
MEMORANDUM

Subject: **Bear River Basin Plan**
 Key Structures and Diversions
 B.Q. DAM

Date: August 7, 2000

Diversion Description: The B.Q. Dam serves as the diversion structure for the B.Q. Slough (West) Ditch, the B.Q. East Ditch, the B.Q. McFarland Ditch, and the Weston Ranch Pumps. The dam structure consists of steel piling with boards to control the height. There are no control gates on any of the diversions.



Downstream side of B.Q. Dam structure



*Upstream side of B.Q. dam (looking east) -
Weston Ranch Pump facility can be seen at
the back near the east bank*

Diversion Location: The B.Q. Dam is located on the Bear River upstream of the Pixley Dam. The B.Q. diversions are regulated as part of the Upper Division of the Bear River Compact. See location map hereafter.

Latitude N 41° 51' 46.2"
Longitude W 111° 00' 33.0"

Conveyance Description: Open channel canal and pressure pipe (Weston Pumps).¹

Direct Flow Water Rights:²

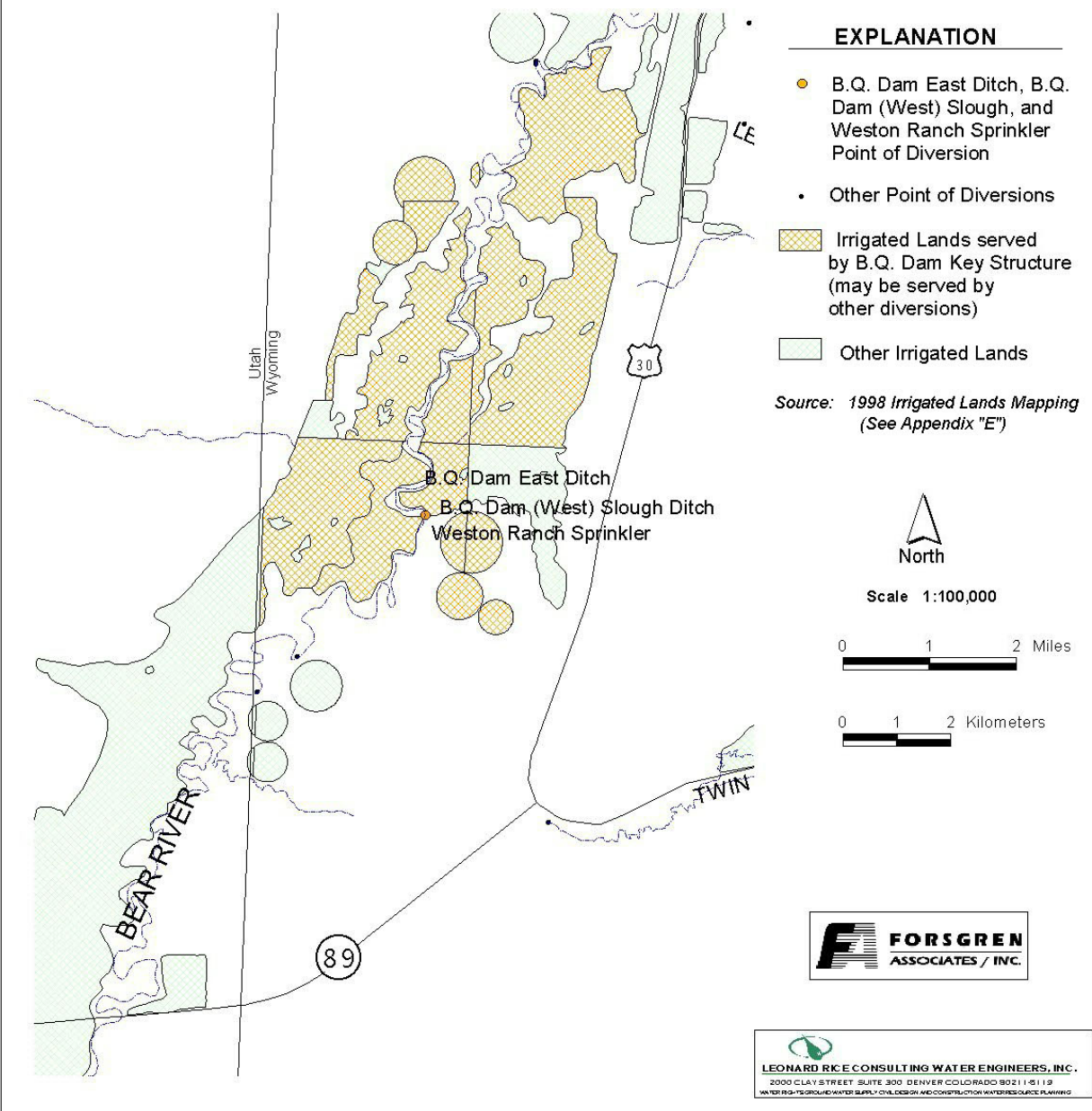
Priority Date	Permit Number	Permitted Use	Permitted Acres	Flow (CFS)	Cumulative (CFS)	Comments
B.Q. DAM SLOUGH (WEST)						
04-01-1883	TERR	Irrigation	2005	28.64	28.64	
09-04-1992	7151E	Irrigation	34.13	.49	29.13	
09-04-1992	7152E	Irrigation	156.22	2.23	31.36	
B.Q. DAM EAST						
05-00-1878	TERR	Irrigation	2480	35.42	35.42	
McFARLAND						
06-12-1901	3264	Irrigation	80	1.14	1.14	
06-12-1901	3254	Irrigation	40	0.57	1.71	
06-12-1901	3264	Irrigation	240	3.42	5.13	
WESTON RANCH PUMPS						
06-12-1998	32304	Irrigation	410.5	5.86	5.86	<i>Pivots 1 & 2</i>

Associated Wyoming Storage Rights:

Reservoir	Shareholder	Volume/Shares (Acre-ft)	Comments
Woodruff Narrows	Lloyd & LaRee Cornia	219	<i>BQ Dam Slough (West)</i>
Woodruff Narrows	Fred Allen Feller	334	<i>BQ Dam Slough (West)</i>
Woodruff Narrows	A. Blain Hoffman	164	<i>BQ Dam Slough (West)</i>
Woodruff Narrows	Lanny K. Putnam	219	<i>BQ Dam Slough (West)</i>
Woodruff Narrows	Roland & Linda Willis	125	<i>BQ Dam Slough (West)</i>
Woodruff Narrows	Ben & Dale Weston	685	<i>Weston Pumps</i>
Woodruff Narrows	Kay Thornock	393	
Woodruff Narrows	Russell Thornock	765	
Woodruff Narrows	Roland & Linda Willis	737	<i>BQ Dam Slough (West)</i>

Irrigation Practices: Land is primarily flood irrigated. The Weston pump facility feeds center-pivot sprinklers.³

B.Q. Dam East Ditch, B.Q. Dam (West) Slough, and Weston Ranch Sprinkler Point of Diversions Location Map



Crop Types / Consumptive Use: Water is primarily used to irrigate meadow grasses. The Weston pivots are used to irrigate alfalfa, oats, and barley (crops are rotated).³

Other Operational Information: The B.Q. diversions are typically not regulated due to their relatively close upstream proximity to the Pixley dam. (The Bear River Compact does not require that water pass the Pixley Dam for the Upper Division to the Lower Division.) The BQ irrigators typically pull the dam about July 10th to dry up meadows.

References:

- 1) *USDA -Soil Conservation Service Economic Research Service-Forest Service in Cooperation with the States of Idaho, Utah, Wyoming, Irrigation Conveyance Systems, Working Paper for the Bear River Basin Type IV Study, Idaho-Utah-Wyoming, April 1976*
- 2) *Water rights summary obtained from State Engineer Interstate Reglist – revised April 14, 1999*
- 3) *Irrigation practices based on field investigation and interview with Mr. Kevin Wilde, Water Superintendent – November 30, 1999.*
- 4) *State of Utah Natural Resources, Water Budget Studies – Utah, Bear River study Area, September 1994*