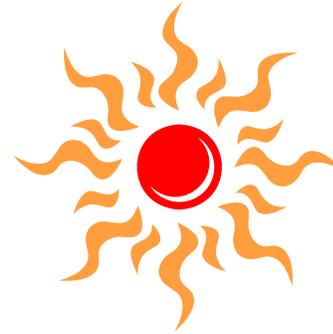


Approved June 13, 2006



**HYDROLOGY COMMITTEE CONFERENCE CALL
SAN JUAN RIVER BASIN RECOVERY IMPLEMENTATION PROGRAM
APRIL 11, 2006**

Member/Alternates Present

Pat Page, Chairman
Aaron Chavez (Alternate) for Randy Kirkpatrick
Bill Miller
Steve Harris
Dave Frick
Pat Turney
John Whipple
Rick Cox
Earl Dickson
Brian Westfall

Ron Bliesner

Chuck Lawler
John Simons

Program Management

Joann Perea-Richmann

Other Interested Parties

Dave King
Erik Knight
Dave Trueman

Representing

U.S. Bureau of Reclamation
Water Development
Southern Ute Tribe
Water Development
Jicarilla Apache Nation
State of New Mexico
State of New Mexico
Water Development
Navajo Nation
Keller-Bliesner Engineering (Bureau
of Indian Affairs)
Keller-Bliesner Engineering (Bureau
of Indian Affairs)
Southern Ute Indian Tribe
U.S. Bureau of Reclamation

Representing

Program Support Assistant
U.S. Fish and Wildlife Service, NM
Ecological Services

U.S. Bureau of Reclamation
U.S. Bureau of Reclamation
U.S. Bureau of Reclamation

INTRODUCTIONS, REVIEW AND APPROVAL OF AGENDA

Agenda was reviewed and approved.

HYDROLOGIC DETERMINATION

Dave Truman from the Bureau of Reclamation's Regional Office gave an update on the Hydrologic Determination that is currently being developed in compliance with Section

11 of P.L. 87-483, the Act that authorized the construction of NIIP and San Juan-Chama.

REVIEW OF MINUTES FOR FEBRUARY 7, 2006

Minutes approved with minor edits; ready to post on website.

REVIEW OF ACTION ITEM LOG

Changes have been noted on attached action log.

BUDGET REPORT

- Pat Page reported that while the Budget and Expenditures under Task 1 (Revisions to flow recommendations) shows an increase in expenditures from the last update no work has actually been done – the expenditures represent a reimbursement to Keller-Bliesner for work previously conducted.

STATUS REPORT

- Dave King reported that after the last meeting Ray Alvarado, State of Colorado wanted to review the return flows with respect to the San Juan Farmington gage. Ray looked at by-passing more of the water, and in doing that the gage balance was better. Dave indicated they had to do the same to be in sync with StateMod. Navajo Gallup information was incorporated into the model. After this was done it was discovered that some of the data information from 2003-2004 of the San Juan gages except Bluff was missing, this has since been incorporated.
- The lawn acreage and golf courses acreages information provided by NM help improve the Animas acreage.

UPDATE ON REVISED FLOW RECOMMENDATIONS

- Dave King reported that he will be meeting with Keller-Bliesner to review the revised model and data and to discuss implementation of the revised flow recommendations. A presentation to the Hydrology Committee (HC) on the status of this work will be made at the June 13, 2006 meeting.

HYDROLOGIC CONDITIONS

Navajo Reservoir – John Simmons reported

- Forecast has increased to 395,000 af, (50%) of average, after a low of 32% for the March 1st forecast. This volume closely matches the Feb 1st forecast of 53%.
- Based on the current forecast the minimum spring peak release, 7 days at 5000 cfs will occur this year.
- By the end of September the reservoir is projected to be around 1,406,000 af or 106% of average.

Releases

- Currently the release rate from Navajo Reservoir is 350 cfs.

Other items of discussion:

- Pat informed the HC that a conference call was held with FWS, BOR, and representatives from the Biology Committee to discuss the spring peak releases. The discussion was held because even though the March 1st forecast was predicting a 32% of average inflow, the decision tree at that time was still calling for a peak release. With the above average precipitation the basin had in March, the concern of making a spring peak release in a 2002-like year has

since subsided and the reservoir is predicted to be above average content at the end of the year, even with a spring peak release. It was felt that it was still important to have this discussion to keep everyone informed.

- Pat announced that the Operations meeting has been changed to April 25, 2006, 1:00 pm, Farmington City Council Chambers, located by the airport.

NEW PROJECTS

- The Final EIS on Navajo Dam Operation is still on schedule with a ROD scheduled for June 2006.

2006 MEETING/CONFERENCE CALL SCHEDULE

The following meeting/conference call dates were selected

- June 13 –Meeting in Farmington, NM @ Farmington Civic Center, 9 am–3 pm
- September 12 –Meeting in Farmington, NM @ Farmington Civic Center, 9 am-3 pm
- December 12 – Conference Call, 9 am - Noon

ACTION ITEMS

- **NONE**

MEETING ADJOURNED AT 10:00 AM

HYDROLOGY COMMITTEE ACTION ITEM LOG
(Updated April 11, 2006)

	<i>Action Item</i>	<i>Meeting/ Origination Date</i>	<i>Responsible Party</i>	<i>Due Date</i>	<i>Revised Date</i>	<i>Date Completed</i>
4	Add model runs and other information to the permanent hydrology website: http://uc.usbr.gov	7/25/01	Erik Knight	Ongoing		
5	Model modification briefings.	7/25/01	Reclamation and Keller-Bliesner	Ongoing		
12	Any new data or methods incorporated into RiverWare or State Mod will be shared with the Hydrology Committee.	7/25/01	Keller-Bliesner and Reclamation	Ongoing		
34	Gage error analysis discussion: the Hydrology Committee still needs to determine whether big losses are due to daily deaggregation. The Committee has the option to re-evaluate losses once the 3 rd Generation model is complete. HC decided to live with gage error.	11/27/01	Pat Page need to have a discussion with USGS	Ongoing	Postponed until StateMod analysis is completed	
105	USGS agreed to give a presentation annually to the Hydrology Committee regarding the effectiveness of the gage readings.	8/5/03	USGS	June 13, 2006	Annually	
136	Coordinate documentation for depletion differences for Gen 2 & Gen 3	5-18-04	Ron Bliesner & Dave King	03-01-06		
139	Committee will report any new projects which will be coming up.	5-18-04	Hydrology Committee	Ongoing		

HYDROLOGY COMMITTEE ACTION ITEM LOG
(Updated April 11, 2006)

	<i>Action Item</i>	<i>Meeting/ Origination Date</i>	<i>Responsible Party</i>	<i>Due Date</i>	<i>Revised Date</i>	<i>Date Completed</i>
140	Follow-up on (USGS) gage at Archuleta right-of-way AGENDA ITEM at June meeting	5-18-04	Pat Page	06-15-06		06-15-06
141	Budget Report to include foot notes with explanation of expenditures.	11-9-05	Pat Page, Dave King and (HC comments)	Ongoing		

Modeling Budget and Expenditures for FY 2006

2/2/2006

Task	Description	Budget	Expended	Balance	% Expended	% Completed
1	Develop, test, and implement new flow recommendations.	\$ 138,563	\$ 22,248	\$ 116,315	16%	16%
2	Maintain data.	\$ 13,320	\$ 1,296	\$ 12,024	10%	9%
3	Maintain model.	\$ 11,184	\$ 1,296	\$ 9,888	12%	12%
4	Maintain software associated with model and data.	\$ 4,992	\$ 1,296	\$ 3,696	26%	26%
5	Model operations for Hydrology Committee and new projects.	\$ 17,800	\$ -	\$ 17,800	0%	0%
6	Program management and coordination.	\$ 5,592	\$ 2,869	\$ 2,723	51%	51%
7	Technical transfer.	\$ 6,192	\$ -	\$ 6,192	0%	0%
Other	O&M Travel, RiverWare, etc	\$ 8,610	\$ 3,046	\$ 5,564	35%	35%
Total to date		\$ 206,253	\$ 32,051	\$ 174,202	16%	15%

Budget Notes

1. Task 1 budget includes FY 2005-2006 funds since it is a carryover task. All other tasks are FY2006 funds only.
2. FY2006 portion of Task 1 is \$43,560, which includes the \$15,000 carried over from FY2005

Status of Task Activities - 2/2/2006

Task	Description	Task Activities
1	Develop, test, and implement new flow recommendations.	Minimal activity in FY06 to date. Some analysis completed in FY2005. We anticipate commencing work on the revised flow recommendations the first week of March.
2	Maintain data.	Commenced updating of climate and Reclamation data through 2004. Obtained New Mexico lawn and golf course acres and commenced incorporation of these data. Incorporation of New Mexico lawn and golf course acreages was not anticipated. However, this needs to be done to improve the natural flow computations and gage balances.
3	Maintain model.	Completed updating of RiverWare models through 2003 and analyzed output of monthly models; in particular, San Juan Chama. The technical team proposes to update both the data and models through 2004 before commencing work on the revised flow recommendations.
4	Maintain software associated with model and data.	Updated TSTool software and database (Colorado data thru 2004). Updated HEC DSS VUE software.
5	Model operations for Hydrology Committee and new projects.	No activity in FY 2006 to date.
6	Program management and coordination.	Modeler prepared budget updates and participated in meetings.
7	Technical transfer.	No activity in FY 2006 to date.