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INTRODUCTION TO VOLUME 2 2011 BEAR RIVER BASIN PLAN UPDATE TECHNICAL MEMORANDA OCTOBER, 2011

This document is intended as an introduction to the volume of technical memoranda produced as part of the 2011 Bear River Basin Plan Update (2011 Update). A summarized listing of all available technical memoranda is provided, including those related to the original 2001 Bear River Basin Plan.

The original Bear River Basin Plan (previous Basin Plan) was completed in 2001. More information on the 2001 plan can be found at <http://waterplan.state.wy.us>. The 2011 Update was conducted by a team of professionals with the Wyoming Water Development Office, the Wyoming State Engineer's Office, and the University of Wyoming, Water Resources Data System (WRDS). The update is not intended to totally replace the previous Basin Plan or the supporting Technical Memoranda, but will provide updated information and make recommendations for collection of additional information and data to appropriately keep the plan current.

Technical memoranda from the previous Basin Plan that had substantive changes were updated and revised. As in the previous Basin Plan, the technical memorandums developed for the plan update are organized by Tabs. There are eleven "Tabs" associated with ten revised technical memoranda that have been reissued for the 2011 Bear River Basin Plan Update:

- Surface Water Data Collection & Study Period Selection.....*Tab: I (2011)*
- Diversion Summary*Tab: II (2011)*
- Crop Consumptive Use.....*Tab: III (2011)*
- Storage Summary.....*Tab: IV (2011)*
- Groundwater Resources Investigation.....*Tab: V (2011)*
- Spreadsheet Model Development*Tab: VI (2011)*
- Use of Bear River Spreadsheet Model.....*Tab: VII (2011)*
- Surface Water Calibration.....*Tab: VIII (2011)*
- Available Surface Water Determination.....*Tab: IX (2011)*
- Climate.....*Tab: X (2011)*
- Reservoir Evaporation*Tab: XI (2011)*

Summary of All Technical Memorandums

Table 1 lists all technical memorandums that are associated with the 2001 and 2011 Bear River Basin Plans. Technical memoranda that have been reissued as part of the 2011 Update are indicated in blue. For cross-referencing purposes, organizational Tabs for both the 2001 and 2011 memos are shown.

For tech memos not reissued as part of the 2011 Update, the reader can refer to the original versions that were produced as part of the previous Basin Plan. Note that some sections of the plan update were completed without changing or updating the corresponding 2001 technical memorandum. For instance, if a revised method of data evaluation was used in the update, the methodology is explained in the text of the main report. The selected methodologies are generally simple and easily explained.

Table 1: Summary of All Technical Memorandums for the Bear River Basin Plans

Title	2011 Tab	Corresponding 2001 Tab
Surface Water Data Collection & Study Period Selection	I (2011)	C
Diversion Operation	II (2011)	D
Crop Consumptive Use	III (2011)	G
Storage Summaries	IV (2011)	I
Groundwater Resources	V (2011)	O
Spreadsheet Model Development	VI (2011)	P
Use of Bear River Spreadsheet Model	VII (2011)	P
Surface Water Calibration	VIII (2011)	P
Available Surface Water Determination	IX (2011)	P
Climate	X (2011)	--
Reservoir Evaporation	XI (2011)	--
Municipal Water Use - Town of Cokeville	<i>Updated in Report₁</i>	J
Municipal Water Use - Town of Evanston	<i>Updated in Report₁</i>	J
Environmental Water Use	<i>Updated in Report₁</i>	L
Recreational Water Use	<i>Updated in Report₁</i>	M
Surface Water Quality	<i>Updated in Report₁</i>	N
Wyoming Water Law Summary	<i>Not Updated</i>	A
Amended Bear River Compact	<i>Not Updated</i>	B
Irrigated Lands Mapping	<i>Not Updated</i>	E
Water Rights Permits GIS Development	<i>Not Updated</i>	F
Efficiencies & Return Flow Patterns	<i>Not Updated</i>	H
Industrial Water Use	<i>Not Updated</i>	K
Historic & Current Economic & Demographic Conditions	<i>Not Updated</i>	Q
Future Economic & Demographic Scenarios	<i>Not Updated</i>	Q
Future Water Demand Projections	<i>Not Updated</i>	Q
Future Recreational Demands	<i>Not Updated</i>	Q

1. Updates to portions of the original 2001 tech memo are addressed in the main report.