Draft Memorandum

To: URGWOM Technical Team Members

Date: June 17, 2024

Subject: Notes of the June 11, 2024 URGWOM Technical Team Meeting

These notes summarize the items discussed during the June 11, 2024 meeting of the Upper Rio Grande Water Operations Model (URGWOM) Technical Team. The meeting began at 10:00 am (MST) and was conducted as a virtual meeting hosted by the Corps of Engineers using Webex. All those participating in the meeting introduced themselves and their names and affiliations are listed on the last page of these meeting notes.

The June, 2024 meeting agenda includes general updates on ongoing URGWOM related activities from the NM Interstate Stream Commission, the Corps of Engineers, the Bureau of Reclamation, and their contractors, an update on the DSS URGWOM database, plans for an updated riparian vegetation ET loss computation in the Middle Rio Grande and a discussion of the Technical Team Summer 2024 field trip.

Prakash reported on behalf of the Corps that he has been working on developing, along with Reclamation, the CADSWES work order tasks for the upcoming fiscal year. The Albuquerque District will be sharing administration and use of the product of some of the proposed tasks to be included in the work order with the Ft. Worth District.

Cindy reported on behalf of the NMISC on ongoing URGWOM related work efforts with the assistance of Hydros Consulting including:

* Work on the reconciliation of travel time lag differences between the operation model and the accounting model in the San Marcial to Elephant Butte reach;
* Re-computation of the riparian vegetation loss rates in the middle valley to account for the carry-over of effective precipitation;
* Review of San Juan-Chama Project loss rates in rivers and reservoirs, including review of gains of San Juan-Chama Project water from precipitation falling on the reservoirs, if any;
* Planning for the acquisition of new Lidar data of the river channel from Heron Reservoir to Cochiti for use in developing HEC-RAS models.

Carolyn suggested that the NMISC consider a scoping meeting to discuss the development of the current San Juan-Chama Pojrect loss rate accounting methods and how the reliability of the loss rates might be improved.

Hydros will be working on an updated computation of the riparian loss rates in the middle valley to account for the carry-over of effective precipitation from one day to the next. The current method does not account for excess effective precipitation. The Keller Bliesner Engineering EffPrecip software will be used to account for the carryover of the effective precipitation to determine the riparian loss rates (ET). Miller is available to assist with this and will discuss work tasks with Nick and Brian separately.

Nick reported on the Hydros efforts to update ethe URGWOM database in most cases through 2023 He presented hydrographs of flow demonstrating some of the updates including:

* Filling in missing data and correcting data for streams and canals;
* Updated the Rio Grande local inflow for reaches in Colorado using updated ditch diversion records;
* Update of local inflows in the Lower Rio Grande for 1950-2021. This effort is complex due to the relatively large number of agencies that must be contacted to compile data;
* Prepared a new script for running only the Colorado historical model for use in developing local inflows in Colorado.

Nick has transmitted these data to Lucas and Prakash for the review and the DSS files will be uploaded to the URGWOM SharePoint site later this month. Tasks yet to be completed include updating local inflow for 2021-23 for reaches on the Rio Chama and the mainstem in New Mexico above Otowi.

Miller summarized the updated itinerary for the July 8-9, 2024 URGWOM Tech Team field trip of the features of the San Juan-Chama Project and other stops in the Chama, NM area. Stops to the gage at La Puente and a review of construction related activities at El Vado Dam have been removed from the itinerary. Miller will circulate the updated itinerary. The trip includes an over-night stay in Chama and a block of rooms has been set aside at the Vista del Rio Lodge for Team member participants. Team members interested in participating should contact Miller for organizational purposes. The field trip will also take the place of the July Technical Team meeting.

Lucas reported on the following URGWOM updates:

* Upgrade date setting capabilities to allow the model to open at the most recently used time step;
* For use in distribution of AOP information to the public, Reclamation will not be presenting the 30% and 70% exceedance level lines in the forecast hydrographs, to reduce confusion about the forecast values.

The next meeting of the Technical Team will the July 8, 2024 in Chama, NM.

There being no additional matters to be brought before the Team, the meeting was adjourned at about 10:45 am.

ATTENDANCE LIST

URGWOM TECHNICAL TEAM MEETING

June 11, 2024

