

**RIO GRANDE CANALIZATION PROJECT**  
**WATER BUDGET STUDY**  
**Final Report**

**Appendix A - Data Assembly List**

Table A-1: RGCP Water Budget Study Data Assembly Master List

Item	Source	Responsible Party	Author	Date Received	Date Published	Publication Information (for Report References)	Reason or Water Budget Study Component	Key Points/Summary
Report and Models related to USACE FLO-2D and HEC-RAS hydraulic models of RGCP	USIBWC	USIBWC	Riada Engineering and Tt	7/24/2012	2005-2009			Received models - no reports
2010 (2011) LIDAR data	USIBWC	USIBWC	USIBWC	7/23/2012	2011			
Precipitation and Gage Data along the RGCP		USIBWC						
Data from stakeholders and public agencies		USIBWC						
Analysis of River Conveyance Efficiency for Initial Release of Project Water for Delivery to Acequia Madre Canal in 2012	USIBWC	USIBWC	Rio Grande Project (RGP) Allocation Committee	7/31/2012	3/29/2012	Rio Grande Project (RGP) Allocation Committee	Diversion data	Give several details about diversions and efficiency of delivery
LIDAR Data	USIBWC	USIBWC	USIBWC	7/23/2012				Sent data to Tucson
Orthoimagery	USIBWC	USIBWC	USIBWC	7/23/2012				Sent data to Tucson
Tracing of Water Movement in the Unsaturated Zone Using Stable Isotopes of Hydrogen and Oxygen, Barnes and Allison (1988)	USIBWC	USIBWC	Barnes and Allison	7/31/2012	1988	Barnes, C.J., Allison, G.B., Journal of Hydrology 100 (1988) 143-176	Vadose Zone Evaporation	
Stable Isotopes in Soil and Water Particles, Allison, G.B.	USIBWC	USIBWC	Allison	7/31/2012			Vadose Zone Evaporation	
Record of Decision - River Management Alternatives for the Rio Grande Canalization Project	USIBWC	USIBWC	USIBWC	7/31/2012	4-Jun-09	Same as title	FLO-2D report	This is the ROD from the FLO-2D restoration project
Development of Riverware Model of the Rio Grande for Water Resources Management in the Paso Del Norte Watershed	USIBWC	USACE	Sheng et., al.	11/7/2012	October, 2012	Provided by USIBWC	Reference Information	URGWOM (Riverware Model) for Upper Rio Grande
USIBWC Rio Grande Canalization Project River Restoration Depths to Groundwater at Restoration Sites	USIBWC	USIBWC	TRC	11/15/2012	October, 2010	Provided by USIBWC	Reference Information	Groundwater depth information
RGCP Conceptual Restoration Plan Report	USIBWC	Tetra Tech	USACE with Tt/MEI and Riada Engineering	8/6/2012	12/8/2008	Conceptual Restoration Plan and Cumulative Effects Analysis, Rio Grande-Caballo Dam to American Dam, New Mexico and Texas		
USIBWC River Gage Data	USIBWC	Tetra Tech	USIBWC	9/10/2012	2000-2012	From USIBWC website	River data	Used historic data to add to gage data on the river
USGS River Gage Data	USGS	Tetra Tech	USGS	9/10/2012	2010-2012	From USGS website	River data	River data for Caballo releases only. USBR data had intermittent values - USGS had continual data
USGS Seepage Investigations	USGS	Tetra Tech	USGS	9/10/2012	1988-2007	USGS Rio Grande Basin - Rio Grande Seepage Investigations, 1988-2007	channel seepage components	
USGS Monitoring Well Data	USGS	Tetra Tech	USGS	9/10/2012	1984-2011	USGS Monitoring Well Data	GW Data	
NRCS - Dona Ana County Physical Parameters	NRCS	Tetra Tech	NRCS	9/7/2012	2012	NRCS Website	channel seepage components	
Elephant Butte and Caballo Reservoir Evaporation Data	Reclamation	Reclamation	Reclamation	8/8/2012	2010-2012		Evaporation	Received this data from USBR via USIBWC
Caballo Dam Flow Release Data	Reclamation	Reclamation	Reclamation	8/8/2012	2010-2012		Input data	Received this data from USBR via USIBWC
River Diversion Data	Reclamation	Reclamation	Reclamation	8/8/2012	2010-2012		Input data	Received this data from USBR via USIBWC
EBID Dams Data	EBID	USIBWC	EBID	8/15/2012	2010-2012	From EBID website	From EBID website	
EBID Flumes Data	EBID	USIBWC	EBID	8/15/2012	2010-2012	From EBID website	From EBID website	
EBID Heading Data	EBID	USIBWC	EBID	9/18/2012	2010-2012	From EBID website	From EBID website	
EBID Lateral Data	EBID	USIBWC	EBID	9/5/2012	2010-2012	From EBID website	From EBID website	
EBID Spillways Data	EBID	USIBWC	EBID	9/5/2012	2010-2012	From EBID website	From EBID website	
EBID Irrigation Well Data	EBID	USIBWC	EBID	8/24/2012	2010-2012	From EBID website	Pumping Data	
EBID Turnout Data	EBID	USIBWC	EBID	8/24/2012	2010-2012	From EBID website	From EBID website	
EBID Drain Data	EBID	USIBWC	EBID	8/24/2012	2010-2012	From EBID website	Irrigation Return Flow	
EBID Check Data	EBID	USIBWC	EBID	9/9/2012				
EBID Monitoring Well Data	EBID	Tetra Tech	EBID	8/24/2012	2010-2012	From EBID website	GW Data	Evaluate Distance between the water table and the river bed
EBID River Data	EBID	Tetra Tech	EBID	8/24/2012	2010-2012	From EBID website	River data	
EPCWID Average Values (2012)	EPCWID no. 1	EPCWID	EPCWID no. 1	11/28/2012	Unknown	Provided by Dr. Al Blair via USIBWC	Input data	Received this data from EPCWID via USIBWC (August, 2012 data only)
New Mexico Pumping Data	NMSEO	USIBWC	NMSEO	9/5/2012	2010-2012	NMSEO Pumping Information	Pumping Data	
2012 Release and Hypothetical Release Hydrographs	USIBWC	NM WAC	NM WAC	12/5/2012	Unknown	NM Water Allocation Committee	Hydraulic Modeling	Caballo Releases. March 31-September 14th 2012 and 2- hypothetical Scenarios (S1 & S2)
Lower Rio Grande MODFLOW model and reports	NMSEO	USIBWC	Papadopoulos/NMSEO	9/5/2012	2007	Groundwater Flow Model for Administration and Management in the Lower Rio Grande Basin - Draft	ET, floodplain recharge, irrigation recharge, gw recharge	
American Canal, Below American Dam, El Paso	USIBWC	USIBWC	USIBWC	1/15/2013	2010-2012	USIBWC	Diversion data	
Haskell Street and Northwest WWTP Effluent Data	Dofia Ana County Utilities	EPCWID	EPCWID no. 1	11/28/2012	Unknown	Provided by Dr. Al Blair via USIBWC	Effluent River Return Flow	Received this data from EPCWID via USIBWC (2012 data only)
Dofia Ana County WWTP Discharges	Dofia Ana County Utilities	Tetra Tech	Dofia Ana County Utilities	8/7/2012	2012 Average data	Discussions with County Staff - Kurt Moffat	Effluent River Return Flow	Discussions with County staff. Indicated average daily effluent flows into River.
Dofia Ana County NPDES Permitted Discharges	Tetra Tech	New Mexico Environment Department	New Mexico Environment Department	1/29/2013	Vary	From New Mexico Environment Department Website	Effluent Flow	
Rio Grande Project Operations Manual	Riada Engineering	Tetra Tech	Reclamation	9/10/2012	1/12/2010	Rio Grande Project - Operations Manual	gage data	gage data and diversion allotment information
EBID Canal and Drain System Figure	Riada Engineering	Tetra Tech	EBID	9/4/2012	Unknown	EBID system figure	drain and irrigation return location	
RGP Water Supply Allocation Procedures Example	Riada Engineering	Tetra Tech	Reclamation	8/15/2012	11/14/2006	WSAP example		
RGCP and Rectifications Projects Figure	Riada Engineering	Tetra Tech	USIBWC	9/4/2012	Unknown	RGCP figure		
RGCP Channel Maintenance Analysis	World Wildlife Fund	Tetra Tech	Riada Engineering	8/6/2012	6-Jan-09	RGCP Channel Maintenance Analysis		
Estimating Evaporation From Elephant Butte Reservoir with the Monin-Obukhov Similarity Theory Using Simple Instrumentation	Web Download	Tetra Tech	Mareno, J.M. and A.S. Bawazir	7/19/2012	30-Sep-08	Department of Civil Engineering, New Mexico State University, Las Cruces, New Mexico, September 30, 2008	Evaporation	