

Draft Memorandum

To: URGWOM Technical Team Members
Date: August 15, 2022
Subject: Notes of the August 9, 2022 URGWOM Technical Team Meeting

These notes summarize the items discussed during the August 9, 2022 meeting of the Upper Rio Grande Water Operations Model (URGWOM) Technical Team. The meeting began at 9:00 am and was conducted as an on-line collaboration 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.

This month's meeting agenda includes a report on the NM Interstate Stream Commission Middle Valley land use classification, a discussion about the proposed itinerary of the next Technical Team field trip, an update on the addition of the deep groundwater objects into the model, updates to the URGWOM SharePoint Site and general updates on ongoing URGWOM related activities from the NM Interstate Stream Commission, the Corps of Engineers, the Bureau of Reclamation, the U. S. Geological Survey and their contractors

Marc reported on the following model related items that the Corps of Engineers have been working on:

- Development of the URGWOM real time model, including an analysis of the National Weather Forecast runoff versus the observed runoff; and
- Running URGWOM model simulations of changes in Abiquiu Reservoir operation for use in updating the Abiquiu Reservoir Water Control Manual.

Cindy reported on the NMISC Middle Rio Grande land use classification study performed using 2020 NAIOP aerial imagery. This classification utilized the same method as used by NMISC in the 2015 classification study. The results of the 2020 classification show that the amount of irrigated acreage declined about 9% from the 2015 level. Riparian areas have also been included in this classification which have not been updated since 2013. These data have been prepared by URGWOM reach and groundwater object. The 2020 classification includes groundwater objects below San Marcial, which have not been classified previously. The fallow lands classification does not distinguish between lands that are potentially irrigated from those lands permanently lost to production. These data will be used in the update of the crop consumptive use for the 2020-2021 period.

Miller presented a proposed Technical Team field trip itinerary. The planned field trip would be a day trip to the El Vado Dam area and include an inspection of the rehabilitation construction work at El Vado and an inspection of the El Vado Dam outlet works and hydroelectric plant. The itinerary would also include stops at the USGS stream gages Rio Chama below El Vado

Dam and Rio Chama near La Puente. The date of the inspection would be September 13, 2022, the normal date of regular Technical Team meetings. Miller will circulate the proposed itinerary to the Technical Team for their review.

Nick reported to the Team on the status of the implementation of the deep groundwater objects into URGWOM. This work includes updating the database through 2021 so that the completed model could be calibrated through 2021. After the model is updated, recent model changes developed by the Corps and Reclamation will be incorporated into the model. Cindy will provide the results of the Middle Rio Grande land use classification necessary for updating the crop reference ET and effective precipitation (for 2020-2021) for use in the model. Nick also reported that the irrigated and riparian area acreage data are not included in the data base but instead are included in the *MRGHistoricalAgArea* and *MRGHistoricalRiparianArea* data objects in URGWOM. Nick and Marc will also continue to work on “cleaning-up” the database .dss file.

Bill Miller and Lucas discussed the review and cataloging of the pre-2017 Technical Team files currently residing on the myUSGS web page for possible transfer to the URGWOM SharePoint site. The Team discussed the status of the files and which files should be retained. For example, only the final end-of-year Accounting Models need to be retained; all of the interim models do not need to be transferred. Additional files that do not need to be retained include the Colorado portion of URGWOM models, database files, and the URGSiM model files. Files that should be retained include Technical Team meeting notes and presentations, local inflow computations, Memoranda summarizing miscellaneous Technical Team investigations (including database development), GIS files, salinity models and related meeting files and reports and the internal documentation of rule development and updates. Lucas encouraged the Team to review the pre-2017 files on the myUSGS web page to review which Technical Team files should be retained and which are no longer required.

David N. reported that he will have a demonstration of RiverWare updates that CADSWES has been working on at the next Technical Team meeting. He also reported that CADSWES will be presenting on RiverWare model runs at the Federal Interagency Sedimentation and Hydrologic Modeling Conference to be held in St. Louis Missouri on May 8-12, 2023. Kyle informed the Team that he is one of the Conference organizers and that he will be presenting at the conference as well.

The next meeting of the Technical Team is scheduled for September 13, 2022. The Team meeting may be a field inspection

There being no additional matters to be brought before the Team, the meeting was adjourned at about 9:45 am.

ATTENDANCE LIST
URGWOM TECHNICAL TEAM MEETING
August 9, 2022

<u>NAME</u>	<u>REPRESENTING</u>
Marc Sidlow	USACE, Albuquerque District
Prakash Kaini	USACE, Albuquerque District
Reynalden Delgarito	USACE, Albuquerque District
William Miller	Southwest Water Design/USACE Contractor
Dave Moeser	US Geological Survey
Cindy Stokes	NM Interstate Stream Commission
Breana Chavez	Tetra Tech/USACE Contractor
Walt Kuhn	Tetra Tech/USACE Contractor
Kyle Shour	Tetra Tech/USACE Contractor
Lucas Barrett	Bureau of Reclamation
Jerry Melendez	Bureau of Reclamation
Brian Westfall	Keller Bliesner / BIA Contractor
David Neumann	CADSWES
Nick Mander	Hydros Consulting
Diane Agnew	Albuquerque Bernalillo County Water Utility Authority
Steve Schultz	City of Santa Fe
Ashenafi Madebo	Colorado Division of Water Resources