 1st TUESDAY OF EACH MONTH

DATE	INVITED GUEST	DISCUSSION ITEM
October 2 nd	Fred Ogden – University of Wyoming	Hydrologic Modeling of the Upper Colorado River Basin on the NCAR – Wyoming Supercomputer
November 6 th		
December 4 th		
January 8 th		
February 5 th		
March 5 th		
April 2 nd		
May 7 th		

SPECIAL REPORT

The next meeting of the Water Forum will be October 5, 2010 at 10:00 a.m. in the State Engineer's Office conference room. We will be hearing from Bryan Shuman, Associate Professor at the University of Wyoming in the Department of Geology and Geophysics. Dr. Shuman's presentation is titled, "Multi-Century Droughts in Wyoming's Headwaters: Evidence from Lake Sediments".

WYOMING STATE WATER FORUM MEETING MINUTES

September 7, 2010

Pat Tyrrell called the two hundred and ninety-fourth meeting of the State Water Forum to order at 10:00 a.m. The following were in attendance:

<u>Name</u>	<u>Agency</u>	<u>E-mail</u>
Barry Lawrence	WWDO	blawre@state.wy.us
Brian Lovett	DEQ-WQD	blovet@wyo.gov
Jodee Pring	SEO	jpring@seo.wyo.gov
Pat Tyrrell	SEO	ptyrre@seo.wyo.gov
Steve Wolff	SEO	swolff@seo.wyo.gov

AGENCY REPORTS

In order to assure accurate reporting in the minutes, forms are passed out to be completed by the representative of each agency at the meeting. These minutes consist of a compilation of the written reports received. Please complete a form either at the Forum meeting or return within a couple of days to Jodee Pring, State Engineer's Office. This will increase the efficiency and accuracy of completing the minutes for the Water Forum. Reports can also be sent via e-mail to: jpring@seo.wyo.gov. For more information on the following reports, please contact the agency representative listed above.

STATE ENGINEER'S OFFICE (SEO)

Pat Tyrrell reported the following:

The SEO has been diligently working on Colorado River issues. Some of those issues include Annual Operating Plan (AOP) language which includes the Glen Canyon Adaptive Management Plan and operation of the reservoirs.

Negotiations continue with Mexico on their ability to use storage in U.S. reservoirs.

The SEO has been getting quite a few requests for temporary use permits and water hauls for the oil and gas development that has ramped up in southeast Wyoming and northern Colorado. The office has been engaging in some enforcement action to be sure that if a permit is changed to a temporary use, that the use, such as irrigation, is not used during the next irrigation season.

Steve Wolff reported the following:

Four new weather stations are up and running in Boulder, Farson, the Upper Green and Bridger Valley. Another site is being investigated in Baggs.

Jodee Pring reported the following:

The update of the Green River Basin Water Plan is almost complete. The groundwater portion is complete and is now at the printers.

Short Elliott Hendrickson Inc. (SEH) is almost finished with the update of the Wind/Bighorn River Basin Plan. Expected delivery of the final plan is the end of September.

The Water Planning team continues to work on the update of the Bear River Basin plan. We are working on updating tech memos and certain aspects of the report.

For information on any of the updates on the water plans, please go to:
<http://waterplan.state.wy.us/>

WYOMING WATER DEVELOPMENT OFFICE

Barry Lawrence reported the following:

Mr. Lawrence reported on the many updates that are occurring with the Wyoming Weather Modification program. For more information on this continuing program, please contact Mr. Lawrence.

The Water Development Commissioners and the Select Water Committee will meet November 3-5 in Casper. They will also meet again December 4-16.

The deadline for proposals for the Water Research Program is early October. The program has \$100,000 that can go towards new projects.

The Wyoming Water Association will be holding their annual conference and education seminar October 27-29 in Laramie at the Hilton Garden Inn. For more information or to register, go to www.wyomingwater.org

BUREAU OF RECLAMATION / WYOMING AREA OFFICE

John Lawson submitted the following:

The following is a listing of reservoir conditions on August 31, 2010:

1. Water Supply Conditions of the North Platte River Basin.

August 31, 2009 Reservoir Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Seminole	6350.70	895,500	88	137
Pathfinder	5839.87	807,700	79	156
Alcova	5498.11	179,800	98	100
Glendo	4616.27	325,200	63	233
Guernsey	4411.80	27,800	61	99

August 31, 2009 Reservoir Conditions:

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF)</u>
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Seminole	6343.69	773,900	652,500
Pathfinder	5831.48	661,800	517,700
Alcova	5498.44	180,600	180,100
Glendo	4593.82	164,700	139,500
Guernsey	4411.87	27,900	28,000

October through August Inflows

<u>Reservoir</u>	<u>Inflows</u>	<u>% Of Average</u>
Seminole	1493.8	160
Pathfinder (Sweetwater)	94.5	73
Alcova to Glendo Gains	380.6	195
Glendo to Guernsey Gains	74.7	233

The August inflows were above average for all reservoirs in the North Platte Basin except for Pathfinder Reservoir.

Kendrick ownership was 1,121,500 acre-feet (AF) on August 31, 2010 and approximately 126% of average (888,100 AF), which compares to the ownership of 1,020,400 AF last year at this date. The August 31, 2010, North Platte ownership was 697,000 AF, which was approximately 143% of average (489,000 AF), which compares to 664,000 AF of North Platte ownership on this date last year. The Glendo ownership was 180,700 AF on August 31, 2010, which was approximately 136% of average (132,900 AF), which compares to the 123,000 AF of Glendo ownership on this date last year.

Flows in the Miracle Mile below Kortez Dam are approximately 1600 cubic feet per second (cfs). Releases from Gray Reef Reservoir are approximately 2,500 cfs. The level of Alcova Reservoir is at the normal summer operating range of 5498± one foot.

2. Water Supply Conditions of the Big Horn Basin

August 31, 2010 Reservoir Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Bull Lake	5790.01	107,900	71	105
Boysen	4720.56	658,300	89	106
Buffalo Bill	5379.50	537,600	83	107
Pilot Butte	5445.24	21,600	64	101

August 31, 2009 Reservoir Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF)</u>
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Bull Lake	5796.22	125,700	102,900
Boysen	4721.96	683,800	619,400
Buffalo Bill	5382.53	560,500	502,200*
Pilot Butte	5444.44	20,300	21,400

* The average used for Buffalo Bill Reservoir reflects data from 1993 through 2009. In 1992, the capacity of the reservoir was increased to approximately 646,565 AF as a result of raising the dam. A long term average cannot be calculated until several years of operation occur under the increased storage.

October through August Inflows

<u>Reservoir</u>	<u>Inflows (KAF)</u>	<u>% Average</u>
Bull Lake	187.8	106
Boysen	1155.9	131
Buffalo Bill	824.5	101

Inflows to Bull Lake, Boysen, and Buffalo Bill Reservoirs were above average during August.

The meeting adjourned at 11:30 am.