

Draft Memorandum

To: URGWOM Technical Team Members
Date: August 9, 2023
Subject: Notes of the August 8, 2023 URGWOM Technical Team Meeting

These notes summarize the items discussed during the August 8, 2023 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 affiliation are listed on the last page of these meeting notes.

The August, 2023 meeting agenda includes an update on the ET Toolbox from Reclamation, a report on the proposed September, 2023 URGWOM Tech Team inspection trip, recent RiverWare enhancements, miscellaneous proposed changes to URGWOM and general updates on ongoing URGWOM related activities from the NM Interstate Stream Commission, the Corps of Engineers, the Bureau of Reclamation, and their contractors.

Lucas reported that the information on the web page formerly know as the ET Toolbox now includes only MRGCD flow data and no longer includes current or projected ET data. Going forward the web page will be known as the Water Management Toolbox. In the future, the ET data for this web page will be provided by OPEN ET and hosted by the MRGCD. The OPEN ET values are based on satellite data but this particular application will focus on URGWOM areas. Reclamation will provide an update on this feature at a future Technical Team meeting.

Prakash reported that the Corps Albuquerque District had no items to bring before the Technical Team at this meeting.

Cindy reported that the NMISC (with aid from Hydros Consulting) is planning on utilizing URGWOM to test the impact of groundwater development on NM Rio Grande Compact deliveries into Elephant Butte Reservoir. The NMISC will also be evaluating other miscellaneous enhancements to URGWOM. The NMISC will update the Technical Team on these matters as the work progresses.

Miller reported on provisional details of the September 12, 2023 URGWOM Technical Team field inspection trip of features in the Jemez River Basin. The trip includes visits to two features in the Basin that are included in URGWOM; the streamgage Jemez River nr. Jemez and the Jemez Canyon Dam. The Team will also visit the features that are located between these two sites including the Jemez Pueblo diversion dam, the Zia Pueblo diversion dam and Zia Lake. The planned itinerary calls for the Team to rendezvous at the Sandoval County / NM 550 Rail Runner train station at 9:00 am. The group will travel to each site in a single vehicle (bus). Each individual will be responsible for their own lunch. The Team will return to the Rail Runner station at about

4:00 pm. Those interested in participating in the trip should contact Miller and let him know so that appropriate transportation can be arranged.

Under other matters, Lucas and Faith reported on a matter related to an initialization rule added during the deep aquifer object implementation. Lucas reported that the initialization rule #19 does not appear to link M&I pumping to a slot and that pumping is subtracted from recharge, not groundwater in storage; Reclamation is seeking direction from Hydros or CADSWES as to whether this is the appropriate method to employ in the Rio Grande Basin Study. Nick responded that the pump flow slot was already connected to agricultural pumping, which slot cannot accommodate both agricultural and M&I pumping. The work around was to link the M&I pumping to the recharge - pumping object. Faith also identified another question about the lack of data in the DSS database for the *DailyModeledGroundwaterRecharge* object. Nick reported that he will look into this matter and report back to the Team.

Nick also reported that documentation for the deep aquifer object implementation and the expansion of the Lower Rio Grande portion of the model is being prepared and will be added to the existing model documentation by the end of September, 2023.

David reported that the RiverWare users group meeting is scheduled for August 29-30, 2023, and he invited interested individuals to participate in person or attend the meeting virtually.

The next meeting of the Technical Team will be the September 12, 2023 field trip of the Jemez River Basin. The next regular monthly meeting of the Technical Team will be held October 10, 2023 beginning at 10:00 am.

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

August 8, 2023

<u>NAME</u>	<u>REPRESENTING</u>
George Schuman	USACE, Albuquerque District
William Miller	Southwest Water Design/USACE Contractor
Lucas Barrett	Bureau of Reclamation
Cindy Stokes	NM Interstate Stream Commission
Jagadeesh KC Simma	NM Interstate Stream Commission
Huidae Cho	NM State University
Carolyn Donnelly	Bureau of Reclamation
Genevieve Allen	Bureau of Reclamation
Walt Kuhn	Tetra Tech/USACE Contractor
Prakash Kaini	USACE, Albuquerque District
Reynalden Delgarito	USACE, Albuquerque District
Brian Westfall	Keller Bliesner Engineering / BIA contractor
Anne Marken	Middle Rio Grande Conservancy District
Jerry Melendez	Bureau of Reclamation
Faith Kuria	Bureau of Reclamation
Shannon Weld	NM Interstate Stream Commission
David Neumann	CADSWES
Nick Mander	Hydros Consulting
John Carron	Hydros Consulting
Yining Bai	NM Interstate Stream Commission
Laurel Lacher	GeoSystems Analysis, Inc.