



State Engineer's Office

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GOVERNOR

PATRICK T. TYRRELL
STATE ENGINEER

November 10, 2009

MEMORANDUM

TO: Members of the State Water Forum

FROM: Patrick Tyrrell, Chairman

SUBJECT: Attached for your review and information is a copy of the November 3, 2009 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 December 1st in the State Engineer's Conference Room at 10:00 a.m.

WATER FORUM SCHEDULE 2009-2010 1st TUESDAY OF EACH MONTH

DATE	INVITED GUEST	DISCUSSION ITEM
November 3 rd	Barry Lawrence, Bruce Boe	Weather Modification
December 1 st	Cheryl Miller	Groundwater, Surface Water Interaction
January 5 th	Bern Hinckley	Lusk Area Groundwater Level I Study
February 2 nd	John Henz and Bill Badini	Extreme Precipitation Analysis tool and Climate Change and Water Supply
March 2 nd	Blaine Christopherson	Allison Draw Project
April 6 th	Bureau of Reclamation	Water Supply Forecast
May 4 th	Tim Bartos	High Plains Aquifer Study

SPECIAL REPORT

The next meeting of the Water Forum will be December 1, 2009 at 10:00 a.m. in the State Engineer's Office conference room. We will be hearing from Cheryl Miller, who is with the U.S. Geological Survey, Wyoming Water Science Center. Ms. Miller will be giving us a presentation on Groundwater-Surface Water Interaction.

WYOMING STATE WATER FORUM MEETING MINUTES

November 3, 2009

Jodee Pring the two hundred and eighty-seventh 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>
Matt Bilodeau	COE	matthew.a.bilodeau@usace.army.mil
Liberty Blain	LCCD	liberty@lccdnet.org
Bruce Boe	Weather Mod Inc.	bboe@weathermod.com
Mark Conrad	WDEQ – Water Quality	mconra@wyo.gov
Mike Ebsen	SEO	mebsen@seo.wyo.gov
Lee Hackleman	NRCS	lee.hackleman@wy.usda.gov
Matt Hoobler	SEO	mhoobl@seo.wyo.gov
Barry Lawrence	WWDO	blawre@state.wy.us
Jeremy Manley	SEO	jmanle@seo.wyo.gov
David Mott	USGS	dmott@usgs.gov
Chris Nicholson	WRDS	cnichol5@uwyo.edu
Jodee Pring	SEO	jpring@seo.wyo.gov
Steve Roseberry	WDEQ	sroseb@wyo.gov
Ken Von Buettner	NRCS	kenneth.vonbuettner@wy.usda.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.

LARAMIE COUNTY CONSERVATION DISTRICT (LCCD)

Liberty Blain reported the following:

The LCCD will hold a workshop on Erosion Control on January 20th. If you would like more information concerning this workshop, please contact Liberty.

WYOMING WATER DEVELOPMENT OFFICE

Barry Lawrence reported the following:

There will be a joint meeting between Select Water Committee and the Water Development Commission November 5 and 6 in Casper. Currently, there are 60 projects that will be included in the 2010 Omnibus Water Planning bill. A copy of the request for proposal for these projects can be found on the Water Development Office website.

WATER RESOURCES DATA SYSTEM

Chris Nicholson reported the following:

Chris passed handed out handouts: one on Wyoming Precipitation: Departures from Normal and November Daily Average and Extreme Temperatures. A copy of these handouts can be found [here](#).

NATURAL RESOURCES CONSERVATION SERVICE (NRCS)

Lee Hackleman reported the following:

The snotel equipment has been installed at Black Hall Mountain in the Snowy Range and Pocket Creek near Pinedale. Two other sites, Larson Creek and Castle Creek near Dubois have yet to be installed. The snotel that was to be installed at Soldier Creek is on hold as it is in a roadless area. Lee also provided a copy of the Monday morning snow report. A copy of that report can be found [here](#).

BUREAU OF RECLAMATION / WYOMING AREA OFFICE

John Lawson submitted the following:

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

October 31, 2009 Reservoir Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Seminoe	6338.17	688,131	68	114
Pathfinder	5835.10	721,869	71	144
Alcova	5489.78	160,079	87	103
Glendo	4594.25	167,172	32	98
Guernsey	4398.72	8,399	18	162

October 31, 2008 Reservoir Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF)</u>
Seminoe	6325.99	525,614	605,800
Pathfinder	5809.07	377,895	500,800
Alcova	5488.81	157,872	155,600
Glendo	4592.41	156,930	170,800
Guernsey	4398.79	8,467	5,200

October 2009 Inflows

<u>Reservoir</u>	<u>Inflows</u>	<u>% Of Average</u>
Seminoe	38.8	132
Pathfinder (Sweetwater)	2.7	46
Alcova to Glendo Gains	9.7	79
Glendo to Guernsey Gains	2.3	100

Kendrick ownership was 1,011,711 acre-feet (AF) on October 31, 2009 and approximately 116% of average (870,800 AF), which compares to the ownership of 526,840 AF last year at this date. The October 31, 2009, North Platte ownership was 598,633 AF, which was approximately 139% of average (430,400 AF), which compares to 611,359 AF of North Platte ownership on this date last year. The Glendo ownership was 120,840 AF on October 31, 2009, which was approximately 99% of average (122,300 AF), which compares to the 84,773 AF of Glendo ownership on this date last year.

Flows in the Miracle Mile below Kortez Dam are approximately 550 cubic feet per second (cfs). Releases from Gray Reef Reservoir are approximately 500 cfs. The level of Alcova Reservoir is approaching the winter operating range of 5488± one foot.

2. Water Supply Conditions of the Big Horn Basin

October 31, 2009 Reservoir Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full</u> <u>Conservation Storage</u>	<u>% Avg.</u>
Bull Lake	5779.56	80,259	53	108
Boysen	4720.85	663,535	89	112
Buffalo Bill	5368.92	460,463	71	110
Pilot Butte	5455.09	29,427	87	113

October 31, 2009 Reservoir Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF)</u>
Bull Lake	5782.55	87,873	74,600
Boysen	4718.51	622,506	594,700
Buffalo Bill	5369.06	461,285	416,800*
Pilot Butte	5454.13	28,619	26,000

* 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 2009 Inflows

<u>Reservoir</u>	<u>Inflows (KAF)</u>	<u>% Average</u>
Bull Lake	6.1	111
Boysen	59.6	101
Buffalo Bill	30.5	121

The release from Buffalo Bill Reservoir to the river and the springs is approximately 780 cfs as measured at the Cody river gage. The release from Boysen Dam is approximately 900 cfs.

SPECIAL REPORT

Barry Lawrence of the Wyoming Water Development Commission and Bruce Boe of Weather Mod, Inc. gave an update on the Wyoming Weather Modification Pilot Program. A copy of the fact sheet for this program can be found [here](#). For more information concerning Weather Modification in Wyoming, please contact Barry Lawrence.

The meeting adjourned at 12:00 pm.