
MEMORANDUM

Subject: **Bear River Basin Plan**
 Key Structures and Diversions
 PIXLEY DAM

Date: August 7, 2000

Diversion Description: The Pixley Dam is a significant reference structure in the Bear River Compact. Water passing over the Pixley dam is divided between Wyoming (43%) and Idaho (57%).

The Pixley Dam diverts water to two canals, the Pixley Irrigation East and Pixley Irrigation West respectively. The structure consists of concrete piers in the river with wood decking. Wood planks are used to control the river water level and hence the rate of diversion. There are no canal gates.



Downstream view of Pixley Dam

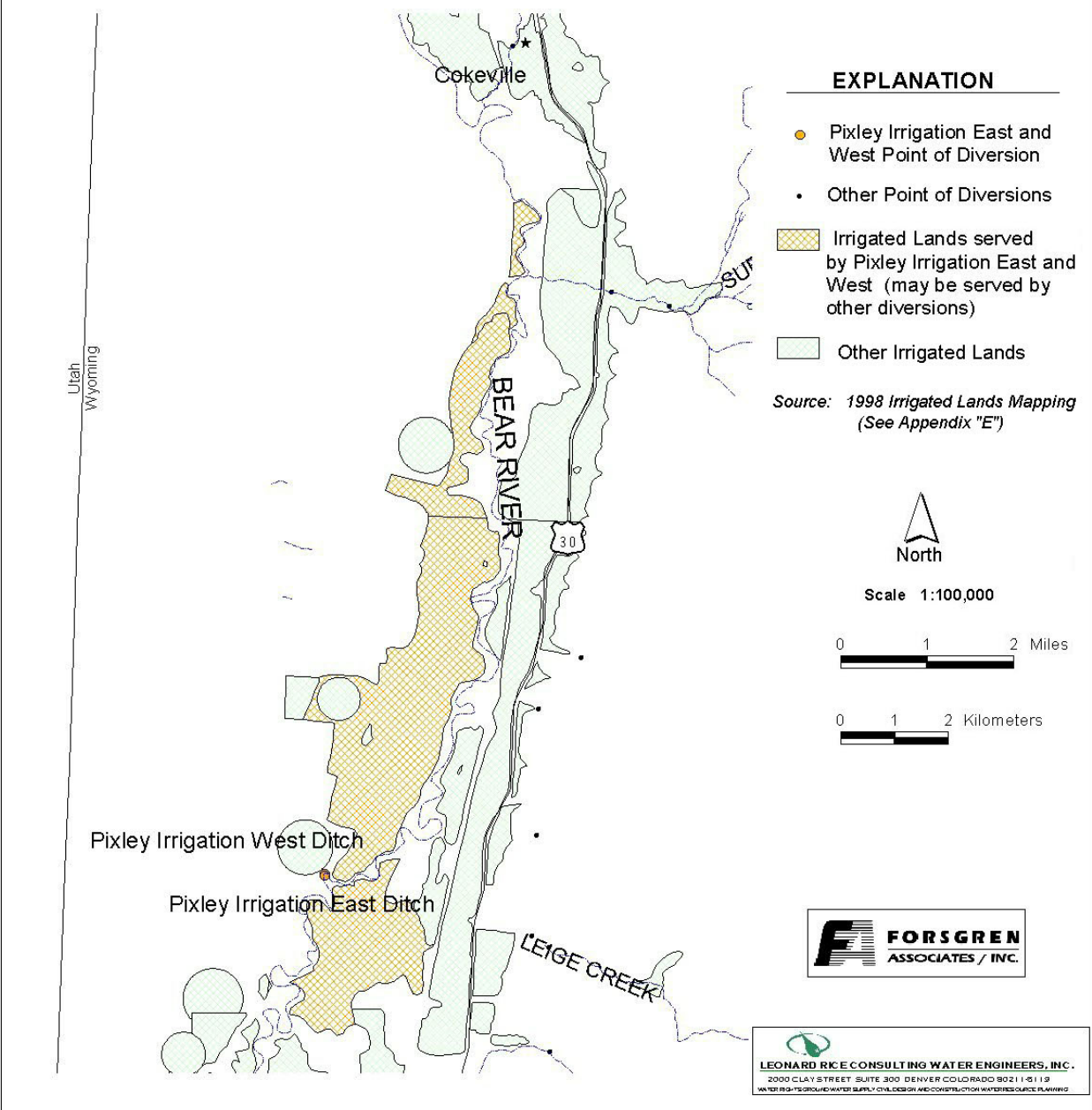


Upstream view of Pixley Dam

Diversion Location: The Pixley Dam is located on the Bear River. This dam is the dividing point between the Upper and Central Divisions as defined by the Bear River Compact. See location map hereafter.

Latitude N 41° 56' 21.0"
Longitude W 110° 59' 21.3"

Pixley Irrigation East and West Point of Diversions Location Map



Conveyance Description: Open channel conveyances.

Direct Flow Water Rights:²

Priority Date	Permit Number	Permitted Use	Permitted Acres	Flow (CFS)	Cumulative (CFS)	Comments
PIXLEY IRRIGATION (EAST)						
-1880	TERR	Irrigation	1255	17.92	17.92	
PIXLEY IRRIGATION (WEST)						
-1880	TERR	Irrigation	886	12.65	12.65	
-1881	TERR	Irrigation	798	11.4	24.05	
10-17-1882	TERR	Irrigation	315	4.50	28.55	
08-03-1907	1761E	Irrigation	6	0.08	28.93	
04-24-1930	5718E	Irrigation	206.2	2.95	31.58	
04-24-1930	5719E	Irrigation	436.74	6.24	37.82	

Associated Wyoming Storage Rights:

Reservoir	Shareholder	Volume/Shares (Acre-ft)	Comments
Woodruff Narrows	Buckley Brothers	107	
Woodruff Narrows	Madyon Gooding	284	
Woodruff Narrows	Margaret McKinnon	172	
Woodruff Narrows	Lynn & Willa McKinnon	262	
Woodruff Narrows	Evan & Dottie Pope	969	
Woodruff Narrows	Thompson Land & Livestock	625	

Irrigation Practices: Lands are primarily flood irrigated.³

Crop Types / Consumptive Use: Water is primarily used to irrigate meadow grasses.³

Other Operational Information: The Pixley diversions are not regulated due to their unique association with the Pixley dam as a defining structure of the Bear River Compact. (The Compact does not require flows through the Pixley Dam from the Upper Division to the Lower Division.)

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 Hydrographer-Commissioner – November 30, 1999.*
- 4) *State of Utah Natural Resources, Water Budget Studies – Utah, Bear River Study Area, September 1994*