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**MEMORANDUM**

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**Subject: Bear River Basin Plan  
Summary of Key Structures and Diversions**

**Date: August 7, 2000**

**Introduction:** For the purposes of basin modeling, diversion records and other data has been gathered for key diversion structures within the basin. For the purposes of this study, “key” diversions were generally defined as those typically diverting at least 10 CFS or those structures having other regulatory or operational significance within the basin. The remaining smaller diversions were modeled on a cumulative basis within each reach of the surface water model. A listing of the key diversion structures with approximate locations is as follows.

**Key Diversion Structures:**

<u>Upper Wyoming Diversion</u>	<u>Latitude</u>	<u>Longitude</u>
Hilliard East Fork	N 40° 54' 12.5"	W 110° 48' 53.3"
Lannon & Lone Mountain	N 40° 59' 16.1"	W 110° 51' 46.1"
Hilliard West Side	N 40° 59' 45.3"	W 110° 52' 10.3"
Bear Canal	N 40° 59' 56.3"	W 110° 52' 23.9"
Crown	N 41° 00' 53.2"	W 110° 53' 13.7"
and Pine Grove	N 41° 00' 57.7"	W 110° 53' 07.0"
McGraw (and Big Bend)	N 41° 01' 06.4"	W 110° 53' 18.2"
Lewis	N 41° 03' 15.5"	W 110° 55' 45.3"
Myers No. 2	N 41° 04' 10.0"	W 110° 55' 37.6"
Evanston Pipeline		
Myers No. 1	N 41° 07' 47.9"	W 110° 53' 02.8"
Myers Irrigation	N 41° 08' 57.0"	W 110° 52' 47.0"
Booth	N 41° 09' 26.9"	W 110° 52' 55.2"
Anel	N 41° 10' 09.4"	W 110° 52' 38.1"
Evanston Water Supply		
Evanston Water Ditch	N 41° 13' 09.3"	W 110° 53' 54.3"
Rocky Mtn & Blyth	N 41° 15' 86.1"	W 110° 56' 28.7"
John Sims	N 41° 17' 42.5"	W 110° 59' 19.6"
S.P. (Ramsey)	N 41° 18' 04.2"	W 111° 00' 29.6"
Chapman Canal	N 41° 19' 68.7"	W 111° 00' 56.6"
Morris Brothers Irrigation (Lower)	N 41° 21' 35.6"	W 111° 00' 54.4"
Tunnel	N 41° 23' 42.2"	W 111° 00' 68.9"

Francis Lee	N 41° 31' 19.5"	W 111° 01' 38.3"
Bear River Canal	N 41° 31' 31.4"	W 111° 01' 80.5"

### **Lower Wyoming Diversions**

Goodell ( <i>on Pine Creek</i> )	N 42° 06' 11.5"	W 110° 55' 45.3"
V.H. Canal ( <i>on Pine Creek</i> )	N 42° 06' 10.4"	W 110° 51' 05.0"
Quinn Bourne ( <i>on Smiths Fork</i> )	N 42° 21' 04.8"	W 110° 52' 18.4"
Button Flat ( <i>on Smiths Fork</i> )	N 42° 16' 40.4"	W 110° 52' 05.4"
Emelle ( <i>on Smiths Fork</i> )	N 42° 11' 30.5"	W 110° 52' 43.8"
Cooper ( <i>on Smiths Fork</i> )	N 42° 09' 37.5"	W 110° 53' 30.1"
Covey ( <i>on Smiths Fork</i> )	N 42° 07' 19.6"	W 110° 54' 08.3"
Covey ( <i>at Bruner Creek</i> )		
Covey ( <i>on Spring Creek</i> )		
Whites Water ( <i>on Smiths Fork</i> )	N 42° 05' 52.2"	W 110° 56' 14.5"
South Branch Irrigating	N 42° 05' 38.7"	W 110° 57' 43.9"
Alonzo F. Sights	N 42° 08' 06.8"	W 110° 58' 21.5"
Oscar E. Snyder	N 42° 08' 24.8"	W 110° 58' 46.5"
Cook Brothers	N 42° 10' 23.7"	W 111° 01' 38.0"

### **Other Wyoming Key Structures**

B.Q. Dam	N 41° 51' 46.2"	W 111° 00' 33.0"
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*(Incorporates B.Q. West, B.Q. East, B.Q. McFarland, and Weston Pumps)*

Pixley Dam	N 41° 56' 21.0"	W 110° 59' 21.3"
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*(The Pixley Dam is a Primary Compact Control Structure – 57% of water passing Pixley is allocated to Idaho, and 43% to Wyoming. The Pixley structure diverts water to the Pixley East and West canals located immediately upstream).*

Tri-Diversion Structure	N 42° 05' 41.2"	W 110° 56' 41.6"
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*(The Tri-Diversion is a flood control structure rather than a diversion structure.)*

**Diversion Locations:** Schematic mapping of all Wyoming diversions (including smaller “non-key” diversions) is shown in Figures 1 through 4 on the following pages. Approximate latitude and longitude coordinates are listed above. Detailed location mapping, including associated irrigated acreage is found with individual diversion memorandums hereafter.

**Detailed Diversion Data:** Detailed information relative to each of key diversion is provided in individual memorandums hereafter.