



State Engineer's Office

HERSCHLER BUILDING, 4-E CHEYENNE, WYOMING 82002
(307) 777-7354 FAX (307) 777-5451
seoleg@state.wy.us

DAVE FREUDENTHAL
GOVERNOR

PATRICK T. TYRRELL
STATE ENGINEER

December 7, 2007

MEMORANDUM

TO: Members of the State Water Forum

FROM: Patrick Tyrrell, Chairman

SUBJECT: Attached for your review and information is a copy of the December 4, 2007 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 January 8th in the State Engineer's Conference Room at 10:00 a.m.

WATER FORUM SCHEDULE 2007-2008 1ST TUESDAY OF EACH MONTH

DATE	INVITED GUEST	DISCUSSION ITEM
January 8 th	Glenn Tootle - Faculty Member - Civil & Architectural Engineering - UW Office of Water Programs	Streamflow Reconstruction in the Upper Green and Upper Wind Rivers
February 5 th	Jim Cannia - USGS Nebraska Water Science Center	Determination of Canal Leakage Potential Using Continuous Resistivity Profiling Techniques, Interstate Canal
March 4 th	Cody Moser & Ty Soukup - Graduate Students - Civil & Architectural Engineering - UW Office of Water Programs	Improved Streamflow Forecasting of the North Platte River
April 1 st	John Lawson, Bureau of Reclamation	Water Forecast
May 6 th		

SPECIAL REPORT

The next meeting of the Water Forum will be January 8, 2008 at 10:00 a.m. in the State Engineer's Office conference room. We will be hearing from Glenn Tootle, a faculty member in the College of Civil and Architectural Engineering at the University of Wyoming. Mr. Tootle will be speaking to us on "Streamflow Reconstruction in the Upper Green and Upper Wind Rivers".

WYOMING STATE WATER FORUM MEETING MINUTES

December 4, 2007

Jodee Pring called the two hundred and seventieth 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>
Brian Anderson	USBR	bjanderson@gp.usbr.gov
Bill Bailey	WYDOT	william.bailey@dot.state.wy.us
John Barnes	SEO	jbarne@seo.wyo.gov
Matt Bilodeau	COE	matthew.a.bilodeau@usace.army.mil
Greg Kerr	UW-Office of Water Programs	rrek@uwyo.edu
Chris Nicholson	WRDS	cnichol5@uwyo.edu
Jodee Pring	SEO	jpring@seo.wyo.gov
Phil Stump	SEO	pstump@seo.wyo.gov
Glenn Tootle	UW - Dept. of Civil Engineering	tootleg@uwtyo.edu

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)

Jodee Pring reported the following:

A Green River Basin Advisory Group meeting was held in Green River on November 14th. It was well attended, about 50 participants, and those attending learned about the work the consultant is going to do on the update of the Green River Basin plan. A presentation from Brian Seppie, who is with the Green River/Rock Springs Joint Powers Water Board, was also given. Mr. Seppie spoke on the challenges their organization is facing due to drought and increased pressures from population increase and energy development.

The 2007 Statewide Framework Water Plan is now completed. A pdf version of the Executive Summary, Volume I and Volume II can be found at:

<http://waterplan.state.wy.us/frameworkplan.html>

The next State and Federal Coordinating Committee (SFCC) meeting will be held January 22 at the Herschler building in Cheyenne.

Yellowstone River Compact Commission meetings will be held Dec. 5 and 6 in Billings, MT. The technical committee meeting will be held on the 5th from 1:30 - 5:30 p.m. and the full commission meeting will be held the 6th from 8:30 am - 12:30 pm. Both meetings will be held at the Lewis and Clark room at MSU - Billings.

A meeting of the Missouri River Association of State and Tribes (MoRAST) will be held Dec. 11 and 12 in Pierre, SD. The agenda include presentations on invasive species on the Missouri River and climate change and its effects on the Missouri. The meeting will be held at the Ramkota Hotel.

A Belle Fourche River Compact meeting will be held in Belle Fourche, SD on Dec. 18th starting at 10:00 a.m. The agenda includes irrigation district reports along with an update on summer 2007 irrigation season operations.

U.S. ARMY CORPS OF ENGINEERS (COE)

Matt Bilodeau reported the following:

The U.S. Army Corps of Engineers has issued a Public Notice announcing a 45 day time extension to the June 5, 2007 U.S. Environmental Protection Agency and U.S. Army Corps of Engineers (Agencies) joint agency guidance regarding Clean Water Act (CWA) jurisdiction following the U.S. Supreme Court's decision in the consolidated cases Rapanos v. United States and Carabell v. United States ("Rapanos").

The guidance, previously set to expire on December 5, 2007, is intended to ensure that jurisdictional determinations, administrative enforcement actions, and other relevant agency actions being conducted under the CWA are consistent with the Rapanos decision and provide effective protection for public health and the environment. The time extension also provides an opportunity for the public to continue to submit comments on the guidance.

A copy of the Public Notice describing the issue and where to obtain further information is posted on the Wyoming Regulatory Field Office website at:
<https://www.nwo.usace.army.mil/html/od-rwy/pn/spn5Deco7.pdf>

WATER RESOURCES DATA SYSTEM (WRDS)

Chris Nicholson reported the following:

Meeting agendas and meeting records for the Green River Basin II Plan can now be found on the Water Development Office Water Planning website. Please go to: <http://waterplan.state.wy.us/basins/green/green.html> to view these items.

The 2007 Statewide Framework Water Plan is now posted on the Water Planning Website. Meeting records, the Executive Summary and Volumes 1 and 2 of the plan can be found at: <http://waterplan.state.wy.us/frameworkplan.html>

WRDS has been working on an online bibliography that will be completed soon. This will include a map of the state with reports linked to the area of the state that is pertinent to that report.

BUREAU OF RECLAMATION / WYOMING AREA OFFICE (USBR)

John Lawson submitted the following:

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

November 30, 2007 Reservoir Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Seminole	6290.88	214,300	21	36
Pathfinder	5785.47	195,000	19	38
Alcova	5488.17	156,400	85	101
Glendo	4598.81	194,600	38	87
Guernsey	4398.71	8,400	18	97

November 30, 2006 Reservoir Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF)</u>
Seminole	6300.48	280,700	598,900
Pathfinder	5791.01	230,700	519,700
Alcova	5488.05	156,200	154,800
Glendo	4601.74	213,800	223,800
Guernsey	4399.01	8,700	8,700

November 2007 Inflows

<u>Reservoir</u>	<u>Inflows</u>	<u>% Of Average</u>
Seminole	24.8	84
Pathfinder (Sweetwater)	3.5	76
Alcova to Glendo Gains	3.4	29
Glendo to Guernsey Gains	0.8	42

Kendrick ownership was 355,800 acre-feet (AF) on November 30, 2007 and approximately 40% of average (898,500 AF), which compares to the ownership of 439,900 AF last year at this date. The November 30, 2007, North Platte ownership was 350,800 AF, which was approximately 77% of average (454,000 AF), which compares to 409,500 AF of North Platte ownership on this date last year. The Glendo ownership was 52,500 AF on November 30, 2007, which was approximately 42% of average (125,500 AF), which compares to the 28,800 AF of Glendo ownership on this date last year.

Kendrick ownership was the lowest for the end of November in the last 30 years. Glendo ownership at the end of November was the third lowest in the last 30 years.

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

2. Water Supply Conditions of the Big Horn Basin

November 30, 2007 Reservoir Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Bull Lake	5768.96	55,300	36	72
Boysen	4703.80	412,600	56	70
Buffalo Bill	5365.79	438,200	68	105
Pilot Butte	5452.96	27,600	82	104

November 30, 2006 Reservoir Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>30 Year Average (AF)</u>
Bull Lake	5770.28	58,200	76,500
Boysen	4709.09	480,200	593,600
Buffalo Bill	5367.01	446,700	417,200*
Pilot Butte	5410.20	3,900	26,500

* The average used for Buffalo Bill Reservoir reflects data from 1993 through 2007. 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.

November 2007 Inflows

<u>Reservoir</u>	<u>Inflows (KAF)</u>	<u>% Average</u>
Bull Lake	4.2	140
Boysen	38.6	79
Buffalo Bill	22.8	110

The total release from Buffalo Bill Reservoir to the river is approximately 150 cfs and with addition from the springs is approximately 200 cfs as measured at the Cody river gage. The release from Boysen Dam is approximately 400 cfs.

SPECIAL REPORT

Glenn Tootle, who is a faculty member in the College of Civil and Architectural Engineering with the University of Wyoming, was our special presenter today. Mr. Tootle Landmeyer gave a very interesting presentation entitled, “Glacial Recession in Wyoming’s Wind River Range”. A copy of Mr. Tootle’s presentation can be found [here](#).

The meeting adjourned at 12:00 pm.