

***APPENDIX C***

***BEAR RIVER WET YEAR MODEL OUTPUT***

BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS

**Bear River Planning Model: Central Navigation Worksheet**  
**Wet Year Condition**

Select a reach to view:

Reach 7

View a Diagram of  
the Basin

Go to this Reach

Select an Input Table:

Options Tables

View List of All Nodes

Diversion Data

Evaporative Losses

Reach Gain/Loss

Return Flows

USGS Gage Data

Imports & Exports

Results Options

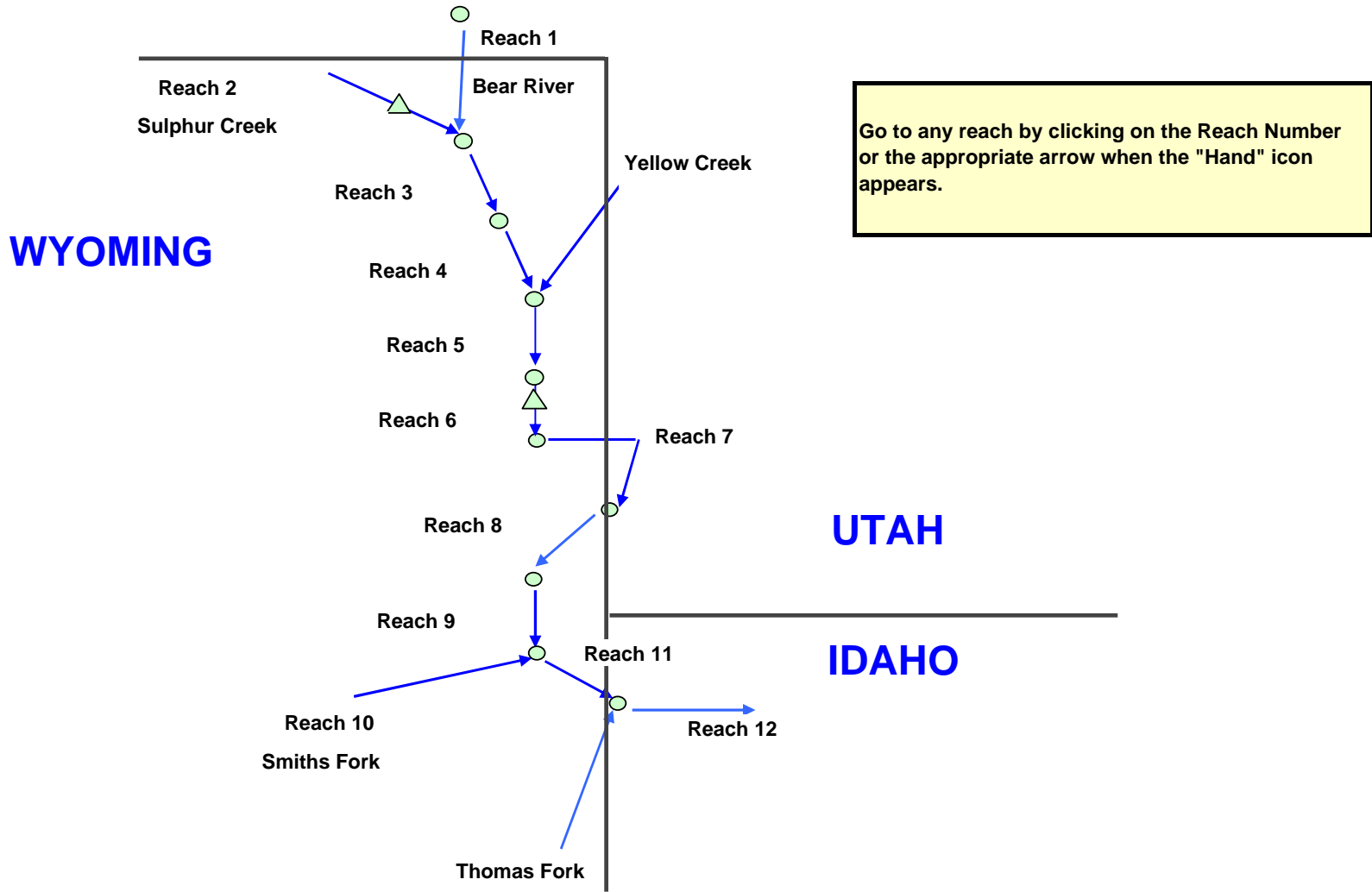
This reach is defined as:

Reach 7: USGS Gage 10020300 ( Bear River below Woodruff Narrows Reservoir) to USGS Gage 10026500 (Bear River near Randolph, UT)

It contains the following Nodes:

Node 7.00 USGS 10020300: Bear R. bel res. nr Woodruff, UT  
Node 7.01 Francis Lee  
Node 7.02 Bear River Canal  
Node 7.03 Aggregate Utah Diversions  
Node 7.04 Partial Returns from Aggregate Utah Diversions

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**



**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Master List of Node Numbers and their Names**

Node 1.00	USGS 10011500: Bear River near UT-WY State Line
Node 1.01	Lannon & Lone Mountain
Node 1.02	Hilliard West Side
Node 1.03	Bear Canal
Node 1.04	Crown & Pine Grove
Node 1.05	McGraw & Big Bend
Node 1.06	Lewis
Node 1.07	Meyers No. 2
Node 1.08	Meyers No. 1
Node 1.09	Meyers Irrigation
Node 1.10	Evanston Pipeline
Node 1.11	Booth
Node 1.12	Anel
Node 1.13	Evanston Water Supply
Node 1.15	AggDiv BR-1
Node 1.18	Confluence Mill Cr.
Node 2.00	USGS 10015700: Sulphur Cr. ab Res.BI.La Chapelle Cr.Nr.Evanston,WY
Node 2.01	AggDiv SC-1/Broadbent
Node 2.02	Sulphur Creek Reservoir
Node 2.03	AggDiv SC-2
Node 3.00	Confluence Sulphur Creek / Bear River
Node 3.01	Evanston Water Ditch
Node 3.02	Rocky Mtn & Blyth
Node 4.00	USGS 10016900: Bear R. at Evanston, WY
Node 4.01	John Simms
Node 4.02	S P Ramsey
Node 4.03	AggDiv BR-2
Node 5.00	Confluence Yellow Creek / Bear River
Node 5.01	Chapman Canal
Node 5.02	Morris Bros (Lower)

**BEAR RIVER SPREADSHEET MODEL  
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Node 5.03	AggDiv BR-3
Node 5.04	Tunnel
Node 6.00	USGS 10020100: Bear R. ab res. nr Woodruff, UT
Node 6.01	Woodruff Narrows Reservoir
Node 7.00	USGS 10020300: Bear R. bel res. nr Woodruff, UT
Node 7.01	Francis Lee
Node 7.02	Bear River Canal
Node 7.03	Aggregate Utah Diversions
Node 7.04	Partial Returns from Aggregate Utah Diversions
Node 8.00	USGS 10026500: Bear R. nr Randolph, UT
Node 8.01	Pixley Dam
Node 8.02	BQ Dam
Node 9.00	USGS 10028500: Bear R. bel Pixley Dam, near Cokeville, WY
Node 9.01	Confluence Smiths Fork / Bear
Node 9.02	AggDiv BR-4
Node 10.01	USGS 10032000: Smiths Fork nr Border, WY
Node 10.02	Button Flat
Node 10.03	Emelle
Node 10.04	Cooper
Node 10.05	Covey
Node 10.06	VH Canal
Node 10.07	Goodell
Node 10.08	Whites Water
Node 10.09	S Branch Irrigating
Node 10.10	AggDiv SF-1
Node 11.00	USGS 10038000: Bear R. bel Smiths Fork, nr Cokeville, WY
Node 11.01	AggDiv BR-5
Node 11.02	Alonzo F. Sights
Node 11.03	Oscar E. Snyder
Node 11.04	Cook Brothers
Node 12.00	USGS 10039500: Bear R. at Border, WY

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Node 12.01 Confluence Thomas Fork  
Node 12.02 Aggregate Idaho Diversions  
Node 12.03 Rainbow Inlet  
Node 12.04 Stewart Dam

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**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Return to Start

HELP with  
NODE Tables

Reach 2

[Reach 1: Wyoming/Utah Stateline to Confluence with Sulphur Creek](#)

**Node 1.00 USGS 10011500: Bear River near UT-WY State Line**

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.00 Gage Inflow	3,490	2,928	3,933	5,895	39,968	90,965	42,370	10,855	9,580	7,183	5,090	4,435
Node 1.00 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
Reach 1, 2 & Ungaged Gains	2,658	5,544	13,793	16,931	37,951	23,551	0	2,942	2,174	2,154	3,267	2,477
Node 1.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.00 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>77,918</b>	<b>114,516</b>	<b>42,370</b>	<b>13,797</b>	<b>11,754</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.00 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.00 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.00 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>77,918</b>	<b>114,516</b>	<b>42,370</b>	<b>13,797</b>	<b>11,754</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>

**Node 1.01 Lannon & Lone Mountain**

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.01 Node Inflow	6,148	8,472	17,725	22,826	77,918	114,516	42,370	13,797	11,754	9,336	8,357	6,912
Node 1.01 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.01 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>77,918</b>	<b>114,516</b>	<b>42,370</b>	<b>13,797</b>	<b>11,754</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.01 Diversions	0	0	0	0	419	918	893	476	348	0	0	0
<b>Total Node 1.01 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>419</b>	<b>918</b>	<b>893</b>	<b>476</b>	<b>348</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.01 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>77,500</b>	<b>113,598</b>	<b>41,477</b>	<b>13,321</b>	<b>11,407</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>

**Node 1.02 Hilliard West Side**

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.02 Node Inflow	6,148	8,472	17,725	22,826	77,500	113,598	41,477	13,321	11,407	9,336	8,357	6,912
Node 1.02 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.02 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>77,500</b>	<b>113,598</b>	<b>41,477</b>	<b>13,321</b>	<b>11,407</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.02 Diversions	0	0	0	0	383	1,054	1,161	812	439	0	0	0
<b>Total Node 1.02 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>383</b>	<b>1,054</b>	<b>1,161</b>	<b>812</b>	<b>439</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.02 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>77,117</b>	<b>112,544</b>	<b>40,316</b>	<b>12,509</b>	<b>10,968</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>

**BEAR RIVER SPREADSHEET MODEL  
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**Node 1.03 Bear Canal**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.03 Node Inflow	6,148	8,472	17,725	22,826	77,117	112,544	40,316	12,509	10,968	9,336	8,357	6,912
Node 1.03 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.03 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.03 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>77,117</b>	<b>112,544</b>	<b>40,316</b>	<b>12,509</b>	<b>10,968</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.03 Diversions	0	0	0	0	525	2,044	3,560	1,161	1,142	0	0	0
<b>Total Node 1.03 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>525</b>	<b>2,044</b>	<b>3,560</b>	<b>1,161</b>	<b>1,142</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.03 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,592</b>	<b>110,500</b>	<b>36,755</b>	<b>11,348</b>	<b>9,825</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>

**Node 1.04 Crown & Pine Grove**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.04 Node Inflow	6,148	8,472	17,725	22,826	76,592	110,500	36,755	11,348	9,825	9,336	8,357	6,912
Node 1.04 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.04 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.04 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,592</b>	<b>110,500</b>	<b>36,755</b>	<b>11,348</b>	<b>9,825</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.04 Diversions	0	0	0	0	463	1,675	1,524	673	196	0	0	0
<b>Total Node 1.04 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>463</b>	<b>1,675</b>	<b>1,524</b>	<b>673</b>	<b>196</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.04 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,128</b>	<b>108,825</b>	<b>35,231</b>	<b>10,675</b>	<b>9,629</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>

**Node 1.05 McGraw & Big Bend**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.05 Node Inflow	6,148	8,472	17,725	22,826	76,128	108,825	35,231	10,675	9,629	9,336	8,357	6,912
Node 1.05 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.05 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.05 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,128</b>	<b>108,825</b>	<b>35,231</b>	<b>10,675</b>	<b>9,629</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.05 Diversions	0	0	0	0	305	1,767	1,377	811	756	0	0	0
<b>Total Node 1.05 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>305</b>	<b>1,767</b>	<b>1,377</b>	<b>811</b>	<b>756</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.05 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>75,824</b>	<b>107,058</b>	<b>33,855</b>	<b>9,864</b>	<b>8,873</b>	<b>9,336</b>	<b>8,357</b>	<b>6,912</b>



**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 1.06 Lewis**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.06 Node Inflow	6,148	8,472	17,725	22,826	75,824	107,058	33,855	9,864	8,873	9,336	8,357	6,912
Node 1.06 Irrigation Returns	0	0	0	0	256	1,266	1,374	1,030	774	238	79	8
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.06 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.06 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,079</b>	<b>108,324</b>	<b>35,229</b>	<b>10,894</b>	<b>9,647</b>	<b>9,574</b>	<b>8,436</b>	<b>6,920</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.06 Diversions	0	0	0	0	161	353	414	355	182	0	0	0
<b>Total Node 1.06 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>161</b>	<b>353</b>	<b>414</b>	<b>355</b>	<b>182</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.06 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>75,918</b>	<b>107,971</b>	<b>34,815</b>	<b>10,539</b>	<b>9,466</b>	<b>9,574</b>	<b>8,436</b>	<b>6,920</b>

**Node 1.07 Meyers No. 2**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.07 Node Inflow	6,148	8,472	17,725	22,826	75,918	107,971	34,815	10,539	9,466	9,574	8,436	6,920
Node 1.07 Irrigation Returns	0	0	0	0	118	462	529	344	155	39	7	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.07 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.07 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,036</b>	<b>108,433</b>	<b>35,343</b>	<b>10,884</b>	<b>9,620</b>	<b>9,613</b>	<b>8,443</b>	<b>6,920</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.07 Diversions	0	0	0	0	15	91	357	380	169	0	0	0
<b>Total Node 1.07 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>91</b>	<b>357</b>	<b>380</b>	<b>169</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.07 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,022</b>	<b>108,342</b>	<b>34,986</b>	<b>10,503</b>	<b>9,452</b>	<b>9,613</b>	<b>8,443</b>	<b>6,920</b>

**Node 1.18 Confluence Mill Cr.**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.18 Node Inflow	6,148	8,472	17,725	22,826	76,022	108,342	34,986	10,503	9,452	9,613	8,443	6,920
Node 1.18 Irrigation Returns	0	0	0	0	169	527	652	509	350	149	56	18
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.18 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.18 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,191</b>	<b>108,869</b>	<b>35,639</b>	<b>11,012</b>	<b>9,802</b>	<b>9,763</b>	<b>8,499</b>	<b>6,939</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.18 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.18 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.18 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,191</b>	<b>108,869</b>	<b>35,639</b>	<b>11,012</b>	<b>9,802</b>	<b>9,763</b>	<b>8,499</b>	<b>6,939</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 1.08 Meyers No. 1**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.08 Node Inflow	6,148	8,472	17,725	22,826	76,191	108,869	35,639	11,012	9,802	9,763	8,499	6,939
Node 1.08 Irrigation Returns	0	0	0	0	86	244	460	510	335	103	25	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.08 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.08 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,277</b>	<b>109,113</b>	<b>36,099</b>	<b>11,522</b>	<b>10,137</b>	<b>9,865</b>	<b>8,524</b>	<b>6,939</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.08 Diversions	0	0	0	0	19	30	305	278	73	0	0	0
<b>Total Node 1.08 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>30</b>	<b>305</b>	<b>278</b>	<b>73</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.08 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,258</b>	<b>109,083</b>	<b>35,793</b>	<b>11,244</b>	<b>10,064</b>	<b>9,865</b>	<b>8,524</b>	<b>6,939</b>

**Node 1.09 Meyers Irrigation**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.09 Node Inflow	6,148	8,472	17,725	22,826	76,258	109,083	35,793	11,244	10,064	9,865	8,524	6,939
Node 1.09 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.09 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.09 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,258</b>	<b>109,083</b>	<b>35,793</b>	<b>11,244</b>	<b>10,064</b>	<b>9,865</b>	<b>8,524</b>	<b>6,939</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.09 Diversions	0	0	0	0	0	143	319	225	28	0	0	0
<b>Total Node 1.09 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>143</b>	<b>319</b>	<b>225</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.09 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,258</b>	<b>108,941</b>	<b>35,475</b>	<b>11,019</b>	<b>10,036</b>	<b>9,865</b>	<b>8,524</b>	<b>6,939</b>

**Node 1.10 Evanston Pipeline**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.10 Node Inflow	6,148	8,472	17,725	22,826	76,258	108,941	35,475	11,019	10,036	9,865	8,524	6,939
Node 1.10 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.10 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.10 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>76,258</b>	<b>108,941</b>	<b>35,475</b>	<b>11,019</b>	<b>10,036</b>	<b>9,865</b>	<b>8,524</b>	<b>6,939</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.10 Diversions	0	0	0	0	342	519	719	652	464	0	0	0
<b>Total Node 1.10 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>342</b>	<b>519</b>	<b>719</b>	<b>652</b>	<b>464</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.10 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>75,917</b>	<b>108,422</b>	<b>34,756</b>	<b>10,367</b>	<b>9,572</b>	<b>9,865</b>	<b>8,524</b>	<b>6,939</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 1.11 Booth**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.11 Node Inflow	6,148	8,472	17,725	22,826	75,917	108,422	34,756	10,367	9,572	9,865	8,524	6,939
Node 1.11 Irrigation Returns	0	0	0	0	5	9	81	94	50	15	3	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.11 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.11 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>75,921</b>	<b>108,431</b>	<b>34,837</b>	<b>10,461</b>	<b>9,622</b>	<b>9,881</b>	<b>8,527</b>	<b>6,939</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.11 Diversions	0	0	0	0	202	693	951	567	407	0	0	0
<b>Total Node 1.11 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>202</b>	<b>693</b>	<b>951</b>	<b>567</b>	<b>407</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.11 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>75,720</b>	<b>107,738</b>	<b>33,886</b>	<b>9,894</b>	<b>9,215</b>	<b>9,881</b>	<b>8,527</b>	<b>6,939</b>

**Node 1.12 Anel**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.12 Node Inflow	6,148	8,472	17,725	22,826	75,720	107,738	33,886	9,894	9,215	9,881	8,527	6,939
Node 1.12 Irrigation Returns	0	0	0	0	0	70	176	165	67	20	2	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.12 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.12 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>75,720</b>	<b>107,808</b>	<b>34,062</b>	<b>10,059</b>	<b>9,283</b>	<b>9,900</b>	<b>8,529</b>	<b>6,939</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.12 Diversions	0	0	0	0	153	235	405	77	202	0	0	0
<b>Total Node 1.12 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>153</b>	<b>235</b>	<b>405</b>	<b>77</b>	<b>202</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.12 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>75,567</b>	<b>107,573</b>	<b>33,657</b>	<b>9,982</b>	<b>9,081</b>	<b>9,900</b>	<b>8,529</b>	<b>6,939</b>

**Node 1.13 Evanston Water Supply**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.13 Node Inflow	6,148	8,472	17,725	22,826	75,567	107,573	33,657	9,982	9,081	9,900	8,529	6,939
Node 1.13 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.13 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.13 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>75,567</b>	<b>107,573</b>	<b>33,657</b>	<b>9,982</b>	<b>9,081</b>	<b>9,900</b>	<b>8,529</b>	<b>6,939</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.13 Diversions	0	0	0	0	64	87	130	165	106	0	0	0
<b>Total Node 1.13 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>64</b>	<b>87</b>	<b>130</b>	<b>165</b>	<b>106</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 1.13 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>75,503</b>	<b>107,486</b>	<b>33,528</b>	<b>9,817</b>	<b>8,975</b>	<b>9,900</b>	<b>8,529</b>	<b>6,939</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 1.15 AggDiv BR-1**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 1.15 Node Inflow	6,148	8,472	17,725	22,826	75,503	107,486	33,528	9,817	8,975	9,900	8,529	6,939
Node 1.15 Irrigation Returns	0	0	0	0	75	137	242	111	138	34	14	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.15 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 1.15 Inflow</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>75,578</b>	<b>107,623</b>	<b>33,770</b>	<b>9,928</b>	<b>9,113</b>	<b>9,934</b>	<b>8,543</b>	<b>6,939</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.15 Diversions	0	0	0	0	145	502	681	308	69	2	0	0
<b>Total Node 1.15 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>145</b>	<b>502</b>	<b>681</b>	<b>308</b>	<b>69</b>	<b>2</b>	<b>0</b>	<b>0</b>
<b>Node 1.15 NET Flow (In - Out)</b>	<b>6,148</b>	<b>8,472</b>	<b>17,725</b>	<b>22,826</b>	<b>75,433</b>	<b>107,121</b>	<b>33,089</b>	<b>9,620</b>	<b>9,045</b>	<b>9,932</b>	<b>8,543</b>	<b>6,939</b>

**END OF REACH 1**

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Return to Start    **Reach 3**    Reach 1

**Reach 2: Sulphur Creek: Inflow to Confluence with Bear River**

<b>Node 2.00 USGS 10015700: Sulphur Cr. ab Res.BI.La Chapelle Cr.Nr.Evanston,WY</b>												
<b>Inflow To This Node</b>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 2.00 Gage Inflow	135	277	833	2,064	6,925	2,586	443	299	237	268	392	277
Node 2.00 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 2.00 Inflow</b>	<b>135</b>	<b>277</b>	<b>833</b>	<b>2,064</b>	<b>6,925</b>	<b>2,586</b>	<b>443</b>	<b>299</b>	<b>237</b>	<b>268</b>	<b>392</b>	<b>277</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.00 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 2.00 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 2.00 NET Flow (In - Out)</b>	<b>135</b>	<b>277</b>	<b>833</b>	<b>2,064</b>	<b>6,925</b>	<b>2,586</b>	<b>443</b>	<b>299</b>	<b>237</b>	<b>268</b>	<b>392</b>	<b>277</b>

**Node 2.01 AggDiv SC-1/Broadbent**

<b>Inflow To This Node</b>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 2.01 Node Inflow	135	277	833	2,064	6,925	2,586	443	299	237	268	392	277
Node 2.01 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.01 Import/Export	0	0	0	0	0	12	12	12	12	0	0	0
<b>Total Node 2.01 Inflow</b>	<b>135</b>	<b>277</b>	<b>833</b>	<b>2,064</b>	<b>6,925</b>	<b>2,598</b>	<b>455</b>	<b>311</b>	<b>249</b>	<b>268</b>	<b>392</b>	<b>277</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.01 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 2.01 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 2.01 NET Flow (In - Out)</b>	<b>135</b>	<b>277</b>	<b>833</b>	<b>2,064</b>	<b>6,925</b>	<b>2,598</b>	<b>455</b>	<b>311</b>	<b>249</b>	<b>268</b>	<b>392</b>	<b>277</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 2.02 Sulphur Creek Reservoir**

**Reservoir Node**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Inflow To This Node</b>												
Node 2.02 Node Inflow	135	277	833	2,064	6,925	2,598	455	311	249	268	392	277
Node 2.02 Irrigation Returns	0	0	0	0	272	1,025	1,812	1,553	1,296	653	249	88
na Ungaged Gains/Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 2.02 Inflow</b>	<b>135</b>	<b>277</b>	<b>833</b>	<b>2,064</b>	<b>7,197</b>	<b>3,624</b>	<b>2,267</b>	<b>1,864</b>	<b>1,546</b>	<b>921</b>	<b>641</b>	<b>365</b>
<b>Outflow from Reservoir</b>												
Node 2.02 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.02 Historic Average Release	368	663	1,133	2,707	6,620	1,897	1,307	2,230	1,813	1,591	218	1,474
Node 2.02 Reservoir Evaporation	59	59	72	97	130	189	219	197	139	85	65	75
<b>Reservoir Node 2.02 Total Outflow</b>	<b>428</b>	<b>722</b>	<b>1,206</b>	<b>2,803</b>	<b>6,750</b>	<b>2,085</b>	<b>1,526</b>	<b>2,427</b>	<b>1,952</b>	<b>1,676</b>	<b>283</b>	<b>1,549</b>
<b>Calculation of Reservoir End-of-Month Contents</b>												
Change in Storage	(292)	(444)	(372)	(740)	447	1,539	741	(563)	(407)	(755)	358	(1,185)
<b>Starting End-of-Month Contents</b>	<b>15,000</b>											
<b>Max Storage Capacity</b>						<b>19,774</b>						
<b>Inactive Storage Pool</b>										<b>486</b>		
EOM Content (w/o max capacity limitation)	14,708	14,263	13,891	13,151	13,598	15,136	15,878	15,315	14,908	14,153	14,511	13,326
Node 2.02 Actual Release	368	663	1,133	2,707	6,620	1,897	1,307	2,230	1,813	1,591	218	1,474
Node 2.02 Spill	0	0	0	0	0	0	0	0	0	0	0	0
<b>Node 2.02 End-of-Month Contents</b>	<b>14,708</b>	<b>14,263</b>	<b>13,891</b>	<b>13,151</b>	<b>13,598</b>	<b>15,136</b>	<b>15,878</b>	<b>15,315</b>	<b>14,908</b>	<b>14,153</b>	<b>14,511</b>	<b>13,326</b>
<b>Node 2.02 NET Flow (In - Out)</b>	<b>368</b>	<b>663</b>	<b>1,133</b>	<b>2,707</b>	<b>6,620</b>	<b>1,897</b>	<b>1,307</b>	<b>2,230</b>	<b>1,813</b>	<b>1,591</b>	<b>218</b>	<b>1,474</b>

**Node 2.03 AggDiv SC-2**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>Inflow To This Node</b>												
Node 2.03 Node Inflow	368	663	1,133	2,707	6,620	1,897	1,307	2,230	1,813	1,591	218	1,474
Node 2.03 Irrigation Returns	0	0	0	0	87	369	820	665	549	270	92	36
Reach 1, 2 Ungaged Gains	82	171	427	524	1,174	728	0	91	67	67	101	77
Node 2.03 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 2.03 Inflow</b>	<b>451</b>	<b>834</b>	<b>1,560</b>	<b>3,230</b>	<b>7,881</b>	<b>2,994</b>	<b>2,128</b>	<b>2,986</b>	<b>2,430</b>	<b>1,928</b>	<b>411</b>	<b>1,586</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.03 Diversions	0	0	0	0	419	1,449	1,966	888	200	7	0	0
<b>Total Node 2.03 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>419</b>	<b>1,449</b>	<b>1,966</b>	<b>888</b>	<b>200</b>	<b>7</b>	<b>0</b>	<b>0</b>
<b>Node 2.03 NET Flow (In - Out)</b>	<b>451</b>	<b>834</b>	<b>1,560</b>	<b>3,230</b>	<b>7,461</b>	<b>1,544</b>	<b>162</b>	<b>2,098</b>	<b>2,230</b>	<b>1,921</b>	<b>411</b>	<b>1,586</b>

**END OF REACH 2**

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Return to Start    **Reach 4**    Reach 2

**Reach 3: Confluence of Bear River / Sulphur Creek to USGS Gage  
10016900 (Bear River at Evanston, WY)**

**Node 3.00 Confluence Sulphur Creek / Bear River**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 3.00 Node Inflow	6,148	8,472	17,725	22,826	75,433	107,121	33,089	9,620	9,045	9,932	8,543	6,939
Node 3.00 Inflow from Sulphur Creek	451	834	1,560	3,230	7,461	1,544	162	2,098	2,230	1,921	411	1,586
Node 3.00 Irrigation Returns	0	0	0	0	261	976	1,517	1,031	457	119	19	1
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 3.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 3.00 Inflow</b>	<b>6,598</b>	<b>9,306</b>	<b>19,285</b>	<b>26,056</b>	<b>83,155</b>	<b>109,641</b>	<b>34,768</b>	<b>12,749</b>	<b>11,731</b>	<b>11,971</b>	<b>8,973</b>	<b>8,525</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 3.00 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 3.00 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 3.00 NET Flow (In - Out)</b>	<b>6,598</b>	<b>9,306</b>	<b>19,285</b>	<b>26,056</b>	<b>83,155</b>	<b>109,641</b>	<b>34,768</b>	<b>12,749</b>	<b>11,731</b>	<b>11,971</b>	<b>8,973</b>	<b>8,525</b>

**Node 3.01 Evanston Water Ditch**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 3.01 Node Inflow	6,598	9,306	19,285	26,056	83,155	109,641	34,768	12,749	11,731	11,971	8,973	8,525
Node 3.01 Irrigation Returns	0	0	0	0	103	384	602	479	360	101	30	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 3.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 3.01 Inflow</b>	<b>6,598</b>	<b>9,306</b>	<b>19,285</b>	<b>26,056</b>	<b>83,258</b>	<b>110,025</b>	<b>35,370</b>	<b>13,228</b>	<b>12,091</b>	<b>12,072</b>	<b>9,003</b>	<b>8,525</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 3.01 Diversions	0	0	0	0	0	356	848	560	118	0	0	0
<b>Total Node 3.01 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>356</b>	<b>848</b>	<b>560</b>	<b>118</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 3.01 NET Flow (In - Out)</b>	<b>6,598</b>	<b>9,306</b>	<b>19,285</b>	<b>26,056</b>	<b>83,258</b>	<b>109,669</b>	<b>34,523</b>	<b>12,668</b>	<b>11,974</b>	<b>12,072</b>	<b>9,003</b>	<b>8,525</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 3.02 Rocky Mtn & Blyth**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 3.02 Node Inflow	6,598	9,306	19,285	26,056	83,258	109,669	34,523	12,668	11,974	12,072	9,003	8,525
Node 3.02 Irrigation Returns	0	0	0	0	16	186	467	437	222	65	11	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 3.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 3.02 Inflow</b>	<b>6,598</b>	<b>9,306</b>	<b>19,285</b>	<b>26,056</b>	<b>83,274</b>	<b>109,855</b>	<b>34,990</b>	<b>13,105</b>	<b>12,196</b>	<b>12,137</b>	<b>9,014</b>	<b>8,525</b>
<b>Outflow From This Node</b>												
Reach 1, 2 i Ungaged Losses	0	0	0	0	0	0	6,388	0	0	0	0	0
Node 3.02 Diversions	0	0	0	0	102	484	886	762	499	0	0	0
<b>Total Node 3.02 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>102</b>	<b>484</b>	<b>7,274</b>	<b>762</b>	<b>499</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 3.02 NET Flow (In - Out)</b>	<b>6,598</b>	<b>9,306</b>	<b>19,285</b>	<b>26,056</b>	<b>83,172</b>	<b>109,371</b>	<b>27,715</b>	<b>12,344</b>	<b>11,697</b>	<b>12,137</b>	<b>9,014</b>	<b>8,525</b>

**END OF REACH 3**



**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 4.00 USGS 10016900: Bear R. at Evanston, WY**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 4.00 Node Inflow	6,598	9,306	19,285	26,056	83,172	109,371	27,715	12,344	11,697	12,137	9,014	8,525
Node 4.00 Irrigation Returns reach 4 & 5 Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.00 Import/Export	558	787	1,632	4,394	18,593	23,212	2,498	627	187	675	668	721
<b>Total Node 4.00 Inflow</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>101,765</b>	<b>132,584</b>	<b>30,213</b>	<b>12,971</b>	<b>11,884</b>	<b>12,812</b>	<b>9,682</b>	<b>9,246</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.00 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 4.00 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 4.00 NET Flow (In - Out)</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>101,765</b>	<b>132,584</b>	<b>30,213</b>	<b>12,971</b>	<b>11,884</b>	<b>12,812</b>	<b>9,682</b>	<b>9,246</b>

**Node 4.01 John Simms**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 4.01 Node Inflow	7,157	10,093	20,917	30,450	101,765	132,584	30,213	12,971	11,884	12,812	9,682	9,246
Node 4.01 Irrigation Returns na Ungaged Gains	0	0	0	0	48	188	368	395	308	93	26	0
Node 4.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 4.01 Inflow</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>101,814</b>	<b>132,771</b>	<b>30,581</b>	<b>13,366</b>	<b>12,192</b>	<b>12,905</b>	<b>9,709</b>	<b>9,246</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.01 Diversions	0	0	0	0	353	695	483	507	352	0	0	0
<b>Total Node 4.01 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>353</b>	<b>695</b>	<b>483</b>	<b>507</b>	<b>352</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 4.01 NET Flow (In - Out)</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>101,461</b>	<b>132,076</b>	<b>30,098</b>	<b>12,858</b>	<b>11,841</b>	<b>12,905</b>	<b>9,709</b>	<b>9,246</b>

**Node 4.02 S P Ramsey**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 4.02 Node Inflow	7,157	10,093	20,917	30,450	101,461	132,076	30,098	12,858	11,841	12,905	9,709	9,246
Node 4.02 Irrigation Returns na Ungaged Gains	0	0	0	0	93	247	304	312	240	73	21	0
Node 4.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 4.02 Inflow</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>101,554</b>	<b>132,324</b>	<b>30,401</b>	<b>13,171</b>	<b>12,081</b>	<b>12,977</b>	<b>9,730</b>	<b>9,246</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.02 Diversions	0	0	0	0	229	686	759	194	142	0	0	0
<b>Total Node 4.02 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>229</b>	<b>686</b>	<b>759</b>	<b>194</b>	<b>142</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 4.02 NET Flow (In - Out)</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>101,325</b>	<b>131,637</b>	<b>29,642</b>	<b>12,977</b>	<b>11,938</b>	<b>12,977</b>	<b>9,730</b>	<b>9,246</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 4.03 AggDiv BR-2**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 4.03 Node Inflow	7,157	10,093	20,917	30,450	101,325	131,637	29,642	12,977	11,938	12,977	9,730	9,246
Node 4.03 Irrigation Returns	0	0	0	0	132	352	392	284	197	55	16	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.03 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 4.03 Inflow</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>101,457</b>	<b>131,989</b>	<b>30,034</b>	<b>13,261</b>	<b>12,136</b>	<b>13,032</b>	<b>9,745</b>	<b>9,246</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.03 Diversions	0	0	0	0	205	708	961	434	99	3	0	0
<b>Total Node 4.03 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>205</b>	<b>708</b>	<b>961</b>	<b>434</b>	<b>99</b>	<b>3</b>	<b>0</b>	<b>0</b>
<b>Node 4.03 NET Flow (In - Out)</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>101,251</b>	<b>131,281</b>	<b>29,074</b>	<b>12,827</b>	<b>12,037</b>	<b>13,029</b>	<b>9,745</b>	<b>9,246</b>

**END OF REACH 4**

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 5.00 Confluence Yellow Creek / Bear River**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 5.00 Node Inflow	7,157	10,093	20,917	30,450	101,251	131,281	29,074	12,827	12,037	13,029	9,745	9,246
Node 5.00 Irrigation Returns	0	0	0	0	137	207	288	261	186	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 5.00 Inflow</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>101,388</b>	<b>131,488</b>	<b>29,361</b>	<b>13,088</b>	<b>12,223</b>	<b>13,029</b>	<b>9,745</b>	<b>9,246</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.00 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 5.00 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 5.00 NET Flow (In - Out)</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>101,388</b>	<b>131,488</b>	<b>29,361</b>	<b>13,088</b>	<b>12,223</b>	<b>13,029</b>	<b>9,745</b>	<b>9,246</b>

**Node 5.01 Chapman Canal**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 5.01 Node Inflow	7,157	10,093	20,917	30,450	101,388	131,488	29,361	13,088	12,223	13,029	9,745	9,246
Node 5.01 Irrigation Returns	0	0	0	0	148	528	779	492	237	59	12	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 5.01 Inflow</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>101,536</b>	<b>132,016</b>	<b>30,140</b>	<b>13,579</b>	<b>12,460</b>	<b>13,087</b>	<b>9,757</b>	<b>9,247</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.01 Diversions	0	0	0	0	1,483	1,623	1,266	321	208	0	0	0
<b>Total Node 5.01 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,483</b>	<b>1,623</b>	<b>1,266</b>	<b>321</b>	<b>208</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 5.01 NET Flow (In - Out)</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>100,053</b>	<b>130,393</b>	<b>28,875</b>	<b>13,258</b>	<b>12,251</b>	<b>13,087</b>	<b>9,757</b>	<b>9,247</b>

**Node 5.02 Morris Bros (Lower)**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 5.02 Node Inflow	7,157	10,093	20,917	30,450	100,053	130,393	28,875	13,258	12,251	13,087	9,757	9,247
Node 5.02 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 5.02 Inflow</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>100,053</b>	<b>130,393</b>	<b>28,875</b>	<b>13,258</b>	<b>12,251</b>	<b>13,087</b>	<b>9,757</b>	<b>9,247</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.02 Diversions	0	0	0	0	743	793	744	65	72	0	0	0
<b>Total Node 5.02 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>743</b>	<b>793</b>	<b>744</b>	<b>65</b>	<b>72</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 5.02 NET Flow (In - Out)</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>99,310</b>	<b>129,600</b>	<b>28,131</b>	<b>13,193</b>	<b>12,179</b>	<b>13,087</b>	<b>9,757</b>	<b>9,247</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 5.03 AggDiv BR-3**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 5.03 Node Inflow	7,157	10,093	20,917	30,450	99,310	129,600	28,131	13,193	12,179	13,087	9,757	9,247
Node 5.03 Irrigation Returns	0	0	0	0	858	1,181	1,137	520	272	58	17	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.03 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 5.03 Inflow</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>100,167</b>	<b>130,781</b>	<b>29,268</b>	<b>13,713</b>	<b>12,452</b>	<b>13,145</b>	<b>9,774</b>	<b>9,247</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.03 Diversions	0	0	0	0	92	319	433	195	43	1	0	0
<b>Total Node 5.03 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>92</b>	<b>319</b>	<b>433</b>	<b>195</b>	<b>43</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>Node 5.03 NET Flow (In - Out)</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>100,075</b>	<b>130,462</b>	<b>28,834</b>	<b>13,518</b>	<b>12,408</b>	<b>13,144</b>	<b>9,774</b>	<b>9,247</b>

**Node 5.04 Tunnel**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 5.04 Node Inflow	7,157	10,093	20,917	30,450	100,075	130,462	28,834	13,518	12,408	13,144	9,774	9,247
Node 5.04 Irrigation Returns	0	0	0	0	43	160	248	168	74	19	3	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.04 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 5.04 Inflow</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>100,118</b>	<b>130,621</b>	<b>29,083</b>	<b>13,686</b>	<b>12,483</b>	<b>13,163</b>	<b>9,777</b>	<b>9,247</b>
<b>Outflow From This Node</b>												
reach 4 & 5 Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.04 Diversions	0	0	0	0	245	1,581	559	210	259	0	0	0
<b>Total Node 5.04 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>245</b>	<b>1,581</b>	<b>559</b>	<b>210</b>	<b>259</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 5.04 NET Flow (In - Out)</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>99,873</b>	<b>129,040</b>	<b>28,523</b>	<b>13,477</b>	<b>12,223</b>	<b>13,163</b>	<b>9,777</b>	<b>9,247</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Reach 6: USGS Gage 10020100 (Bear River above Reservoir, near Woodruff, UT) to USGS Gage 10020300 (Bear River below Reservoir, near Woodruff, UT)**

**Node 6.00 USGS 10020100: Bear R. ab res. nr Woodruff, UT**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 6.00 Node Inflow	7,157	10,093	20,917	30,450	99,873	129,040	28,523	13,477	12,223	13,163	9,777	9,247
Node 6.00 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
Reach 6 Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 6.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 6.00 Inflow</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>99,873</b>	<b>129,040</b>	<b>28,523</b>	<b>13,477</b>	<b>12,223</b>	<b>13,163</b>	<b>9,777</b>	<b>9,247</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 6.00 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 6.00 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 6.00 NET Flow (In - Out)</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>99,873</b>	<b>129,040</b>	<b>28,523</b>	<b>13,477</b>	<b>12,223</b>	<b>13,163</b>	<b>9,777</b>	<b>9,247</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 6.01 Woodruff Narrows Reservoir      Reservoir Node**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 6.01 Node Inflow	7,157	10,093	20,917	30,450	99,873	129,040	28,523	13,477	12,223	13,163	9,777	9,247
Node 6.01 Irrigation Returns	0	0	0	0	343	1,055	806	389	241	56	20	0
na      Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 6.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 6.01 Inflow</b>	<b>7,157</b>	<b>10,093</b>	<b>20,917</b>	<b>30,450</b>	<b>100,216</b>	<b>130,095</b>	<b>29,330</b>	<b>13,866</b>	<b>12,464</b>	<b>13,219</b>	<b>9,796</b>	<b>9,247</b>
<b>Outflow from Reservoir</b>												
Node 6.01 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
Node 6.01 Historic Average Release	5,380	5,070	17,060	28,007	86,843	118,550	32,507	12,770	10,720	12,720	11,997	7,410
Node 6.01 Reservoir Evaporation	201	199	246	329	442	642	743	669	473	289	222	255
<b>Reservoir Node 6.01 Total Outflow</b>	<b>5,581</b>	<b>5,269</b>	<b>17,306</b>	<b>28,335</b>	<b>87,285</b>	<b>119,192</b>	<b>33,250</b>	<b>13,439</b>	<b>11,193</b>	<b>13,009</b>	<b>12,219</b>	<b>7,665</b>
<b>Calculation of Reservoir End-of-Month Contents</b>												
Change in Storage	1,575	4,824	3,611	2,115	12,931	10,903	(3,920)	427	1,271	210	(2,423)	1,581
<b>Starting End-of-Month Contents</b>	<b>42,000</b>	<b>Max Storage Capacity</b>			<b>57,300</b>	<b>Inactive Storage Pool</b>			<b>1,600</b>			
EOM Content (w/o max capacity limitation)	43,575	48,399	52,010	54,125	67,056	68,203	53,380	53,807	55,078	55,288	52,865	54,447
Node 6.01 Actual Release	5,380	5,070	17,060	28,007	86,843	118,550	32,507	12,770	10,720	12,720	11,997	7,410
Node 6.01 Spill	0	0	0	0	9,756	10,903	0	0	0	0	0	0
<b>Node 6.01 End-of-Month Contents</b>	<b>43,575</b>	<b>48,399</b>	<b>52,010</b>	<b>54,125</b>	<b>57,300</b>	<b>57,300</b>	<b>53,380</b>	<b>53,807</b>	<b>55,078</b>	<b>55,288</b>	<b>52,865</b>	<b>54,447</b>
<b>Node 6.01 NET Flow (In - Out)</b>	<b>5,380</b>	<b>5,070</b>	<b>17,060</b>	<b>28,007</b>	<b>96,599</b>	<b>129,453</b>	<b>32,507</b>	<b>12,770</b>	<b>10,720</b>	<b>12,720</b>	<b>11,997</b>	<b>7,410</b>
Measured EOM: Average Dry Year	42,130	49,320	52,390	56,670	62,273	58,430	53,250	51,947	54,207	55,277	54,123	55,453

**END OF REACH 6**

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Reach 7: USGS Gage 10020300 ( Bear River below Reservoir, near Woodruff, UT) to USGS  
Gage 10026500 (Bear River near Randolph, UT)**

Reach 7: USGS Gage 10020300 ( Bear River below Reservoir, near Woodruff, UT) to USGS Gage 10026500 (Bear River near Randolph, UT)

**Node 7.00 USGS 10020300: Bear R. bel res. nr Woodruff, UT**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 7.00 Node Inflow	5,380	5,070	17,060	28,007	96,599	129,453	32,507	12,770	10,720	12,720	11,997	7,410
Node 7.00 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
Reach 7 Ungaged Gains	2,060	5,900	8,840	12,050	28,919	61,496	26,603	3,809	5,299	5,074	5,241	2,970
Node 7.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 7.00 Inflow</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>125,518</b>	<b>190,949</b>	<b>59,110</b>	<b>16,579</b>	<b>16,019</b>	<b>17,794</b>	<b>17,238</b>	<b>10,380</b>
<b>Outflow From This Node</b>												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.00 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 7.00 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 7.00 NET Flow (In - Out)</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>125,518</b>	<b>190,949</b>	<b>59,110</b>	<b>16,579</b>	<b>16,019</b>	<b>17,794</b>	<b>17,238</b>	<b>10,380</b>

**Node 7.03 Aggregate Utah Diversions**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 7.03 Node Inflow	7,440	10,970	25,900	40,057	125,518	190,949	59,110	16,579	16,019	17,794	17,238	10,380
Node 7.03 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.03 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 7.03 Inflow</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>125,518</b>	<b>190,949</b>	<b>59,110</b>	<b>16,579</b>	<b>16,019</b>	<b>17,794</b>	<b>17,238</b>	<b>10,380</b>
<b>Outflow From This Node</b>												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.03 Diversions	0	0	0	0	25,661	65,985	23,764	1,708	1,572	0	0	0
<b>Total Node 7.03 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>25,661</b>	<b>65,985</b>	<b>23,764</b>	<b>1,708</b>	<b>1,572</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 7.03 NET Flow (In - Out)</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>99,857</b>	<b>124,964</b>	<b>35,346</b>	<b>14,871</b>	<b>14,447</b>	<b>17,794</b>	<b>17,238</b>	<b>10,380</b>

**Node 7.01 Francis Lee**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 7.01 Node Inflow	7,440	10,970	25,900	40,057	99,857	124,964	35,346	14,871	14,447	17,794	17,238	10,380
Node 7.01 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 7.01 Inflow</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>99,857</b>	<b>124,964</b>	<b>35,346</b>	<b>14,871</b>	<b>14,447</b>	<b>17,794</b>	<b>17,238</b>	<b>10,380</b>
<b>Outflow From This Node</b>												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.01 Diversions	0	0	0	0	1,091	2,831	1,236	37	301	0	0	0
<b>Total Node 7.01 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,091</b>	<b>2,831</b>	<b>1,236</b>	<b>37</b>	<b>301</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 7.01 NET Flow (In - Out)</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>98,766</b>	<b>122,133</b>	<b>34,110</b>	<b>14,834</b>	<b>14,146</b>	<b>17,794</b>	<b>17,238</b>	<b>10,380</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 7.02 Bear River Canal**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 7.02 Node Inflow	7,440	10,970	25,900	40,057	98,766	122,133	34,110	14,834	14,146	17,794	17,238	10,380
Node 7.02 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 7.02 Inflow</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>98,766</b>	<b>122,133</b>	<b>34,110</b>	<b>14,834</b>	<b>14,146</b>	<b>17,794</b>	<b>17,238</b>	<b>10,380</b>
<b>Outflow From This Node</b>												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.02 Diversions	0	0	0	0	1,851	3,991	1,802	262	150	0	0	0
<b>Total Node 7.02 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,851</b>	<b>3,991</b>	<b>1,802</b>	<b>262</b>	<b>150</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 7.02 NET Flow (In - Out)</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>96,915</b>	<b>118,142</b>	<b>32,307</b>	<b>14,571</b>	<b>13,996</b>	<b>17,794</b>	<b>17,238</b>	<b>10,380</b>

**Node 7.04 Partial Returns from Aggregate Utah Diversions**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 7.04 Node Inflow	7,440	10,970	25,900	40,057	96,915	118,142	32,307	14,571	13,996	17,794	17,238	10,380
Node 7.04 Irrigation Returns	0	0	0	0	4,114	11,718	8,089	3,665	1,618	390	92	30
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.04 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 7.04 Inflow</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>101,029</b>	<b>129,860</b>	<b>40,397</b>	<b>18,237</b>	<b>15,613</b>	<b>18,183</b>	<b>17,330</b>	<b>10,410</b>
<b>Outflow From This Node</b>												
Reach 7 Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.04 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 7.04 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 7.04 NET Flow (In - Out)</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>101,029</b>	<b>129,860</b>	<b>40,397</b>	<b>18,237</b>	<b>15,613</b>	<b>18,183</b>	<b>17,330</b>	<b>10,410</b>

**END OF REACH 7**



**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Reach 8: USGS Gage 10026500 (Bear River near Randolph, UT) to USGS Gage 10028500  
(Bear River below Pixley Dam, Cokeville, UT)**

**Node 8.00 USGS 10026500: Bear R. nr Randolph, UT**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 8.00 Node Inflow	7,440	10,970	25,900	40,057	101,029	129,860	40,397	18,237	15,613	18,183	17,330	10,410
Node 8.00 Irrigation Returns	0	0	0	0	8,802	25,148	15,875	6,148	1,871	238	77	0
reach 8 Ungaged Gains	0	0	0	0	0	0	0	0	287	0	0	0
Node 8.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 8.00 Inflow</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>109,831</b>	<b>155,008</b>	<b>56,272</b>	<b>24,385</b>	<b>17,772</b>	<b>18,421</b>	<b>17,407</b>	<b>10,410</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 8.00 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 8.00 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 8.00 NET Flow (In - Out)</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>109,831</b>	<b>155,008</b>	<b>56,272</b>	<b>24,385</b>	<b>17,772</b>	<b>18,421</b>	<b>17,407</b>	<b>10,410</b>

**Node 8.02 BQ Dam**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 8.02 Node Inflow	7,440	10,970	25,900	40,057	109,831	155,008	56,272	24,385	17,772	18,421	17,407	10,410
Node 8.02 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 8.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 8.02 Inflow</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>109,831</b>	<b>155,008</b>	<b>56,272</b>	<b>24,385</b>	<b>17,772</b>	<b>18,421</b>	<b>17,407</b>	<b>10,410</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 8.02 Diversions	0	0	0	0	6,014	10,403	1,721	194	0	0	0	0
<b>Total Node 8.02 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,014</b>	<b>10,403</b>	<b>1,721</b>	<b>194</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 8.02 NET Flow (In - Out)</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>103,818</b>	<b>144,605</b>	<b>54,551</b>	<b>24,190</b>	<b>17,772</b>	<b>18,421</b>	<b>17,407</b>	<b>10,410</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 8.01 Pixley Dam**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 8.01 Node Inflow	7,440	10,970	25,900	40,057	103,818	144,605	54,551	24,190	17,772	18,421	17,407	10,410
Node 8.01 Irrigation Returns	0	0	0	0	3,407	7,396	3,699	1,443	273	30	6	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 8.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 8.01 Inflow</b>	<b>7,440</b>	<b>10,970</b>	<b>25,900</b>	<b>40,057</b>	<b>107,225</b>	<b>152,001</b>	<b>58,250</b>	<b>25,633</b>	<b>18,045</b>	<b>18,451</b>	<b>17,413</b>	<b>10,410</b>
<b>Outflow From This Node</b>												
reach 8 Ungaged Losses	1,342	3,234	5,674	7,864	18,797	53,671	16,621	5,260	0	3,411	4,094	1,435
Node 8.01 Diversions	0	0	0	0	5,224	6,427	639	79	18	0	0	0
<b>Total Node 8.01 Outflow</b>	<b>1,342</b>	<b>3,234</b>	<b>5,674</b>	<b>7,864</b>	<b>24,022</b>	<b>60,098</b>	<b>17,260</b>	<b>5,340</b>	<b>18</b>	<b>3,411</b>	<b>4,094</b>	<b>1,435</b>
<b>Node 8.01 NET Flow (In - Out)</b>	<b>6,098</b>	<b>7,736</b>	<b>20,226</b>	<b>32,192</b>	<b>83,203</b>	<b>91,903</b>	<b>40,990</b>	<b>20,293</b>	<b>18,027</b>	<b>15,040</b>	<b>13,319</b>	<b>8,975</b>

**END OF REACH 8**

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Reach 9: USGS Gage 10028500 (Bear River below Pixley Dam, near Cokeville, WY) to  
Confluence of Bear River and Smiths Fork**

**Node 9.00 USGS 10028500: Bear R. bel Pixley Dam, near Cokeville, WY**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 9.00 Node Inflow	6,098	7,736	20,226	32,192	83,203	91,903	40,990	20,293	18,027	15,040	13,319	8,975
Node 9.00 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
Reach 9 & 1 Ungaged Gains	1,995	2,831	6,419	10,028	10,243	22,136	6,759	3,561	3,033	4,523	4,445	3,046
Node 9.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 9.00 Inflow</b>	<b>8,093</b>	<b>10,567</b>	<b>26,644</b>	<b>42,221</b>	<b>93,445</b>	<b>114,039</b>	<b>47,749</b>	<b>23,854</b>	<b>21,060</b>	<b>19,563</b>	<b>17,764</b>	<b>12,021</b>
<b>Outflow From This Node</b>												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 9.00 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 9.00 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 9.00 NET Flow (In - Out)</b>	<b>8,093</b>	<b>10,567</b>	<b>26,644</b>	<b>42,221</b>	<b>93,445</b>	<b>114,039</b>	<b>47,749</b>	<b>23,854</b>	<b>21,060</b>	<b>19,563</b>	<b>17,764</b>	<b>12,021</b>

**Node 9.02 AggDiv BR-4**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 9.02 Node Inflow	8,093	10,567	26,644	42,221	93,445	114,039	47,749	23,854	21,060	19,563	17,764	12,021
Node 9.02 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 9.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 9.02 Inflow</b>	<b>8,093</b>	<b>10,567</b>	<b>26,644</b>	<b>42,221</b>	<b>93,445</b>	<b>114,039</b>	<b>47,749</b>	<b>23,854</b>	<b>21,060</b>	<b>19,563</b>	<b>17,764</b>	<b>12,021</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 9.02 Diversions	0	0	0	0	472	1,765	1,615	708	0	0	0	0
<b>Total Node 9.02 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>472</b>	<b>1,765</b>	<b>1,615</b>	<b>708</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 9.02 NET Flow (In - Out)</b>	<b>8,093</b>	<b>10,567</b>	<b>26,644</b>	<b>42,221</b>	<b>92,974</b>	<b>112,274</b>	<b>46,134</b>	<b>23,146</b>	<b>21,060</b>	<b>19,563</b>	<b>17,764</b>	<b>12,021</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 9.01 Confluence Smiths Fork / Bear**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 9.01 Node Inflow	8,093	10,567	26,644	42,221	92,974	112,274	46,134	23,146	21,060	19,563	17,764	12,021
Node 9.01 Inflow from Smiths Fork	9,060	10,199	21,669	32,486	63,897	94,169	31,661	13,872	12,898	17,191	15,315	11,479
Node 9.01 Irrigation Returns	0	0	0	0	2,952	5,827	3,985	2,168	555	123	1	0
na Ungaged Gains/Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 9.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 9.01 Inflow</b>	<b>17,153</b>	<b>20,767</b>	<b>48,313</b>	<b>74,707</b>	<b>159,823</b>	<b>212,270</b>	<b>81,780</b>	<b>39,187</b>	<b>34,513</b>	<b>36,877</b>	<b>33,080</b>	<b>23,500</b>
<b>Outflow From This Node</b>												
Reach 9 & 1 Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 9.01 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 9.01 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 9.01 NET Flow (In - Out)</b>	<b>17,153</b>	<b>20,767</b>	<b>48,313</b>	<b>74,707</b>	<b>159,823</b>	<b>212,270</b>	<b>81,780</b>	<b>39,187</b>	<b>34,513</b>	<b>36,877</b>	<b>33,080</b>	<b>23,500</b>

**END OF REACH 9**

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Reach 10: Smiths Fork to Confluence with Bear River**

**Node 10.01 USGS 10032000: Smiths Fork nr Border,WY**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 10.01 Gage Inflow	5,009	4,450	8,638	12,126	49,692	64,272	29,466	13,370	8,624	7,667	6,148	5,258
Node 10.01 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
reach 9 & 10 Ungaged Gains	4,051	5,749	13,032	20,360	20,795	44,943	13,723	7,230	6,158	9,182	9,024	6,185
Node 10.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 10.01 Inflow</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>70,487</b>	<b>109,215</b>	<b>43,189</b>	<b>20,600</b>	<b>14,782</b>	<b>16,849</b>	<b>15,172</b>	<b>11,442</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.01 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 10.01 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 10.01 NET Flow (In - Out)</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>70,487</b>	<b>109,215</b>	<b>43,189</b>	<b>20,600</b>	<b>14,782</b>	<b>16,849</b>	<b>15,172</b>	<b>11,442</b>

**Node 10.02 Button Flat**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 10.02 Node Inflow	9,060	10,199	21,669	32,486	70,487	109,215	43,189	20,600	14,782	16,849	15,172	11,442
Node 10.02 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 10.02 Inflow</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>70,487</b>	<b>109,215</b>	<b>43,189</b>	<b>20,600</b>	<b>14,782</b>	<b>16,849</b>	<b>15,172</b>	<b>11,442</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.02 Diversions	0	0	0	0	0	245	63	22	17	0	0	0
<b>Total Node 10.02 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>245</b>	<b>63</b>	<b>22</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 10.02 NET Flow (In - Out)</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>70,487</b>	<b>108,970</b>	<b>43,126</b>	<b>20,578</b>	<b>14,766</b>	<b>16,849</b>	<b>15,172</b>	<b>11,442</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 10.03 Emelle**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 10.03 Node Inflow	9,060	10,199	21,669	32,486	70,487	108,970	43,126	20,578	14,766	16,849	15,172	11,442
Node 10.03 Irrigation Returns	0	0	0	0	0	110	60	34	14	4	1	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.03 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 10.03 Inflow</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>70,487</b>	<b>109,080</b>	<b>43,185</b>	<b>20,612</b>	<b>14,780</b>	<b>16,852</b>	<b>15,174</b>	<b>11,442</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.03 Diversions	0	0	0	0	0	404	761	491	42	0	0	0
<b>Total Node 10.03 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>404</b>	<b>761</b>	<b>491</b>	<b>42</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 10.03 NET Flow (In - Out)</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>70,487</b>	<b>108,676</b>	<b>42,424</b>	<b>20,121</b>	<b>14,738</b>	<b>16,852</b>	<b>15,174</b>	<b>11,442</b>

**Node 10.04 Cooper**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 10.04 Node Inflow	9,060	10,199	21,669	32,486	70,487	108,676	42,424	20,121	14,738	16,852	15,174	11,442
Node 10.04 Irrigation Returns	0	0	0	0	0	90	196	172	65	18	1	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.04 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 10.04 Inflow</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>70,487</b>	<b>108,766</b>	<b>42,621</b>	<b>20,293</b>	<b>14,803</b>	<b>16,871</b>	<b>15,175</b>	<b>11,442</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.04 Diversions	0	0	0	0	530	1,038	29	5	0	0	0	0
<b>Total Node 10.04 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>530</b>	<b>1,038</b>	<b>29</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 10.04 NET Flow (In - Out)</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>69,957</b>	<b>107,728</b>	<b>42,592</b>	<b>20,288</b>	<b>14,803</b>	<b>16,871</b>	<b>15,175</b>	<b>11,442</b>

**Node 10.05 Covey**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 10.05 Node Inflow	9,060	10,199	21,669	32,486	69,957	107,728	42,592	20,288	14,803	16,871	15,175	11,442
Node 10.05 Irrigation Returns	0	0	0	0	238	623	376	244	68	19	1	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.05 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 10.05 Inflow</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>70,194</b>	<b>108,351</b>	<b>42,968</b>	<b>20,532</b>	<b>14,870</b>	<b>16,889</b>	<b>15,176</b>	<b>11,442</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.05 Diversions	0	0	0	0	2,292	4,594	4,166	3,189	1,443	0	0	0
<b>Total Node 10.05 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,292</b>	<b>4,594</b>	<b>4,166</b>	<b>3,189</b>	<b>1,443</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 10.05 NET Flow (In - Out)</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>67,903</b>	<b>103,757</b>	<b>38,802</b>	<b>17,343</b>	<b>13,428</b>	<b>16,889</b>	<b>15,176</b>	<b>11,442</b>

**BEAR RIVER SPREADSHEET MODEL  
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**Node 10.06 VH Canal**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 10.06 Node Inflow	9,060	10,199	21,669	32,486	67,903	103,757	38,802	17,343	13,428	16,889	15,176	11,442
Node 10.06 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.06 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 10.06 Inflow</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>67,903</b>	<b>103,757</b>	<b>38,802</b>	<b>17,343</b>	<b>13,428</b>	<b>16,889</b>	<b>15,176</b>	<b>11,442</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.06 Diversions	0	0	0	0	385	865	723	906	427	0	0	0
<b>Total Node 10.06 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>385</b>	<b>865</b>	<b>723</b>	<b>906</b>	<b>427</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 10.06 NET Flow (In - Out)</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>67,517</b>	<b>102,892</b>	<b>38,078</b>	<b>16,437</b>	<b>13,001</b>	<b>16,889</b>	<b>15,176</b>	<b>11,442</b>

**Node 10.07 Goodell**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 10.07 Node Inflow	9,060	10,199	21,669	32,486	67,517	102,892	38,078	16,437	13,001	16,889	15,176	11,442
Node 10.07 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.07 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 10.07 Inflow</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>67,517</b>	<b>102,892</b>	<b>38,078</b>	<b>16,437</b>	<b>13,001</b>	<b>16,889</b>	<b>15,176</b>	<b>11,442</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.07 Diversions	0	0	0	0	26	195	309	266	68	0	0	0
<b>Total Node 10.07 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>195</b>	<b>309</b>	<b>266</b>	<b>68</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 10.07 NET Flow (In - Out)</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>67,491</b>	<b>102,697</b>	<b>37,769</b>	<b>16,171</b>	<b>12,933</b>	<b>16,889</b>	<b>15,176</b>	<b>11,442</b>

**Node 10.08 Whites Water**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 10.08 Node Inflow	9,060	10,199	21,669	32,486	67,491	102,697	37,769	16,171	12,933	16,889	15,176	11,442
Node 10.08 Irrigation Returns	0	0	0	0	189	537	697	802	607	301	139	36
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.08 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 10.08 Inflow</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>67,680</b>	<b>103,233</b>	<b>38,466</b>	<b>16,974</b>	<b>13,540</b>	<b>17,191</b>	<b>15,315</b>	<b>11,479</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.08 Diversions	0	0	0	0	1,118	2,078	1,941	1,251	534	0	0	0
<b>Total Node 10.08 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,118</b>	<b>2,078</b>	<b>1,941</b>	<b>1,251</b>	<b>534</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 10.08 NET Flow (In - Out)</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>66,562</b>	<b>101,155</b>	<b>36,525</b>	<b>15,723</b>	<b>13,005</b>	<b>17,191</b>	<b>15,315</b>	<b>11,479</b>

**BEAR RIVER SPREADSHEET MODEL  
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**Node 10.09 S Branch Irrigating**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 10.09 Node Inflow	9,060	10,199	21,669	32,486	66,562	101,155	36,525	15,723	13,005	17,191	15,315	11,479
Node 10.09 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.09 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 10.09 Inflow</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>66,562</b>	<b>101,155</b>	<b>36,525</b>	<b>15,723</b>	<b>13,005</b>	<b>17,191</b>	<b>15,315</b>	<b>11,479</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.09 Diversions	0	0	0	0	1,811	3,790	1,938	568	107	0	0	0
<b>Total Node 10.09 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,811</b>	<b>3,790</b>	<b>1,938</b>	<b>568</b>	<b>107</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 10.09 NET Flow (In - Out)</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>64,751</b>	<b>97,365</b>	<b>34,587</b>	<b>15,155</b>	<b>12,898</b>	<b>17,191</b>	<b>15,315</b>	<b>11,479</b>

**Node 10.10 AggDiv SF-1**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 10.10 Node Inflow	9,060	10,199	21,669	32,486	64,751	97,365	34,587	15,155	12,898	17,191	15,315	11,479
Node 10.10 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.10 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 10.10 Inflow</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>64,751</b>	<b>97,365</b>	<b>34,587</b>	<b>15,155</b>	<b>12,898</b>	<b>17,191</b>	<b>15,315</b>	<b>11,479</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.10 Diversions	0	0	0	0	854	3,197	2,926	1,283	0	0	0	0
<b>Total Node 10.10 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>854</b>	<b>3,197</b>	<b>2,926</b>	<b>1,283</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 10.10 NET Flow (In - Out)</b>	<b>9,060</b>	<b>10,199</b>	<b>21,669</b>	<b>32,486</b>	<b>63,897</b>	<b>94,169</b>	<b>31,661</b>	<b>13,872</b>	<b>12,898</b>	<b>17,191</b>	<b>15,315</b>	<b>11,479</b>

**END OF REACH 10**



**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Reach 11: Confluence of Bear River and Smiths Fork to USGS Gage  
10039500 (Bear River at Border, WY )**

**Node 11.00 USGS 10038000: Bear R. bel Smiths Fork, nr Cokeville, WY**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 11.00 Gage Inflow	17,153	20,767	48,313	74,707	159,823	212,270	81,780	39,187	34,513	36,877	33,080	23,500
Node 11.00 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
reach 11 Ungaged Gains	1,797	1,633	3,377	1,053	0	10,621	0	0	0	0	0	799
Node 11.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 11.00 Inflow</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>159,823</b>	<b>222,891</b>	<b>81,780</b>	<b>39,187</b>	<b>34,513</b>	<b>36,877</b>	<b>33,080</b>	<b>24,299</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.00 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 11.00 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 11.00 NET Flow (In - Out)</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>159,823</b>	<b>222,891</b>	<b>81,780</b>	<b>39,187</b>	<b>34,513</b>	<b>36,877</b>	<b>33,080</b>	<b>24,299</b>

**Node 11.01 AggDiv BR-5**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 11.01 Node Inflow	18,950	22,400	51,690	75,760	159,823	222,891	81,780	39,187	34,513	36,877	33,080	24,299
Node 11.01 Irrigation Returns	0	0	0	0	1,927	4,564	4,716	3,797	2,353	976	375	91
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 11.01 Inflow</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>161,749</b>	<b>227,455</b>	<b>86,496</b>	<b>42,984</b>	<b>36,866</b>	<b>37,852</b>	<b>33,455</b>	<b>24,390</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.01 Diversions	0	0	0	0	581	2,177	1,992	874	0	0	0	0
<b>Total Node 11.01 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>581</b>	<b>2,177</b>	<b>1,992</b>	<b>874</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 11.01 NET Flow (In - Out)</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>161,168</b>	<b>225,278</b>	<b>84,504</b>	<b>42,110</b>	<b>36,866</b>	<b>37,852</b>	<b>33,455</b>	<b>24,390</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 11.02 Alonzo F. Sights**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 11.02 Node Inflow	18,950	22,400	51,690	75,760	161,168	225,278	84,504	42,110	36,866	37,852	33,455	24,390
Node 11.02 Irrigation Returns	0	0	0	0	98	394	453	295	90	21	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 11.02 Inflow</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>161,266</b>	<b>225,672</b>	<b>84,957</b>	<b>42,405</b>	<b>36,956</b>	<b>37,873</b>	<b>33,455</b>	<b>24,390</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.02 Diversions	0	0	0	0	656	3,592	582	184	0	0	0	0
<b>Total Node 11.02 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>656</b>	<b>3,592</b>	<b>582</b>	<b>184</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 11.02 NET Flow (In - Out)</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>160,610</b>	<b>222,080</b>	<b>84,375</b>	<b>42,220</b>	<b>36,956</b>	<b>37,873</b>	<b>33,455</b>	<b>24,390</b>

**Node 11.03 Oscar E. Snyder**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 11.03 Node Inflow	18,950	22,400	51,690	75,760	160,610	222,080	84,375	42,220	36,956	37,873	33,455	24,390
Node 11.03 Irrigation Returns	0	0	0	0	235	1,187	810	476	118	27	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.03 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 11.03 Inflow</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>160,845</b>	<b>223,267</b>	<b>85,185</b>	<b>42,696</b>	<b>37,074</b>	<b>37,900</b>	<b>33,455</b>	<b>24,390</b>
<b>Outflow From This Node</b>												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.03 Diversions	0	0	0	0	1,054	3,275	1,214	356	286	0	0	0
<b>Total Node 11.03 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,054</b>	<b>3,275</b>	<b>1,214</b>	<b>356</b>	<b>286</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 11.03 NET Flow (In - Out)</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>159,791</b>	<b>219,992</b>	<b>83,971</b>	<b>42,340</b>	<b>36,788</b>	<b>37,900</b>	<b>33,455</b>	<b>24,390</b>

**Node 11.04 Cook Brothers**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 11.04 Node Inflow	18,950	22,400	51,690	75,760	159,791	219,992	83,971	42,340	36,788	37,900	33,455	24,390
Node 11.04 Irrigation Returns	0	0	0	0	408	1,742	1,067	575	191	44	9	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.04 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 11.04 Inflow</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>160,199</b>	<b>221,733</b>	<b>85,038</b>	<b>42,915</b>	<b>36,979</b>	<b>37,944</b>	<b>33,464</b>	<b>24,390</b>
<b>Outflow From This Node</b>												
reach 11 Ungaged Losses	0	0	0	0	3,346	0	2,150	5,131	4,421	3,624	921	0
Node 11.04 Diversions	0	0	0	0	1,531	4,163	1,041	274	455	0	0	0
<b>Total Node 11.04 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,876</b>	<b>4,163</b>	<b>3,192</b>	<b>5,405</b>	<b>4,876</b>	<b>3,624</b>	<b>921</b>	<b>0</b>
<b>Node 11.04 NET Flow (In - Out)</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>155,323</b>	<b>217,570</b>	<b>81,847</b>	<b>37,510</b>	<b>32,103</b>	<b>34,320</b>	<b>32,543</b>	<b>24,390</b>

**END OF REACH 11**

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Reach 12: Bear River from USGS Gage 10039500 (Bear River at Border, WY) to Stewart Dam, including Rainbow Inlet**

**Node 12.00 USGS 10039500: Bear R. at Border, WY**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 12.00 Node Inflow	18,950	22,400	51,690	75,760	155,323	217,570	81,847	37,510	32,103	34,320	32,543	24,390
Node 12.00 Irrigation Returns	0	0	0	0	864	2,683	1,512	736	404	99	36	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 12.00 Inflow</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>156,187</b>	<b>220,253</b>	<b>83,359</b>	<b>38,246</b>	<b>32,508</b>	<b>34,419</b>	<b>32,579</b>	<b>24,390</b>
<b>Outflow From This Node</b>												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.00 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 12.00 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 12.00 NET Flow (In - Out)</b>	<b>18,950</b>	<b>22,400</b>	<b>51,690</b>	<b>75,760</b>	<b>156,187</b>	<b>220,253</b>	<b>83,359</b>	<b>38,246</b>	<b>32,508</b>	<b>34,419</b>	<b>32,579</b>	<b>24,390</b>

**Node 12.01 Confluence Thomas Fork**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 12.01 Node Inflow	18,950	22,400	51,690	75,760	156,187	220,253	83,359	38,246	32,508	34,419	32,579	24,390
Node 12.01 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
reach 12 Ungaged Gains	0	0	2,546	14,458	37,449	25,042	14,542	4,832	5,770	2,055	1,612	0
Node 12.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 12.01 Inflow</b>	<b>18,950</b>	<b>22,400</b>	<b>54,236</b>	<b>90,218</b>	<b>193,636</b>	<b>245,296</b>	<b>97,901</b>	<b>43,078</b>	<b>38,277</b>	<b>36,474</b>	<b>34,191</b>	<b>24,390</b>
<b>Outflow From This Node</b>												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.01 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 12.01 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 12.01 NET Flow (In - Out)</b>	<b>18,950</b>	<b>22,400</b>	<b>54,236</b>	<b>90,218</b>	<b>193,636</b>	<b>245,296</b>	<b>97,901</b>	<b>43,078</b>	<b>38,277</b>	<b>36,474</b>	<b>34,191</b>	<b>24,390</b>

**Node 12.02 Aggregate Idaho Diversions**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 12.02 Node Inflow	18,950	22,400	54,236	90,218	193,636	245,296	97,901	43,078	38,277	36,474	34,191	24,390
Node 12.02 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 12.02 Inflow</b>	<b>18,950</b>	<b>22,400</b>	<b>54,236</b>	<b>90,218</b>	<b>193,636</b>	<b>245,296</b>	<b>97,901</b>	<b>43,078</b>	<b>38,277</b>	<b>36,474</b>	<b>34,191</b>	<b>24,390</b>
<b>Outflow From This Node</b>												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.02 Diversions	0	0	0	0	11,487	28,680	13,788	7,071	5,008	0	0	0
<b>Total Node 12.02 Outflow</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,487</b>	<b>28,680</b>	<b>13,788</b>	<b>7,071</b>	<b>5,008</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Node 12.02 NET Flow (In - Out)</b>	<b>18,950</b>	<b>22,400</b>	<b>54,236</b>	<b>90,218</b>	<b>182,149</b>	<b>216,616</b>	<b>84,112</b>	<b>36,007</b>	<b>33,270</b>	<b>36,474</b>	<b>34,191</b>	<b>24,390</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Node 12.03 Rainbow Inlet**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 12.03 Node Inflow	18,950	22,400	54,236	90,218	182,149	216,616	84,112	36,007	33,270	36,474	34,191	24,390
Node 12.03 Irrigation Returns	0	0	0	0	3,216	8,949	6,615	4,230	2,519	683	200	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.03 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 12.03 Inflow</b>	<b>18,950</b>	<b>22,400</b>	<b>54,236</b>	<b>90,218</b>	<b>185,365</b>	<b>225,565</b>	<b>90,727</b>	<b>40,237</b>	<b>35,789</b>	<b>37,157</b>	<b>34,392</b>	<b>24,390</b>
<b>Outflow From This Node</b>												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.03 Diversions	16,672	20,510	53,741	89,788	174,526	197,474	76,965	39,597	35,047	36,646	34,007	21,810
<b>Total Node 12.03 Outflow</b>	<b>16,672</b>	<b>20,510</b>	<b>53,741</b>	<b>89,788</b>	<b>174,526</b>	<b>197,474</b>	<b>76,965</b>	<b>39,597</b>	<b>35,047</b>	<b>36,646</b>	<b>34,007</b>	<b>21,810</b>
<b>Node 12.03 NET Flow (In - Out)</b>	<b>2,278</b>	<b>1,890</b>	<b>495</b>	<b>430</b>	<b>10,840</b>	<b>28,091</b>	<b>13,762</b>	<b>640</b>	<b>742</b>	<b>511</b>	<b>384</b>	<b>2,580</b>

**Node 12.04 Stewart Dam**

<b>Inflow To This Node</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 12.04 Node Inflow	2,278	1,890	495	430	10,840	28,091	13,762	640	742	511	384	2,580
Node 12.04 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.04 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 12.04 Inflow</b>	<b>2,278</b>	<b>1,890</b>	<b>495</b>	<b>430</b>	<b>10,840</b>	<b>28,091</b>	<b>13,762</b>	<b>640</b>	<b>742</b>	<b>511</b>	<b>384</b>	<b>2,580</b>
<b>Outflow From This Node</b>												
reach 12 Ungaged Losses	2,090	1,689	0	0	0	0	0	0	0	0	0	2,266
Node 12.04 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Node 12.04 Outflow</b>	<b>2,090</b>	<b>1,689</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,266</b>
<b>Node 12.04 NET Flow (In - Out)</b>	<b>188</b>	<b>201</b>	<b>495</b>	<b>430</b>	<b>10,840</b>	<b>28,091</b>	<b>13,762</b>	<b>640</b>	<b>742</b>	<b>511</b>	<b>384</b>	<b>314</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Return to START

View Diversion Data  
by NODE

View Diversion Data  
by REACH

**Historic Diversion Data (Wet Year)**

**Historic Diversion Data: Monthly Total By Node**

Node Number	Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Reach
Node 1.00	USGS 10011500: Bear Riv	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00
Node 1.01	Lannan & Lone Mountain	0	0	0	0	419	918	893	476	348	0	0	0	3053	1.00
Node 1.02	Hilliard West Side	0	0	0	0	383	1054	1161	812	439	0	0	0	3849	1.00
Node 1.03	Bear Canal	0	0	0	0	525	2044	3560	1161	1142	0	0	0	8433	1.00
Node 1.04	Crown & Pine Grove	0	0	0	0	463	1675	1524	673	196	0	0	0	4532	1.00
Node 1.05	McGraw & Big Bend	0	0	0	0	305	1767	1377	811	756	0	0	0	5014	1.00
Node 1.06	Lewis	0	0	0	0	161	353	414	355	182	0	0	0	1465	1.00
Node 1.07	Meyers No. 2	0	0	0	0	15	91	357	380	169	0	0	0	1011	1.00
Node 1.08	Meyers No. 1	0	0	0	0	19	30	305	278	73	0	0	0	705	1.00
Node 1.09	Meyers Irrigation	0	0	0	0	0	143	319	225	28	0	0	0	715	1.00
Node 1.10	Evanston Pipeline	0	0	0	0	342	519	719	652	464	0	0	0	2695	1.00
Node 1.11	Booth	0	0	0	0	202	693	951	567	407	0	0	0	2819	1.00
Node 1.12	Anel	0	0	0	0	153	235	405	77	202	0	0	0	1072	1.00
Node 1.13	Evanston Water Supply	0	0	0	0	64	87	130	165	106	0	0	0	551	1.00
Node 1.14	Hilliard East	0	0	0	0	0	77	1226	520	412	0	0	0	2236	1.00
Node 1.15	AggDiv BR-1	0	0	0	0	145	502	681	308	69	2	0	0	1706	1.00
Node 1.18	Confluence Mill Cr.	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00
Node 10.00	Quinn Bourn	0	0	0	0	178	580	722	467	50	0	0	0	1996	10.00
Node 10.01	USGS 10032000: Smiths F	0	0	0	0	0	0	0	0	0	0	0	0	0	10.00
Node 10.02	Button Flat	0	0	0	0	0	245	63	22	17	0	0	0	346	10.00
Node 10.03	Emelle	0	0	0	0	0	404	761	491	42	0	0	0	1698	10.00
Node 10.04	Cooper	0	0	0	0	530	1038	29	5	0	0	0	0	1602	10.00
Node 10.05	Covey	0	0	0	0	2292	4594	4166	3189	1443	0	0	0	15683	10.00
Node 10.06	VH Canal	0	0	0	0	385	865	723	906	427	0	0	0	3307	10.00
Node 10.07	Goodell	0	0	0	0	26	195	309	266	68	0	0	0	865	10.00
Node 10.08	Whites Water	0	0	0	0	1118	2078	1941	1251	534	0	0	0	6922	10.00
Node 10.09	S Branch Irrigating	0	0	0	0	1811	3790	1938	568	107	0	0	0	8214	10.00
Node 10.10	AggDiv SF-1	0	0	0	0	854	3197	2926	1283	0	0	0	0	8259	10.00
Node 11.00	USGS 10038000: Bear R. t	0	0	0	0	0	0	0	0	0	0	0	0	0	11.00
Node 11.01	AggDiv BR-5	0	0	0	0	581	2177	1992	874	0	0	0	0	5624	11.00
Node 11.02	Alonzo F. Sights	0	0	0	0	656	3592	582	184	0	0	0	0	5014	11.00
Node 11.03	Oscar E. Snyder	0	0	0	0	1054	3275	1214	356	286	0	0	0	6186	11.00
Node 11.04	Cook Brothers	0	0	0	0	1531	4163	1041	274	455	0	0	0	7464	11.00
Node 12.00	USGS 10039500: Bear R. t	0	0	0	0	0	0	0	0	0	0	0	0	0	12.00
Node 12.01	Confluence Thomas Fork	0	0	0	0	0	0	0	0	0	0	0	0	0	12.00
Node 12.02	Aggregate Idaho Diversions	0	0	0	0	11487	28680	13788	7071	5008	0	0	0	66034	12.00
Node 12.03	Rainbow Inlet	16672	20510	53741	89788	174526	197474	76965	39597	35047	36646	34007	21810	796784	12.00
Node 12.04	Stewart Dam	0	0	0	0	0	0	0	0	0	0	0	0	0	12.00
Node 2.00	USGS 10015700: Sulphur t	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00
Node 2.01	AggDiv SC-1/Broadbent	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00
Node 2.02	Sulphur Creek Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00
Node 2.03	AggDiv SC-2	0	0	0	0	419	1449	1966	888	200	7	0	0	4929	2.00
Node 3.00	Confluence Sulphur Creek /	0	0	0	0	0	0	0	0	0	0	0	0	0	3.00
Node 3.01	Evanston Water Ditch	0	0	0	0	0	356	848	560	118	0	0	0	1881	3.00
Node 3.02	Rocky Mtn & Blyth	0	0	0	0	102	484	886	762	499	0	0	0	2732	3.00
Node 4.00	USGS 10016900: Bear R. a	0	0	0	0	0	0	0	0	0	0	0	0	0	4.00
Node 4.01	John Simms	0	0	0	0	353	695	483	507	352	0	0	0	2390	4.00
Node 4.02	S P Ramsey	0	0	0	0	229	686	759	194	142	0	0	0	2010	4.00
Node 4.03	AggDiv BR-2	0	0	0	0	205	708	961	434	99	3	0	0	2411	4.00
Node 5.00	Confluence Yellow Creek / t	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00
** Node 5.01	Chapman Canal	0	0	0	0	1483	1623	1266	321	208	0	0	0	4901	5.00
Node 5.02	Morris Bros (Lower)	0	0	0	0	743	793	744	65	72	0	0	0	2417	5.00
Node 5.03	AggDiv BR-3	0	0	0	0	92	319	433	195	43	1	0	0	1084	5.00
Node 5.04	Tunnel	0	0	0	0	245	1581	559	210	259	0	0	0	2854	5.00
Node 6.00	USGS 10020100: Bear R. t	0	0	0	0	0	0	0	0	0	0	0	0	0	6.00
Node 6.01	Woodruff Narrows Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	6.00

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Node 7.00	USGS 10020300: Bear R. t	0	0	0	0	0	0	0	0	0	0	0	0	0	7.00
Node 7.01	Francis Lee	0	0	0	0	1091	2831	1236	37	301	0	0	0	5497	7.00
Node 7.02	Bear River Canal	0	0	0	0	1851	3991	1802	262	150	0	0	0	8056	7.00
Node 7.03	Aggregate Utah Diversions	0	0	0	0	25661	65985	23764	1708	1572	0	0	0	118691	7.00
Node 7.04	Partial Returns from Aggreg	0	0	0	0	0	0	0	0	0	0	0	0	0	7.00
Node 8.00	USGS 10026500: Bear R. r	0	0	0	0	0	0	0	0	0	0	0	0	0	8.00
Node 8.01	Pixley Dam	0	0	0	0	5224	6427	639	79	18	0	0	0	12388	8.00
Node 8.02	BQ Dam	0	0	0	0	6014	10403	1721	194	0	0	0	0	18333	8.00
Node 9.00	USGS 10028500: Bear R. t	0	0	0	0	0	0	0	0	0	0	0	0	0	9.00
Node 9.01	Confluence Smiths Fork / B	0	0	0	0	0	0	0	0	0	0	0	0	0	9.00
Node 9.02	AggDiv BR-4	0	0	0	0	472	1765	1615	708	0	0	0	0	4560	9.00

**Historic Diversion Data: Monthly Total By Reach**

Reach Number	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1.00	0	0	0	0	3194	10187	14021	7460	4992	2	0	0
2.00	0	0	0	0	419	1449	1966	888	200	7	0	0
3.00	0	0	0	0	102	840	1734	1322	616	0	0	0
4.00	0	0	0	0	787	2090	2203	1135	593	3	0	0
5.00	0	0	0	0	2562	4317	3002	791	583	1	0	0
6.00	0	0	0	0	0	0	0	0	0	0	0	0
7.00	0	0	0	0	28603	72807	26803	2007	2024	0	0	0
8.00	0	0	0	0	11238	16830	2360	274	18	0	0	0
9.00	0	0	0	0	472	1765	1615	708	0	0	0	0
10.00	0	0	0	0	7195	16986	13579	8446	2688	0	0	0
11.00	0	0	0	0	3822	13207	4829	1688	741	0	0	0
12.00	16672	20510	53741	89788	186013	226154	90754	46668	40055	36646	34007	21810

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Irrigation Return Tables**

<a href="#">Return to Start</a>	<a href="#">View Individual Nodes</a>
<a href="#">Help with Irrigation Returns</a>	<a href="#">View "Node Totals" Summary Table</a>
	<a href="#">View "Reach Totals" Summary Table</a>

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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**Irrigation Returns: Node Evaluation**

**Reach 1 Nodes**

<b>Node 1.01</b>	<b>Lannon &amp; Lone Mountain</b>		<b>Efficiency Pattern = 25</b>																
	Total Diversions =			0	0	0	0	419	918	893	476	348	0	0	0	0	0	0	0
	Total Irrigation Returns =			0	0	0	0	314	688	670	357	261	0	0	0	0	0	0	0
<b>TO:</b> <b>(Lewis)</b> <b>(Confluence Mill Cr.)</b>	<b>TO:</b> Node 1.06 Node 1.18	<b>Percent</b> 30.0% 70.0%	<b>Return Pattern = 1</b>	0	0	0	0	47	127	166	144	117	56	22	8				
		0.0%		0	0	0	0	110	296	388	336	272	130	52	18				
		0.0%		0	0	0	0	0	0	0	0	0	0	0	0				
		100.0%		0	0	0	0	157	423	554	481	389	186	75	26				
<b>Node 1.02</b>	<b>Hilliard West Side</b>		<b>Efficiency Pattern = 22</b>																
	Total Diversions =			0	0	0	0	383	1054	1161	812	439	0	0	0				
	Total Irrigation Returns =			0	0	0	0	299	822	906	633	342	0	0	0				
<b>TO:</b> <b>(Sulphur Creek Reservoir)</b>	<b>TO:</b> Node 2.02	<b>Percent</b> 100.0%	<b>Return Pattern = 1</b>	0	0	0	0	149	486	703	696	548	271	115	34				
		0.0%		0	0	0	0	0	0	0	0	0	0	0	0				
		0.0%		0	0	0	0	0	0	0	0	0	0	0	0				
		100.0%		0	0	0	0	149	486	703	696	548	271	115	34				
<b>Node 1.03</b>	<b>Bear Canal</b>		<b>Efficiency Pattern = 22</b>																
	Total Diversions =			0	0	0	0	525	2044	3560	1161	1142	0	0	0				
	Total Irrigation Returns =			0	0	0	0	409	1595	2777	906	891	0	0	0				
<b>TO:</b> <b>(Sulphur Creek Reservoir)</b> <b>(AggDiv SC-2)</b>	<b>TO:</b> Node 2.02 Node 2.03	<b>Percent</b> 60.0% 40.0%	<b>Return Pattern = 1</b>	0	0	0	0	123	540	1109	856	749	382	135	53				
		0.0%		0	0	0	0	82	360	739	571	499	255	90	36				
		0.0%		0	0	0	0	0	0	0	0	0	0	0	0				
		100.0%		0	0	0	0	205	900	1849	1427	1248	636	224	89				
<b>Node 1.04</b>	<b>Crown &amp; Pine Grove</b>		<b>Efficiency Pattern = 27</b>																
	Total Diversions =			0	0	0	0	463	1675	1524	673	196	0	0	0				
	Total Irrigation Returns =			0	0	0	0	338	1223	1112	491	143	0	0	0				
<b>TO:</b> <b>(Lewis)</b> <b>(Confluence Mill Cr.)</b> <b>(Meyers No. 2)</b>	<b>TO:</b> Node 1.06 Node 1.18 Node 1.07	<b>Percent</b> 25.0% 25.0% 50.0%	<b>Return Pattern = 2</b>	0	0	0	0	59	231	264	172	77	19	4	0				
		0.0%		0	0	0	0	59	231	264	172	77	19	4	0				
		0.0%		0	0	0	0	118	462	529	344	155	39	7	0				
		100.0%		0	0	0	0	237	924	1057	689	310	78	14	0				

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<b>Node 1.05</b>	<b>McGraw &amp; Big Bend</b>		<b>Efficiency Pattern = 30</b>															
	Total Diversions =		0	0	0	0	305	1767	1377	811	756	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	213	1237	964	567	529	0	0	0	0	0	0	0
<b>TO: (Lewis)</b>	<b>TO: Node 1.06</b>	<b>Percent</b>	<b>Return Pattern = 2</b>															
	100.0%		0	0	0	0	149	908	943	714	580	163	53	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100.00%		0	0	0	0	149	908	943	714	580	163	53	0	0	0	0	0
<b>Node 1.06</b>	<b>Lewis</b>		<b>Efficiency Pattern = 30</b>															
	Total Diversions =		0	0	0	0	161	353	414	355	182	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	113	247	290	249	127	0	0	0	0	0	0	0
<b>TO: (Meyers No. 1)</b>	<b>TO: Node 1.08</b>	<b>Percent</b>	<b>Return Pattern = 2</b>															
	100.0%		0	0	0	0	79	196	264	257	168	50	13	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100.00%		0	0	0	0	79	196	264	257	168	50	13	0	0	0	0	0
<b>Node 1.07</b>	<b>Meyers No. 2</b>		<b>Efficiency Pattern = 27</b>															
	Total Diversions =		0	0	0	0	15	91	357	380	169	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	11	66	261	278	123	0	0	0	0	0	0	0
<b>TO: (Meyers No. 1)</b>	<b>TO: Node 1.08</b>	<b>Percent</b>	<b>Return Pattern = 2</b>															
	100.0%		0	0	0	0	7	48	197	253	168	52	12	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100.00%		0	0	0	0	7	48	197	253	168	52	12	0	0	0	0	0
<b>Node 1.18</b>	<b>Confluence Mill Cr.</b>		<b>Efficiency Pattern = 15</b>															
	Total Diversions =		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TO: #N/A</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 3</b>															
	100.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100.00%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Node 1.08</b>	<b>Meyers No. 1</b>		<b>Efficiency Pattern = 27</b>															
	Total Diversions =		0	0	0	0	19	30	305	278	73	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	14	22	223	203	54	0	0	0	0	0	0	0
<b>TO: (Booth) (AggDiv SC-2)</b>	<b>TO: Node 1.11 Node 2.03</b>	<b>Percent</b>	<b>Return Pattern = 2</b>															
	50.0%		0	0	0	0	5	9	81	94	50	15	3	0	0	0	0	0
	50.0%		0	0	0	0	5	9	81	94	50	15	3	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.0%		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100.00%		0	0	0	0	10	18	162	189	100	31	5	0	0	0	0	0



**BEAR RIVER SPREADSHEET MODEL  
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<b>Node 1.09</b>	<b>Meyers Irrigation</b>		<b>Efficiency Pattern = 30</b>															
	Total Diversions =		0	0	0	0	0	143	319	225	28	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	100	223	158	19	0	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>															
(Anel)	Node 1.12	100.0%	0	0	0	0	0	70	176	165	67	20	2	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	0	70	176	165	67	20	2	0	0	0	0	0
<b>Node 1.10</b>	<b>Evanston Pipeline</b>		<b>Efficiency Pattern = 60</b>															
	Total Diversions =		0	0	0	0	0	342	519	719	652	464	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	137	207	288	261	186	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 3</b>															
(Confluence Yellow Creek / Bear River)	Node 5.00	100.0%	0	0	0	0	137	207	288	261	186	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	137	207	288	261	186	0	0	0	0	0	0	0
<b>Node 1.11</b>	<b>Booth</b>		<b>Efficiency Pattern = 27</b>															
	Total Diversions =		0	0	0	0	0	202	693	951	567	407	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	147	506	694	414	297	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>															
(Evanston Water Ditch)	Node 3.01	100.0%	0	0	0	0	103	384	602	479	360	101	30	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	103	384	602	479	360	101	30	0	0	0	0	0
<b>Node 1.12</b>	<b>Anel</b>		<b>Efficiency Pattern = 30</b>															
	Total Diversions =		0	0	0	0	0	153	235	405	77	202	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	107	165	283	54	141	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>															
(AggDiv BR-1)	Node 1.15	100.0%	0	0	0	0	75	137	242	111	138	34	14	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	75	137	242	111	138	34	14	0	0	0	0	0
<b>Node 1.13</b>	<b>Evanston Water Supply</b>		<b>Efficiency Pattern = 27</b>															
	Total Diversions =		0	0	0	0	0	64	87	130	165	106	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	47	63	95	120	77	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>															
(Rocky Mtn & Blyth)	Node 3.02	50.0%	0	0	0	0	16	27	42	55	44	14	4	0	0	0	0	0
(John Simms)	Node 4.01	50.0%	0	0	0	0	16	27	42	55	44	14	4	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	33	54	84	109	88	27	8	0	0	0	0	0

**BEAR RIVER SPREADSHEET MODEL  
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<b>Node 1.15</b>	<b>AggDiv BR-1</b>		<b>Efficiency Pattern = 33</b>											
	Total Diversions =		0	0	0	0	145	502	681	308	69	2	0	0
	Total Irrigation Returns =		0	0	0	0	96	331	449	203	45	1	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
<b>(Confluence Sulphur Creek / Bear River)</b>	Node 3.00	100.0%	0	0	0	0	67	251	390	265	117	30	5	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	67	251	390	265	117	30	5	0
<b>Reach 2 Nodes</b>														
<b>Node 2.00</b>	<b>USGS 10015700: Sulphur Cr. ab Res. BI. La Chapelle Cr. NE of Res. BI. La Chapelle Cr.</b>		<b>Efficiency Pattern = 20</b>											
	Total Diversions =		0	0	0	0	0	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	0	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 3</b>											
<b>(Sulphur Creek Reservoir)</b>	Node 2.02	100.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	0	0	0	0	0	0	0	0
<b>Node 2.01</b>	<b>AggDiv SC-1/Broadbent</b>		<b>Efficiency Pattern = 33</b>											
	Total Diversions =		0	0	0	0	0	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	0	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
<b>(Sulphur Creek Reservoir)</b>	Node 2.02	100.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	0	0	0	0	0	0	0	0
<b>Node 2.02</b>	<b>Sulphur Creek Reservoir</b>		<b>Efficiency Pattern = 15</b>											
	Total Diversions =		0	0	0	0	0	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	0	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 3</b>											
<b>#N/A</b>		100.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	0	0	0	0	0	0	0	0
<b>Node 2.03</b>	<b>AggDiv SC-2</b>		<b>Efficiency Pattern = 33</b>											
	Total Diversions =		0	0	0	0	419	1449	1966	888	200	7	0	0
	Total Irrigation Returns =		0	0	0	0	277	957	1297	586	132	5	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
<b>(Confluence Sulphur Creek / Bear River)</b>	Node 3.00	100.0%	0	0	0	0	194	725	1127	765	339	88	14	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	194	725	1127	765	339	88	14	0

**BEAR RIVER SPREADSHEET MODEL  
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**Reach 3 Nodes**

<b>Node 3.00</b>		<b>Confluence Sulphur Creek / Bear River</b>	<b>Efficiency Pattern = 15</b>											
		Total Diversions =	0	0	0	0	0	0	0	0	0	0	0	0
		Total Irrigation Returns =	0	0	0	0	0	0	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 3</b>											
<b>#N/A</b>		100.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	0	0	0	0	0	0	0	0
<b>Node 3.01</b>		<b>Evanston Water Ditch</b>	<b>Efficiency Pattern = 36</b>											
		Total Diversions =	0	0	0	0	0	356	848	560	118	0	0	0
		Total Irrigation Returns =	0	0	0	0	0	228	542	358	75	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
<b>(Rocky Mtn &amp; Blyth)</b>	<b>Node 3.02</b>	100.0%	0	0	0	0	159	425	382	179	51	8	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	159	425	382	179	51	8	0	0
<b>Node 3.02</b>		<b>Rocky Mtn &amp; Blyth</b>	<b>Efficiency Pattern = 36</b>											
		Total Diversions =	0	0	0	0	102	484	886	762	499	0	0	0
		Total Irrigation Returns =	0	0	0	0	65	310	567	487	319	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
<b>(John Simms)</b>	<b>Node 4.01</b>	70.0%	0	0	0	0	32	161	326	340	264	79	22	0
<b>(S P Ramsey)</b>	<b>Node 4.02</b>	30.0%	0	0	0	0	14	69	140	146	113	34	10	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	46	230	465	486	378	113	32	0

**Reach 4 Nodes**

<b>Node 4.00</b>		<b>USGS 10016900: Bear R. at Evanston, WY</b>	<b>Efficiency Pattern = 15</b>											
		Total Diversions =	0	0	0	0	0	0	0	0	0	0	0	0
		Total Irrigation Returns =	0	0	0	0	0	0	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 3</b>											
<b>#N/A</b>		100.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	0	0	0	0	0	0	0	0
<b>Node 4.01</b>		<b>John Simms</b>	<b>Efficiency Pattern = 36</b>											
		Total Diversions =	0	0	0	0	353	695	483	507	352	0	0	0
		Total Irrigation Returns =	0	0	0	0	226	445	309	325	225	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
<b>(S P Ramsey)</b>	<b>Node 4.02</b>	50.0%	0	0	0	0	79	178	164	167	127	39	11	0
<b>(AggDiv BR-2)</b>	<b>Node 4.03</b>	50.0%	0	0	0	0	79	178	164	167	127	39	11	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	158	356	328	334	253	77	23	0

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

<b>Node 4.02</b>	<b>S P Ramsey</b>		<b>Efficiency Pattern = 33</b>																	
	Total Diversions =		0	0	0	0	229	686	759	194	142	0	0	0	0	0	0	0	0	
	Total Irrigation Returns =		0	0	0	0	151	453	501	128	94	0	0	0	0	0	0	0	0	
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>																	
(AggDiv BR-2)	Node 4.03	50.0%	0	0	0	0	53	174	228	117	71	16	5	0	0	0	0	0	0	
(Chapman Canal)	Node 5.01	50.0%	0	0	0	0	53	174	228	117	71	16	5	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		100.00%	0	0	0	0	106	347	456	235	141	32	9	0	0	0	0	0	0	
<b>Node 4.03</b>	<b>AggDiv BR-2</b>		<b>Efficiency Pattern = 33</b>																	
	Total Diversions =		0	0	0	0	205	708	961	434	99	3	0	0	0	0	0	0	0	
	Total Irrigation Returns =		0	0	0	0	135	468	634	287	65	2	0	0	0	0	0	0	0	
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>																	
(Chapman Canal)	Node 5.01	100.0%	0	0	0	0	95	354	551	374	166	43	7	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		100.00%	0	0	0	0	95	354	551	374	166	43	7	0	0	0	0	0	0	
<b>Reach 5 Nodes</b>																				
<b>Node 5.00</b>	<b>Confluence Yellow Creek / Bear River</b>		<b>Efficiency Pattern = 40</b>																	
	Total Diversions =		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Total Irrigation Returns =		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>																	
#N/A		100.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		100.00%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Node 5.01</b>	<b>Chapman Canal</b>		<b>Efficiency Pattern = 27</b>																	
	Total Diversions =		0	0	0	0	1483	1623	1266	321	208	0	0	0	0	0	0	0	0	
	Total Irrigation Returns =		0	0	0	0	1082	1185	924	234	152	0	0	0	0	0	0	0	0	
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>																	
(AggDiv BR-3)	Node 5.03	100.0%	0	0	0	0	758	1046	992	467	246	54	15	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		100.00%	0	0	0	0	758	1046	992	467	246	54	15	0	0	0	0	0	0	
<b>Node 5.02</b>	<b>Morris Bros (Lower)</b>		<b>Efficiency Pattern = 36</b>																	
	Total Diversions =		0	0	0	0	743	793	744	65	72	0	0	0	0	0	0	0	0	
	Total Irrigation Returns =		0	0	0	0	476	507	476	42	46	0	0	0	0	0	0	0	0	
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>																	
(AggDiv BR-3)	Node 5.03	30.0%	0	0	0	0	100	135	145	53	26	4	1	0	0	0	0	0	0	
(Woodruff Narrows Reservoir)	Node 6.01	70.0%	0	0	0	0	233	315	338	123	62	9	3	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		100.00%	0	0	0	0	333	450	482	175	88	13	5	0	0	0	0	0	0	

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

<b>Node 5.03</b>	<b>AggDiv BR-3</b>		<b>Efficiency Pattern =</b>	<b>33</b>														
	Total Diversions =		0	0	0	0	92	319	433	195	43	1	0	0				
	Total Irrigation Returns =		0	0	0	0	61	211	286	129	29	1	0	0				
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern =</b>				<b>2</b>											
<b>(Tunnel)</b>	<b>Node 5.04</b>	<b>100.0%</b>	0	0	0	0	43	160	248	168	74	19	3	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>100.00%</b>	0	0	0	0	43	160	248	168	74	19	3	0				
<b>Node 5.04</b>	<b>Tunnel</b>		<b>Efficiency Pattern =</b>	<b>36</b>														
	Total Diversions =		0	0	0	0	245	1581	559	210	259	0	0	0				
	Total Irrigation Returns =		0	0	0	0	157	1012	358	134	166	0	0	0				
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern =</b>				<b>2</b>											
<b>(Woodruff Narrows Reservoir)</b>	<b>Node 6.01</b>	<b>100.0%</b>	0	0	0	0	110	740	469	267	179	47	17	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>100.00%</b>	0	0	0	0	110	740	469	267	179	47	17	0				
<b>Reach 6 Nodes</b>																		
<b>Node 6.00</b>	<b>USGS 10020100: Bear R. ab res. nr Woodruff, UT</b>		<b>Efficiency Pattern =</b>	<b>15</b>														
	Total Diversions =		0	0	0	0	0	0	0	0	0	0	0	0				
	Total Irrigation Returns =		0	0	0	0	0	0	0	0	0	0	0	0				
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern =</b>				<b>3</b>											
<b>#N/A</b>		<b>100.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>100.00%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
<b>Node 6.01</b>	<b>Woodruff Narrows Reservoir</b>		<b>Efficiency Pattern =</b>	<b>15</b>														
	Total Diversions =		0	0	0	0	0	0	0	0	0	0	0	0				
	Total Irrigation Returns =		0	0	0	0	0	0	0	0	0	0	0	0				
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern =</b>				<b>3</b>											
<b>#N/A</b>		<b>100.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>0.0%</b>	0	0	0	0	0	0	0	0	0	0	0	0				
		<b>100.00%</b>	0	0	0	0	0	0	0	0	0	0	0	0				

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Reach 7 Nodes**

<b>Node 7.00</b>																																																																																																						
<b>USGS 10020300: Bear R. bel res. nr Woodruff, UT</b>																																																																																																						
Efficiency Pattern = <b>15</b>																																																																																																						
Total Diversions =																																																																																																						
Total Irrigation Returns =																																																																																																						
<table border="1"> <tr> <td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> </table>														0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0																																																													
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<table border="1"> <tr> <td><b>TO:</b></td><td><b>TO:</b></td><td><b>Percent</b></td><td colspan="11"><b>Return Pattern = 3</b></td> </tr> <tr> <td><b>#N/A</b></td><td></td><td>100.0%</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td></td><td></td><td>0.0%</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td></td><td></td><td>0.0%</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td></td><td></td><td>0.0%</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td></td><td></td><td>100.00%</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> </table>														<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 3</b>											<b>#N/A</b>		100.0%	0	0	0	0	0	0	0	0	0	0	0			0.0%	0	0	0	0	0	0	0	0	0	0	0			0.0%	0	0	0	0	0	0	0	0	0	0	0			0.0%	0	0	0	0	0	0	0	0	0	0	0			100.00%	0	0	0	0	0	0	0	0	0	0	0					
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 3</b>																																																																																																			
<b>#N/A</b>		100.0%	0	0	0	0	0	0	0	0	0	0	0																																																																																									
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<b>Node 7.01</b>																																																																																																						
<b>Francis Lee</b>																																																																																																						
Efficiency Pattern = <b>33</b>																																																																																																						
Total Diversions =																																																																																																						
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<table border="1"> <tr> <td>0</td><td>0</td><td>0</td><td>0</td><td>1091</td><td>2831</td><td>1236</td><td>37</td><td>301</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td>0</td><td>0</td><td>0</td><td>0</td><td>720</td><td>1869</td><td>816</td><td>24</td><td>199</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> </table>														0	0	0	0	1091	2831	1236	37	301	0	0	0	0	0	0	0	0	0	720	1869	816	24	199	0	0	0	0	0																																																													
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<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 1</b>																																																																																																			
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		100.00%	0	0	0	0	360	1114	983	568	415	135	32	20																																																																																								
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<table border="1"> <tr> <td>0</td><td>0</td><td>0</td><td>0</td><td>1851</td><td>3991</td><td>1802</td><td>262</td><td>150</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td>0</td><td>0</td><td>0</td><td>0</td><td>1221</td><td>2634</td><td>1190</td><td>173</td><td>99</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> </table>														0	0	0	0	1851	3991	1802	262	150	0	0	0	0	0	0	0	0	0	1221	2634	1190	173	99	0	0	0	0	0																																																													
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0	0	0	0	1221	2634	1190	173	99	0	0	0	0	0																																																																																									
<table border="1"> <tr> <td><b>TO:</b></td><td><b>TO:</b></td><td><b>Percent</b></td><td colspan="11"><b>Return Pattern = 1</b></td> </tr> <tr> <td><b>Partial Returns from Aggregate Utah Dive</b></td><td><b>Node 7.04</b></td><td>100.0%</td><td>0</td><td>0</td><td>0</td><td>0</td><td>611</td><td>1622</td><td>1436</td><td>901</td><td>535</td><td>170</td><td>32</td><td>10</td> </tr> <tr> <td></td><td></td><td>0.0%</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td></td><td></td><td>0.0%</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td></td><td></td><td>0.0%</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td></td><td></td><td>100.00%</td><td>0</td><td>0</td><td>0</td><td>0</td><td>611</td><td>1622</td><td>1436</td><td>901</td><td>535</td><td>170</td><td>32</td><td>10</td> </tr> </table>														<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 1</b>											<b>Partial Returns from Aggregate Utah Dive</b>	<b>Node 7.04</b>	100.0%	0	0	0	0	611	1622	1436	901	535	170	32	10			0.0%	0	0	0	0	0	0	0	0	0	0	0			0.0%	0	0	0	0	0	0	0	0	0	0	0			0.0%	0	0	0	0	0	0	0	0	0	0	0			100.00%	0	0	0	0	611	1622	1436	901	535	170	32	10			
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<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>																																																																																																			
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<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>																																																																																																			
<b>#N/A</b>		100.0%	0	0	0	0	0	0	0	0	0	0	0	0																																																																																								
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		0.0%	0	0	0	0	0	0	0	0	0	0	0	0																																																																																								
		100.00%	0	0	0	0	0	0	0	0	0	0	0	0																																																																																								

**BEAR RIVER SPREADSHEET MODEL  
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**Reach 8 Nodes**

<b>Node 8.00</b>		<b>USGS 10026500: Bear R. nr Randolph, UT</b>				<b>Efficiency Pattern = 15</b>											
		Total Diversions =				0	0	0	0	0	0	0	0	0	0		
		Total Irrigation Returns =				0	0	0	0	0	0	0	0	0	0		
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 3</b>														
#N/A		100.0%	0	0	0	0	0	0	0	0	0	0	0	0			
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0			
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0			
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0			
		100.0%	0	0	0	0	0	0	0	0	0	0	0	0			
<b>Node 8.01</b>		<b>Pixley Dam</b>				<b>Efficiency Pattern = 33</b>											
		Total Diversions =				0	0	0	0	5224	6427	639	79	18	0	0	0
		Total Irrigation Returns =				0	0	0	0	3448	4242	422	52	12	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>														
(Confluence Smiths Fork / Bear)	Node 9.01	100.0%	0	0	0	0	2414	3659	1489	545	61	8	1	0			
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0			
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0			
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0			
		100.0%	0	0	0	0	2414	3659	1489	545	61	8	1	0			
<b>Node 8.02</b>		<b>BQ Dam</b>				<b>Efficiency Pattern = 33</b>											
		Total Diversions =				0	0	0	0	6014	10403	1721	194	0	0	0	0
		Total Irrigation Returns =				0	0	0	0	3969	6866	1136	128	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>														
(Pixley Dam)	Node 8.01	100.0%	0	0	0	0	2778	5600	2565	1004	139	13	0	0			
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0			
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0			
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0			
		100.0%	0	0	0	0	2778	5600	2565	1004	139	13	0	0			

**Reach 9 Nodes**

<b>Node 9.00</b>		<b>USGS 10028500: Bear R. bel Pixley Dam, near Cokeville, WY</b>				<b>Efficiency Pattern = 15</b>										
		Total Diversions =				0	0	0	0	0	0	0	0	0	0	0
		Total Irrigation Returns =				0	0	0	0	0	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 3</b>													
#N/A		100.0%	0	0	0	0	0	0	0	0	0	0	0	0		
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0		
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0		
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0		
		100.0%	0	0	0	0	0	0	0	0	0	0	0	0		
<b>Node 9.01</b>		<b>Confluence Smiths Fork / Bear</b>				<b>Efficiency Pattern = 15</b>										
		Total Diversions =				0	0	0	0	0	0	0	0	0	0	0
		Total Irrigation Returns =				0	0	0	0	0	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 3</b>													
#N/A		100.0%	0	0	0	0	0	0	0	0	0	0	0	0		
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0		
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0		
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0		
		100.0%	0	0	0	0	0	0	0	0	0	0	0	0		

**BEAR RIVER SPREADSHEET MODEL  
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<b>Node 9.02</b>	<b>AggDiv BR-4</b>		<b>Efficiency Pattern = 42</b>											
	Total Diversions =		0	0	0	0	472	1765	1615	708	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	274	1024	937	411	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
(Confluence Smiths Fork / Bear)	Node 9.01	100.0%	0	0	0	0	191	771	888	577	176	41	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	191	771	888	577	176	41	0	0

**Reach 10 Nodes**

<b>Node 10.01</b>	<b>USGS 10032000: Smiths Fork nr Border,WY</b>		<b>Efficiency Pattern = 40</b>											
	Total Diversions =		0	0	0	0	0	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	0	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
#N/A		100.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	0	0	0	0	0	0	0	0

<b>Node 10.02</b>	<b>Button Flat</b>		<b>Efficiency Pattern = 36</b>											
	Total Diversions =		0	0	0	0	0	245	63	22	17	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	157	41	14	11	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
(Emelle)	Node 10.03	100.0%	0	0	0	0	0	110	60	34	14	4	1	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	0	110	60	34	14	4	1	0

<b>Node 10.03</b>	<b>Emelle</b>		<b>Efficiency Pattern = 36</b>											
	Total Diversions =		0	0	0	0	0	404	761	491	42	0	0	0
	Total Irrigation Returns =		0	0	0	0	0	259	487	314	27	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
(Cooper)	Node 10.04	50.0%	0	0	0	0	0	90	196	172	65	18	1	0
(Covey)	Node 10.05	50.0%	0	0	0	0	0	90	196	172	65	18	1	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	0	181	393	343	130	37	3	0

<b>Node 10.04</b>	<b>Cooper</b>		<b>Efficiency Pattern = 36</b>											
	Total Diversions =		0	0	0	0	530	1038	29	5	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	339	664	19	3	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
(Covey)	Node 10.05	100.0%	0	0	0	0	238	533	180	72	2	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	238	533	180	72	2	0	0	0



**BEAR RIVER SPREADSHEET MODEL  
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<b>Node 10.05</b>	<b>Covey</b>		<b>Efficiency Pattern = 30</b>															
	Total Diversions =		0	0	0	0	2292	4594	4166	3189	1443	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	1604	3216	2916	2232	1010	0	0	0	0	0	0	0
<b>TO:</b> (Whites Water) (AggDiv BR-5)	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 1</b>															
	Node 10.08	10.0%	0	0	0	0	80	201	250	249	182	88	37	10				
	Node 11.01	90.0%	0	0	0	0	722	1808	2252	2239	1640	791	337	91				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		100.00%	0	0	0	0	802	2009	2503	2488	1822	879	375	101				
<b>Node 10.06</b>	<b>VH Canal</b>		<b>Efficiency Pattern = 47</b>															
	Total Diversions =		0	0	0	0	385	865	723	906	427	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	204	459	383	480	226	0	0	0	0	0	0	0
<b>TO:</b> (Whites Water)	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 1</b>															
	Node 10.08	100.0%	0	0	0	0	102	280	337	425	337	167	82	23				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		100.00%	0	0	0	0	102	280	337	425	337	167	82	23				
<b>Node 10.07</b>	<b>Goodell</b>		<b>Efficiency Pattern = 47</b>															
	Total Diversions =		0	0	0	0	26	195	309	266	68	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	14	103	164	141	36	0	0	0	0	0	0	0
<b>TO:</b> (Whites Water)	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 1</b>															
	Node 10.08	100.0%	0	0	0	0	7	55	110	128	88	47	20	4				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		100.00%	0	0	0	0	7	55	110	128	88	47	20	4				
<b>Node 10.08</b>	<b>Whites Water</b>		<b>Efficiency Pattern = 40</b>															
	Total Diversions =		0	0	0	0	1118	2078	1941	1251	534	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	671	1247	1165	751	321	0	0	0	0	0	0	0
<b>TO:</b> (AggDiv BR-5)	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>															
	Node 11.01	100.0%	0	0	0	0	470	1007	1132	883	491	139	32	0				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		100.00%	0	0	0	0	470	1007	1132	883	491	139	32	0				
<b>Node 10.09</b>	<b>S Branch Irrigating</b>		<b>Efficiency Pattern = 42</b>															
	Total Diversions =		0	0	0	0	1811	3790	1938	568	107	0	0	0	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	1050	2198	1124	329	62	0	0	0	0	0	0	0
<b>TO:</b> (AggDiv BR-5)	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>															
	Node 11.01	100.0%	0	0	0	0	735	1749	1331	675	222	45	6	0				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0				
		100.00%	0	0	0	0	735	1749	1331	675	222	45	6	0				

**BEAR RIVER SPREADSHEET MODEL  
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<b>Node 10.10</b>		<b>AggDiv SF-1</b>		<b>Efficiency Pattern = 42</b>										
		Total Diversions =	0	0	0	0	854	3197	2926	1283	0	0	0	0
		Total Irrigation Returns =	0	0	0	0	495	1854	1697	744	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
(Confluence Smiths Fork / Bear)	Node 9.01	100.0%	0	0	0	0	347	1397	1608	1046	318	74	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	347	1397	1608	1046	318	74	0	0

Reach 11 Nodes

<b>Node 11.01</b>		<b>AggDiv BR-5</b>		<b>Efficiency Pattern = 40</b>										
		Total Diversions =	0	0	0	0	581	2177	1992	874	0	0	0	0
		Total Irrigation Returns =	0	0	0	0	349	1306	1195	524	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
(Alonzo F. Sights)	Node 11.02	40.0%	0	0	0	0	98	394	453	295	90	21	0	0
(Oscar E. Snyder)	Node 11.03	40.0%	0	0	0	0	98	394	453	295	90	21	0	0
(Cook Brothers)	Node 11.04	20.0%	0	0	0	0	49	197	227	147	45	10	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	244	984	1133	737	224	52	0	0

<b>Node 11.02</b>		<b>Alonzo F. Sights</b>		<b>Efficiency Pattern = 40</b>										
		Total Diversions =	0	0	0	0	656	3592	582	184	0	0	0	0
		Total Irrigation Returns =	0	0	0	0	394	2155	349	111	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
(Oscar E. Snyder)	Node 11.03	50.0%	0	0	0	0	138	794	357	181	29	6	0	0
(Cook Brothers)	Node 11.04	50.0%	0	0	0	0	138	794	357	181	29	6	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	275	1587	715	363	57	11	0	0

<b>Node 11.03</b>		<b>Oscar E. Snyder</b>		<b>Efficiency Pattern = 40</b>										
		Total Diversions =	0	0	0	0	1054	3275	1214	356	286	0	0	0
		Total Irrigation Returns =	0	0	0	0	632	1965	728	214	172	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
(Cook Brothers)	Node 11.04	50.0%	0	0	0	0	221	751	483	246	118	28	9	0
(USGS 10039500: Bear R. at Border, W)	Node 12.00	50.0%	0	0	0	0	221	751	483	246	118	28	9	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	443	1502	966	492	236	56	17	0

<b>Node 11.04</b>		<b>Cook Brothers</b>		<b>Efficiency Pattern = 40</b>										
		Total Diversions =	0	0	0	0	1531	4163	1041	274	455	0	0	0
		Total Irrigation Returns =	0	0	0	0	918	2498	625	164	273	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
(USGS 10039500: Bear R. at Border, W)	Node 12.00	100.0%	0	0	0	0	643	1932	1029	490	286	71	27	0
(Aggregate Idaho Diversions)	Node 12.02	0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.0%	0	0	0	0	643	1932	1029	490	286	71	27	0

**BEAR RIVER SPREADSHEET MODEL  
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Reach 12 Nodes

<b>Node 12.00</b>		<b>USGS 10039500: Bear R. at Border, WY</b>	<b>Efficiency Pattern = 40</b>											
		Total Diversions =	0	0	0	0	0	0	0	0	0	0	0	0
		Total Irrigation Returns =	0	0	0	0	0	0	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
#N/A		100.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	0	0	0	0	0	0	0	0
<b>Node 12.01</b>		<b>Confluence Thomas Fork</b>	<b>Efficiency Pattern = 40</b>											
		Total Diversions =	0	0	0	0	0	0	0	0	0	0	0	0
		Total Irrigation Returns =	0	0	0	0	0	0	0	0	0	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 1</b>											
#N/A		100.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	0	0	0	0	0	0	0	0
<b>Node 12.02</b>		<b>Aggregate Idaho Diversions</b>	<b>Efficiency Pattern = 60</b>											
		Total Diversions =	0	0	0	0	11487	28680	13788	7071	5008	0	0	0
		Total Irrigation Returns =	0	0	0	0	4595	11472	5515	2828	2003	0	0	0
<b>TO:</b>	<b>TO:</b>	<b>Percent</b>	<b>Return Pattern = 2</b>											
(Rainbow Inlet)	Node 12.03	100.0%	0	0	0	0	3216	8949	6615	4230	2519	683	200	0
(Stewart Dam)	Node 12.04	0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	3216	8949	6615	4230	2519	683	200	0

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Summary Table : This table represents the TOTAL IRRIGATION RETURNS going TO each node based upon the calculations in the table above

**Irrigation Returns: Total By Node**

Node Number	Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Reach Nu
Node 1.00	USGS 10011500: Bear River near UT-V	0	0	0	0	0	0	0	0	0	0	0	0	1.00
Node 1.01	Lannon & Lone Mountain	0	0	0	0	0	0	0	0	0	0	0	0	1.00
Node 1.02	Hilliard West Side	0	0	0	0	0	0	0	0	0	0	0	0	1.00
Node 1.03	Bear Canal	0	0	0	0	0	0	0	0	0	0	0	0	1.00
Node 1.04	Crown & Pine Grove	0	0	0	0	0	0	0	0	0	0	0	0	1.00
Node 1.05	McGraw & Big Bend	0	0	0	0	0	0	0	0	0	0	0	0	1.00
Node 1.06	Lewis	0	0	0	0	256	1266	1374	1030	774	238	79	8	1.00
Node 1.07	Meyers No. 2	0	0	0	0	118	462	529	344	155	39	7	0	1.00
Node 1.08	Meyers No. 1	0	0	0	0	86	244	460	510	335	103	25	0	1.00
Node 1.09	Meyers Irrigation	0	0	0	0	0	0	0	0	0	0	0	0	1.00
Node 1.10	Evanston Pipeline	0	0	0	0	0	0	0	0	0	0	0	0	1.00
Node 1.11	Booth	0	0	0	0	5	9	81	94	50	15	3	0	1.00
Node 1.12	Anel	0	0	0	0	0	70	176	165	67	20	2	0	1.00
Node 1.13	Evanston Water Supply	0	0	0	0	0	0	0	0	0	0	0	0	1.00
Node 1.15	AggDiv BR-1	0	0	0	0	75	137	242	111	138	34	14	0	1.00
Node 1.18	Confluence Mill Cr.	0	0	0	0	169	527	652	509	350	149	56	18	1.00
Node 10.01	USGS 10032000: Smiths Fork nr Borde	0	0	0	0	0	0	0	0	0	0	0	0	10.00
Node 10.02	Button Flat	0	0	0	0	0	0	0	0	0	0	0	0	10.00
Node 10.03	Emelle	0	0	0	0	0	110	60	34	14	4	1	0	10.00
Node 10.04	Cooper	0	0	0	0	0	90	196	172	65	18	1	0	10.00
Node 10.05	Covey	0	0	0	0	238	623	376	244	68	19	1	0	10.00
Node 10.06	VH Canal	0	0	0	0	0	0	0	0	0	0	0	0	10.00
Node 10.07	Goodell	0	0	0	0	0	0	0	0	0	0	0	0	10.00
Node 10.08	Whites Water	0	0	0	0	189	537	697	802	607	301	139	36	10.00
Node 10.09	S Branch Irrigating	0	0	0	0	0	0	0	0	0	0	0	0	10.00
Node 10.10	AggDiv SF-1	0	0	0	0	0	0	0	0	0	0	0	0	10.00
Node 11.00	USGS 10038000: Bear R. bel Smiths Fc	0	0	0	0	0	0	0	0	0	0	0	0	11.00
Node 11.01	AggDiv BR-5	0	0	0	0	1927	4564	4716	3797	2353	976	375	91	11.00
Node 11.02	Alonzo F. Sights	0	0	0	0	98	394	453	295	90	21	0	0	11.00
Node 11.03	Oscar E. Snyder	0	0	0	0	235	1187	810	476	118	27	0	0	11.00
Node 11.04	Cook Brothers	0	0	0	0	408	1742	1067	575	191	44	9	0	11.00
Node 12.00	USGS 10039500: Bear R. at Border, W'	0	0	0	0	864	2683	1512	736	404	99	36	0	12.00
Node 12.01	Confluence Thomas Fork	0	0	0	0	0	0	0	0	0	0	0	0	12.00
Node 12.02	Aggregate Idaho Diversions	0	0	0	0	0	0	0	0	0	0	0	0	12.00
Node 12.03	Rainbow Inlet	0	0	0	0	3216	8949	6615	4230	2519	683	200	0	12.00
Node 12.04	Stewart Dam	0	0	0	0	0	0	0	0	0	0	0	0	12.00
Node 2.00	USGS 10015700: Sulphur Cr. ab Res.B	0	0	0	0	0	0	0	0	0	0	0	0	2.00
Node 2.01	AggDiv SC-1/Broadbent	0	0	0	0	0	0	0	0	0	0	0	0	2.00
Node 2.02	Sulphur Creek Reservoir	0	0	0	0	272	1025	1812	1553	1296	653	249	88	2.00
Node 2.03	AggDiv SC-2	0	0	0	0	87	369	820	665	549	270	92	36	2.00
Node 3.00	Confluence Sulphur Creek / Bear River	0	0	0	0	261	976	1517	1031	457	119	19	1	3.00
Node 3.01	Evanston Water Ditch	0	0	0	0	103	384	602	479	360	101	30	0	3.00
Node 3.02	Rocky Mtn & Blyth	0	0	0	0	16	186	467	437	222	65	11	0	3.00
Node 4.00	USGS 10016900: Bear R. at Evanston, \	0	0	0	0	0	0	0	0	0	0	0	0	4.00
Node 4.01	John Simms	0	0	0	0	48	188	368	395	308	93	26	0	4.00
Node 4.02	S P Ramsey	0	0	0	0	93	247	304	312	240	73	21	0	4.00
Node 4.03	AggDiv BR-2	0	0	0	0	132	352	392	284	197	55	16	0	4.00
Node 5.00	Confluence Yellow Creek / Bear River	0	0	0	0	137	207	288	261	186	0	0	0	5.00

**BEAR RIVER SPREADSHEET MODEL  
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Node 5.01	Chapman Canal	0	0	0	0	148	528	779	492	237	59	12	0	5.00
Node 5.02	Morris Bros (Lower)	0	0	0	0	0	0	0	0	0	0	0	0	5.00
Node 5.03	AggDiv BR-3	0	0	0	0	858	1181	1137	520	272	58	17	0	5.00
Node 5.04	Tunnel	0	0	0	0	43	160	248	168	74	19	3	0	5.00
Node 6.00	USGS 10020100: Bear R. ab res. nr Wc	0	0	0	0	0	0	0	0	0	0	0	0	6.00
Node 6.01	Woodruff Narrows Reservoir	0	0	0	0	343	1055	806	389	241	56	20	0	6.00
Node 7.00	USGS 10020300: Bear R. bel res. nr Wc	0	0	0	0	0	0	0	0	0	0	0	0	7.00
Node 7.01	Francis Lee	0	0	0	0	0	0	0	0	0	0	0	0	7.00
Node 7.02	Bear River Canal	0	0	0	0	0	0	0	0	0	0	0	0	7.00
Node 7.03	Aggregate Utah Diversions	0	0	0	0	0	0	0	0	0	0	0	0	7.00
Node 7.04	Partial Returns from Aggregate Utah Div	0	0	0	0	4114	11718	8089	3665	1618	390	92	30	7.00
Node 8.00	USGS 10026500: Bear R. nr Randolph,	0	0	0	0	8802	25148	15875	6148	1871	238	77	0	8.00
Node 8.01	Pixley Dam	0	0	0	0	3407	7396	3699	1443	273	30	6	0	8.00
Node 8.02	BQ Dam	0	0	0	0	0	0	0	0	0	0	0	0	8.00
Node 9.00	USGS 10028500: Bear R. bel Pixley Da	0	0	0	0	0	0	0	0	0	0	0	0	9.00
Node 9.01	Confluence Smiths Fork / Bear	0	0	0	0	2952	5827	3985	2168	555	123	1	0	9.00
Node 9.02	AggDiv BR-4	0	0	0	0	0	0	0	0	0	0	0	0	9.00
	<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29698</b>	<b>80541</b>	<b>61204</b>	<b>34532</b>	<b>17257</b>	<b>5187</b>	<b>1640</b>	<b>307</b>	<b>230,367</b>

**Irrigation Returns: Total By Reach**

Reach Number	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	0	0	0	0	709	2714	3514	2763	1870	598	186	26		
2	0	0	0	0	359	1394	2633	2218	1846	923	342	123		
3	0	0	0	0	380	1546	2586	1947	1039	284	60	1		
4	0	0	0	0	273	787	1063	991	745	220	63	0		
5	0	0	0	0	1184	2076	2452	1441	769	136	31	0		
6	0	0	0	0	343	1055	806	389	241	56	20	0		
7	0	0	0	0	4114	11718	8089	3665	1618	390	92	30		
8	0	0	0	0	12209	32544	19574	7591	2144	268	83	0		
9	0	0	0	0	2952	5827	3985	2168	555	123	1	0		
10	0	0	0	0	427	1360	1329	1251	754	342	143	36		
11	0	0	0	0	2668	7886	7046	5143	2752	1067	384	91		
12	0	0	0	0	4081	11633	8126	4966	2924	782	236	0		
	<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29698</b>	<b>80541</b>	<b>61204</b>	<b>34532</b>	<b>17257</b>	<b>5187</b>	<b>1640</b>	<b>307</b>	<b>230,367</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

## Reservoir Evaporative Losses

**Mean Monthly Evaporation (acre-feet).**

Node Number	Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 2.01	Sulphur Creek Reservoir	59	59	72	97	130	189	219	197	139	85	65	75	1385
Node 3.01	Woodruff Narrows	201	199	246	329	442	642	743	669	473	289	222	255	4710

Sulphur Creek	
Avg (ac)=	500
Woodruff Narrows	
Avg (ac)=	1,700

**Mean Monthly Evaporation (inches).** Values reflect adjustment of pan evaporation data by a factor of 0.6

Mean Monthly Data (Green River, WY)	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Overall Average (Gross Pan Evaporation - inches)	2.53	2.44	2.67	3.24	4.27	5.73	6.29	5.61	4.09	2.83	2.26	2.63	44.59
Overall Average (Precipitation - inches)	1.11	1.03	0.94	0.92	1.16	1.20	1.05	0.89	0.75	0.79	0.69	0.83	11.3
Overall Average (Net Evaporation - inches)	1.42	1.41	1.73	2.32	3.12	4.53	5.24	4.72	3.34	2.04	1.57	1.80	33.25

Gross Pan Evaporation data source:

High Plains Climate Center  
14 L. W. Chase Hall  
University of Nebraska  
Lincoln, NE 68583-0728

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Return Flows

**Irrigation Return Pattern (Amount of  
the diversion that returns to the river)**

Type No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
15	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%	85.0%
20	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%
22	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%	78.0%
27	73.0%	73.0%	73.0%	73.0%	73.0%	73.0%	73.0%	73.0%	73.0%	73.0%	73.0%	73.0%
25	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%
28	72.0%	72.0%	72.0%	72.0%	72.0%	72.0%	72.0%	72.0%	72.0%	72.0%	72.0%	72.0%
30	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%
33	66.0%	66.0%	66.0%	66.0%	66.0%	66.0%	66.0%	66.0%	66.0%	66.0%	66.0%	66.0%
35	65.0%	65.0%	65.0%	65.0%	65.0%	65.0%	65.0%	65.0%	65.0%	65.0%	65.0%	65.0%
36	64.0%	64.0%	64.0%	64.0%	64.0%	64.0%	64.0%	64.0%	64.0%	64.0%	64.0%	64.0%
40	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%
42	58.0%	58.0%	58.0%	58.0%	58.0%	58.0%	58.0%	58.0%	58.0%	58.0%	58.0%	58.0%
47	53.0%	53.0%	53.0%	53.0%	53.0%	53.0%	53.0%	53.0%	53.0%	53.0%	53.0%	53.0%
60	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%
70	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%
100	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

**Irrigation Return Lags**

Pattern No.	0	1	2	3	Total
1	50.0%	25.0%	15.0%	10.0%	100.0%
2	70.0%	20.0%	10.0%	0.0%	100.0%
3	100.0%	0.0%	0.0%	0.0%	100.0%
4	100.0%	0.0%	0.0%	0.0%	100.0%

Note: "0" means proportion that returns in same month as diverted  
 "1" means returns in next month  
 "2" means returns in two months  
 etc.

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Ungaged Reach Gains**

Reach Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Reach 1, 2 & 3	2,740	5,716	14,219	17,455	39,124	24,279	0	3,033	2,242	2,221	3,368	2,554
Reach 4 & 5	558	787	1,632	4,394	18,593	23,212	2,498	627	187	675	668	721
Reach 6	0	0	0	0	0	0	0	0	0	0	0	0
Reach 7	2,060	5,900	8,840	12,050	28,919	61,496	26,603	3,809	5,299	5,074	5,241	2,970
Reach 8	0	0	0	0	0	0	0	0	287	0	0	0
Reach 9 & 10	6,047	8,580	19,450	30,389	31,038	67,079	20,483	10,791	9,191	13,705	13,469	9,231
Reach 11	1,797	1,633	3,377	1,053	0	10,621	0	0	0	0	0	799
Reach 12	0	0	2,546	14,458	37,449	25,042	14,542	4,832	5,770	2,055	1,612	0
NA												

**Ungaged Reach Losses**

Reach Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Reach 1, 2 & 3	0	0	0	0	0	0	6,388	0	0	0	0	0
Reach 4 & 5	0	0	0	0	0	0	0	0	0	0	0	0
Reach 6	0	0	0	0	0	0	0	0	0	0	0	0
Reach 7	0	0	0	0	0	0	0	0	0	0	0	0
Reach 8	1,342	3,234	5,674	7,864	18,797	53,671	16,621	5,260	0	3,411	4,094	1,435
Reach 9 & 10	0	0	0	0	0	0	0	0	0	0	0	0
Reach 11	0	0	0	0	3,346	0	2,150	5,131	4,421	3,624	921	0
Reach 12	2,090	1,689	0	0	0	0	0	0	0	0	0	2,266
NA												



**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Ungaged Gain and Loss Calculations**

<b>Reach 1 Gain/Loss</b>			<b>NOTE:</b> Reaches 1 and 3 are sequential reaches of the Bear River Mainstem which comprise a total reach bound by USGS gages. The end of reach 1 (and beginning of reach 3) is a synthetic node representing the confluence with Sulphur Creek. Therefore, the ungaged gain/loss for the combined reach will be added accordingly. Gains are added to the upstream end of reach 1. Losses are taken from downstream end of reach 3.												
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Upstream Gage at:	Node 1.00	USGS 10011500: Bear River near U'	3490	2928	3933	5895	39968	90965	42370	10855	9580	7183	5090	4435	
Upstream Gage at:	Node 2.00	USGS 10015700: Sulphur Cr. ab Res	135	277	833	2064	6925	2586	443	299	237	268	392	277	
Downstream Gage at:	Node 4.00	USGS 10016900: Bear R. at Evansto	6598	9306	19285	26056	83172	109371	27715	12344	11697	12137	9014	8525	
<b>Gage Difference</b>			<b>2973</b>	<b>6101</b>	<b>14520</b>	<b>18098</b>	<b>36280</b>	<b>15820</b>	<b>-15098</b>	<b>1189</b>	<b>1880</b>	<b>4686</b>	<b>3532</b>	<b>3814</b>	
<b>Reach Diversions</b>															
1	Total Diversions		0	0	0	0	3194	10109	12795	6940	4580	2	0	0	
2	Total Diversions		0	0	0	0	419	1449	1966	888	200	7	0	0	
3	Total Diversions		0	0	0	0	102	840	1734	1322	616	0	0	0	
2	Gain/Loss at Sulphur Cr. Res.		-233	-386	-300	-643	577	1727	960	-366	-268	-670	423	-1109	
<b>Reach Total Diversions</b>			<b>-233</b>	<b>-386</b>	<b>-300</b>	<b>-643</b>	<b>4292</b>	<b>14126</b>	<b>17454</b>	<b>8783</b>	<b>5128</b>	<b>-661</b>	<b>423</b>	<b>-1109</b>	
<b>Reach Returns</b>															
1	Total Returns		0	0	0	0	709	2714	3514	2763	1870	598	186	26	
2	Total Returns		0	0	0	0	359	1394	2633	2218	1846	923	342	123	
3	Total Returns		0	0	0	0	380	1546	2586	1947	1039	284	60	1	
2	Broadbent Import		0	0	0	0	0	12	12	12	12	0	0	0	
<b>Reach Total Returns</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1448</b>	<b>5666</b>	<b>8744</b>	<b>6939</b>	<b>4767</b>	<b>1805</b>	<b>587</b>	<b>150</b>	
<b>REACH NAME =</b>			<b>Reach 1, 2 &amp; 3 Net Gain/Loss</b>	<b>2740</b>	<b>5716</b>	<b>14219</b>	<b>17455</b>	<b>39124</b>	<b>24279</b>	<b>-6388</b>	<b>3033</b>	<b>2242</b>	<b>2221</b>	<b>3368</b>	<b>2554</b>

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Upstream Gage at:	Node 4.00	USGS 10016900: Bear R. at Evansto	6598	9306	19285	26056	83172	109371	27715	12344	11697	12137	9014	8525	
Downstream Gage at:	Node 6.00	USGS 10020100: Bear R. ab res. nr	7157	10093	20917	30450	99873	129040	28523	13477	12223	13163	9777	9247	
<b>Gage Difference</b>			<b>558</b>	<b>787</b>	<b>1632</b>	<b>4394</b>	<b>16701</b>	<b>19669</b>	<b>808</b>	<b>1133</b>	<b>526</b>	<b>1027</b>	<b>763</b>	<b>721</b>	
<b>Reach Diversions</b>															
4	Total Diversions		0	0	0	0	787	2090	2203	1135	593	3	0	0	
5	Total Diversions		0	0	0	0	2562	4317	3002	791	583	1	0	0	
<b>Reach Total Diversions</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3349</b>	<b>6407</b>	<b>5205</b>	<b>1926</b>	<b>1176</b>	<b>4</b>	<b>0</b>	<b>0</b>	
<b>Reach Returns</b>															
4	Total Returns		0	0	0	0	273	787	1063	991	745	220	63	0	
5	Total Returns		0	0	0	0	1184	2076	2452	1441	769	136	31	0	
<b>Reach Total Returns</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1457</b>	<b>2863</b>	<b>3515</b>	<b>2432</b>	<b>1515</b>	<b>355</b>	<b>94</b>	<b>0</b>	
<b>REACH NAME =</b>			<b>Reach 4 &amp; 5 Net Gain/Loss</b>	<b>558</b>	<b>787</b>	<b>1632</b>	<b>4394</b>	<b>18593</b>	<b>23212</b>	<b>2498</b>	<b>627</b>	<b>187</b>	<b>675</b>	<b>668</b>	<b>721</b>

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Upstream Gage at:	Node 6.00	USGS 10020100: Bear R. ab res. nr	7157	10093	20917	30450	99873	129040	28523	13477	12223	13163	9777	9247
Downstream Gage at:	Node 7.00	USGS 10020300: Bear R. bel res. nr	5380	5070	17060	28007	86843	118550	32507	12770	10720	12720	11997	7410
<b>Gage Difference</b>			<b>-1777</b>	<b>-5023</b>	<b>-3857</b>	<b>-2443</b>	<b>-13030</b>	<b>-10490</b>	<b>3983</b>	<b>-707</b>	<b>-1503</b>	<b>-443</b>	<b>2220</b>	<b>-1837</b>
<b>Reach</b>	<b>Diversions</b>													
6	Total Diversions		0	0	0	0	0	0	0	0	0	0	0	0
6	Gain/Loss at Woodruff Narrows Res.		1777	5023	3857	2443	13373	11545	-3177	1096	1744	499	-2200	1837
<b>Reach Total Diversions</b>			<b>1777</b>	<b>5023</b>	<b>3857</b>	<b>2443</b>	<b>13373</b>	<b>11545</b>	<b>-3177</b>	<b>1096</b>	<b>1744</b>	<b>499</b>	<b>-2200</b>	<b>1837</b>
<b>Reach</b>	<b>Returns</b>													
6	Total Returns		0	0	0	0	343	1055	806	389	241	56	20	0
<b>Reach Total Returns</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>343</b>	<b>1055</b>	<b>806</b>	<b>389</b>	<b>241</b>	<b>56</b>	<b>20</b>	<b>0</b>
<b>REACH NAME =</b>			<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Reach 6 Net Gain/Loss			0	0	0	0	0	0	0	0	0	0	0	0

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Upstream Gage at:	Node 7.00	USGS 10020300: Bear R. bel res. nr	5380	5070	17060	28007	86843	118550	32507	12770	10720	12720	11997	7410
Downstream Gage at:	Node 8.00	USGS 10026500: Bear R. nr Randolj	7440	10970	25900	40057	91273	118957	40397	18237	15613	18183	17330	10410
<b>Gage Difference</b>			<b>2060</b>	<b>5900</b>	<b>8840</b>	<b>12050</b>	<b>4430</b>	<b>407</b>	<b>7890</b>	<b>5467</b>	<b>4893</b>	<b>5463</b>	<b>5333</b>	<b>3000</b>
<b>Reach</b>	<b>Diversions</b>													
7	Total Diversions		0	0	0	0	28603	72807	26803	2007	2024	0	0	0
<b>Reach Total Diversions</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28603</b>	<b>72807</b>	<b>26803</b>	<b>2007</b>	<b>2024</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Reach</b>	<b>Returns</b>													
7	Total Returns		0	0	0	0	4114	11718	8089	3665	1618	390	92	30
<b>Reach Total Returns</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4114</b>	<b>11718</b>	<b>8089</b>	<b>3665</b>	<b>1618</b>	<b>390</b>	<b>92</b>	<b>30</b>
<b>REACH NAME =</b>			<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Reach 7 Net Gain/Loss			2060	5900	8840	12050	28919	61496	26603	3809	5299	5074	5241	2970

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Upstream Gage at:	Node 8.00	USGS 10026500: Bear R. nr Randolj	7440	10970	25900	40057	91273	118957	40397	18237	15613	18183	17330	10410
Downstream Gage at:	Node 9.00	USGS 10028500: Bear R. bel Pixley	6098	7736	20226	32192	73447	81000	40990	20293	18027	15040	13319	8975
<b>Gage Difference</b>			<b>-1342</b>	<b>-3234</b>	<b>-5674</b>	<b>-7864</b>	<b>-17827</b>	<b>-37957</b>	<b>593</b>	<b>2057</b>	<b>2413</b>	<b>-3143</b>	<b>-4011</b>	<b>-1435</b>
<b>Reach</b>	<b>Diversions</b>													
8	Total Diversions		0	0	0	0	11238	16830	2360	274	18	0	0	0
<b>Reach Total Diversions</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11238</b>	<b>16830</b>	<b>2360</b>	<b>274</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Reach</b>	<b>Returns</b>													
8	Total Returns		0	0	0	0	12209	32544	19574	7591	2144	268	83	0
<b>Reach Total Returns</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12209</b>	<b>32544</b>	<b>19574</b>	<b>7591</b>	<b>2144</b>	<b>268</b>	<b>83</b>	<b>0</b>
<b>REACH NAME =</b>			<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Reach 8 Net Gain/Loss			-1342	-3234	-5674	-7864	-18797	-53671	-16621	-5260	287	-3411	-4094	-1435

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
9	Upstream Gage at:	Node 9.00 USGS 10028500: Bear R. bel Pixley	6098	7736	20226	32192	73447	81000	40990	20293	18027	15040	13319	8975
	Upstream Gage at:	Node 10.01 USGS 10032000: Smiths Fork nr Bor	5009	4450	8638	12126	49692	64272	29466	13370	8624	7667	6148	5258
	Downstream Gage at:	Node 11.00 USGS 10038000: Bear R. bel Smiths	17153	20767	48313	74707	150067	201367	81780	39187	34513	36877	33080	23500
		<b>Gage Difference</b>	<b>6047</b>	<b>8580</b>	<b>19450</b>	<b>30389</b>	<b>26928</b>	<b>56095</b>	<b>11324</b>	<b>5523</b>	<b>7863</b>	<b>14170</b>	<b>13613</b>	<b>9267</b>
	<b>Reach</b>	<b>Diversions</b>												
	9	Total Diversions	0	0	0	0	472	1765	1615	708	0	0	0	0
	10	Total Diversions	0	0	0	0	7017	16406	12857	7979	2638	0	0	0
		<b>Reach Total Diversions</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7488</b>	<b>18171</b>	<b>14473</b>	<b>8687</b>	<b>2638</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Returns</b>												
	9	Total Returns	0	0	0	0	2952	5827	3985	2168	555	123	1	0
	10	Total Returns	0	0	0	0	427	1360	1329	1251	754	342	143	36
		<b>Reach Total Returns</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3379</b>	<b>7187</b>	<b>5314</b>	<b>3419</b>	<b>1309</b>	<b>465</b>	<b>144</b>	<b>36</b>
	REACH NAME =	Reach 9 & 10 Net Gain/Loss	6047	8580	19450	30389	31038	67079	20483	10791	9191	13705	13469	9231
11	Upstream Gage at:	Node 11.00 USGS 10038000: Bear R. bel Smiths	17153	20767	48313	74707	150067	201367	81780	39187	34513	36877	33080	23500
	Downstream Gage at:	Node 12.00 USGS 10039500: Bear R. at Border,	18950	22400	51690	75760	145567	206667	81847	37510	32103	34320	32543	24390
		<b>Gage Difference</b>	<b>1797</b>	<b>1633</b>	<b>3377</b>	<b>1053</b>	<b>-4500</b>	<b>5300</b>	<b>67</b>	<b>-1677</b>	<b>-2410</b>	<b>-2557</b>	<b>-537</b>	<b>890</b>
	<b>Reach</b>	<b>Diversions</b>												
	11	Total Diversions	0	0	0	0	3822	13207	4829	1688	741	0	0	0
		<b>Reach Total Diversions</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3822</b>	<b>13207</b>	<b>4829</b>	<b>1688</b>	<b>741</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Returns</b>												
	11	Total Returns	0	0	0	0	2668	7886	7046	5143	2752	1067	384	91
		<b>Reach Total Returns</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2668</b>	<b>7886</b>	<b>7046</b>	<b>5143</b>	<b>2752</b>	<b>1067</b>	<b>384</b>	<b>91</b>
	REACH NAME =	Reach 11 Net Gain/Loss	1797	1633	3377	1053	-3346	10621	-2150	-5131	-4421	-3624	-921	799
12	Upstream Gage at:	Node 12.00 USGS 10039500: Bear R. at Border,	18950	22400	51690	75760	145567	206667	81847	37510	32103	34320	32543	24390
	Downstream Gage at:	Node 12.04 Stewart Dam	188	201	495	430	1084	17187	13762	640	742	511	384	314
		<b>Gage Difference</b>	<b>-18762</b>	<b>-22199</b>	<b>-51195</b>	<b>-75330</b>	<b>-144483</b>	<b>-189479</b>	<b>-68085</b>	<b>-36870</b>	<b>-31362</b>	<b>-33809</b>	<b>-32159</b>	<b>-24076</b>
	<b>Reach</b>	<b>Diversions</b>												
	12	Total Diversions	16672	20510	53741	89788	186013	226154	90754	46668	40055	36646	34007	21810
		<b>Reach Total Diversions</b>	<b>16672</b>	<b>20510</b>	<b>53741</b>	<b>89788</b>	<b>186013</b>	<b>226154</b>	<b>90754</b>	<b>46668</b>	<b>40055</b>	<b>36646</b>	<b>34007</b>	<b>21810</b>
		<b>Returns</b>												
	12	Total Returns	0	0	0	0	4081	11633	8126	4966	2924	782	236	0
		<b>Reach Total Returns</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4081</b>	<b>11633</b>	<b>8126</b>	<b>4966</b>	<b>2924</b>	<b>782</b>	<b>236</b>	<b>0</b>
	REACH NAME =	Reach 12 Net Gain/Loss	-2090	-1689	2546	14458	37449	25042	14542	4832	5770	2055	1612	-2266

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Import/Export Data

Master List of Node Numbers and their Names

Node	Name	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Node 1.00	USGS 10011500: Bear River near UT-WY Sta	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.01	Lannon & Lone Mountain	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.02	Hilliard West Side	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.03	Bear Canal	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.04	Crown & Pine Grove	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.05	McGraw & Big Bend	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.06	Lewis	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.07	Meyers No. 2	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.08	Meyers No. 1	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.09	Meyers Irrigation	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.10	Evanston Pipeline	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.11	Booth	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.12	Anel	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.13	Evanston Water Supply	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.15	AggDiv BR-1	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.18	Confluence Mill Cr.	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.00	USGS 10015700: Sulphur Cr. ab Res.BI.La C	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.01	AggDiv SC-1/Broadbent	0	0	0	0	0	12	12	12	12	0	0	0
Node 2.02	Sulphur Creek Reservoir	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.03	AggDiv SC-2	0	0	0	0	0	0	0	0	0	0	0	0
Node 3.00	Confluence Sulphur Creek / Bear River	0	0	0	0	0	0	0	0	0	0	0	0
Node 3.01	Evanston Water Ditch	0	0	0	0	0	0	0	0	0	0	0	0
Node 3.02	Rocky Mtn & Blyth	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.00	USGS 10016900: Bear R. at Evanston, WY	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.01	John Simms	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.02	S P Ramsey	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.03	AggDiv BR-2	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.00	Confluence Yellow Creek / Bear River	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.01	Chapman Canal	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.02	Morris Bros (Lower)	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.03	AggDiv BR-3	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.04	Tunnel	0	0	0	0	0	0	0	0	0	0	0	0
Node 6.00	USGS 10020100: Bear R. ab res. nr Woodruff	0	0	0	0	0	0	0	0	0	0	0	0
Node 6.01	Woodruff Narrows Reservoir	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.00	USGS 10020300: Bear R. bel res. nr Woodruff	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.01	Francis Lee	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.02	Bear River Canal	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.03	Aggregate Utah Diversions	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.04	Partial Returns from Aggregate Utah Diversion	0	0	0	0	0	0	0	0	0	0	0	0
Node 8.00	USGS 10026500: Bear R. nr Randolph, UT	0	0	0	0	0	0	0	0	0	0	0	0
Node 8.01	Pixley Dam	0	0	0	0	0	0	0	0	0	0	0	0
Node 8.02	BQ Dam	0	0	0	0	0	0	0	0	0	0	0	0

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Node 9.00	USGS 10028500: Bear R. bel Pixley Dam, ne:	0	0	0	0	0	0	0	0	0	0	0
Node 9.01	Confluence Smiths Fork / Bear	0	0	0	0	0	0	0	0	0	0	0
Node 9.02	AggDiv BR-4	0	0	0	0	0	0	0	0	0	0	0
Node 10.01	USGS 10032000: Smiths Fork nr Border,WY	0	0	0	0	0	0	0	0	0	0	0
Node 10.02	Button Flat	0	0	0	0	0	0	0	0	0	0	0
Node 10.03	Emelle	0	0	0	0	0	0	0	0	0	0	0
Node 10.04	Cooper	0	0	0	0	0	0	0	0	0	0	0
Node 10.05	Covey	0	0	0	0	0	0	0	0	0	0	0
Node 10.06	VH Canal	0	0	0	0	0	0	0	0	0	0	0
Node 10.07	Goodell	0	0	0	0	0	0	0	0	0	0	0
Node 10.08	Whites Water	0	0	0	0	0	0	0	0	0	0	0
Node 10.09	S Branch Irrigating	0	0	0	0	0	0	0	0	0	0	0
Node 10.10	AggDiv SF-1	0	0	0	0	0	0	0	0	0	0	0
Node 11.00	USGS 10038000: Bear R. bel Smiths Fork, nr	0	0	0	0	0	0	0	0	0	0	0
Node 11.01	AggDiv BR-5	0	0	0	0	0	0	0	0	0	0	0
Node 11.02	Alonzo F. Sights	0	0	0	0	0	0	0	0	0	0	0
Node 11.03	Oscar E. Snyder	0	0	0	0	0	0	0	0	0	0	0
Node 11.04	Cook Brothers	0	0	0	0	0	0	0	0	0	0	0
Node 12.00	USGS 10039500: Bear R. at Border, WY	0	0	0	0	0	0	0	0	0	0	0
Node 12.01	Confluence Thomas Fork	0	0	0	0	0	0	0	0	0	0	0
Node 12.02	Aggregate Idaho Diversions	0	0	0	0	0	0	0	0	0	0	0
Node 12.03	Rainbow Inlet	0	0	0	0	0	0	0	0	0	0	0
Node 12.04	Stewart Dam	0	0	0	0	0	0	0	0	0	0	0

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Gaging Station Data**

**Average Monthly Streamflow (ac-ft) : Wet Year Conditions**

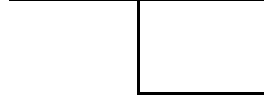
Node	Name	Gage Number	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Node 1.00	USGS 10011500: Bear River near UT-WY State	10011500	3,490	2,928	3,933	5,895	39,968	90,965	42,370	10,855	9,580	7,183	5,090	4,435
Node 2.00	USGS 10015700: Sulphur Cr. ab Res.Bl.La Cha	10015700	135	277	833	2,064	6,925	2,586	443	299	237	268	392	277
Node 4.00	USGS 10016900: Bear R. at Evanston, WY	10016900	6,598	9,306	19,285	26,056	83,172	109,371	27,715	12,344	11,697	12,137	9,014	8,525
Node 6.00	USGS 10020100: Bear R. ab res. nr Woodruff, L	10020100	7,157	10,093	20,917	30,450	99,873	129,040	28,523	13,477	12,223	13,163	9,777	9,247
Node 7.00	USGS 10020300: Bear R. bel res. nr Woodruff, l	10020300	5,380	5,070	17,060	28,007	86,843	118,550	32,507	12,770	10,720	12,720	11,997	7,410
Node 8.00	USGS 10026500: Bear R. nr Randolph, UT	10026500	7,440	10,970	25,900	40,057	91,273	118,957	40,397	18,237	15,613	18,183	17,330	10,410
Node 9.00	USGS 10028500: Bear R. bel Pixley Dam, near	10028500	6,098	7,736	20,226	32,192	73,447	81,000	40,990	20,293	18,027	15,040	13,319	8,975
Node 10.01	USGS 10032000: Smiths Fork nr Border,WY	10032000	5,009	4,450	8,638	12,126	49,692	64,272	29,466	13,370	8,624	7,667	6,148	5,258
Node 11.00	USGS 10038000: Bear R. bel Smiths Fork, nr C	10038000	17,153	20,767	48,313	74,707	150,067	201,367	81,780	39,187	34,513	36,877	33,080	23,500
Node 12.00	USGS 10039500: Bear R. at Border, WY	10039500	18,950	22,400	51,690	75,760	145,567	206,667	81,847	37,510	32,103	34,320	32,543	24,390
Node 12.04	Stewart Dam	PP&L Gage	188	201	495	430	1,084	17,187	13,762	640	742	511	384	314

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Results Navigator**

**Select the Summary Output You Would Like to View**

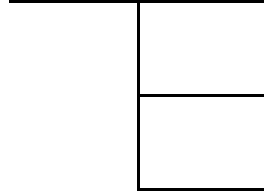
**Outflows**



Computed Outflow from each Reach is tabulated here.

Computed Outflows in each Reach are tabulated here.

**Diversions**

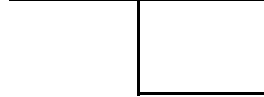


Computed Diversion from each Node is tabulated here.

Computed Diversions in each Reach are tabulated here.

Compare Computed with Historic Diversions

**Compact Allocations**



Upper Division Compact Allocation Worksheet

Central Division Compact Allocation Worksheet

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Outflow Summary Worksheet**

Results Options

**Summary of Outflow Calculations: By Node**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.00 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	77,918	114,516	42,370	13,797	11,754	9,336	8,357	6,912
Node 1.01 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	77,500	113,598	41,477	13,321	11,407	9,336	8,357	6,912
Node 1.02 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	77,117	112,544	40,316	12,509	10,968	9,336	8,357	6,912
Node 1.03 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	76,592	110,500	36,755	11,348	9,825	9,336	8,357	6,912
Node 1.04 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	76,128	108,825	35,231	10,675	9,629	9,336	8,357	6,912
Node 1.05 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	75,824	107,058	33,855	9,864	8,873	9,336	8,357	6,912
Node 1.06 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	75,918	107,971	34,815	10,539	9,466	9,574	8,436	6,920
Node 1.07 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	76,022	108,342	34,986	10,503	9,452	9,613	8,443	6,920
Node 1.08 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	76,258	109,083	35,793	11,244	10,064	9,865	8,524	6,939
Node 1.09 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	76,258	108,941	35,475	11,019	10,036	9,865	8,524	6,939
Node 1.10 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	75,917	108,422	34,756	10,367	9,572	9,865	8,524	6,939
Node 1.11 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	75,720	107,738	33,886	9,894	9,215	9,881	8,527	6,939
Node 1.12 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	75,567	107,573	33,657	9,982	9,081	9,900	8,529	6,939
Node 1.13 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	75,503	107,486	33,528	9,817	8,975	9,900	8,529	6,939
Node 1.15 NET Flow (In - Out)	1	6,148	8,472	17,725	22,826	75,433	107,121	33,089	9,620	9,045	9,932	8,543	6,939

**Reach 2 NET Flow (In - Out) Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 2.00 NET Flow (In - Out)	2	135	277	833	2,064	6,925	2,586	443	299	237	268	392	277
Node 2.01 NET Flow (In - Out)	2	135	277	833	2,064	6,925	2,598	455	311	249	268	392	277
Node 2.02 NET Flow (In - Out)	2	368	663	1,133	2,707	6,620	1,897	1,307	2,230	1,813	1,591	218	1,474
Node 2.03 NET Flow (In - Out)	2	451	834	1,560	3,230	7,461	1,544	162	2,098	2,230	1,921	411	1,586

**Reach 3 NET Flow (In - Out) Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 3.00 NET Flow (In - Out)	3	6,598	9,306	19,285	26,056	83,155	109,641	34,768	12,749	11,731	11,971	8,973	8,525
Node 3.01 NET Flow (In - Out)	3	6,598	9,306	19,285	26,056	83,258	109,669	34,523	12,668	11,974	12,072	9,003	8,525
Node 3.02 NET Flow (In - Out)	3	6,598	9,306	19,285	26,056	83,172	109,371	27,715	12,344	11,697	12,137	9,014	8,525



**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Reach 4 NET Flow (In - Out) Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 4.00 NET Flow (In - Out)	4	7,157	10,093	20,917	30,450	101,765	132,584	30,213	12,971	11,884	12,812	9,682	9,246
Node 4.01 NET Flow (In - Out)	4	7,157	10,093	20,917	30,450	101,461	132,076	30,098	12,858	11,841	12,905	9,709	9,246
Node 4.02 NET Flow (In - Out)	4	7,157	10,093	20,917	30,450	101,325	131,637	29,642	12,977	11,938	12,977	9,730	9,246
Node 4.03 NET Flow (In - Out)	4	7,157	10,093	20,917	30,450	101,251	131,281	29,074	12,827	12,037	13,029	9,745	9,246

**Reach 5 NET Flow (In - Out) Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 5.00 NET Flow (In - Out)	5	7,157	10,093	20,917	30,450	101,388	131,488	29,361	13,088	12,223	13,029	9,745	9,246
Node 5.01 NET Flow (In - Out)	5	7,157	10,093	20,917	30,450	100,053	130,393	28,875	13,258	12,251	13,087	9,757	9,247
Node 5.02 NET Flow (In - Out)	5	7,157	10,093	20,917	30,450	99,310	129,600	28,131	13,193	12,179	13,087	9,757	9,247
Node 5.03 NET Flow (In - Out)	5	7,157	10,093	20,917	30,450	100,075	130,462	28,834	13,518	12,408	13,144	9,774	9,247

**Reach 6 NET Flow (In - Out) Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 6.00 NET Flow (In - Out)	6	7,157	10,093	20,917	30,450	99,873	129,040	28,523	13,477	12,223	13,163	9,777	9,247
Node 6.01 NET Flow (In - Out)	6	5,380	5,070	17,060	28,007	96,599	129,453	32,507	12,770	10,720	12,720	11,997	7,410

**Reach 7 NET Flow (In - Out) Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 7.00 NET Flow (In - Out)	7	7,440	10,970	25,900	40,057	125,518	190,949	59,110	16,579	16,019	17,794	17,238	10,380
Node 7.01 NET Flow (In - Out)	7	7,440	10,970	25,900	40,057	98,766	122,133	34,110	14,834	14,146	17,794	17,238	10,380
Node 7.02 NET Flow (In - Out)	7	7,440	10,970	25,900	40,057	96,915	118,142	32,307	14,571	13,996	17,794	17,238	10,380
Node 7.03 NET Flow (In - Out)	7	7,440	10,970	25,900	40,057	99,857	124,964	35,346	14,871	14,447	17,794	17,238	10,380

**Reach 8 NET Flow (In - Out) Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 8.00 NET Flow (In - Out)	8	7,440	10,970	25,900	40,057	109,831	155,008	56,272	24,385	17,772	18,421	17,407	10,410
Node 8.01 NET Flow (In - Out)	8	6,098	7,736	20,226	32,192	83,203	91,903	40,990	20,293	18,027	15,040	13,319	8,975

**Reach 9 NET Flow (In - Out) Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 9.00 NET Flow (In - Out)	9	8,093	10,567	26,644	42,221	93,445	114,039	47,749	23,854	21,060	19,563	17,764	12,021
Node 9.01 NET Flow (In - Out)	9	17,153	20,767	48,313	74,707	159,823	212,270	81,780	39,187	34,513	36,877	33,080	23,500

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Reach 10 NET Flow (In - Out) Summary Table**

<b>NODE</b>	<b>Reach</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 10.01 NET Flow (In - Out)	10	9,060	10,199	21,669	32,486	70,487	109,215	43,189	20,600	14,782	16,849	15,172	11,442
Node 10.02 NET Flow (In - Out)	10	9,060	10,199	21,669	32,486	70,487	108,970	43,126	20,578	14,766	16,849	15,172	11,442
Node 10.03 NET Flow (In - Out)	10	9,060	10,199	21,669	32,486	70,487	108,676	42,424	20,121	14,738	16,852	15,174	11,442
Node 10.04 NET Flow (In - Out)	10	9,060	10,199	21,669	32,486	69,957	107,728	42,592	20,288	14,803	16,871	15,175	11,442
Node 10.05 NET Flow (In - Out)	10	9,060	10,199	21,669	32,486	67,903	103,757	38,802	17,343	13,428	16,889	15,176	11,442
Node 10.06 NET Flow (In - Out)	10	9,060	10,199	21,669	32,486	67,517	102,892	38,078	16,437	13,001	16,889	15,176	11,442
Node 10.07 NET Flow (In - Out)	10	9,060	10,199	21,669	32,486	67,491	102,697	37,769	16,171	12,933	16,889	15,176	11,442
Node 10.08 NET Flow (In - Out)	10	9,060	10,199	21,669	32,486	66,562	101,155	36,525	15,723	13,005	17,191	15,315	11,479
Node 10.09 NET Flow (In - Out)	10	9,060	10,199	21,669	32,486	64,751	97,365	34,587	15,155	12,898	17,191	15,315	11,479
Node 10.10 NET Flow (In - Out)	10	9,060	10,199	21,669	32,486	63,897	94,169	31,661	13,872	12,898	17,191	15,315	11,479

**Reach 11 NET Flow (In - Out) Summary Table**

<b>NODE</b>	<b>Reach</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 11.01 NET Flow (In - Out)	11	18,950	22,400	51,690	75,760	161,168	225,278	84,504	42,110	36,866	37,852	33,455	24,390
Node 11.02 NET Flow (In - Out)	11	18,950	22,400	51,690	75,760	160,610	222,080	84,375	42,220	36,956	37,873	33,455	24,390
Node 11.03 NET Flow (In - Out)	11	18,950	22,400	51,690	75,760	159,791	219,992	83,971	42,340	36,788	37,900	33,455	24,390
Node 11.04 NET Flow (In - Out)	11	18,950	22,400	51,690	75,760	155,323	217,570	81,847	37,510	32,103	34,320	32,543	24,390

**Reach 12 NET Flow (In - Out) Summary Table**

<b>NODE</b>	<b>Reach</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Node 12.00 NET Flow (In - Out)	11	18,950	22,400	51,690	75,760	156,187	220,253	83,359	38,246	32,508	34,419	32,579	24,390
Node 12.01 NET Flow (In - Out)	11	18,950	22,400	54,236	90,218	193,636	245,296	97,901	43,078	38,277	36,474	34,191	24,390
Node 12.02 NET Flow (In - Out)	11	18,950	22,400	54,236	90,218	182,149	216,616	84,112	36,007	33,270	36,474	34,191	24,390
Node 12.03 NET Flow (In - Out)	11	2,278	1,890	495	430	10,840	28,091	13,762	640	742	511	384	2,580
Node 12.04 NET Flow (In - Out)	11	188	201	495	430	10,840	28,091	13,762	640	742	511	384	314

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Summary of Outflow Calculations: By Reach**

<b>Reach</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
Reach 1	6,148	8,472	17,725	22,826	75,433	107,121	33,089	9,620	9,045	9,932	8,543	6,939
Reach 2	451	834	1,560	3,230	7,461	1,544	162	2,098	2,230	1,921	411	1,586
Reach 3	6,598	9,306	19,285	26,056	83,172	109,371	27,715	12,344	11,697	12,137	9,014	8,525
Reach 4	7,157	10,093	20,917	30,450	101,325	131,637	29,642	12,977	11,938	12,977	9,730	9,246
Reach 5	7,157	10,093	20,917	30,450	100,075	130,462	28,834	13,518	12,408	13,144	9,774	9,247
Reach 6	5,380	5,070	17,060	28,007	96,599	129,453	32,507	12,770	10,720	12,720	11,997	7,410
Reach 7	7,440	10,970	25,900	40,057	99,857	124,964	35,346	14,871	14,447	17,794	17,238	10,380
Reach 8	6,098	7,736	20,226	32,192	83,203	91,903	40,990	20,293	18,027	15,040	13,319	8,975
Reach 9	17,153	20,767	48,313	74,707	159,823	212,270	81,780	39,187	34,513	36,877	33,080	23,500
Reach 10	9,060	10,199	21,669	32,486	63,897	94,169	31,661	13,872	12,898	17,191	15,315	11,479
Reach 11	18,950	22,400	51,690	75,760	155,323	217,570	81,847	37,510	32,103	34,320	32,543	24,390
Reach 12	188	201	495	430	10,840	28,091	13,762	640	742	511	384	314

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Results Options

**Diversion Summary Worksheet**

**Summary of Diversion Calculations: By Node**

**Reach 1 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 1.00 Diversions	USGS 10011500: Bear River near	1	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.01 Diversions	Lannon & Lone Mountain	1	0	0	0	0	419	918	893	476	348	0	0	3,053
Node 1.02 Diversions	Hilliard West Side	1	0	0	0	0	383	1,054	1,161	812	439	0	0	3,849
Node 1.03 Diversions	Bear Canal	1	0	0	0	0	525	2,044	3,560	1,161	1,142	0	0	8,433
Node 1.04 Diversions	Crown & Pine Grove	1	0	0	0	0	463	1,675	1,524	673	196	0	0	4,532
Node 1.05 Diversions	McGraw & Big Bend	1	0	0	0	0	305	1,767	1,377	811	756	0	0	5,014
Node 1.06 Diversions	Lewis	1	0	0	0	0	161	353	414	355	182	0	0	1,465
Node 1.07 Diversions	Meyers No. 2	1	0	0	0	0	15	91	357	380	169	0	0	1,011
Node 1.08 Diversions	Meyers No. 1	1	0	0	0	0	19	30	305	278	73	0	0	705
Node 1.09 Diversions	Meyers Irrigation	1	0	0	0	0	0	143	319	225	28	0	0	715
Node 1.10 Diversions	Evanston Pipeline	1	0	0	0	0	342	519	719	652	464	0	0	2,695
Node 1.11 Diversions	Booth	1	0	0	0	0	202	693	951	567	407	0	0	2,819
Node 1.12 Diversions	Anel	1	0	0	0	0	153	235	405	77	202	0	0	1,072
Node 1.13 Diversions	Evanston Water Supply	1	0	0	0	0	64	87	130	165	106	0	0	551
Node 1.14 Diversions	Hilliard East Side	1	0	0	0	0	0	77	1,226	520	412	0	0	2,236
Node 1.15 Diversions	AggDiv BR-1	1	0	0	0	0	145	502	681	308	69	2	0	1,706

**Reach 2 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 2.00 Diversions	USGS 10015700: Sulphur Cr. ab l	2	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.01 Diversions	AggDiv SC-1/Broadbent	2	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.02 Diversions	Sulphur Creek Reservoir	2	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.03 Diversions	AggDiv SC-2	2	0	0	0	0	419	1,449	1,966	888	200	7	0	4,929

**Reach 3 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 3.00 Diversions	Confluence Sulphur Creek / Bear F	3	0	0	0	0	0	0	0	0	0	0	0	0
Node 3.01 Diversions	Evanston Water Ditch	3	0	0	0	0	0	356	848	560	118	0	0	1,881
Node 3.02 Diversions	Rocky Mtn & Blyth	3	0	0	0	0	102	484	886	762	499	0	0	2,732
														0

**Reach 4 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 4.00 Diversions	USGS 10016900: Bear R. at Evan:	4	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.01 Diversions	John Simms	4	0	0	0	0	353	695	483	507	352	0	0	2,390
Node 4.02 Diversions	S P Ramsey	4	0	0	0	0	229	686	759	194	142	0	0	2,010
Node 4.03 Diversions	AggDiv BR-2	4	0	0	0	0	205	708	961	434	99	3	0	2,411

**BEAR RIVER SPREADSHEET MODEL  
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**Reach 5 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 5.00 Diversions	Confluence Yellow Creek / Bear Ri	5	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.01 Diversions	Chapman Canal	5	0	0	0	0	1,483	1,623	1,266	321	208	0	0	4,901
Node 5.02 Diversions	Morris Bros (Lower)	5	0	0	0	0	743	793	744	65	72	0	0	2,417
Node 5.03 Diversions	AggDiv BR-3	5	0	0	0	0	92	319	433	195	43	1	0	1,084
Node 5.04 Diversions	Tunnel	5	0	0	0	0	245	1,581	559	210	259	0	0	2,854
														0

**Reach 6 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 6.00 Diversions	USGS 10020100: Bear R. ab res.	6	0	0	0	0	0	0	0	0	0	0	0	0
Node 6.01 Diversions	Woodruff Narrows Reservoir	6	0	0	0	0	0	0	0	0	0	0	0	0

**Reach 7 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 7.00 Diversions	USGS 10020300: Bear R. bel res.	7	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.01 Diversions	Francis Lee	7	0	0	0	0	1,091	2,831	1,236	37	301	0	0	5,497
Node 7.02 Diversions	Bear River Canal	7	0	0	0	0	1,851	3,991	1,802	262	150	0	0	8,056
Node 7.03 Diversions	Aggregate Utah Diversions	7	0	0	0	0	25,661	65,985	23,764	1,708	1,572	0	0	118,691

**Reach 8 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 8.00 Diversions	USGS 10026500: Bear R. nr Ran	8	0	0	0	0	0	0	0	0	0	0	0	0
Node 8.01 Diversions	Pixley Dam	8	0	0	0	0	5,224	6,427	639	79	18	0	0	12,388
Node 8.02 Diversions	BQ Dam	8	0	0	0	0	6,014	10,403	1,721	194	0	0	0	18,333

**Reach 9 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 9.00 Diversions	USGS 10028500: Bear R. bel Pixl	9	0	0	0	0	0	0	0	0	0	0	0	0
Node 9.01 Diversions	Confluence Smiths Fork / Bear	9	0	0	0	0	0	0	0	0	0	0	0	0
Node 9.02 Diversions	AggDiv BR-4	9	0	0	0	0	472	1,765	1,615	708	0	0	0	4,560

**Reach 10 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 10.01 Diversions	USGS 10032000: Smiths Fork nr l	10	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.02 Diversions	Button Flat	10	0	0	0	0	0	245	63	22	17	0	0	346
Node 10.03 Diversions	Emelle	10	0	0	0	0	0	404	761	491	42	0	0	1,698
Node 10.04 Diversions	Cooper	10	0	0	0	0	530	1,038	29	5	0	0	0	1,602
Node 10.05 Diversions	Covey	10	0	0	0	0	2,292	4,594	4,166	3,189	1,443	0	0	15,683
Node 10.06 Diversions	VH Canal	10	0	0	0	0	385	865	723	906	427	0	0	3,307
Node 10.07 Diversions	Goodell	10	0	0	0	0	26	195	309	266	68	0	0	865
Node 10.08 Diversions	Whites Water	10	0	0	0	0	1,118	2,078	1,941	1,251	534	0	0	6,922
Node 10.09 Diversions	S Branch Irrigating	10	0	0	0	0	1,811	3,790	1,938	568	107	0	0	8,214
Node 10.10 Diversions	AggDiv SF-1	10	0	0	0	0	854	3,197	2,926	1,283	0	0	0	8,259

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Reach 11 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 11.01 Diversions	AggDiv BR-5	11	0	0	0	0	581	2,177	1,992	874	0	0	0	5,624
Node 11.02 Diversions	Alonzo F. Sights	11	0	0	0	0	656	3,592	582	184	0	0	0	5,014
Node 11.03 Diversions	Oscar E. Snyder	11	0	0	0	0	1,054	3,275	1,214	356	286	0	0	6,186
Node 11.04 Diversions	Cook Brothers	11	0	0	0	0	1,531	4,163	1,041	274	455	0	0	7,464

**Reach 12 Diversions Summary Table**

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Node 12.01 Diversions	Confluence Thomas Fork	12	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.02 Diversions	Aggregate Idaho Diversions	12	0	0	0	0	11,487	28,680	13,788	7,071	5,008	0	0	66,034
Node 12.03 Diversions	Rainbow Inlet	12	16,672	20,510	53,741	89,788	174,526	197,474	76,965	39,597	36,646	34,007	21,810	796,784
Node 12.04 Diversions	Stewart Dam	12	0	0	0	0	0	0	0	0	0	0	0	0

**Summary of Diversion Calculations: By Reach**

Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Reach 1	0	0	0	0	3,194	10,187	14,021	7,460	4,992	2	0	0	39,856
Reach 2	0	0	0	0	419	1,449	1,966	888	200	7	0	0	4,929
Reach 3	0	0	0	0	102	840	1,734	1,322	616	0	0	0	4,613
Reach 4	0	0	0	0	787	2,090	2,203	1,135	593	3	0	0	6,811
Reach 5	0	0	0	0	2,562	4,317	3,002	791	583	1	0	0	11,257
Reach 6	0	0	0	0	0	0	0	0	0	0	0	0	0
Reach 7	0	0	0	0	28,603	72,807	26,803	2,007	2,024	0	0	0	132,244
Reach 8	0	0	0	0	11,238	16,830	2,360	274	18	0	0	0	30,721
Reach 9	0	0	0	0	472	1,765	1,615	708	0	0	0	0	4,560
Reach 10	0	0	0	0	7,017	16,406	12,857	7,979	2,638	0	0	0	46,897
Reach 11	0	0	0	0	3,822	13,207	4,829	1,688	741	0	0	0	24,288
Reach 12	16,672	20,510	53,741	89,788	186,013	226,154	90,754	46,668	40,055	36,646	34,007	21,810	862,818

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

**Comparison of Computed vs Historic Diversions**

Node	Name	Historic	Estimated	Difference	% Diff
Node 1.01	Lannon & Lone Mountain	3,053	3,053	0	0.0
Node 1.02	Hilliard West Side	3,849	3,849	0	0.0
Node 1.03	Bear Canal	8,433	8,433	0	0.0
Node 1.04	Crown & Pine Grove	4,532	4,532	0	0.0
Node 1.05	McGraw & Big Bend	5,014	5,014	0	0.0
Node 1.06	Lewis	1,465	1,465	0	0.0
Node 1.07	Meyers No. 2	1,011	1,011	0	0.0
Node 1.08	Meyers No. 1	705	705	0	0.0
Node 1.09	Meyers Irrigation	715	715	0	0.0
Node 1.10	Evanston Pipeline	2,695	2,695	0	0.0
Node 1.11	Booth	2,819	2,819	0	0.0
Node 1.12	Anel	1,072	1,072	0	0.0
Node 1.13	Evanston Water Supply	551	551	0	0.0
Node 1.15	AggDiv BR-1	1,706	1,706	0	0.0
Node 2.03	AggDiv SC-2	4,929	4,929	0	0.0
Node 3.01	Evanston Water Ditch	1,881	1,881	0	0.0
Node 3.02	Rocky Mtn & Blyth	2,732	2,732	0	0.0
Node 4.01	John Simms	2,390	2,390	0	0.0
Node 4.02	S P Ramsey	2,010	2,010	0	0.0
Node 4.03	AggDiv BR-2	2,411	2,411	0	0.0
Node 5.01	Chapman Canal	4,901	4,901	0	0.0
Node 5.02	Morris Bros (Lower)	2,417	2,417	0	0.0
Node 5.03	AggDiv BR-3	1,084	1,084	0	0.0
Node 5.04	Tunnel	2,854	2,854	0	0.0
Node 7.01	Francis Lee	5,497	5,497	0	0.0
Node 7.02	Bear River Canal	8,056	8,056	0	0.0
Node 7.03	Aggregate Utah Diversions	118,691	118,691	0	0.0
Node 8.02	BQ Dam	18,333	18,333	0	0.0
Node 9.02	AggDiv BR-4	4,560	4,560	0	0.0
Node 10.02	Button Flat	346	346	0	0.0
Node 10.03	Emelle	1,698	1,698	0	0.0
Node 10.04	Cooper	1,602	1,602	0	0.0
Node 10.05	Covey	15,683	15,683	0	0.0
Node 10.06	VH Canal	3,307	3,307	0	0.0
Node 10.07	Goodell	865	865	0	0.0
Node 10.08	Whites Water	6,922	6,922	0	0.0
Node 10.09	S Branch Irrigating	8,214	8,214	0	0.0
Node 10.10	AggDiv SF-1	8,259	8,259	0	0.0
Node 11.01	AggDiv BR-5	5,624	5,624	0	0.0
Node 11.02	Alonzo F. Sights	5,014	5,014	0	0.0
Node 11.03	Oscar E. Snyder	6,186	6,186	0	0.0
Node 11.04	Cook Brothers	7,464	7,464	0	0.0
Node 12.02	Aggregate Idaho Diversions	66,034	66,034	0	0.0
Node 12.03	Rainbow Inlet	796,784	796,784	0	0.0
Node 12.04	Stewart Dam	0	0	0	#DIV/0!

**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Results Options

**Wet Year  
Bear River Commission Water Allocation  
Upper Division**

	May	Jun	Jul	Aug	Sep	
	41.2	592.2	813.7	559.4	324.2	Upper Utah Section Diversion (1)
	7,065	18,883	22,926	11,596	6,984	Upper Wyoming Section Diversion
	12,931	10,903	(3,920)	427	1,271	Woodruff Narrows Reservoir Change in Storage Water
	28,603	72,807	26,803	2,007	2,024	Lower Utah Section Diversions
	11,238	16,830	2,360	274	18	Lower Wyoming Section Diversions
	83,203	91,903	40,990	20,293	18,027	Bear River Below Pixley Dam
	143,081	211,919	89,972	35,157	28,647	<b>Total Upper Division Divertible Flow (ac-ft)</b>
Is Total Upper Division Divertible Flow less than 1250 cfs? If so, Water Emergency (W.E.) exists.	2,327	3,561	1,463	572	481	<b>(cfs)</b>

**No W.E. No W.E. No W.E.**

**W.E. W.E.**

				211	172	Upper Utah Section Allocation
				17,332	14,123	Upper Wyoming Allocation
				14,238	11,602	Lower Utah Section Allocation
				3,375	2,750	Lower Wyoming Section Allocation



**BEAR RIVER SPREADSHEET MODEL  
WET YEAR CONDITIONS**

Results Options

**Bear River Commission Water Allocation  
Central Division**

May	Jun	Jul	Aug	Sep	
11,310	31,379	19,302	10,375	3,379	(1) Wyoming Diversions
+	+	+	+	+	
11,487	28,680	13,788	7,071	5,008	(2) Idaho Diversions
+	+	+	+	+	
174,526	197,474	76,965	39,597	35,047	(3) Rainbow Inlet Canal plus Bear River Main Stem Flow Below Stewart Dam
=	=	=	=	=	

Is Total Divertible Flow (2) < 870 cfs? If so, Water  
Emergency (**W.E.**) exists.

197,323	257,533	110,055	57,043	43,434	Total Central Division Divertible Flow (ac-ft)
3,209.1	4,328.0	1,789.9	958.6	729.9	(cfs)
				<b>W.E.</b>	

OR

Is Flow at Border < 350 cfs? If so, Water Emergency  
(**W.E.**) exists.

155,323	217,570	81,847	37,510	32,103	Flow of Bear River at Border Gaging Station (ac-ft)
2,610.3	3,656.4	1,331.1	630.4	539.5	(cfs)

				18,677	Allocation in the State of Wyoming
				24,757	Allocation in the State of Idaho