APPENDIX A

BEAR RIVER DRY YEAR MODEL OUTPUT

Bear River Planning Model: Dry Year Condition

Central Navigation Worksheet

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:

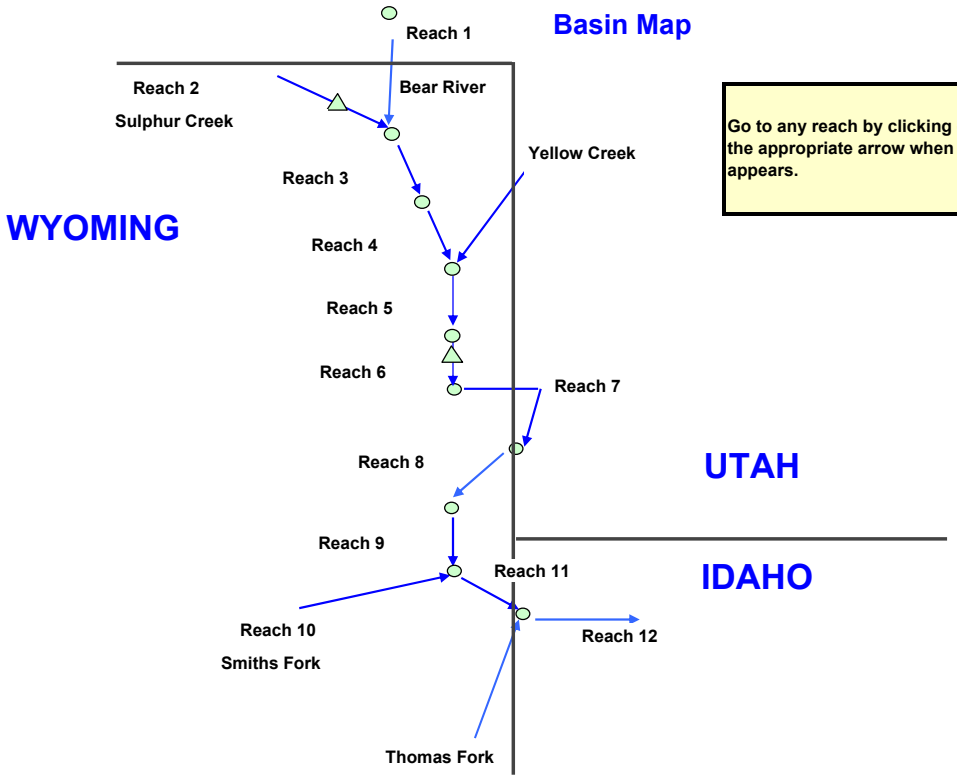
Reach 7: USGS Gage 10020300 (Bear River below Woodruff Narrows Reservoir) to USGS Gage 10026500 (Bear River near Randolph, UT)

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
Dry Year Conditions

Basin Map



Go to any reach by clicking on the Reach Number or the appropriate arrow when the "Hand" icon appears.

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.Bl.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)
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

Bear River Spreadsheet Model
Dry Year Conditions

Node 9.01	Confluence Smiths Fork / Bear
Node 9.02	AggDiv BR-4
Node 10.00	Quinn Bourne
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
Node 12.01	Confluence Thomas Fork
Node 12.02	Aggregate Idaho Diversions
Node 12.03	Rainbow Inlet
Node 12.04	Stewart Dam
-	-

Insert new nodes

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | HELP with NODE Tables | Reach 2

Reach 1: Wyoming/Utah Stateline to Confluence with Sulphur Creek

DRY

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	2,440	2,043	2,277	6,495	29,835	23,208	7,595	3,577	2,653	2,895	2,578	2,433
Node 1.00 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
Reach 1, 2 & Ungaged Gains	0	21	3,660	5,163	1,332	3,235	0	0	0	0	0	0
Node 1.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 1.00 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**31,167**	**26,443**	**7,595**	**3,577**	**2,653**	**2,895**	**2,578**	**2,433**
Outflow From This Node												
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
Total Node 1.00 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 1.00 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**31,167**	**26,443**	**7,595**	**3,577**	**2,653**	**2,895**	**2,578**	**2,433**

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	2,440	2,064	5,937	11,658	31,167	26,443	7,595	3,577	2,653	2,895	2,578	2,433
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
Total Node 1.01 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**31,167**	**26,443**	**7,595**	**3,577**	**2,653**	**2,895**	**2,578**	**2,433**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.01 Diversions	0	0	0	0	886	1,010	554	115	85	0	0	0
Total Node 1.01 Outflow	**0**	**0**	**0**	**0**	**886**	**1,010**	**554**	**115**	**85**	**0**	**0**	**0**
Node 1.01 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**30,281**	**25,433**	**7,041**	**3,462**	**2,569**	**2,895**	**2,578**	**2,433**

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	2,440	2,064	5,937	11,658	30,281	25,433	7,041	3,462	2,569	2,895	2,578	2,433
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
Total Node 1.02 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**30,281**	**25,433**	**7,041**	**3,462**	**2,569**	**2,895**	**2,578**	**2,433**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.02 Diversions	0	0	0	0	975	1,720	911	201	184	0	0	0
Total Node 1.02 Outflow	**0**	**0**	**0**	**0**	**975**	**1,720**	**911**	**201**	**184**	**0**	**0**	**0**
Node 1.02 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**29,306**	**23,713**	**6,129**	**3,261**	**2,385**	**2,895**	**2,578**	**2,433**

Bear River Spreadsheet Model
Dry Year Conditions

Node 1.03 Bear Canal

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.03 Node Inflow	2,440	2,064	5,937	11,658	29,306	23,713	6,129	3,261	2,385	2,895	2,578	2,433
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
Total Node 1.03 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**29,306**	**23,713**	**6,129**	**3,261**	**2,385**	**2,895**	**2,578**	**2,433**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.03 Diversions	0	0	0	0	2,071	3,456	1,886	551	384	0	0	0
Total Node 1.03 Outflow	**0**	**0**	**0**	**0**	**2,071**	**3,456**	**1,886**	**551**	**384**	**0**	**0**	**0**
Node 1.03 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**27,235**	**20,257**	**4,244**	**2,710**	**2,000**	**2,895**	**2,578**	**2,433**

Node 1.04 Crown & Pine Grove

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.04 Node Inflow	2,440	2,064	5,937	11,658	27,235	20,257	4,244	2,710	2,000	2,895	2,578	2,433
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
Total Node 1.04 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**27,235**	**20,257**	**4,244**	**2,710**	**2,000**	**2,895**	**2,578**	**2,433**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.04 Diversions	0	0	0	0	770	1,479	725	207	181	0	0	0
Total Node 1.04 Outflow	**0**	**0**	**0**	**0**	**770**	**1,479**	**725**	**207**	**181**	**0**	**0**	**0**
Node 1.04 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**26,465**	**18,778**	**3,519**	**2,503**	**1,819**	**2,895**	**2,578**	**2,433**

Node 1.05 McGraw & Big Bend

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.05 Node Inflow	2,440	2,064	5,937	11,658	26,465	18,778	3,519	2,503	1,819	2,895	2,578	2,433
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
Total Node 1.05 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**26,465**	**18,778**	**3,519**	**2,503**	**1,819**	**2,895**	**2,578**	**2,433**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.05 Diversions	0	0	0	0	1,044	1,105	422	200	107	0	0	0
Total Node 1.05 Outflow	**0**	**0**	**0**	**0**	**1,044**	**1,105**	**422**	**200**	**107**	**0**	**0**	**0**
Node 1.05 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**25,421**	**17,673**	**3,097**	**2,303**	**1,712**	**2,895**	**2,578**	**2,433**

Bear River Spreadsheet Model
Dry Year Conditions

Node 1.06 Lewis

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.06 Node Inflow	2,440	2,064	5,937	11,658	25,421	17,673	3,097	2,303	1,712	2,895	2,578	2,433
Node 1.06 Irrigation Returns	0	0	0	0	710	1,068	744	412	211	60	16	2
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
Total Node 1.06 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**26,131**	**18,741**	**3,841**	**2,715**	**1,924**	**2,955**	**2,595**	**2,435**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.06 Diversions	0	0	0	0	152	333	370	116	37	0	0	0
Total Node 1.06 Outflow	**0**	**0**	**0**	**0**	**152**	**333**	**370**	**116**	**37**	**0**	**0**	**0**
Node 1.06 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**25,978**	**18,408**	**3,471**	**2,599**	**1,886**	**2,955**	**2,595**	**2,435**

Node 1.07 Meyers No. 2

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.07 Node Inflow	2,440	2,064	5,937	11,658	25,978	18,408	3,471	2,599	1,886	2,955	2,595	2,435
Node 1.07 Irrigation Returns	0	0	0	0	197	434	321	160	88	21	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
Total Node 1.07 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**26,175**	**18,842**	**3,793**	**2,759**	**1,974**	**2,976**	**2,601**	**2,435**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.07 Diversions	0	0	0	0	90	277	373	184	121	0	0	0
Total Node 1.07 Outflow	**0**	**0**	**0**	**0**	**90**	**277**	**373**	**184**	**121**	**0**	**0**	**0**
Node 1.07 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**26,085**	**18,565**	**3,420**	**2,575**	**1,853**	**2,976**	**2,601**	**2,435**

Node 1.18 Confluence Mill Cr.

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.18 Node Inflow	2,440	2,064	5,937	11,658	26,085	18,565	3,420	2,575	1,853	2,976	2,601	2,435
Node 1.18 Irrigation Returns	0	0	0	0	331	598	508	309	178	60	16	4
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
Total Node 1.18 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**26,416**	**19,164**	**3,929**	**2,884**	**2,031**	**3,036**	**2,617**	**2,440**
Outflow From This Node												
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
Total Node 1.18 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 1.18 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**26,416**	**19,164**	**3,929**	**2,884**	**2,031**	**3,036**	**2,617**	**2,440**

Bear River Spreadsheet Model
Dry Year Conditions

Node 1.08 Meyers No. 1

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.08 Node Inflow	2,440	2,064	5,937	11,658	26,416	19,164	3,929	2,884	2,031	3,036	2,617	2,440
Node 1.08 Irrigation Returns	0	0	0	0	121	339	476	301	176	44	11	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
Total Node 1.08 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**26,537**	**19,503**	**4,404**	**3,184**	**2,207**	**3,080**	**2,629**	**2,440**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.08 Diversions	0	0	0	0	170	233	226	168	59	0	0	0
Total Node 1.08 Outflow	**0**	**0**	**0**	**0**	**170**	**233**	**226**	**168**	**59**	**0**	**0**	**0**
Node 1.08 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**26,366**	**19,270**	**4,179**	**3,016**	**2,148**	**3,080**	**2,629**	**2,440**

Node 1.09 Meyers Irrigation

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.09 Node Inflow	2,440	2,064	5,937	11,658	26,366	19,270	4,179	3,016	2,148	3,080	2,629	2,440
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
Total Node 1.09 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**26,366**	**19,270**	**4,179**	**3,016**	**2,148**	**3,080**	**2,629**	**2,440**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.09 Diversions	0	0	0	0	230	248	204	121	46	0	0	0
Total Node 1.09 Outflow	**0**	**0**	**0**	**0**	**230**	**248**	**204**	**121**	**46**	**0**	**0**	**0**
Node 1.09 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**26,136**	**19,022**	**3,975**	**2,895**	**2,102**	**3,080**	**2,629**	**2,440**

Node 1.10 Evanston Pipeline

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.10 Node Inflow	2,440	2,064	5,937	11,658	26,136	19,022	3,975	2,895	2,102	3,080	2,629	2,440
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
Total Node 1.10 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**26,136**	**19,022**	**3,975**	**2,895**	**2,102**	**3,080**	**2,629**	**2,440**
Outflow From This Node												
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
Total Node 1.10 Outflow	**0**	**0**	**0**	**0**	**342**	**519**	**719**	**652**	**464**	**0**	**0**	**0**
Node 1.10 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**25,795**	**18,503**	**3,256**	**2,243**	**1,638**	**3,080**	**2,629**	**2,440**

Bear River Spreadsheet Model
Dry Year Conditions

Node 1.11 Booth

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.11 Node Inflow	2,440	2,064	5,937	11,658	25,795	18,503	3,256	2,243	1,638	3,080	2,629	2,440
Node 1.11 Irrigation Returns	0	0	0	0	43	72	81	68	36	10	2	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
Total Node 1.11 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**25,838**	**18,575**	**3,337**	**2,311**	**1,674**	**3,091**	**2,631**	**2,440**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.11 Diversions	0	0	0	0	437	757	502	335	169	0	0	0
Total Node 1.11 Outflow	**0**	**0**	**0**	**0**	**437**	**757**	**502**	**335**	**169**	**0**	**0**	**0**
Node 1.11 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**25,401**	**17,818**	**2,834**	**1,976**	**1,505**	**3,091**	**2,631**	**2,440**

Node 1.12 Anel

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.12 Node Inflow	2,440	2,064	5,937	11,658	25,401	17,818	2,834	1,976	1,505	3,091	2,631	2,440
Node 1.12 Irrigation Returns	0	0	0	0	113	154	151	105	54	15	3	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
Total Node 1.12 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**25,514**	**17,972**	**2,985**	**2,082**	**1,559**	**3,106**	**2,634**	**2,440**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.12 Diversions	0	0	0	0	226	336	208	57	21	0	0	0
Total Node 1.12 Outflow	**0**	**0**	**0**	**0**	**226**	**336**	**208**	**57**	**21**	**0**	**0**	**0**
Node 1.12 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**25,288**	**17,636**	**2,777**	**2,025**	**1,538**	**3,106**	**2,634**	**2,440**

Node 1.13 Evanston Water Supply

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.13 Node Inflow	2,440	2,064	5,937	11,658	25,288	17,636	2,777	2,025	1,538	3,106	2,634	2,440
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
Total Node 1.13 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**25,288**	**17,636**	**2,777**	**2,025**	**1,538**	**3,106**	**2,634**	**2,440**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.13 Diversions	0	0	0	0	141	282	257	181	57	0	0	0
Total Node 1.13 Outflow	**0**	**0**	**0**	**0**	**141**	**282**	**257**	**181**	**57**	**0**	**0**	**0**
Node 1.13 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,658**	**25,147**	**17,354**	**2,520**	**1,844**	**1,481**	**3,106**	**2,634**	**2,440**

Bear River Spreadsheet Model
Dry Year Conditions

Node 1.15 AggDiv BR-1

Inflow To This Node	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
Node 1.15 Node Inflow	2,440	2,064	5,937	11,658	25,147	17,354	2,520	1,844	1,481	3,106	2,634	2,440
Node 1.15 Irrigation Returns	0	0	0	0	111	196	165	80	33	7	1	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
Total Node 1.15 Inflow	**2,440**	**2,064**	**5,937**	**11,658**	**25,258**	**17,550**	**2,685**	**1,924**	**1,514**	**3,113**	**2,635**	**2,440**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.15 Diversions	0	0	0	15	263	772	761	329	121	14	0	0
Total Node 1.15 Outflow	**0**	**0**	**0**	**15**	**263**	**772**	**761**	**329**	**121**	**14**	**0**	**0**
Node 1.15 NET Flow (In - Out)	**2,440**	**2,064**	**5,937**	**11,643**	**24,995**	**16,778**	**1,924**	**1,595**	**1,392**	**3,098**	**2,635**	**2,440**

END OF REACH 1

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | Reach 3 | Reach 1

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

Node 2.00 USGS 10015700: Sulphur Cr. ab Res.Bl.La Chapelle Cr.Nr.Evanston,WY												DRY
Inflow To This Node	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
Node 2.00 Gage Inflow	96	97	468	639	644	363	65	34	12	51	102	115
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
Total Node 2.00 Inflow	**96**	**97**	**468**	**639**	**644**	**363**	**65**	**34**	**12**	**51**	**102**	**115**
Outflow From This Node												
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
Total Node 2.00 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 2.00 NET Flow (In - Out)	**96**	**97**	**468**	**639**	**644**	**363**	**65**	**34**	**12**	**51**	**102**	**115**

Node 2.01 AggDiv SC-1/Broadbent

Inflow To This Node	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
Node 2.01 Node Inflow	96	97	468	639	644	363	65	34	12	51	102	115
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
Total Node 2.01 Inflow	**96**	**97**	**468**	**639**	**644**	**375**	**77**	**46**	**24**	**51**	**102**	**115**
Outflow From This Node												
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
Total Node 2.01 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 2.01 NET Flow (In - Out)	**96**	**97**	**468**	**639**	**644**	**375**	**77**	**46**	**24**	**51**	**102**	**115**

Node 2.02 Sulphur Creek Reservoir **Reservoir Node**

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 2.02 Node Inflow	96	97	468	639	644	375	77	46	24	51	102	115
Node 2.02 Irrigation Returns	0	0	0	0	865	1,912	1,796	1,222	800	302	90	32
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
Total Node 2.02 Inflow	**96**	**97**	**468**	**639**	**1,508**	**2,287**	**1,873**	**1,268**	**824**	**353**	**192**	**147**
Outflow from Reservoir												
Node 2.02 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.02 Historic Target Release	46	20	635	1,785	2,792	1,958	1,918	1,410	1,049	191	130	151
Node 2.02 Reservoir Evaporation	59	59	72	97	130	189	219	197	139	85	65	75
Reservoir Node 2.02 Total Outflow	**105**	**79**	**707**	**1,882**	**2,922**	**2,147**	**2,137**	**1,606**	**1,189**	**276**	**195**	**226**
Calculation of Reservoir End-of-Month Contents												
Change in Storage	(9)	18	(239)	(1,243)	(1,413)	140	(264)	(338)	(364)	77	(3)	(78)
Starting End-of-Month Contents	15,000		**Max Storage Capacity**			19,774	**Inactive Storage Pool**			486		
EOM Content (w/o max capacity limitation)	14,991	15,009	14,770	13,527	12,114	12,254	11,990	11,652	11,287	11,364	11,361	11,283
Node 2.02 Actual Release	46	20	635	1,785	2,792	1,958	1,918	1,410	1,049	191	130	151
Node 2.02 Spill	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.02 End-of-Month Contents	**14,991**	**15,009**	**14,770**	**13,527**	**12,114**	**12,254**	**11,990**	**11,652**	**11,287**	**11,364**	**11,361**	**11,283**
Node 2.02 NET Flow (In - Out)	**46**	**20**	**635**	**1,785**	**2,792**	**1,958**	**1,918**	**1,410**	**1,049**	**191**	**130**	**151**

Node 2.03 AggDiv SC-2

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 2.03 Node Inflow	46	20	635	1,785	2,792	1,958	1,918	1,410	1,049	191	130	151
Node 2.03 Irrigation Returns	0	0	0	0	367	773	742	527	335	125	37	12
Reach 1, 2 ¿Ungaged Gains	0	1	113	160	41	100	0	0	0	0	0	0
Node 2.03 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 2.03 Inflow	**46**	**21**	**748**	**1,945**	**3,199**	**2,831**	**2,660**	**1,937**	**1,384**	**316**	**167**	**163**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.03 Diversions	0	0	0	44	757	2,230	2,192	949	351	41	0	0
Total Node 2.03 Outflow	**0**	**0**	**0**	**44**	**757**	**2,230**	**2,192**	**949**	**351**	**41**	**0**	**0**
Node 2.03 NET Flow (In - Out)	**46**	**21**	**748**	**1,901**	**2,442**	**601**	**467**	**988**	**1,033**	**275**	**167**	**163**

END OF REACH 2

Bear River Spreadsheet Model
Dry 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 **DRY**

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 3.00 Node Inflow	2,440	2,064	5,937	11,643	24,995	16,778	1,924	1,595	1,392	3,098	2,635	2,440
Node 3.00 Inflow from Sulphur Creek	46	21	748	1,901	2,442	601	467	988	1,033	275	167	163
Node 3.00 Irrigation Returns	0	0	0	27	479	1,525	1,828	1,178	582	172	38	4
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
Total Node 3.00 Inflow	**2,486**	**2,085**	**6,685**	**13,571**	**27,916**	**18,905**	**4,219**	**3,761**	**3,007**	**3,546**	**2,841**	**2,606**
Outflow From This Node												
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
Total Node 3.00 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 3.00 NET Flow (In - Out)	**2,486**	**2,085**	**6,685**	**13,571**	**27,916**	**18,905**	**4,219**	**3,761**	**3,007**	**3,546**	**2,841**	**2,606**

Node 3.01 Evanston Water Ditch

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 3.01 Node Inflow	2,486	2,085	6,685	13,571	27,916	18,905	4,219	3,761	3,007	3,546	2,841	2,606
Node 3.01 Irrigation Returns	0	0	0	0	223	451	399	300	172	49	12	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
Total Node 3.01 Inflow	**2,486**	**2,085**	**6,685**	**13,571**	**28,140**	**19,355**	**4,618**	**4,061**	**3,179**	**3,595**	**2,853**	**2,606**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 3.01 Diversions	0	0	0	0	616	1,197	895	603	336	0	0	0
Total Node 3.01 Outflow	**0**	**0**	**0**	**0**	**616**	**1,197**	**895**	**603**	**336**	**0**	**0**	**0**
Node 3.01 NET Flow (In - Out)	**2,486**	**2,085**	**6,685**	**13,571**	**27,523**	**18,158**	**3,724**	**3,458**	**2,843**	**3,595**	**2,853**	**2,606**

Node 3.02 Rocky Mtn & Blyth

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 3.02 Node Inflow	2,486	2,085	6,685	13,571	27,523	18,158	3,724	3,458	2,843	3,595	2,853	2,606
Node 3.02 Irrigation Returns	0	0	0	0	312	697	685	537	322	92	24	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
Total Node 3.02 Inflow	**2,486**	**2,085**	**6,685**	**13,571**	**27,836**	**18,856**	**4,409**	**3,995**	**3,165**	**3,687**	**2,877**	**2,606**
Outflow From This Node												
Reach 1, 2 & Ungaged Losses	381	0	0	0	0	0	569	2,225	2,153	2,746	1,845	1,222
Node 3.02 Diversions	0	0	0	0	474	600	344	214	170	0	0	0
Total Node 3.02 Outflow	**381**	**0**	**0**	**0**	**474**	**600**	**913**	**2,439**	**2,322**	**2,746**	**1,845**	**1,222**
Node 3.02 NET Flow (In - Out)	**2,104**	**2,085**	**6,685**	**13,571**	**27,361**	**18,256**	**3,495**	**1,556**	**843**	**941**	**1,031**	**1,384**

END OF REACH 3

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | Reach 5 | Reach 3

Reach 4: USGS Gage 10016900 (Bear River at Evanston, WY) to Confluence of Bear River and Yellow Creek

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

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 4.00 Node Inflow	2,104	2,085	6,685	13,571	27,361	18,256	3,495	1,556	843	941	1,031	1,384
Node 4.00 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
reach 4 & 5 Ungaged Gains	130	104	0	0	0	1,962	0	0	0	0	614	434
Node 4.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 4.00 Inflow	**2,235**	**2,189**	**6,685**	**13,571**	**27,361**	**20,217**	**3,495**	**1,556**	**843**	**941**	**1,645**	**1,818**
Outflow From This Node												
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
Total Node 4.00 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 4.00 NET Flow (In - Out)	**2,235**	**2,189**	**6,685**	**13,571**	**27,361**	**20,217**	**3,495**	**1,556**	**843**	**941**	**1,645**	**1,818**

Node 4.01 John Simms

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 4.01 Node Inflow	2,235	2,189	6,685	13,571	27,361	20,217	3,495	1,556	843	941	1,645	1,818
Node 4.01 Irrigation Returns	0	0	0	0	185	313	274	200	125	36	10	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 4.01 Inflow	**2,235**	**2,189**	**6,685**	**13,571**	**27,546**	**20,530**	**3,770**	**1,756**	**968**	**977**	**1,655**	**1,818**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.01 Diversions	0	0	0	0	627	616	428	298	193	0	0	0
Total Node 4.01 Outflow	**0**	**0**	**0**	**0**	**627**	**616**	**428**	**298**	**193**	**0**	**0**	**0**
Node 4.01 NET Flow (In - Out)	**2,235**	**2,189**	**6,685**	**13,571**	**26,919**	**19,914**	**3,342**	**1,458**	**775**	**977**	**1,655**	**1,818**

Node 4.02 S P Ramsey

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 4.02 Node Inflow	2,235	2,189	6,685	13,571	26,919	19,914	3,342	1,458	775	977	1,655	1,818
Node 4.02 Irrigation Returns	0	0	0	0	204	277	234	167	114	33	9	0
na Ungaged Gains	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.02 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 4.02 Inflow	**2,235**	**2,189**	**6,685**	**13,571**	**27,123**	**20,191**	**3,575**	**1,625**	**888**	**1,009**	**1,664**	**1,818**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.02 Diversions	0	0	0	0	635	747	311	227	116	0	0	0
Total Node 4.02 Outflow	**0**	**0**	**0**	**0**	**635**	**747**	**311**	**227**	**116**	**0**	**0**	**0**
Node 4.02 NET Flow (In - Out)	**2,235**	**2,189**	**6,685**	**13,571**	**26,488**	**19,444**	**3,265**	**1,398**	**772**	**1,009**	**1,664**	**1,818**

Bear River Spreadsheet Model
Dry Year Conditions

Node 4.03 AggDiv BR-2

Inflow To This Node	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
Node 4.03 Node Inflow	2,235	2,189	6,685	13,571	26,488	19,444	3,265	1,398	772	1,009	1,664	1,818
Node 4.03 Irrigation Returns	0	0	0	0	287	393	297	212	128	37	10	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
Total Node 4.03 Inflow	**2,235**	**2,189**	**6,685**	**13,571**	**26,775**	**19,836**	**3,562**	**1,609**	**900**	**1,046**	**1,674**	**1,818**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.03 Diversions	0	0	0	21	372	1,091	1,073	465	171	21	0	0
Total Node 4.03 Outflow	**0**	**0**	**0**	**21**	**372**	**1,091**	**1,073**	**465**	**171**	**21**	**0**	**0**
Node 4.03 NET Flow (In - Out)	**2,235**	**2,189**	**6,685**	**13,550**	**26,403**	**18,746**	**2,489**	**1,145**	**729**	**1,025**	**1,674**	**1,818**

END OF REACH 4

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | Reach 6 | Reach 4

Reach 5: Confluence of Bear River and Yellow Creek to USGS Gage 10020100 (Bear River above Reservoir, near Woodruff, UT)

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

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 5.00 Node Inflow	2,235	2,189	6,685	13,550	26,403	18,746	2,489	1,145	729	1,025	1,674	1,818
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
Total Node 5.00 Inflow	**2,235**	**2,189**	**6,685**	**13,550**	**26,540**	**18,953**	**2,777**	**1,405**	**915**	**1,025**	**1,674**	**1,818**
Outflow From This Node												
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
Total Node 5.00 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 5.00 NET Flow (In - Out)	**2,235**	**2,189**	**6,685**	**13,550**	**26,540**	**18,953**	**2,777**	**1,405**	**915**	**1,025**	**1,674**	**1,818**

Node 5.01 Chapman Canal

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 5.01 Node Inflow	2,235	2,189	6,685	13,550	26,540	18,953	2,777	1,405	915	1,025	1,674	1,818
Node 5.01 Irrigation Returns	0	0	0	10	321	769	806	526	263	78	18	1
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
Total Node 5.01 Inflow	**2,235**	**2,189**	**6,685**	**13,560**	**26,861**	**19,722**	**3,583**	**1,931**	**1,178**	**1,103**	**1,692**	**1,819**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.01 Diversions	0	0	0	0	2,913	2,919	968	306	192	0	0	0
Total Node 5.01 Outflow	**0**	**0**	**0**	**0**	**2,913**	**2,919**	**968**	**306**	**192**	**0**	**0**	**0**
Node 5.01 NET Flow (In - Out)	**2,235**	**2,189**	**6,685**	**13,560**	**23,949**	**16,803**	**2,615**	**1,625**	**986**	**1,103**	**1,692**	**1,819**

Node 5.02 Morris Bros (Lower)

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 5.02 Node Inflow	2,235	2,189	6,685	13,560	23,949	16,803	2,615	1,625	986	1,103	1,692	1,819
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
Total Node 5.02 Inflow	**2,235**	**2,189**	**6,685**	**13,560**	**23,949**	**16,803**	**2,615**	**1,625**	**986**	**1,103**	**1,692**	**1,819**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.02 Diversions	0	0	0	0	143	179	116	52	80	0	0	0
Total Node 5.02 Outflow	**0**	**0**	**0**	**0**	**143**	**179**	**116**	**52**	**80**	**0**	**0**	**0**
Node 5.02 NET Flow (In - Out)	**2,235**	**2,189**	**6,685**	**13,560**	**23,805**	**16,624**	**2,498**	**1,574**	**906**	**1,103**	**1,692**	**1,819**

Bear River Spreadsheet Model
Dry Year Conditions

Node 5.03 AggDiv BR-3

Inflow To This Node	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
Node 5.03 Node Inflow	2,235	2,189	6,685	13,560	23,805	16,624	2,498	1,574	906	1,103	1,692	1,819
Node 5.03 Irrigation Returns	0	0	0	0	1,508	1,946	1,159	526	228	54	16	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
Total Node 5.03 Inflow	**2,235**	**2,189**	**6,685**	**13,560**	**25,313**	**18,571**	**3,657**	**2,099**	**1,135**	**1,158**	**1,707**	**1,819**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.03 Diversions	0	0	0	10	167	491	483	209	77	9	0	0
Total Node 5.03 Outflow	**0**	**0**	**0**	**10**	**167**	**491**	**483**	**209**	**77**	**9**	**0**	**0**
Node 5.03 NET Flow (In - Out)	**2,235**	**2,189**	**6,685**	**13,550**	**25,146**	**18,080**	**3,174**	**1,890**	**1,057**	**1,149**	**1,707**	**1,819**

Node 5.04 Tunnel

Inflow To This Node	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
Node 5.04 Node Inflow	2,235	2,189	6,685	13,550	25,146	18,080	3,174	1,890	1,057	1,149	1,707	1,819
Node 5.04 Irrigation Returns	0	0	0	4	78	249	299	193	95	28	6	1
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
Total Node 5.04 Inflow	**2,235**	**2,189**	**6,685**	**13,555**	**25,224**	**18,329**	**3,473**	**2,083**	**1,153**	**1,177**	**1,714**	**1,820**
Outflow From This Node												
reach 4 & 5 Ungaged Losses	0	0	67	3,243	1,001	0	1,344	1,042	369	107	0	0
Node 5.04 Diversions	0	0	0	0	575	1,173	376	120	81	0	0	0
Total Node 5.04 Outflow	**0**	**0**	**67**	**3,243**	**1,576**	**1,173**	**1,720**	**1,162**	**449**	**107**	**0**	**0**
Node 5.04 NET Flow (In - Out)	**2,235**	**2,189**	**6,618**	**10,311**	**23,649**	**17,156**	**1,753**	**921**	**703**	**1,070**	**1,714**	**1,820**

END OF REACH 5

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | Reach 7 | Reach 5

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 **DRY**

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 6.00 Node Inflow	2,235	2,189	6,618	10,311	23,649	17,156	1,753	921	703	1,070	1,714	1,820
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
Total Node 6.00 Inflow	**2,235**	**2,189**	**6,618**	**10,311**	**23,649**	**17,156**	**1,753**	**921**	**703**	**1,070**	**1,714**	**1,820**
Outflow From This Node												
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
Total Node 6.00 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 6.00 NET Flow (In - Out)	**2,235**	**2,189**	**6,618**	**10,311**	**23,649**	**17,156**	**1,753**	**921**	**703**	**1,070**	**1,714**	**1,820**

Node 6.01 Woodruff Narrows Reservoir **Reservoir Node**

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 6.01 Node Inflow	2,235	2,189	6,618	10,311	23,649	17,156	1,753	921	703	1,070	1,714	1,820
Node 6.01 Irrigation Returns	0	0	0	0	302	668	414	212	110	27	9	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
Total Node 6.01 Inflow	**2,235**	**2,189**	**6,618**	**10,311**	**23,951**	**17,824**	**2,167**	**1,133**	**814**	**1,097**	**1,722**	**1,820**
Outflow from Reservoir												
Node 6.01 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
Node 6.01 Historic Target Release	1,073	1,020	1,156	3,146	24,891	38,200	5,776	1,610	986	713	685	833
Node 6.01 Reservoir Evaporation	201	199	246	329	442	642	743	669	473	289	222	255
Reservoir Node 6.01 Total Outflow	**1,274**	**1,219**	**1,402**	**3,474**	**25,333**	**38,842**	**6,519**	**2,279**	**1,459**	**1,003**	**908**	**1,088**
Calculation of Reservoir End-of-Month Contents												
Change in Storage	960	970	5,216	6,837	(1,382)	(21,017)	(4,351)	(1,146)	(646)	95	815	732
Starting End-of-Month Contents	20,500		**Max Storage Capacity**			57,300	**Inactive Storage Pool**			1,600		
EOM Content (w/o max capacity limitation)	21,460	22,430	27,646	34,483	33,101	12,083	7,732	6,586	5,940	6,035	6,850	7,582
Node 6.01 Actual Release	1,073	1,020	1,156	3,146	24,891	38,200	5,776	1,610	986	713	685	833
Node 6.01 Spill	0	0	0	0	0	0	0	0	0	0	0	0
Node 6.01 End-of-Month Contents	**21,460**	**22,430**	**27,646**	**34,483**	**33,101**	**12,083**	**7,732**	**6,586**	**5,940**	**6,035**	**6,850**	**7,582**
Node 6.01 NET Flow (In - Out)	**1,073**	**1,020**	**1,156**	**3,146**	**24,891**	**38,200**	**5,776**	**1,610**	**986**	**713**	**685**	**833**
Measured EOM: Average Dry Year	21,317	23,642	30,035	37,880	34,757	11,242	7,608	6,697	5,940	6,150	6,580	7,285

END OF REACH 6

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | Reach 8 | Reach 6

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 **DRY**

Inflow To This Node	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
Node 7.00 Node Inflow	1,073	1,020	1,156	3,146	24,891	38,200	5,776	1,610	986	713	685	833
Node 7.00 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
Reach 7 Ungaged Gains	1,681	1,471	2,819	407	11,602	30,654	8,884	2,248	2,400	1,043	1,947	1,801
Node 7.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 7.00 Inflow	**2,754**	**2,491**	**3,976**	**3,553**	**36,494**	**68,854**	**14,660**	**3,858**	**3,386**	**1,756**	**2,632**	**2,634**
Outflow From This Node												
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
Total Node 7.00 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 7.00 NET Flow (In - Out)	**2,754**	**2,491**	**3,976**	**3,553**	**36,494**	**68,854**	**14,660**	**3,858**	**3,386**	**1,756**	**2,632**	**2,634**

Bear River Spreadsheet Model
Dry Year Conditions

Node 7.03 Aggregate Utah Diversions

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 7.03 Node Inflow	2,754	2,491	3,976	3,553	36,494	68,854	14,660	3,858	3,386	1,756	2,632	2,634
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
Total Node 7.03 Inflow	**2,754**	**2,491**	**3,976**	**3,553**	**36,494**	**68,854**	**14,660**	**3,858**	**3,386**	**1,756**	**2,632**	**2,634**
Outflow From This Node												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.03 Diversions	0	0	0	0	30,744	54,918	11,019	3,291	2,604	0	0	0
Total Node 7.03 Outflow	**0**	**0**	**0**	**0**	**30,744**	**54,918**	**11,019**	**3,291**	**2,604**	**0**	**0**	**0**
Node 7.03 NET Flow (In - Out)	**2,754**	**2,491**	**3,976**	**3,553**	**5,749**	**13,936**	**3,641**	**567**	**782**	**1,756**	**2,632**	**2,634**

Node 7.01 Francis Lee

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 7.01 Node Inflow	2,754	2,491	3,976	3,553	5,749	13,936	3,641	567	782	1,756	2,632	2,634
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
Total Node 7.01 Inflow	**2,754**	**2,491**	**3,976**	**3,553**	**5,749**	**13,936**	**3,641**	**567**	**782**	**1,756**	**2,632**	**2,634**
Outflow From This Node												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.01 Diversions	0	0	0	0	1,923	2,797	555	168	97	0	0	0
Total Node 7.01 Outflow	**0**	**0**	**0**	**0**	**1,923**	**2,797**	**555**	**168**	**97**	**0**	**0**	**0**
Node 7.01 NET Flow (In - Out)	**2,754**	**2,491**	**3,976**	**3,553**	**3,826**	**11,139**	**3,086**	**399**	**686**	**1,756**	**2,632**	**2,634**

Node 7.02 Bear River Canal

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 7.02 Node Inflow	2,754	2,491	3,976	3,553	3,826	11,139	3,086	399	686	1,756	2,632	2,634
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
Total Node 7.02 Inflow	**2,754**	**2,491**	**3,976**	**3,553**	**3,826**	**11,139**	**3,086**	**399**	**686**	**1,756**	**2,632**	**2,634**
Outflow From This Node												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 7.02 Diversions	0	0	0	0	2,922	3,797	752	134	100	0	0	0
Total Node 7.02 Outflow	**0**	**0**	**0**	**0**	**2,922**	**3,797**	**752**	**134**	**100**	**0**	**0**	**0**
Node 7.02 NET Flow (In - Out)	**2,754**	**2,491**	**3,976**	**3,553**	**904**	**7,341**	**2,334**	**265**	**585**	**1,756**	**2,632**	**2,634**

Node 7.04 Partial Returns from Aggregate Utah Diversions

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 7.04 Node Inflow	2,754	2,491	3,976	3,553	904	7,341	2,334	265	585	1,756	2,632	2,634
Node 7.04 Irrigation Returns	0	0	0	0	3,766	7,804	3,810	1,750	627	149	46	0
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
Total Node 7.04 Inflow	**2,754**	**2,491**	**3,976**	**3,553**	**4,671**	**15,145**	**6,144**	**2,015**	**1,212**	**1,905**	**2,678**	**2,634**
Outflow From This Node												
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
Total Node 7.04 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Bear River Spreadsheet Model
Dry Year Conditions

Node 7.04 NET Flow (In - Out)	2,754	2,491	3,976	3,553	4,671	15,145	6,144	2,015	1,212	1,905	2,678	2,634

END OF REACH 7

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | Reach 9 | Reach 7

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 **DRY**

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 8.00 Node Inflow	2,754	2,491	3,976	3,553	4,671	15,145	6,144	2,015	1,212	1,905	2,678	2,634
Node 8.00 Irrigation Returns	0	0	0	0	12,144	24,825	12,667	6,187	2,435	565	167	13
reach 8 Ungaged Gains	0	0	0	381	0	0	0	0	0	0	0	0
Node 8.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 8.00 Inflow	**2,754**	**2,491**	**3,976**	**3,934**	**16,815**	**39,970**	**18,811**	**8,202**	**3,647**	**2,470**	**2,845**	**2,647**
Outflow From This Node												
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
Total Node 8.00 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 8.00 NET Flow (In - Out)	**2,754**	**2,491**	**3,976**	**3,934**	**16,815**	**39,970**	**18,811**	**8,202**	**3,647**	**2,470**	**2,845**	**2,647**

Node 8.02 BQ Dam

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 8.02 Node Inflow	2,754	2,491	3,976	3,934	16,815	39,970	18,811	8,202	3,647	2,470	2,845	2,647
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
Total Node 8.02 Inflow	**2,754**	**2,491**	**3,976**	**3,934**	**16,815**	**39,970**	**18,811**	**8,202**	**3,647**	**2,470**	**2,845**	**2,647**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 8.02 Diversions	0	0	0	0	3,325	7,815	1,625	77	22	0	0	0
Total Node 8.02 Outflow	**0**	**0**	**0**	**0**	**3,325**	**7,815**	**1,625**	**77**	**22**	**0**	**0**	**0**
Node 8.02 NET Flow (In - Out)	**2,754**	**2,491**	**3,976**	**3,934**	**13,490**	**32,156**	**17,185**	**8,125**	**3,625**	**2,470**	**2,845**	**2,647**

Node 8.01 Pixley Dam

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 8.01 Node Inflow	2,754	2,491	3,976	3,934	13,490	32,156	17,185	8,125	3,625	2,470	2,845	2,647
Node 8.01 Irrigation Returns	0	0	0	0	2,289	5,610	2,764	1,116	253	38	11	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
Total Node 8.01 Inflow	**2,754**	**2,491**	**3,976**	**3,934**	**15,779**	**37,766**	**19,949**	**9,241**	**3,878**	**2,508**	**2,855**	**2,647**
Outflow From This Node												
reach 8 Ungaged Losses	783	826	232	0	11,811	26,698	12,182	6,623	2,292	773	601	688
Node 8.01 Diversions	0	0	0	0	2,276	3,466	925	46	95	0	0	0
Total Node 8.01 Outflow	**783**	**826**	**232**	**0**	**14,086**	**30,164**	**13,107**	**6,669**	**2,387**	**773**	**601**	**688**
Node 8.01 NET Flow (In - Out)	**1,972**	**1,665**	**3,744**	**3,934**	**1,693**	**7,601**	**6,842**	**2,572**	**1,492**	**1,735**	**2,255**	**1,959**

END OF REACH 8

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | Reach 10 | Reach 8

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

DRY

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

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 9.00 Node Inflow	1,972	1,665	3,744	3,934	1,693	7,601	6,842	2,572	1,492	1,735	2,255	1,959
Node 9.00 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
Reach 9 & 1Ungaged Gains	899	859	1,461	563	2,675	4,598	2,592	597	353	198	787	837
Node 9.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 9.00 Inflow	**2,870**	**2,524**	**5,204**	**4,497**	**4,368**	**12,199**	**9,434**	**3,169**	**1,845**	**1,933**	**3,041**	**2,796**
Outflow From This Node												
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
Total Node 9.00 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 9.00 NET Flow (In - Out)	**2,870**	**2,524**	**5,204**	**4,497**	**4,368**	**12,199**	**9,434**	**3,169**	**1,845**	**1,933**	**3,041**	**2,796**

Node 9.02 AggDiv BR-4

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 9.02 Node Inflow	2,870	2,524	5,204	4,497	4,368	12,199	9,434	3,169	1,845	1,933	3,041	2,796
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
Total Node 9.02 Inflow	**2,870**	**2,524**	**5,204**	**4,497**	**4,368**	**12,199**	**9,434**	**3,169**	**1,845**	**1,933**	**3,041**	**2,796**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 9.02 Diversions	0	0	0	0	447	2,012	1,920	871	270	13	0	0
Total Node 9.02 Outflow	**0**	**0**	**0**	**0**	**447**	**2,012**	**1,920**	**871**	**270**	**13**	**0**	**0**
Node 9.02 NET Flow (In - Out)	**2,870**	**2,524**	**5,204**	**4,497**	**3,921**	**10,187**	**7,514**	**2,298**	**1,575**	**1,921**	**3,041**	**2,796**

Node 9.01 Confluence Smiths Fork / Bear

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 9.01 Node Inflow	2,870	2,524	5,204	4,497	3,921	10,187	7,514	2,298	1,575	1,921	3,041	2,796
Node 9.01 Inflow from Smiths Fork	5,431	4,986	6,813	9,645	16,024	12,343	4,406	3,061	3,838	4,817	5,381	5,086
Node 9.01 Irrigation Returns	0	0	0	0	1,562	4,344	3,956	2,321	1,016	260	54	2
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
Total Node 9.01 Inflow	**8,301**	**7,510**	**12,018**	**14,142**	**21,507**	**26,874**	**15,875**	**7,679**	**6,429**	**6,998**	**8,477**	**7,884**
Outflow From This Node												
Reach 9 & 1Ungaged 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
Total Node 9.01 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 9.01 NET Flow (In - Out)	**8,301**	**7,510**	**12,018**	**14,142**	**21,507**	**26,874**	**15,875**	**7,679**	**6,429**	**6,998**	**8,477**	**7,884**

END OF REACH 9

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | Reach 11 | Reach 9

Reach 10: Smiths Fork to Confluence with Bear River

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

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 10.01 Gage Inflow	3,606	3,243	3,847	8,503	16,611	13,589	6,937	5,109	4,162	4,226	3,706	3,366
Node 10.01 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
reach 9 & 10 Ungaged Gains	1,825	1,743	2,966	1,143	5,432	9,335	5,262	1,213	718	403	1,597	1,700
Node 10.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 10.01 Inflow	**5,431**	**4,986**	**6,813**	**9,645**	**22,043**	**22,924**	**12,199**	**6,322**	**4,879**	**4,629**	**5,303**	**5,065**
Outflow From This Node												
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
Total Node 10.01 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 10.01 NET Flow (In - Out)	**5,431**	**4,986**	**6,813**	**9,645**	**22,043**	**22,924**	**12,199**	**6,322**	**4,879**	**4,629**	**5,303**	**5,065**

Node 10.02 Button Flat

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 10.02 Node Inflow	5,431	4,986	6,813	9,645	22,043	22,924	12,199	6,322	4,879	4,629	5,303	5,065
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
Total Node 10.02 Inflow	**5,431**	**4,986**	**6,813**	**9,645**	**22,043**	**22,924**	**12,199**	**6,322**	**4,879**	**4,629**	**5,303**	**5,065**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.02 Diversions	0	0	0	0	44	160	162	50	0	0	0	0
Total Node 10.02 Outflow	**0**	**0**	**0**	**0**	**44**	**160**	**162**	**50**	**0**	**0**	**0**	**0**
Node 10.02 NET Flow (In - Out)	**5,431**	**4,986**	**6,813**	**9,645**	**21,999**	**22,764**	**12,036**	**6,272**	**4,879**	**4,629**	**5,303**	**5,065**

Bear River Spreadsheet Model
Dry Year Conditions

Node 10.03 Emelle

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 10.03 Node Inflow	5,431	4,986	6,813	9,645	21,999	22,764	12,036	6,272	4,879	4,629	5,303	5,065
Node 10.03 Irrigation Returns	0	0	0	0	20	77	96	54	17	3	0	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
Total Node 10.03 Inflow	**5,431**	**4,986**	**6,813**	**9,645**	**22,019**	**22,841**	**12,132**	**6,325**	**4,896**	**4,632**	**5,303**	**5,065**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.03 Diversions	0	0	0	0	186	816	675	242	28	0	0	0
Total Node 10.03 Outflow	**0**	**0**	**0**	**0**	**186**	**816**	**675**	**242**	**28**	**0**	**0**	**0**
Node 10.03 NET Flow (In - Out)	**5,431**	**4,986**	**6,813**	**9,645**	**21,833**	**22,025**	**11,457**	**6,083**	**4,868**	**4,632**	**5,303**	**5,065**

Node 10.04 Cooper

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 10.04 Node Inflow	5,431	4,986	6,813	9,645	21,833	22,025	11,457	6,083	4,868	4,632	5,303	5,065
Node 10.04 Irrigation Returns	0	0	0	0	42	195	209	123	43	10	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
Total Node 10.04 Inflow	**5,431**	**4,986**	**6,813**	**9,645**	**21,875**	**22,219**	**11,666**	**6,207**	**4,912**	**4,641**	**5,304**	**5,065**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.04 Diversions	0	0	0	0	335	462	284	114	0	0	0	0
Total Node 10.04 Outflow	**0**	**0**	**0**	**0**	**335**	**462**	**284**	**114**	**0**	**0**	**0**	**0**
Node 10.04 NET Flow (In - Out)	**5,431**	**4,986**	**6,813**	**9,645**	**21,539**	**21,757**	**11,383**	**6,093**	**4,912**	**4,641**	**5,304**	**5,065**

Node 10.05 Covey

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 10.05 Node Inflow	5,431	4,986	6,813	9,645	21,539	21,757	11,383	6,093	4,912	4,641	5,304	5,065
Node 10.05 Irrigation Returns	0	0	0	0	192	445	417	240	76	17	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
Total Node 10.05 Inflow	**5,431**	**4,986**	**6,813**	**9,645**	**21,731**	**22,202**	**11,800**	**6,333**	**4,988**	**4,658**	**5,305**	**5,065**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.05 Diversions	0	0	0	0	2,878	3,745	2,327	973	423	0	0	0
Total Node 10.05 Outflow	**0**	**0**	**0**	**0**	**2,878**	**3,745**	**2,327**	**973**	**423**	**0**	**0**	**0**
Node 10.05 NET Flow (In - Out)	**5,431**	**4,986**	**6,813**	**9,645**	**18,854**	**18,457**	**9,473**	**5,361**	**4,564**	**4,658**	**5,305**	**5,065**

Bear River Spreadsheet Model
Dry Year Conditions

Node 10.06 VH Canal

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 10.06 Node Inflow	5,431	4,986	6,813	9,645	18,854	18,457	9,473	5,361	4,564	4,658	5,305	5,065
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
Total Node 10.06 Inflow	**5,431**	**4,986**	**6,813**	**9,645**	**18,854**	**18,457**	**9,473**	**5,361**	**4,564**	**4,658**	**5,305**	**5,065**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.06 Diversions	0	0	0	0	314	569	484	435	172	0	0	0
Total Node 10.06 Outflow	**0**	**0**	**0**	**0**	**314**	**569**	**484**	**435**	**172**	**0**	**0**	**0**
Node 10.06 NET Flow (In - Out)	**5,431**	**4,986**	**6,813**	**9,645**	**18,540**	**17,888**	**8,989**	**4,926**	**4,393**	**4,658**	**5,305**	**5,065**

Node 10.07 Goodell

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 10.07 Node Inflow	5,431	4,986	6,813	9,645	18,540	17,888	8,989	4,926	4,393	4,658	5,305	5,065
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
Total Node 10.07 Inflow	**5,431**	**4,986**	**6,813**	**9,645**	**18,540**	**17,888**	**8,989**	**4,926**	**4,393**	**4,658**	**5,305**	**5,065**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.07 Diversions	0	0	0	0	196	360	384	278	171	0	0	0
Total Node 10.07 Outflow	**0**	**0**	**0**	**0**	**196**	**360**	**384**	**278**	**171**	**0**	**0**	**0**
Node 10.07 NET Flow (In - Out)	**5,431**	**4,986**	**6,813**	**9,645**	**18,344**	**17,528**	**8,605**	**4,648**	**4,221**	**4,658**	**5,305**	**5,065**

Node 10.08 Whites Water

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 10.08 Node Inflow	5,431	4,986	6,813	9,645	18,344	17,528	8,605	4,648	4,221	4,658	5,305	5,065
Node 10.08 Irrigation Returns	0	0	0	0	236	495	571	539	386	182	76	21
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
Total Node 10.08 Inflow	**5,431**	**4,986**	**6,813**	**9,645**	**18,580**	**18,023**	**9,176**	**5,187**	**4,607**	**4,840**	**5,381**	**5,086**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.08 Diversions	0	0	0	0	729	1,095	836	454	243	0	0	0
Total Node 10.08 Outflow	**0**	**0**	**0**	**0**	**729**	**1,095**	**836**	**454**	**243**	**0**	**0**	**0**
Node 10.08 NET Flow (In - Out)	**5,431**	**4,986**	**6,813**	**9,645**	**17,851**	**16,928**	**8,340**	**4,733**	**4,364**	**4,840**	**5,381**	**5,086**

Bear River Spreadsheet Model
Dry Year Conditions

Node 10.09 S Branch Irrigating

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 10.09 Node Inflow	5,431	4,986	6,813	9,645	17,851	16,928	8,340	4,733	4,364	4,840	5,381	5,086
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
Total Node 10.09 Inflow	**5,431**	**4,986**	**6,813**	**9,645**	**17,851**	**16,928**	**8,340**	**4,733**	**4,364**	**4,840**	**5,381**	**5,086**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.09 Diversions	0	0	0	0	1,017	940	457	95	38	0	0	0
Total Node 10.09 Outflow	**0**	**0**	**0**	**0**	**1,017**	**940**	**457**	**95**	**38**	**0**	**0**	**0**
Node 10.09 NET Flow (In - Out)	**5,431**	**4,986**	**6,813**	**9,645**	**16,834**	**15,987**	**7,883**	**4,639**	**4,327**	**4,840**	**5,381**	**5,086**

Node 10.10 AggDiv SF-1

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 10.10 Node Inflow	5,431	4,986	6,813	9,645	16,834	15,987	7,883	4,639	4,327	4,840	5,381	5,086
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
Total Node 10.10 Inflow	**5,431**	**4,986**	**6,813**	**9,645**	**16,834**	**15,987**	**7,883**	**4,639**	**4,327**	**4,840**	**5,381**	**5,086**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.10 Diversions	0	0	0	0	811	3,644	3,478	1,578	489	23	0	0
Total Node 10.10 Outflow	**0**	**0**	**0**	**0**	**811**	**3,644**	**3,478**	**1,578**	**489**	**23**	**0**	**0**
Node 10.10 NET Flow (In - Out)	**5,431**	**4,986**	**6,813**	**9,645**	**16,024**	**12,343**	**4,406**	**3,061**	**3,838**	**4,817**	**5,381**	**5,086**

END OF REACH 10

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | Reach 12 | Reach 10

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 **DRY**

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 11.00 Gage Inflow	8,301	7,510	12,018	14,142	21,507	26,874	15,875	7,679	6,429	6,998	8,477	7,884
Node 11.00 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
reach 11 Ungaged Gains	47	77	330	0	0	0	0	0	0	0	0	148
Node 11.00 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 11.00 Inflow	**8,348**	**7,587**	**12,348**	**14,142**	**21,507**	**26,874**	**15,875**	**7,679**	**6,429**	**6,998**	**8,477**	**8,032**
Outflow From This Node												
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
Total Node 11.00 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 11.00 NET Flow (In - Out)	**8,348**	**7,587**	**12,348**	**14,142**	**21,507**	**26,874**	**15,875**	**7,679**	**6,429**	**6,998**	**8,477**	**8,032**

Node 11.01 AggDiv BR-5

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 11.01 Node Inflow	8,348	7,587	12,348	14,142	21,507	26,874	15,875	7,679	6,429	6,998	8,477	8,032
Node 11.01 Irrigation Returns	0	0	0	0	1,625	2,680	2,474	1,711	1,002	371	118	27
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
Total Node 11.01 Inflow	**8,348**	**7,587**	**12,348**	**14,142**	**23,132**	**29,555**	**18,350**	**9,390**	**7,431**	**7,369**	**8,595**	**8,059**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.01 Diversions	0	0	0	0	552	2,481	2,367	1,074	333	16	0	0
Total Node 11.01 Outflow	**0**	**0**	**0**	**0**	**552**	**2,481**	**2,367**	**1,074**	**333**	**16**	**0**	**0**
Node 11.01 NET Flow (In - Out)	**8,348**	**7,587**	**12,348**	**14,142**	**22,580**	**27,074**	**15,982**	**8,315**	**7,098**	**7,353**	**8,595**	**8,059**

Node 11.02 Alonzo F. Sights

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 11.02 Node Inflow	8,348	7,587	12,348	14,142	22,580	27,074	15,982	8,315	7,098	7,353	8,595	8,059
Node 11.02 Irrigation Returns	0	0	0	0	90	428	512	342	159	43	8	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
Total Node 11.02 Inflow	**8,348**	**7,587**	**12,348**	**14,142**	**22,670**	**27,502**	**16,495**	**8,657**	**7,257**	**7,396**	**8,603**	**8,059**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.02 Diversions	0	0	0	0	400	746	524	234	27	0	0	0
Total Node 11.02 Outflow	**0**	**0**	**0**	**0**	**400**	**746**	**524**	**234**	**27**	**0**	**0**	**0**
Node 11.02 NET Flow (In - Out)	**8,348**	**7,587**	**12,348**	**14,142**	**22,269**	**26,757**	**15,971**	**8,423**	**7,229**	**7,396**	**8,603**	**8,059**

Bear River Spreadsheet Model
Dry Year Conditions

Node 11.03 Oscar E. Snyder

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 11.03 Node Inflow	8,348	7,587	12,348	14,142	22,269	26,757	15,971	8,423	7,229	7,396	8,603	8,059
Node 11.03 Irrigation Returns	0	0	0	0	174	609	679	445	194	52	9	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
Total Node 11.03 Inflow	**8,348**	**7,587**	**12,348**	**14,142**	**22,443**	**27,366**	**16,650**	**8,868**	**7,423**	**7,448**	**8,612**	**8,060**
Outflow From This Node												
NA Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.03 Diversions	0	0	0	0	461	942	588	381	260	0	0	0
Total Node 11.03 Outflow	**0**	**0**	**0**	**0**	**461**	**942**	**588**	**381**	**260**	**0**	**0**	**0**
Node 11.03 NET Flow (In - Out)	**8,348**	**7,587**	**12,348**	**14,142**	**21,982**	**26,424**	**16,062**	**8,487**	**7,164**	**7,448**	**8,612**	**8,060**

Node 11.04 Cook Brothers

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 11.04 Node Inflow	8,348	7,587	12,348	14,142	21,982	26,424	16,062	8,487	7,164	7,448	8,612	8,060
Node 11.04 Irrigation Returns	0	0	0	0	226	620	617	417	210	57	13	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
Total Node 11.04 Inflow	**8,348**	**7,587**	**12,348**	**14,142**	**22,208**	**27,044**	**16,679**	**8,904**	**7,374**	**7,505**	**8,625**	**8,060**
Outflow From This Node												
reach 11 Ungaged Losses	0	0	0	593	2,162	2,493	1,407	1,307	940	713	225	0
Node 11.04 Diversions	0	0	0	0	1,906	2,084	1,141	1,323	796	0	0	0
Total Node 11.04 Outflow	**0**	**0**	**0**	**593**	**4,068**	**4,577**	**2,548**	**2,630**	**1,736**	**713**	**225**	**0**
Node 11.04 NET Flow (In - Out)	**8,348**	**7,587**	**12,348**	**13,549**	**18,140**	**22,467**	**14,131**	**6,274**	**5,638**	**6,792**	**8,400**	**8,060**

END OF REACH 11

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start

Reach 11

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

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 12.00 Node Inflow	8,348	7,587	12,348	13,549	18,140	22,467	14,131	6,274	5,638	6,792	8,400	8,060
Node 12.00 Irrigation Returns	0	0	0	0	897	1,329	1,037	961	657	202	56	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
Total Node 12.00 Inflow	**8,348**	**7,587**	**12,348**	**13,549**	**19,037**	**23,796**	**15,168**	**7,236**	**6,294**	**6,994**	**8,456**	**8,060**
Outflow From This Node												
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
Total Node 12.00 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 12.00 NET Flow (In - Out)	**8,348**	**7,587**	**12,348**	**13,549**	**19,037**	**23,796**	**15,168**	**7,236**	**6,294**	**6,994**	**8,456**	**8,060**

Node 12.01 Confluence Thomas Fork

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 12.01 Node Inflow	8,348	7,587	12,348	13,549	19,037	23,796	15,168	7,236	6,294	6,994	8,456	8,060
Node 12.01 Irrigation Returns	0	0	0	0	0	0	0	0	0	0	0	0
reach 12 Ungaged Gains	0	0	3,279	1,444	1,929	0	0	0	0	0	0	0
Node 12.01 Import/Export	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 12.01 Inflow	**8,348**	**7,587**	**15,626**	**14,992**	**20,966**	**23,796**	**15,168**	**7,236**	**6,294**	**6,994**	**8,456**	**8,060**
Outflow From This Node												
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
Total Node 12.01 Outflow	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Node 12.01 NET Flow (In - Out)	**8,348**	**7,587**	**15,626**	**14,992**	**20,966**	**23,796**	**15,168**	**7,236**	**6,294**	**6,994**	**8,456**	**8,060**

Node 12.02 Aggregate Idaho Diversions

Inflow To This Node	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 12.02 Node Inflow	8,348	7,587	15,626	14,992	20,966	23,796	15,168	7,236	6,294	6,994	8,456	8,060
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
Total Node 12.02 Inflow	**8,348**	**7,587**	**15,626**	**14,992**	**20,966**	**23,796**	**15,168**	**7,236**	**6,294**	**6,994**	**8,456**	**8,060**
Outflow From This Node												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.02 Diversions	0	0	0	0	16,439	18,876	10,008	5,570	5,224	0	0	0
Total Node 12.02 Outflow	**0**	**0**	**0**	**0**	**16,439**	**18,876**	**10,008**	**5,570**	**5,224**	**0**	**0**	**0**
Node 12.02 NET Flow (In - Out)	**8,348**	**7,587**	**15,626**	**14,992**	**4,527**	**4,920**	**5,160**	**1,666**	**1,071**	**6,994**	**8,456**	**8,060**

Bear River Spreadsheet Model
Dry Year Conditions

Node 12.03 Rainbow Inlet

Inflow To This Node	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
Node 12.03 Node Inflow	8,348	7,587	15,626	14,992	4,527	4,920	5,160	1,666	1,071	6,994	8,456	8,060
Node 12.03 Irrigation Returns	0	0	0	0	4,603	6,601	4,970	3,115	2,309	641	209	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
Total Node 12.03 Inflow	**8,348**	**7,587**	**15,626**	**14,992**	**9,130**	**11,520**	**10,130**	**4,781**	**3,379**	**7,635**	**8,665**	**8,060**
Outflow From This Node												
na Ungaged Losses	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.03 Diversions	6,943	6,552	15,002	14,541	8,640	3,435	3,663	1,478	1,444	2,793	5,329	4,903
Total Node 12.03 Outflow	**6,943**	**6,552**	**15,002**	**14,541**	**8,640**	**3,435**	**3,663**	**1,478**	**1,444**	**2,793**	**5,329**	**4,903**
Node 12.03 NET Flow (In - Out)	**1,405**	**1,035**	**624**	**451**	**490**	**8,086**	**6,467**	**3,304**	**1,936**	**4,842**	**3,336**	**3,157**

Node 12.04 Stewart Dam

Inflow To This Node	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
Node 12.04 Node Inflow	1,405	1,035	624	451	490	8,086	6,467	3,304	1,936	4,842	3,336	3,157
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
Total Node 12.04 Inflow	**1,405**	**1,035**	**624**	**451**	**490**	**8,086**	**6,467**	**3,304**	**1,936**	**4,842**	**3,336**	**3,157**
Outflow From This Node												
reach 12 Ungaged Losses	824	391	0	0	0	7,420	5,803	2,507	1,230	4,121	2,929	2,847
Node 12.04 Diversions	0	0	0	0	0	0	0	0	0	0	0	0
Total Node 12.04 Outflow	**824**	**391**	**0**	**0**	**0**	**7,420**	**5,803**	**2,507**	**1,230**	**4,121**	**2,929**	**2,847**
Node 12.04 NET Flow (In - Out)	**581**	**644**	**624**	**451**	**490**	**666**	**663**	**796**	**706**	**721**	**407**	**309**

Return to START | View Diversion Data by NODE | View Diversion Data by REACH

Historic Diversion Data (Dry Year)

Average 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
	Node 1.01	Lannon & Lone Mountain	0	0	0	0	886	1010	554	115	85	0	0	0	2650	1
	Node 1.02	Hilliard West Side	0	0	0	0	975	1720	911	201	184	0	0	0	3991	1
	Node 1.03	Bear Canal	0	0	0	0	2071	3456	1886	551	384	0	0	0	8348	1
	Node 1.04	Crown & Pine Grove	0	0	0	0	770	1479	725	207	181	0	0	0	3362	1
	Node 1.05	McGraw & Big Bend	0	0	0	0	1044	1105	422	200	107	0	0	0	2879	1
	Node 1.06	Lewis	0	0	0	0	152	333	370	116	37	0	0	0	1008	1
	Node 1.07	Meyers No. 2	0	0	0	0	90	277	373	184	121	0	0	0	1045	1
	Node 1.08	Meyers No. 1	0	0	0	0	170	233	226	168	59	0	0	0	856	1
	Node 1.09	Meyers Irrigation	0	0	0	0	230	248	204	121	46	0	0	0	850	1
	Node 1.10	Evanston Pipeline	0	0	0	0	342	519	719	652	464	0	0	0	2695	1
	Node 1.11	Booth	0	0	0	0	437	757	502	335	169	0	0	0	2200	1
	Node 1.12	Anel	0	0	0	0	226	336	208	57	21	0	0	0	847	1
	Node 1.13	Evanston Water Supply	0	0	0	0	141	282	257	181	57	0	0	0	918	1
	Node 1.14	Hilliard East	0	0	0	0	296	1238	1122	32	87	0	0	0	2775	1
	Node 1.15	AggDiv BR-1	0	0	0	15	263	772	761	329	121	14	0	0	2274	1
	Node 1.18	Confluence Mill Cr.	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Node 10.00	Quinn Bourne	0	0	0	0	311	340	168	57	14	0	0	0	1073	10
	Node 10.01	USGS 10032000: Smiths F	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	Node 10.02	Button Flat	0	0	0	0	44	160	162	50	0	0	0	0	417	10
	Node 10.03	Emelle	0	0	0	0	186	816	675	242	28	0	0	0	1947	10
	Node 10.04	Cooper	0	0	0	0	335	462	284	114	0	0	0	0	1195	10
	Node 10.05	Covey	0	0	0	0	2878	3745	2327	973	423	0	0	0	10346	10
	Node 10.06	VH Canal	0	0	0	0	314	569	484	435	172	0	0	0	1973	10
	Node 10.07	Goodell	0	0	0	0	196	360	384	278	171	0	0	0	1389	10
	Node 10.08	Whites Water	0	0	0	0	729	1095	836	454	243	0	0	0	3356	10
	Node 10.09	S Branch Irrigating	0	0	0	0	1017	940	457	95	38	0	0	0	2546	10
	Node 10.10	AggDiv SF-1	0	0	0	0	811	3644	3478	1578	489	23	0	0	10022	10
	Node 11.00	USGS 10038000: Bear R. I	0	0	0	0	0	0	0	0	0	0	0	0	0	11
	Node 11.01	AggDiv BR-5	0	0	0	0	552	2481	2367	1074	333	16	0	0	6823	11
	Node 11.02	Alonzo F. Sights	0	0	0	0	400	746	524	234	27	0	0	0	1931	11
	Node 11.03	Oscar E. Snyder	0	0	0	0	461	942	588	381	260	0	0	0	2631	11
	Node 11.04	Cook Brothers	0	0	0	0	1906	2084	1141	1323	796	0	0	0	7250	11
	Node 12.00	USGS 10039500: Bear R. a	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	Node 12.01	Confluence Thomas Fork	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	Node 12.02	Aggregate Idaho Diversions	0	0	0	0	16439	18876	10008	5570	5224	0	0	0	56117	12
	Node 12.03	Rainbow Inlet	6943	6552	15002	14541	8640	3435	3663	1478	1444	2793	5329	4903	74723	12
	Node 12.04	Stewart Dam													0	12
	Node 2.00	USGS 10015700: Sulphur	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Node 2.01	AggDiv SC-1/Broadbent	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Node 2.02	Sulphur Creek Reservoir	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Node 2.03	AggDiv SC-2	0	0	0	44	757	2230	2192	949	351	41	0	0	6564	2
	Node 3.00	Confluence Sulphur Creek /	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	Node 3.01	Evanston Water Ditch	0	0	0	0	616	1197	895	603	336	0	0	0	3647	3
	Node 3.02	Rocky Mtn & Blyth	0	0	0	0	474	600	344	214	170	0	0	0	1802	3
	Node 4.00	USGS 10016900: Bear R. a	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	Node 4.01	John Simms	0	0	0	0	627	616	428	298	193	0	0	0	2163	4
	Node 4.02	S P Ramsey	0	0	0	0	635	747	311	227	116	0	0	0	2037	4
	Node 4.03	AggDiv BR-2	0	0	0	21	372	1091	1073	465	171	21	0	0	3214	4
	Node 5.00	Confluence Yellow Creek / I	0	0	0	0	0	0	0	0	0	0	0	0	0	5
**	Node 5.01	Chapman Canal	0	0	0	0	2913	2919	968	306	192	0	0	0	7298	5
	Node 5.02	Morris Bros (Lower)	0	0	0	0	143	179	116	52	80	0	0	0	570	5
	Node 5.03	AggDiv BR-3	0	0	0	10	167	491	483	209	77	9	0	0	1446	5

Node 5.04	Tunnel	0	0	0	0	575	1173	376	120	81	0	0	0	2324	5

Node 6.00	USGS 10020100: Bear R. a	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Node 6.01	Woodruff Narrows Reservoi	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Node 7.00	USGS 10020300: Bear R. l	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Node 7.01	Francis Lee	0	0	0	0	1923	2797	555	168	97	0	0	0	5540	7
Node 7.02	Bear River Canal	0	0	0	0	2922	3797	752	134	100	0	0	0	7706	7
Node 7.03	Aggregate Utah Diversions	0	0	0	0	30744	54918	11019	3291	2604	0	0	0	102576	7
Node 7.04	Partial Returns from Aggrec	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Node 8.00	USGS 10026500: Bear R. I	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Node 8.01	Pixley Dam	0	0	0	0	2276	3466	925	46	95	0	0	0	6807	8
Node 8.02	BQ Dam	0	0	0	0	3325	7815	1625	77	22	0	0	0	12864	8
Node 9.00	USGS 10028500: Bear R. l	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Node 9.01	Confluence Smiths Fork / B	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Node 9.02	AggDiv BR-4	0	0	0	0	447	2012	1920	871	270	13	0	0	5533	9

Note (1) Hilliard East and Quinn Bourne are not modeled explicitly, however, diversion data are included in this table to accommodate evaluation of Bear River Compact

0.0

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	15	8092	13765	9239	3449	2123	14	0	0
2.00	0	0	0	44	757	2230	2192	949	351	41	0	0
3.00	0	0	0	0	1090	1797	1239	817	506	0	0	0
4.00	0	0	0	21	1634	2455	1812	990	480	21	0	0
5.00	0	0	0	10	3797	4762	1944	687	430	9	0	0
6.00	0	0	0	0	0	0	0	0	0	0	0	0
7.00	0	0	0	0	35589	61512	12326	3593	2801	0	0	0
8.00	0	0	0	0	5600	11280	2551	123	116	0	0	0
9.00	0	0	0	0	447	2012	1920	871	270	13	0	0
10.00	0	0	0	0	6819	12131	9254	4274	1577	23	0	0
11.00	0	0	0	0	3319	6253	4620	3013	1416	16	0	0
12.00	6943	6552	15002	14541	25079	22311	13672	7047	6667	2793	5329	4903

Return to Start | View Individual Nodes | Help with Irrigation Returns | View "Node Totals" Summary Table | View "Reach Totals" Summary Table

Irrigation Return Tables (DRY YEAR)

Irrigation Returns: Node Evaluation

Reach 1 Nodes

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 1.01	**Lannon & Lone Mountain**					**Efficiency Pattern =**	**25**							
	Total Diversions =		0	0	0	0	886	1010	554	115	85	0	0	0
	Total Irrigation Returns =		0	0	0	0	665	757	416	86	63	0	0	0
TO:	**TO:**	**Percent**				**Return Pattern =**	**1**							
(Lewis)	Node 1.06	30.0%	0	0	0	0	100	163	149	98	57	21	5	2
(Confluence Mill Cr.)	Node 1.18	70.0%	0	0	0	0	233	381	348	229	134	49	13	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
		100.00%	0	0	0	0	332	545	497	327	191	70	18	6
Node 1.02	**Hilliard West Side**					**Efficiency Pattern =**	**22**							
	Total Diversions =		0	0	0	0	975	1720	911	201	184	0	0	0
	Total Irrigation Returns =		0	0	0	0	760	1342	711	157	143	0	0	0
TO:	**TO:**	**Percent**				**Return Pattern =**	**1**							
(Sulphur Creek Reservoir)	Node 2.02	100.0%	0	0	0	0	380	861	805	533	352	130	37	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
		100.00%	0	0	0	0	380	861	805	533	352	130	37	14
Node 1.03	**Bear Canal**					**Efficiency Pattern =**	**22**							
	Total Diversions =		0	0	0	0	2071	3456	1886	551	384	0	0	0
	Total Irrigation Returns =		0	0	0	0	1615	2696	1471	430	300	0	0	0
TO:	**TO:**	**Percent**				**Return Pattern =**	**1**							
(Sulphur Creek Reservoir)	Node 2.02	60.0%	0	0	0	0	485	1051	991	689	449	172	53	18
(AggDiv SC-2)	Node 2.03	40.0%	0	0	0	0	323	701	661	459	299	115	35	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
		100.00%	0	0	0	0	808	1752	1652	1148	748	287	88	30
Node 1.04	**Crown & Pine Grove**					**Efficiency Pattern =**	**27**							
	Total Diversions =		0	0	0	0	770	1479	725	207	181	0	0	0
	Total Irrigation Returns =		0	0	0	0	562	1080	529	151	132	0	0	0
TO:	**TO:**	**Percent**				**Return Pattern =**	**2**							
(Lewis)	Node 1.06	25.0%	0	0	0	0	98	217	161	80	44	10	3	0
(Confluence Mill Cr.)	Node 1.18	25.0%	0	0	0	0	98	217	161	80	44	10	3	0
(Meyers No. 2)	Node 1.07	50.0%	0	0	0	0	197	434	321	160	88	21	7	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	393	868	642	320	176	42	13	0

Bear River Spreadsheet Model
Dry Year Conditions

Node 1.05	**McGraw & Big Bend**					**Efficiency Pattern =**	**30**							
	Total Diversions =		0	0	0	0	1044	1105	422	200	107	0	0	0
	Total Irrigation Returns =		0	0	0	0	731	774	295	140	75	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Lewis)	Node 1.06	100.0%	0	0	0	0	512	688	435	234	110	29	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
		100.00%	0	0	0	0	512	688	435	234	110	29	7	0
Node 1.06	**Lewis**					**Efficiency Pattern =**	**30**							
	Total Diversions =		0	0	0	0	152	333	370	116	37	0	0	0
	Total Irrigation Returns =		0	0	0	0	107	233	259	81	26	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Meyers No. 1)	Node 1.08	100.0%	0	0	0	0	75	185	239	132	60	13	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
		100.00%	0	0	0	0	75	185	239	132	60	13	3	0
Node 1.07	**Meyers No. 2**					**Efficiency Pattern =**	**27**							
	Total Diversions =		0	0	0	0	90	277	373	184	121	0	0	0
	Total Irrigation Returns =		0	0	0	0	66	202	272	135	89	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Meyers No. 1)	Node 1.08	100.0%	0	0	0	0	46	155	237	169	116	31	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
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	46	155	237	169	116	31	9	0

Node 1.18	**Confluence Mill Cr.**					**Efficiency Pattern =**	**15**						
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**					
#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
Node 1.08	**Meyers No. 1**					**Efficiency Pattern =**	**27**						
	Total Diversions =		0	0	0	0	170	233	226	168	59	0	0	0
	Total Irrigation Returns =		0	0	0	0	124	170	165	123	43	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**					
(Booth)	Node 1.11	50.0%	0	0	0	0	43	72	81	68	36	10	2	0
(AggDiv SC-2)	Node 2.03	50.0%	0	0	0	0	43	72	81	68	36	10	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
		100.00%	0	0	0	0	87	144	162	136	71	21	4	0
Node 1.09	**Meyers Irrigation**					**Efficiency Pattern =**	**30**						
	Total Diversions =		0	0	0	0	230	248	204	121	46	0	0	0
	Total Irrigation Returns =		0	0	0	0	161	174	143	85	32	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**					
(Anel)	Node 1.12	100.0%	0	0	0	0	113	154	151	105	54	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	0	0
		100.00%	0	0	0	0	113	154	151	105	54	15	3	0
Node 1.10	**Evanston Pipeline**					**Efficiency Pattern =**	**60**						
	Total Diversions =		0	0	0	0	342	519	719	652	464	0	0	0
	Total Irrigation Returns =		0	0	0	0	137	207	288	261	186	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**					
(Confluence Yellow Creek / Bear Rive	**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
		100.00%	0	0	0	0	137	207	288	261	186	0	0	0
Node 1.11	**Booth**					**Efficiency Pattern =**	**27**						
	Total Diversions =		0	0	0	0	437	757	502	335	169	0	0	0
	Total Irrigation Returns =		0	0	0	0	319	553	367	244	123	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**					
(Evanston Water Ditch)	Node 3.01	100.0%	0	0	0	0	223	451	399	300	172	49	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
		100.00%	0	0	0	0	223	451	399	300	172	49	12	0

Bear River Spreadsheet Model
Dry Year Conditions

Node 1.12	**Anel**					**Efficiency Pattern =**	**30**							
	Total Diversions =		0	0	0	0	226	336	208	57	21	0	0	0
	Total Irrigation Returns =		0	0	0	0	158	235	146	40	15	0	0	0
							Return Pattern =	**2**						
TO:	**TO:**	**Percent**												
(AggDiv BR-1)	Node 1.15	100.0%	0	0	0	0	111	196	165	80	33	7	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
		100.00%	0	0	0	0	111	196	165	80	33	7	1	0
Node 1.13	**Evanston Water Supply**					**Efficiency Pattern =**	**27**							
	Total Diversions =		0	0	0	0	141	282	257	181	57	0	0	0
	Total Irrigation Returns =		0	0	0	0	103	206	188	132	42	0	0	0
							Return Pattern =	**2**						
TO:	**TO:**	**Percent**												
(Rocky Mtn & Blyth)	Node 3.02	50.0%	0	0	0	0	36	82	91	75	37	11	2	0
(John Simms)	Node 4.01	50.0%	0	0	0	0	36	82	91	75	37	11	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
		100.00%	0	0	0	0	72	165	183	151	74	22	4	0
Node 1.15	**AggDiv BR-1**					**Efficiency Pattern =**	**33**							
	Total Diversions =		0	0	0	15	263	772	761	329	121	14	0	0
	Total Irrigation Returns =		0	0	0	10	173	509	502	217	80	9	0	0
							Return Pattern =	**2**						
TO:	**TO:**	**Percent**												
(Confluence Sulphur Creek / Bear River)	Node 3.00	100.0%	0	0	0	7	123	392	471	303	150	44	10	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
		100.00%	0	0	0	7	123	392	471	303	150	44	10	1

Reach 2 Nodes

Node 2.00	**USGS 10015700: Sulphur Cr. ab Res.Bl.La Chapelle Cr.Nr Evanston**					**Efficiency Pattern =**	**20**						
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**						
(Sulphur Creek Reservoir)	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
		100.00%	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.01	**AggDiv SC-1/Broadbent**					**Efficiency Pattern =**	**33**						
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Sulphur Creek Reservoir)	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
		100.00%	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.02	**Sulphur Creek Reservoir**					**Efficiency Pattern =**	**15**						
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**						
#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
Node 2.03	**AggDiv SC-2**					**Efficiency Pattern =**	**33**						
	Total Diversions =		0	0	0	44	757	2230	2192	949	351	41	0	0
	Total Irrigation Returns =		0	0	0	29	500	1472	1447	626	232	27	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Confluence Sulphur Creek / Bear River)	Node 3.00	100.0%	0	0	0	20	356	1133	1357	875	432	128	29	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
		100.00%	0	0	0	20	356	1133	1357	875	432	128	29	3

Reach 3 Nodes

Node 3.00	**Confluence Sulphur Creek / Bear River**					**Efficiency Pattern =**	**15**							
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**						
#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
Node 3.01	**Evanston Water Ditch**					**Efficiency Pattern =**	**36**							
	Total Diversions =		0	0	0	0	616	1197	895	603	336	0	0	0
	Total Irrigation Returns =		0	0	0	0	394	766	573	386	215	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Rocky Mtn & Blyth)	Node 3.02	100.0%	0	0	0	0	276	615	594	461	285	82	22	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		0.0%	0	0	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	276	615	594	461	285	82	22	0
Node 3.02	**Rocky Mtn & Blyth**					**Efficiency Pattern =**	**36**							
	Total Diversions =		0	0	0	0	474	600	344	214	170	0	0	0
	Total Irrigation Returns =		0	0	0	0	303	384	220	137	109	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(John Simms)	Node 4.01	70.0%	0	0	0	0	149	231	183	125	88	25	8	0
(S P Ramsey)	Node 4.02	30.0%	0	0	0	0	64	99	78	53	38	11	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
		100.00%	0	0	0	0	212	329	261	178	125	35	11	0

Reach 4 Nodes

Node 4.00	**USGS 10016900: Bear R. at Evanston, WY**					**Efficiency Pattern =**	**15**							
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**						
#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

Node 4.01	**John Simms**					**Efficiency Pattern =**	**36**							
	Total Diversions =		0	0	0	0	627	616	428	298	193	0	0	0
	Total Irrigation Returns =		0	0	0	0	401	394	274	191	124	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(S P Ramsey)	Node 4.02	50.0%	0	0	0	0	140	178	155	114	76	22	6	0
(AggDiv BR-2)	Node 4.03	50.0%	0	0	0	0	140	178	155	114	76	22	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
		100.00%	0	0	0	0	281	356	311	228	152	44	12	0
Node 4.02	**S P Ramsey**					**Efficiency Pattern =**	**33**							
	Total Diversions =		0	0	0	0	635	747	311	227	116	0	0	0
	Total Irrigation Returns =		0	0	0	0	419	493	205	150	77	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(AggDiv BR-2)	Node 4.03	50.0%	0	0	0	0	147	215	142	98	52	15	4	0
(Chapman Canal)	Node 5.01	50.0%	0	0	0	0	147	215	142	98	52	15	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
		100.00%	0	0	0	0	294	429	284	195	104	30	8	0
Node 4.03	**AggDiv BR-2**					**Efficiency Pattern =**	**33**							
	Total Diversions =		0	0	0	21	372	1091	1073	465	171	21	0	0
	Total Irrigation Returns =		0	0	0	14	245	720	708	307	113	14	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Chapman Canal)	Node 5.01	100.0%	0	0	0	10	175	554	664	428	211	63	14	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
		100.00%	0	0	0	10	175	554	664	428	211	63	14	1
Reach 5 Nodes														
Node 5.00	**Confluence Yellow Creek / Bear River**					**Efficiency Pattern =**	**40**							
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
#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
Node 5.01	**Chapman Canal**					**Efficiency Pattern =**	**27**							
	Total Diversions =		0	0	0	0	2913	2919	968	306	192	0	0	0
	Total Irrigation Returns =		0	0	0	0	2126	2131	707	223	140	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(AggDiv BR-3)	Node 5.03	100.0%	0	0	0	0	1488	1917	1134	511	213	50	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

		100.00%	0	0	0	0	1488	1917	1134	511	213	50	14	0
Node 5.02	**Morris Bros (Lower)**					**Efficiency Pattern =**	**36**							
	Total Diversions =		0	0	0	0	143	179	116	52	80	0	0	0
	Total Irrigation Returns =		0	0	0	0	92	114	74	33	51	0	0	0
TO:	**TO:**	**Percent**				**Return Pattern =**	**2**							
(AggDiv BR-3)	Node 5.03	30.0%	0	0	0	0	19	30	25	15	15	4	2	0
(Woodruff Narrows Reservoir)	Node 6.01	70.0%	0	0	0	0	45	69	59	35	35	9	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
		100.00%	0	0	0	0	64	98	84	49	50	14	5	0
Node 5.03	**AggDiv BR-3**					**Efficiency Pattern =**	**33**							
	Total Diversions =		0	0	0	10	167	491	483	209	77	9	0	0
	Total Irrigation Returns =		0	0	0	6	110	324	319	138	51	6	0	0
TO:	**TO:**	**Percent**				**Return Pattern =**	**2**							
(Tunnel)	Node 5.04	100.0%	0	0	0	4	78	249	299	193	95	28	6	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
		100.00%	0	0	0	4	78	249	299	193	95	28	6	1
Node 5.04	**Tunnel**					**Efficiency Pattern =**	**36**							
	Total Diversions =		0	0	0	0	575	1173	376	120	81	0	0	0
	Total Irrigation Returns =		0	0	0	0	368	751	241	77	52	0	0	0
TO:	**TO:**	**Percent**				**Return Pattern =**	**2**							
(Woodruff Narrows Reservoir)	Node 6.01	100.0%	0	0	0	0	257	599	355	177	76	18	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
		100.00%	0	0	0	0	257	599	355	177	76	18	5	0

Reach 6 Nodes

Node 6.00	**USGS 10020100: Bear R. ab res. nr Woodruff, UT**					**Efficiency Pattern =**	**15**							
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**						
#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
Node 6.01	**Woodruff Narrows Reservoir**					**Efficiency Pattern =**	**15**							
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**						
#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

Reach 7 Nodes

Node 7.00	**USGS 10020300: Bear R. bel res. nr Woodruff, UT**					**Efficiency Pattern =**	**15**							
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**						
#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
Node 7.01	**Francis Lee**					**Efficiency Pattern =**	**33**							
	Total Diversions =		0	0	0	0	1923	2797	555	168	97	0	0	0
	Total Irrigation Returns =		0	0	0	0	1269	1846	366	111	64	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**1**						
(USGS 10026500: Bear R. nr Randolph,	Node 8.00	100.0%	0	0	0	0	635	1240	835	551	299	69	21	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
		100.00%	0	0	0	0	635	1240	835	551	299	69	21	6

Node 7.02	**Bear River Canal**					**Efficiency Pattern =**	**33**							
	Total Diversions =		0	0	0	0	2922	3797	752	134	100	0	0	0
	Total Irrigation Returns =		0	0	0	0	1928	2506	496	89	66	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**1**						
(USGS 10026500: Bear R. nr Randolph,	Node 8.00	100.0%	0	0	0	0	964	1735	1164	737	380	80	19	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
		100.00%	0	0	0	0	964	1735	1164	737	380	80	19	7
Node 7.03	**Aggregate Utah Diversions**					**Efficiency Pattern =**	**30**							
	Total Diversions =		0	0	0	0	30744	54918	11019	3291	2604	0	0	0
	Total Irrigation Returns =		0	0	0	0	21521	38443	7713	2304	1823	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(USGS 10026500: Bear R. nr Randolph,	Node 8.00	70.0%	0	0	0	0	10545	21850	10668	4900	1756	416	128	0
(Pixley Dam)	Node 8.01	5.0%	0	0	0	0	753	1561	762	350	125	30	9	0
ırtial Returns from Aggregate Utah Dive	Node 7.04	25.0%	0	0	0	0	3766	7804	3810	1750	627	149	46	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	15065	31214	15240	6999	2508	595	182	0
Node 7.04	**Partial Returns from Aggregate Utah Diversions**					**Efficiency Pattern =**	**30**							
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
#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
Reach 8 Nodes														
Node 8.00	**USGS 10026500: Bear R. nr Randolph, UT**					**Efficiency Pattern =**	**15**							
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**						
#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
Node 8.01	**Pixley Dam**					**Efficiency Pattern =**	**33**							
	Total Diversions =		0	0	0	0	2276	3466	925	46	95	0	0	0
	Total Irrigation Returns =		0	0	0	0	1502	2287	611	30	62	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Confluence Smiths Fork / Bear)	Node 9.01	100.0%	0	0	0	0	1051	1902	1035	372	111	16	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	1051	1902	1035	372	111	16	6	0

Node 8.02	**BQ Dam**					**Efficiency Pattern =**	**33**						
	Total Diversions =		0	0	0	0	3325	7815	1625	77	22	0	0	0
	Total Irrigation Returns =		0	0	0	0	2194	5158	1073	51	14	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Pixley Dam)	Node 8.01	100.0%	0	0	0	0	1536	4049	2002	766	128	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
		100.00%	0	0	0	0	1536	4049	2002	766	128	8	1	0
Reach 9 Nodes														
Node 9.00	**USGS 10028500: Bear R. bel Pixley Dam, near Cokeville, WY**					**Efficiency Pattern =**	**15**						
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**						
#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
Node 9.01	**Confluence Smiths Fork / Bear**					**Efficiency Pattern =**	**15**						
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**3**						
#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
Node 9.02	**AggDiv BR-4**					**Efficiency Pattern =**	**42**						
	Total Diversions =		0	0	0	0	447	2012	1920	871	270	13	0	0
	Total Irrigation Returns =		0	0	0	0	260	1167	1114	505	157	7	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Confluence Smiths Fork / Bear)	Node 9.01	100.0%	0	0	0	0	182	869	1039	693	322	87	17	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
		100.00%	0	0	0	0	182	869	1039	693	322	87	17	1

Reach 10 Nodes

Node 10.01	**USGS 10032000: Smiths Fork nr Border,WY**					**Efficiency Pattern =**	**40**						
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
#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
Node 10.02	**Button Flat**					**Efficiency Pattern =**	**36**						
	Total Diversions =		0	0	0	0	44	160	162	50	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	28	102	104	32	0	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Emelle)	Node 10.03	100.0%	0	0	0	0	20	77	96	54	17	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	20	77	96	54	17	3	0	0
Node 10.03	**Emelle**					**Efficiency Pattern =**	**36**						
	Total Diversions =		0	0	0	0	186	816	675	242	28	0	0	0
	Total Irrigation Returns =		0	0	0	0	119	522	432	155	18	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Cooper)	Node 10.04	50.0%	0	0	0	0	42	195	209	123	43	10	1	0
(Covey)	Node 10.05	50.0%	0	0	0	0	42	195	209	123	43	10	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
		100.00%	0	0	0	0	83	389	419	247	87	19	2	0

Bear River Spreadsheet Model
Dry Year Conditions

Node 10.04	**Cooper**					**Efficiency Pattern =**	**36**						
	Total Diversions =		0	0	0	0	335	462	284	114	0	0	0	0
	Total Irrigation Returns =		0	0	0	0	215	296	182	73	0	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Covey)	Node 10.05	100.0%	0	0	0	0	150	250	208	117	33	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
		100.00%	0	0	0	0	150	250	208	117	33	7	0	0
Node 10.05	**Covey**					**Efficiency Pattern =**	**30**						
	Total Diversions =		0	0	0	0	2878	3745	2327	973	423	0	0	0
	Total Irrigation Returns =		0	0	0	0	2014	2622	1629	681	296	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**1**						
(Whites Water)	Node 10.08	10.0%	0	0	0	0	101	181	177	134	82	34	11	3
(AggDiv BR-5)	Node 11.01	90.0%	0	0	0	0	906	1633	1595	1208	742	305	101	27
		0.0%	0	0	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	1007	1814	1772	1342	825	339	113	30
Node 10.06	**VH Canal**					**Efficiency Pattern =**	**47**						
	Total Diversions =		0	0	0	0	314	569	484	435	172	0	0	0
	Total Irrigation Returns =		0	0	0	0	166	302	256	230	91	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**1**						
(Whites Water)	Node 10.08	100.0%	0	0	0	0	83	192	228	241	172	83	37	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
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	83	192	228	241	172	83	37	9
Node 10.07	**Goodell**					**Efficiency Pattern =**	**47**						
	Total Diversions =		0	0	0	0	196	360	384	278	171	0	0	0
	Total Irrigation Returns =		0	0	0	0	104	191	204	147	91	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**1**						
(Whites Water)	Node 10.08	100.0%	0	0	0	0	52	121	165	164	132	65	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
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	52	121	165	164	132	65	28	9
Node 10.08	**Whites Water**					**Efficiency Pattern =**	**40**						
	Total Diversions =		0	0	0	0	729	1095	836	454	243	0	0	0
	Total Irrigation Returns =		0	0	0	0	437	657	502	272	146	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(AggDiv BR-5)	Node 11.01	100.0%	0	0	0	0	306	547	526	357	207	56	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
		100.00%	0	0	0	0	306	547	526	357	207	56	15	0

Node 10.09	**S Branch Irrigating**					**Efficiency Pattern =**	**42**							
	Total Diversions =		0	0	0	0	1017	940	457	95	38	0	0	0
	Total Irrigation Returns =		0	0	0	0	590	545	265	55	22	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(AggDiv BR-5)	Node 11.01	100.0%	0	0	0	0	413	500	353	146	53	10	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
		100.00%	0	0	0	0	413	500	353	146	53	10	2	0
Node 10.10	**AggDiv SF-1**					**Efficiency Pattern =**	**42**							
	Total Diversions =		0	0	0	0	811	3644	3478	1578	489	23	0	0
	Total Irrigation Returns =		0	0	0	0	470	2113	2017	915	284	14	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Confluence Smiths Fork / Bear)	Node 9.01	100.0%	0	0	0	0	329	1573	1882	1255	583	158	31	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
		100.00%	0	0	0	0	329	1573	1882	1255	583	158	31	1

Reach 11 Nodes

Node 11.01	**AggDiv BR-5**					**Efficiency Pattern =**	**42**							
	Total Diversions =		0	0	0	0	552	2481	2367	1074	333	16	0	0
	Total Irrigation Returns =		0	0	0	0	320	1439	1373	623	193	9	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Alonzo F. Sights)	Node 11.02	40.0%	0	0	0	0	90	428	512	342	159	43	8	0
(Oscar E. Snyder)	Node 11.03	40.0%	0	0	0	0	90	428	512	342	159	43	8	0
(Cook Brothers)	Node 11.04	20.0%	0	0	0	0	45	214	256	171	79	21	4	0
		0.0%	0	0	0	0	0	0	0	0	0	0	0	0
		100.00%	0	0	0	0	224	1071	1281	855	397	107	21	1

Node 11.02	**Alonzo F. Sights**					**Efficiency Pattern =**	**40**							
	Total Diversions =		0	0	0	0	400	746	524	234	27	0	0	0
	Total Irrigation Returns =		0	0	0	0	240	447	314	140	16	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Oscar E. Snyder)	Node 11.03	50.0%	0	0	0	0	84	181	167	103	36	9	1	0
(Cook Brothers)	Node 11.04	50.0%	0	0	0	0	84	181	167	103	36	9	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
		100.00%	0	0	0	0	168	361	334	206	71	17	2	0
Node 11.03	**Oscar E. Snyder**					**Efficiency Pattern =**	**40**							
	Total Diversions =		0	0	0	0	461	942	588	381	260	0	0	0
	Total Irrigation Returns =		0	0	0	0	276	565	353	229	156	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Cook Brothers)	Node 11.04	50.0%	0	0	0	0	97	226	194	144	95	27	8	0
(USGS 10039500: Bear R. at Border, W	Node 12.00	50.0%	0	0	0	0	97	226	194	144	95	27	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
		100.00%	0	0	0	0	194	451	388	287	190	54	16	0
Node 11.04	**Cook Brothers**					**Efficiency Pattern =**	**40**							
	Total Diversions =		0	0	0	0	1906	2084	1141	1323	796	0	0	0
	Total Irrigation Returns =		0	0	0	0	1143	1250	684	794	478	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(USGS 10039500: Bear R. at Border, W	Node 12.00	100.0%	0	0	0	0	800	1104	844	818	562	175	48	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
		100.00%	0	0	0	0	800	1104	844	818	562	175	48	0
Reach 12 Nodes														
Node 12.00	**USGS 10039500: Bear R. at Border, WY**					**Efficiency Pattern =**	**40**							
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
#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
Node 12.01	**Confluence Thomas Fork**					**Efficiency Pattern =**	**40**							
	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
TO:	**TO:**	**Percent**					**Return Pattern =**	**1**						
#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

Bear River Spreadsheet Model
Dry Year Conditions

		100.00%	0	0	0	0	0	0	0	0	0	0	0	0
Node 12.02	**Aggregate Idaho Diversions**					**Efficiency Pattern =**	**60**							
	Total Diversions =		0	0	0	0	16439	18876	10008	5570	5224	0	0	0
	Total Irrigation Returns =		0	0	0	0	6576	7551	4003	2228	2090	0	0	0
TO:	**TO:**	**Percent**					**Return Pattern =**	**2**						
(Rainbow Inlet)	Node 12.03	100.0%	0	0	0	0	4603	6601	4970	3115	2309	641	209	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	4603	6601	4970	3115	2309	641	209	0

*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
Node 1.00	USGS 10011500: Bear River near UT-W	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	710	1068	744	412	211	60	16	2
Node 1.07	Meyers No. 2	0	0	0	0	197	434	321	160	88	21	7	0
Node 1.08	Meyers No. 1	0	0	0	0	121	339	476	301	176	44	11	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	43	72	81	68	36	10	2	0
Node 1.12	Anel	0	0	0	0	113	154	151	105	54	15	3	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	111	196	165	80	33	7	1	0
Node 1.18	Confluence Mill Cr.	0	0	0	0	331	598	508	309	178	60	16	4
Node 10.01	USGS 10032000: Smiths Fork nr Borde	0	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	0
Node 10.03	Emelle	0	0	0	0	20	77	96	54	17	3	0	0
Node 10.04	Cooper	0	0	0	0	42	195	209	123	43	10	1	0
Node 10.05	Covey	0	0	0	0	192	445	417	240	76	17	1	0
Node 10.06	VH Canal	0	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	0
Node 10.08	Whites Water	0	0	0	0	236	495	571	539	386	182	76	21
Node 10.09	S Branch Irrigating	0	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	0
Node 11.00	USGS 10038000: Bear R. bel Smiths Fc	0	0	0	0	0	0	0	0	0	0	0	0
Node 11.01	AggDiv BR-5	0	0	0	0	1625	2680	2474	1711	1002	371	118	27
Node 11.02	Alonzo F. Sights	0	0	0	0	90	428	512	342	159	43	8	0
Node 11.03	Oscar E. Snyder	0	0	0	0	174	609	679	445	194	52	9	0
Node 11.04	Cook Brothers	0	0	0	0	226	620	617	417	210	57	13	0
Node 12.00	USGS 10039500: Bear R. at Border, W	0	0	0	0	897	1329	1037	961	657	202	56	0
Node 12.01	Confluence Thomas Fork	0	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	0
Node 12.03	Rainbow Inlet	0	0	0	0	4603	6601	4970	3115	2309	641	209	0
Node 12.04	Stewart Dam	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.00	USGS 10015700: Sulphur Cr. ab Res.Bl	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.01	AggDiv SC-1/Broadbent	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.02	Sulphur Creek Reservoir	0	0	0	0	865	1912	1796	1222	800	302	90	32
Node 2.03	AggDiv SC-2	0	0	0	0	367	773	742	527	335	125	37	12
Node 3.00	Confluence Sulphur Creek / Bear River	0	0	0	27	479	1525	1828	1178	582	172	38	4
Node 3.01	Evanston Water Ditch	0	0	0	0	223	451	399	300	172	49	12	0
Node 3.02	Rocky Mtn & Blyth	0	0	0	0	312	697	685	537	322	92	24	0

Bear River Spreadsheet Model
Dry Year Conditions

Node 4.00	USGS 10016900: Bear R. at Evanston, V	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.01	John Simms	0	0	0	0	185	313	274	200	125	36	10	0
Node 4.02	S P Ramsey	0	0	0	0	204	277	234	167	114	33	9	0
Node 4.03	AggDiv BR-2	0	0	0	0	287	393	297	212	128	37	10	0
Node 5.00	Confluence Yellow Creek / Bear River	0	0	0	0	137	207	288	261	186	0	0	0
Node 5.01	Chapman Canal	0	0	0	10	321	769	806	526	263	78	18	1
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	1508	1946	1159	526	228	54	16	0
Node 5.04	Tunnel	0	0	0	4	78	249	299	193	95	28	6	1
Node 6.00	USGS 10020100: Bear R. ab res. nr Wo	0	0	0	0	0	0	0	0	0	0	0	0
Node 6.01	Woodruff Narrows Reservoir	0	0	0	0	302	668	414	212	110	27	9	0
Node 7.00	USGS 10020300: Bear R. bel res. nr W	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 Div	0	0	0	0	3766	7804	3810	1750	627	149	46	0
Node 8.00	USGS 10026500: Bear R. nr Randolph,	0	0	0	0	12144	24825	12667	6187	2435	565	167	13
Node 8.01	Pixley Dam	0	0	0	0	2289	5610	2764	1116	253	38	11	0
Node 8.02	BQ Dam	0	0	0	0	0	0	0	0	0	0	0	0
Node 9.00	USGS 10028500: Bear R. bel Pixley Da	0	0	0	0	0	0	0	0	0	0	0	0
Node 9.01	Confluence Smiths Fork / Bear	0	0	0	0	1562	4344	3956	2321	1016	260	54	2
Node 9.02	AggDiv BR-4	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL	0	0	0	41	34758	69105	46448	26818	13619	3841	1105	120

Irrigation Returns: Total By Reach

Reach Number		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1		0	0	0	0	1625	2862	2446	1435	775	218	57	6
2		0	0	0	0	1231	2685	2537	1750	1135	427	127	44
3		0	0	0	27	1014	2673	2912	2015	1076	314	74	4
4		0	0	0	0	676	983	806	579	367	105	29	0
5		0	0	0	14	2044	3172	2552	1505	772	161	40	2
6		0	0	0	0	302	668	414	212	110	27	9	0
7		0	0	0	0	3766	7804	3810	1750	627	149	46	0
8		0	0	0	0	14433	30435	15431	7303	2688	603	178	13
9		0	0	0	0	1562	4344	3956	2321	1016	260	54	2
10		0	0	0	0	489	1212	1294	956	522	212	78	21
11		0	0	0	0	2114	4338	4283	2915	1565	523	149	28
12		0	0	0	0	5500	7930	6007	4076	2965	843	265	0
		0	0	0	41	34758	69105	46448	26818	13619	3841	1105	120

Bear River Spreadsheet Model
Dry 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

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
Dry Year Conditions

(DRY YEAR)

Ungaged Reach Gains

Reach Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Reach 1, 2 & 3	0	22	3,773	5,322	1,373	3,335	0	0	0	0	0	0
Reach 4 & 5	130	104	0	0	0	1,962	0	0	0	0	614	434
Reach 6	0	0	0	0	0	0	0	0	0	0	0	0
Reach 7	1,681	1,471	2,819	407	11,602	30,654	8,884	2,248	2,400	1,043	1,947	1,801
Reach 8	0	0	0	381	0	0	0	0	0	0	0	0
Reach 9 & 10	2,724	2,602	4,427	1,705	8,107	13,933	7,853	1,811	1,071	601	2,384	2,537
Reach 11	47	77	330	0	0	0	0	0	0	0	0	148
Reach 12	0	0	3,279	1,444	1,929	0	0	0	0	0	0	0
NA												

Ungaged Reach Losses

Reach Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Reach 1, 2 & 3	381	0	0	0	0	0	569	2,225	2,153	2,746	1,845	1,222
Reach 4 & 5	0	0	67	3,243	1,001	0	1,344	1,042	369	107	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	783	826	232	0	11,811	26,698	12,182	6,623	2,292	773	601	688
Reach 9 & 10	0	0	0	0	0	0	0	0	0	0	0	0
Reach 11	0	0	0	593	2,162	2,493	1,407	1,307	940	713	225	0
Reach 12	824	391	0	0	0	7,420	5,803	2,507	1,230	4,121	2,929	2,847
NA												

Bear River Spreadsheet Model
Dry Year Conditions

Ungaged Gain and Loss Calculations (DRY YEAR)

Reach 1 Gain/Loss **NOTE:** Reaches 1 and 3 are sequential reaches of the Bear River Mainstem which comprise a total reach bound by USGS gagesThe 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 UT	2440	2043	2277	6495	29835	23208	7595	3577	2653	2895	2578	2433
Upstream Gage at:	Node 2.00	USGS 10015700: Sulphur Cr. ab Res.	96	97	468	639	644	363	65	34	12	51	102	115
Downstream Gage at:	Node 4.00	USGS 10016900: Bear R. at Evanston	2104	2085	6685	13571	27361	18256	3495	1556	843	941	1031	1384
		Gage Difference	**-432**	**-55**	**3940**	**6438**	**-3117**	**-5316**	**-4165**	**-2055**	**-1823**	**-2005**	**-1649**	**-1164**
	Reach	**Diversions**												
	1	Total Diversions	0	0	0	15	7797	12527	8117	3417	2036	14	0	0
	2	Total Diversions	0	0	0	44	757	2230	2192	949	351	41	0	0
	3	Total Diversions	0	0	0	0	1090	1797	1239	817	506	0	0	0
	2	Gain/Loss at Sulphur Cr. Res.	50	77	-167	-1147	-1283	329	-45	-141	-225	162	63	-3
		Reach Total Diversions	**50**	**77**	**-167**	**-1088**	**8361**	**16883**	**11504**	**5042**	**2668**	**217**	**63**	**-3**
		Returns												
	1	Total Returns	0	0	0	0	1625	2862	2446	1435	775	218	57	6
	2	Total Returns	0	0	0	0	1231	2685	2537	1750	1135	427	127	44
	3	Total Returns	0	0	0	27	1014	2673	2912	2015	1076	314	74	4
	2	Broadbent Import	0	0	0	0	0	12	12	12	12	0	0	0
		Reach Total Returns	**0**	**0**	**0**	**27**	**3871**	**8232**	**7908**	**5212**	**2998**	**959**	**259**	**54**
			Jan	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
REACH NAME =	Reach 1, 2 & 3	Net Gain/Loss	-381	22	3773	5322	1373	3335	-569	-2225	-2153	-2746	-1845	-1222

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Upstream Gage at:	Node 4.00	USGS 10016900: Bear R. at Evanston	2104	2085	6685	13571	27361	18256	3495	1556	843	941	1031	1384
Downstream Gage at:	Node 6.00	USGS 10020100: Bear R. ab res. nr W	2235	2189	6618	10311	23649	17156	1753	921	703	1070	1714	1820
		Gage Difference	**130**	**104**	**-67**	**-3260**	**-3713**	**-1100**	**-1742**	**-635**	**-139**	**129**	**682**	**436**
	Reach	**Diversions**												
	4	Total Diversions	0	0	0	21	1634	2455	1812	990	480	21	0	0
	5	Total Diversions	0	0	0	10	3797	4762	1944	687	430	9	0	0
		Reach Total Diversions	**0**	**0**	**0**	**31**	**5432**	**7216**	**3756**	**1677**	**910**	**30**	**0**	**0**
		Returns												
	4	Total Returns	0	0	0	0	676	983	806	579	367	105	29	0
	5	Total Returns	0	0	0	14	2044	3172	2552	1505	772	161	40	2
		Reach Total Returns	**0**	**0**	**0**	**14**	**2720**	**4155**	**3358**	**2084**	**1139**	**266**	**69**	**2**
			Jan	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
REACH NAME =	Reach 4 & 5	Net Gain/Loss	130	104	-67	-3243	-1001	1962	-1344	-1042	-369	-107	614	434

Bear River Spreadsheet Model
Dry 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 W	2235	2189	6618	10311	23649	17156	1753	921	703	1070	1714	1820
Downstream Gage at:	Node 7.00	USGS 10020300: Bear R. bel res. nr \	1073	1020	1156	3146	24891	38200	5776	1610	986	713	685	833
		Gage Difference	**-1162**	**-1169**	**-5461**	**-7166**	**1243**	**21044**	**4022**	**689**	**283**	**-357**	**-1028**	**-987**
	Reach	**Diversions**												
	6	Total Diversions	0	0	0	0	0	0	0	0	0	0	0	0
	6	Gain/Loss at Woodruff Narrows Res.	1162	1169	5461	7166	-940	-20376	-3608	-477	-172	384	1037	987
		Reach Total Diversions	**1162**	**1169**	**5461**	**7166**	**-940**	**-20376**	**-3608**	**-477**	**-172**	**384**	**1037**	**987**
		Returns												
	6	Total Returns	0	0	0	0	302	668	414	212	110	27	9	0
		Reach Total Returns	**0**	**0**	**0**	**0**	**302**	**668**	**414**	**212**	**110**	**27**	**9**	**0**
			Jan	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**
REACH NAME =	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 \	1073	1020	1156	3146	24891	38200	5776	1610	986	713	685	833
Downstream Gage at:	Node 8.00	USGS 10026500: Bear R. nr Randolpl	2754	2491	3976	3553	4671	15145	6144	2015	1212	1905	2678	2634
		Gage Difference	**1681**	**1471**	**2819**	**407**	**-20221**	**-23055**	**368**	**405**	**226**	**1192**	**1992**	**1801**
	Reach	**Diversions**												
	7	Total Diversions	0	0	0	0	35589	61512	12326	3593	2801	0	0	0
		Reach Total Diversions	**0**	**0**	**0**	**0**	**35589**	**61512**	**12326**	**3593**	**2801**	**0**	**0**	**0**
		Returns												
	7	Total Returns	0	0	0	0	3766	7804	3810	1750	627	149	46	0
		Reach Total Returns	**0**	**0**	**0**	**0**	**3766**	**7804**	**3810**	**1750**	**627**	**149**	**46**	**0**
REACH NAME =	Reach 7	Net Gain/Loss	1681	1471	2819	407	11602	30654	8884	2248	2400	1043	1947	1801

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Upstream Gage at:	Node 8.00	USGS 10026500: Bear R. nr Randolpl	2754	2491	3976	3553	4671	15145	6144	2015	1212	1905	2678	2634
Downstream Gage at:	Node 9.00	USGS 10028500: Bear R. bel Pixley D	1972	1665	3744	3934	1693	7601	6842	2572	1492	1735	2255	1959
		Gage Difference	**-783**	**-826**	**-232**	**381**	**-2978**	**-7543**	**698**	**557**	**279**	**-170**	**-423**	**-675**
	Reach	**Diversions**												
	8	Total Diversions	0	0	0	0	5600	11280	2551	123	116	0	0	0
		Reach Total Diversions	**0**	**0**	**0**	**0**	**5600**	**11280**	**2551**	**123**	**116**	**0**	**0**	**0**
		Returns												
	8	Total Returns	0	0	0	0	14433	30435	15431	7303	2688	603	178	13
		Reach Total Returns	**0**	**0**	**0**	**0**	**14433**	**30435**	**15431**	**7303**	**2688**	**603**	**178**	**13**
REACH NAME =	Reach 8	Net Gain/Loss	-783	-826	-232	381	-11811	-26698	-12182	-6623	-2292	-773	-601	-688

Bear River Spreadsheet Model
Dry Year Conditions

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Upstream Gage at:	Node 9.00	USGS 10028500: Bear R. bel Pixley D	1972	1665	3744	3934	1693	7601	6842	2572	1492	1735	2255	1959
Upstream Gage at:	Node 10.01	USGS 10032000: Smiths Fork nr Borc	3606	3243	3847	8503	16611	13589	6937	5109	4162	4226	3706	3366
Downstream Gage at:	Node 11.00	USGS 10038000: Bear R. bel Smiths	8301	7510	12018	14142	21507	26874	15875	7679	6429	6998	8477	7884
		Gage Difference	**2724**	**2602**	**4427**	**1705**	**3202**	**5684**	**2096**	**-1**	**776**	**1037**	**2516**	**2560**
	Reach	**Diversions**												
	9	Total Diversions	0	0	0	0	447	2012	1920	871	270	13	0	0
	10	Total Diversions	0	0	0	0	6508	11792	9086	4218	1564	23	0	0
		Reach Total Diversions	**0**	**0**	**0**	**0**	**6956**	**13804**	**11006**	**5089**	**1834**	**36**	**0**	**0**
		Returns												
	9	Total Returns	0	0	0	0	1562	4344	3956	2321	1016	260	54	2
	10	Total Returns	0	0	0	0	489	1212	1294	956	522	212	78	21
		Reach Total Returns	**0**	**0**	**0**	**0**	**2051**	**5556**	**5249**	**3277**	**1538**	**472**	**133**	**23**
REACH NAME =	Reach 9 & 10	Net Gain/Loss	2724	2602	4427	1705	8107	13933	7853	1811	1071	601	2384	2537

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Upstream Gage at:	Node 11.00	USGS 10038000: Bear R. bel Smiths	8301	7510	12018	14142	21507	26874	15875	7679	6429	6998	8477	7884
Downstream Gage at:	Node 12.00	USGS 10039500: Bear R. at Border, V	8348	7587	12348	13549	18140	22467	14131	6274	5638	6792	8400	8060
		Gage Difference	**47**	**77**	**330**	**-593**	**-3367**	**-4408**	**-1744**	**-1405**	**-791**	**-206**	**-77**	**176**
	Reach	**Diversions**												
	11	Total Diversions	0	0	0	0	3319	6253	4620	3013	1416	16	0	0
		Reach Total Diversions	**0**	**0**	**0**	**0**	**3319**	**6253**	**4620**	**3013**	**1416**	**16**	**0**	**0**
		Returns												
	11	Total Returns	0	0	0	0	2114	4338	4283	2915	1565	523	149	28
		Reach Total Returns	**0**	**0**	**0**	**0**	**2114**	**4338**	**4283**	**2915**	**1565**	**523**	**149**	**28**
REACH NAME =	Reach 11	Net Gain/Loss	47	77	330	-593	-2162	-2493	-1407	-1307	-940	-713	-225	148

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Upstream Gage at:	Node 12.00	USGS 10039500: Bear R. at Border, V	8348	7587	12348	13549	18140	22467	14131	6274	5638	6792	8400	8060
Downstream Gage at:	Node 12.04	Stewart Dam	581	644	624	451	490	666	663	796	706	721	407	309
		Gage Difference	**-7767**	**-6943**	**-11723**	**-13098**	**-17650**	**-21801**	**-13468**	**-5478**	**-4932**	**-6071**	**-7993**	**-7751**
	Reach	**Diversions**												
	12	Total Diversions	6943	6552	15002	14541	25079	22311	13672	7047	6667	2793	5329	4903
		Reach Total Diversions	**6943**	**6552**	**15002**	**14541**	**25079**	**22311**	**13672**	**7047**	**6667**	**2793**	**5329**	**4903**
		Returns												
	12	Total Returns	0	0	0	0	5500	7930	6007	4076	2965	843	265	0
		Reach Total Returns	**0**	**0**	**0**	**0**	**5500**	**7930**	**6007**	**4076**	**2965**	**843**	**265**	**0**
REACH NAME =	Reach 12	Net Gain/Loss	-824	-391	3279	1444	1929	-7420	-5803	-2507	-1230	-4121	-2929	-2847

(DRY YEAR)

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.Bl.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 Woodruf	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
Node 9.00	USGS 10028500: Bear R. bel Pixley Dam, nea	0	0	0	0	0	0	0	0	0	0	0	0

Bear River Spreadsheet Model
Dry Year Conditions

Node 9.01	Confluence Smiths Fork / Bear	0	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	0
Node 10.01	USGS 10032000: Smiths Fork nr Border,WY	0	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	0
Node 10.03	Emelle	0	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	0
Node 10.05	Covey	0	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	0
Node 10.07	Goodell	0	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	0
Node 10.09	S Branch Irrigating	0	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	0
Node 11.00	USGS 10038000: Bear R. bel Smiths Fork, nr	0	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	0
Node 11.02	Alonzo F. Sights	0	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	0
Node 11.04	Cook Brothers	0	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	0
Node 12.01	Confluence Thomas Fork	0	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	0
Node 12.03	Rainbow Inlet	0	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	0

Gaging Station Data

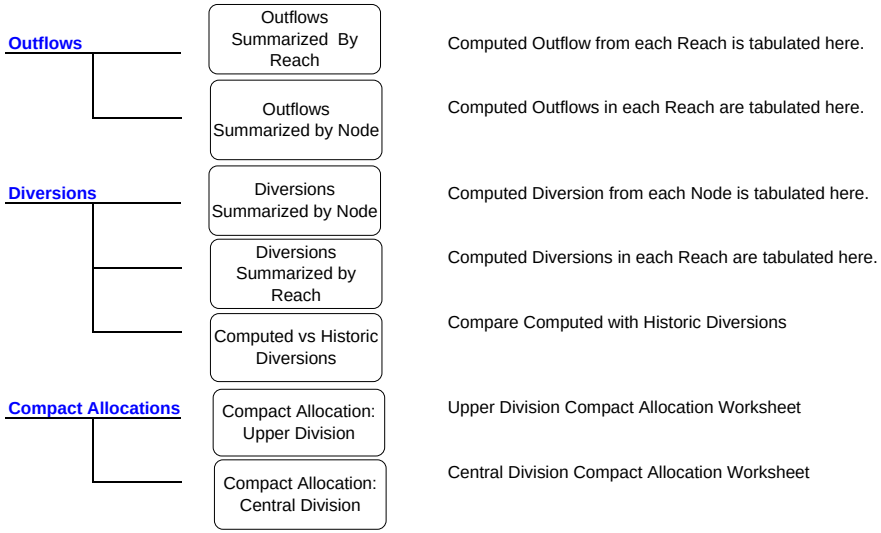
Average Monthly Streamflow (ac-ft) : Dry Year Conditions

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 Line	10011500	2,440	2,043	2,277	6,495	29,835	23,208	7,595	3,577	2,653	2,895	2,578	2,433
Node 2.00	USGS 10015700: Sulphur Cr. ab Res.Bl.La Chapelle Cr.Nr.Evanston,WY	10015700	96	97	468	639	644	363	65	34	12	51	102	115
Node 4.00	USGS 10016900: Bear R. at Evanston, WY	10016900	2,104	2,085	6,685	13,571	27,361	18,256	3,495	1,556	843	941	1,031	1,384
Node 6.00	USGS 10020100: Bear R. ab res. nr Woodruff, UT	10020100	2,235	2,189	6,618	10,311	23,649	17,156	1,753	921	703	1,070	1,714	1,820
Node 7.00	USGS 10020300: Bear R. bel res. nr Woodruff, UT	10020300	1,073	1,020	1,156	3,146	24,891	38,200	5,776	1,610	986	713	685	833
Node 8.00	USGS 10026500: Bear R. nr Randolph, UT	10026500	2,754	2,491	3,976	3,553	4,671	15,145	6,144	2,015	1,212	1,905	2,678	2,634
Node 9.00	USGS 10028500: Bear R. bel Pixley Dam, near Cokeville, WY	10028500	1,972	1,665	3,744	3,934	1,693	7,601	6,842	2,572	1,492	1,735	2,255	1,959
Node 10.01	USGS 10032000: Smiths Fork nr Border,WY	10032000	3,606	3,243	3,847	8,503	16,611	13,589	6,937	5,109	4,162	4,226	3,706	3,366
Node 11.00	USGS 10038000: Bear R. bel Smiths Fork, nr Cokeville, WY	10038000	8,301	7,510	12,018	14,142	21,507	26,874	15,875	7,679	6,429	6,998	8,477	7,884
Node 12.00	USGS 10039500: Bear R. at Border, WY	10039500	8,348	7,587	12,348	13,549	18,140	22,467	14,131	6,274	5,638	6,792	8,400	8,060
Node 12.04	Stewart Dam	PP&L Gage	581	644	624	451	490	666	663	796	706	721	407	309

Bear River Spreadsheet Model
Dry Year Conditions

Results Navigator

Select the Summary Output You Would Like to View



Bear River Spreadsheet Model
Dry Year Conditions

Results Options

Outflow Summary Worksheet

(DRY YEAR)

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	2,440	2,064	5,937	11,658	31,167	26,443	7,595	3,577	2,653	2,895	2,578	2,433
Node 1.01 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	30,281	25,433	7,041	3,462	2,569	2,895	2,578	2,433
Node 1.02 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	29,306	23,713	6,129	3,261	2,385	2,895	2,578	2,433
Node 1.03 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	27,235	20,257	4,244	2,710	2,000	2,895	2,578	2,433
Node 1.04 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	26,465	18,778	3,519	2,503	1,819	2,895	2,578	2,433
Node 1.05 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	25,421	17,673	3,097	2,303	1,712	2,895	2,578	2,433
Node 1.06 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	25,978	18,408	3,471	2,599	1,886	2,955	2,595	2,435
Node 1.07 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	26,085	18,565	3,420	2,575	1,853	2,976	2,601	2,435
Node 1.08 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	26,366	19,270	4,179	3,016	2,148	3,080	2,629	2,440
Node 1.09 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	26,136	19,022	3,975	2,895	2,102	3,080	2,629	2,440
Node 1.10 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	25,795	18,503	3,256	2,243	1,638	3,080	2,629	2,440
Node 1.11 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	25,401	17,818	2,834	1,976	1,505	3,091	2,631	2,440
Node 1.12 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	25,288	17,636	2,777	2,025	1,538	3,106	2,634	2,440
Node 1.13 NET Flow (In - Out)	1	2,440	2,064	5,937	11,658	25,147	17,354	2,520	1,844	1,481	3,106	2,634	2,440
Node 1.15 NET Flow (In - Out)	1	2,440	2,064	5,937	11,643	24,995	16,778	1,924	1,595	1,392	3,098	2,635	2,440

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	96	97	468	639	644	363	65	34	12	51	102	115
Node 2.01 NET Flow (In - Out)	2	96	97	468	639	644	375	77	46	24	51	102	115
Node 2.02 NET Flow (In - Out)	2	46	20	635	1,785	2,792	1,958	1,918	1,410	1,049	191	130	151
Node 2.03 NET Flow (In - Out)	2	46	21	748	1,901	2,442	601	467	988	1,033	275	167	163

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	2,486	2,085	6,685	13,571	27,916	18,905	4,219	3,761	3,007	3,546	2,841	2,606
Node 3.01 NET Flow (In - Out)	3	2,486	2,085	6,685	13,571	27,523	18,158	3,724	3,458	2,843	3,595	2,853	2,606
Node 3.02 NET Flow (In - Out)	3	2,104	2,085	6,685	13,571	27,361	18,256	3,495	1,556	843	941	1,031	1,384

Bear River Spreadsheet Model
Dry 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	2,235	2,189	6,685	13,571	27,361	20,217	3,495	1,556	843	941	1,645	1,818
Node 4.01 NET Flow (In - Out)	4	2,235	2,189	6,685	13,571	26,919	19,914	3,342	1,458	775	977	1,655	1,818
Node 4.02 NET Flow (In - Out)	4	2,235	2,189	6,685	13,571	26,488	19,444	3,265	1,398	772	1,009	1,664	1,818
Node 4.03 NET Flow (In - Out)	4	2,235	2,189	6,685	13,550	26,403	18,746	2,489	1,145	729	1,025	1,674	1,818

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	2,235	2,189	6,685	13,550	26,540	18,953	2,777	1,405	915	1,025	1,674	1,818
Node 5.01 NET Flow (In - Out)	5	2,235	2,189	6,685	13,560	23,949	16,803	2,615	1,625	986	1,103	1,692	1,819
Node 5.02 NET Flow (In - Out)	5	2,235	2,189	6,685	13,560	23,805	16,624	2,498	1,574	906	1,103	1,692	1,819
Node 5.03 NET Flow (In - Out)	5	2,235	2,189	6,685	13,550	25,146	18,080	3,174	1,890	1,057	1,149	1,707	1,819

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	2,235	2,189	6,618	10,311	23,649	17,156	1,753	921	703	1,070	1,714	1,820
Node 6.01 NET Flow (In - Out)	6	1,073	1,020	1,156	3,146	24,891	38,200	5,776	1,610	986	713	685	833

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	2,754	2,491	3,976	3,553	36,494	68,854	14,660	3,858	3,386	1,756	2,632	2,634
Node 7.01 NET Flow (In - Out)	7	2,754	2,491	3,976	3,553	3,826	11,139	3,086	399	686	1,756	2,632	2,634
Node 7.02 NET Flow (In - Out)	7	2,754	2,491	3,976	3,553	904	7,341	2,334	265	585	1,756	2,632	2,634
Node 7.03 NET Flow (In - Out)	7	2,754	2,491	3,976	3,553	5,749	13,936	3,641	567	782	1,756	2,632	2,634

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	2,754	2,491	3,976	3,934	16,815	39,970	18,811	8,202	3,647	2,470	2,845	2,647
Node 8.01 NET Flow (In - Out)	8	1,972	1,665	3,744	3,934	1,693	7,601	6,842	2,572	1,492	1,735	2,255	1,959

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	2,870	2,524	5,204	4,497	4,368	12,199	9,434	3,169	1,845	1,933	3,041	2,796
Node 9.01 NET Flow (In - Out)	9	8,301	7,510	12,018	14,142	21,507	26,874	15,875	7,679	6,429	6,998	8,477	7,884

Bear River Spreadsheet Model
Dry Year Conditions

Reach 10 NET Flow (In - Out) Summary Table

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 10.01 NET Flow (In - Out)	10	5,431	4,986	6,813	9,645	22,043	22,924	12,199	6,322	4,879	4,629	5,303	5,065
Node 10.02 NET Flow (In - Out)	10	5,431	4,986	6,813	9,645	21,999	22,764	12,036	6,272	4,879	4,629	5,303	5,065
Node 10.03 NET Flow (In - Out)	10	5,431	4,986	6,813	9,645	21,833	22,025	11,457	6,083	4,868	4,632	5,303	5,065
Node 10.04 NET Flow (In - Out)	10	5,431	4,986	6,813	9,645	21,539	21,757	11,383	6,093	4,912	4,641	5,304	5,065
Node 10.05 NET Flow (In - Out)	10	5,431	4,986	6,813	9,645	18,854	18,457	9,473	5,361	4,564	4,658	5,305	5,065
Node 10.06 NET Flow (In - Out)	10	5,431	4,986	6,813	9,645	18,540	17,888	8,989	4,926	4,393	4,658	5,305	5,065
Node 10.07 NET Flow (In - Out)	10	5,431	4,986	6,813	9,645	18,344	17,528	8,605	4,648	4,221	4,658	5,305	5,065
Node 10.08 NET Flow (In - Out)	10	5,431	4,986	6,813	9,645	17,851	16,928	8,340	4,733	4,364	4,840	5,381	5,086
Node 10.09 NET Flow (In - Out)	10	5,431	4,986	6,813	9,645	16,834	15,987	7,883	4,639	4,327	4,840	5,381	5,086
Node 10.10 NET Flow (In - Out)	10	5,431	4,986	6,813	9,645	16,024	12,343	4,406	3,061	3,838	4,817	5,381	5,086

Reach 11 NET Flow (In - Out) Summary Table

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 11.01 NET Flow (In - Out)	11	8,348	7,587	12,348	14,142	22,580	27,074	15,982	8,315	7,098	7,353	8,595	8,059
Node 11.02 NET Flow (In - Out)	11	8,348	7,587	12,348	14,142	22,269	26,757	15,971	8,423	7,229	7,396	8,603	8,059
Node 11.03 NET Flow (In - Out)	11	8,348	7,587	12,348	14,142	21,982	26,424	16,062	8,487	7,164	7,448	8,612	8,060
Node 11.04 NET Flow (In - Out)	11	8,348	7,587	12,348	13,549	18,140	22,467	14,131	6,274	5,638	6,792	8,400	8,060

Reach 12 NET Flow (In - Out) Summary Table

NODE	Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Node 12.00 NET Flow (In - Out)	11	8,348	7,587	12,348	13,549	19,037	23,796	15,168	7,236	6,294	6,994	8,456	8,060
Node 12.01 NET Flow (In - Out)	11	8,348	7,587	15,626	14,992	20,966	23,796	15,168	7,236	6,294	6,994	8,456	8,060
Node 12.02 NET Flow (In - Out)	11	8,348	7,587	15,626	14,992	4,527	4,920	5,160	1,666	1,071	6,994	8,456	8,060
Node 12.03 NET Flow (In - Out)	11	1,405	1,035	624	451	490	8,086	6,467	3,304	1,936	4,842	3,336	3,157
Node 12.04 NET Flow (In - Out)	11	581	644	624	451	490	666	663	796	706	721	407	309

Bear River Spreadsheet Model
Dry Year Conditions

Summary of Outflow Calculations: By Reach

Reach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Reach 1	2,440	2,064	5,937	11,643	24,995	16,778	1,924	1,595	1,392	3,098	2,635	2,440
Reach 2	46	21	748	1,901	2,442	601	467	988	1,033	275	167	163
Reach 3	2,104	2,085	6,685	13,571	27,361	18,256	3,495	1,556	843	941	1,031	1,384
Reach 4	2,235	2,189	6,685	13,571	26,488	19,444	3,265	1,398	772	1,009	1,664	1,818
Reach 5	2,235	2,189	6,685	13,550	25,146	18,080	3,174	1,890	1,057	1,149	1,707	1,819
Reach 6	1,073	1,020	1,156	3,146	24,891	38,200	5,776	1,610	986	713	685	833
Reach 7	2,754	2,491	3,976	3,553	5,749	13,936	3,641	567	782	1,756	2,632	2,634
Reach 8	1,972	1,665	3,744	3,934	1,693	7,601	6,842	2,572	1,492	1,735	2,255	1,959
Reach 9	8,301	7,510	12,018	14,142	21,507	26,874	15,875	7,679	6,429	6,998	8,477	7,884
Reach 10	5,431	4,986	6,813	9,645	16,024	12,343	4,406	3,061	3,838	4,817	5,381	5,086
Reach 11	8,348	7,587	12,348	13,549	18,140	22,467	14,131	6,274	5,638	6,792	8,400	8,060
Reach 12	581	644	624	451	490	666	663	796	706	721	407	309

Results Options

Diversion Summary Worksheet

(DRY YEAR)

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 nea	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Node 1.01 Diversions	Lannon & Lone Mountain	1	0	0	0	0	886	1,010	554	115	85	0	0	0	2,650
Node 1.02 Diversions	Hilliard West Side	1	0	0	0	0	975	1,720	911	201	184	0	0	0	3,991
Node 1.03 Diversions	Bear Canal	1	0	0	0	0	2,071	3,456	1,886	551	384	0	0	0	8,348
Node 1.04 Diversions	Crown & Pine Grove	1	0	0	0	0	770	1,479	725	207	181	0	0	0	3,362
Node 1.05 Diversions	McGraw & Big Bend	1	0	0	0	0	1,044	1,105	422	200	107	0	0	0	2,879
Node 1.06 Diversions	Lewis	1	0	0	0	0	152	333	370	116	37	0	0	0	1,008
Node 1.07 Diversions	Meyers No. 2	1	0	0	0	0	90	277	373	184	121	0	0	0	1,045
Node 1.08 Diversions	Meyers No. 1	1	0	0	0	0	170	233	226	168	59	0	0	0	856
Node 1.09 Diversions	Meyers Irrigation	1	0	0	0	0	230	248	204	121	46	0	0	0	850
Node 1.10 Diversions	Evanston Pipeline	1	0	0	0	0	342	519	719	652	464	0	0	0	2,695
Node 1.11 Diversions	Booth	1	0	0	0	0	437	757	502	335	169	0	0	0	2,200
Node 1.12 Diversions	Anel	1	0	0	0	0	226	336	208	57	21	0	0	0	847
Node 1.13 Diversions	Evanston Water Supply	1	0	0	0	0	141	282	257	181	57	0	0	0	918
Node 1.15 Diversions	AggDiv BR-1	1	0	0	0	15	263	772	761	329	121	14	0	0	2,274

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	2	0	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	0
Node 2.02 Diversions	Sulphur Creek Reservoir	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Node 2.03 Diversions	AggDiv SC-2	2	0	0	0	44	757	2,230	2,192	949	351	41	0	0	6,564

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	3	0	0	0	0	0	0	0	0	0	0	0	0	0
Node 3.01 Diversions	Evanston Water Ditch	3	0	0	0	0	616	1,197	895	603	336	0	0	0	3,647
Node 3.02 Diversions	Rocky Mtn & Blyth	3	0	0	0	0	474	600	344	214	170	0	0	0	1,802
															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 Evar	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Node 4.01 Diversions	John Simms	4	0	0	0	0	627	616	428	298	193	0	0	0	2,163
Node 4.02 Diversions	S P Ramsey	4	0	0	0	0	635	747	311	227	116	0	0	0	2,037
Node 4.03 Diversions	AggDiv BR-2	4	0	0	0	21	372	1,091	1,073	465	171	21	0	0	3,214

Bear River Spreadsheet Model
Dry Year Conditions

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 R	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Node 5.01 Diversions	Chapman Canal	5	0	0	0	0	2,913	2,919	968	306	192	0	0	0	7,298
Node 5.02 Diversions	Morris Bros (Lower)	5	0	0	0	0	143	179	116	52	80	0	0	0	570
Node 5.03 Diversions	AggDiv BR-3	5	0	0	0	10	167	491	483	209	77	9	0	0	1,446
Node 5.04 Diversions	Tunnel	5	0	0	0	0	575	1,173	376	120	81	0	0	0	2,324
															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	0
Node 6.01 Diversions	Woodruff Narrows Reservoir	6	0	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	0
Node 7.01 Diversions	Francis Lee	7	0	0	0	0	1,923	2,797	555	168	97	0	0	0	5,540
Node 7.02 Diversions	Bear River Canal	7	0	0	0	0	2,922	3,797	752	134	100	0	0	0	7,706
Node 7.03 Diversions	Aggregate Utah Diversions	7	0	0	0	0	30,744	54,918	11,019	3,291	2,604	0	0	0	102,576

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	0
Node 8.01 Diversions	Pixley Dam	8	0	0	0	0	2,276	3,466	925	46	95	0	0	0	6,807
Node 8.02 Diversions	BQ Dam	8	0	0	0	0	3,325	7,815	1,625	77	22	0	0	0	12,864

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 Pix	9	0	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	0
Node 9.02 Diversions	AggDiv BR-4	9	0	0	0	0	447	2,012	1,920	871	270	13	0	0	5,533

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	10	0	0	0	0	0	0	0	0	0	0	0	0	0
Node 10.02 Diversions	Button Flat	10	0	0	0	0	44	160	162	50	0	0	0	0	417
Node 10.03 Diversions	Emelle	10	0	0	0	0	186	816	675	242	28	0	0	0	1,947
Node 10.04 Diversions	Cooper	10	0	0	0	0	335	462	284	114	0	0	0	0	1,195
Node 10.05 Diversions	Covey	10	0	0	0	0	2,878	3,745	2,327	973	423	0	0	0	10,346
Node 10.06 Diversions	VH Canal	10	0	0	0	0	314	569	484	435	172	0	0	0	1,973
Node 10.07 Diversions	Goodell	10	0	0	0	0	196	360	384	278	171	0	0	0	1,389
Node 10.08 Diversions	Whites Water	10	0	0	0	0	729	1,095	836	454	243	0	0	0	3,356
Node 10.09 Diversions	S Branch Irrigating	10	0	0	0	0	1,017	940	457	95	38	0	0	0	2,546
Node 10.10 Diversions	AggDiv SF-1	10	0	0	0	0	811	3,644	3,478	1,578	489	23	0	0	10,022

Bear River Spreadsheet Model
Dry 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	552	2,481	2,367	1,074	333	16	0	0	6,823
Node 11.02 Diversions	Alonzo F. Sights	11	0	0	0	0	400	746	524	234	27	0	0	0	1,931
Node 11.03 Diversions	Oscar E. Snyder	11	0	0	0	0	461	942	588	381	260	0	0	0	2,631
Node 11.04 Diversions	Cook Brothers	11	0	0	0	0	1,906	2,084	1,141	1,323	796	0	0	0	7,250

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	0
Node 12.02 Diversions	Aggregate Idaho Diversions	12	0	0	0	0	16,439	18,876	10,008	5,570	5,224	0	0	0	56,117
Node 12.03 Diversions	Rainbow Inlet	12	6,943	6,552	15,002	14,541	8,640	3,435	3,663	1,478	1,444	2,793	5,329	4,903	74,723
Node 12.04 Diversions	Stewart Dam	12	0	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	15	7,797	12,527	8,117	3,417	2,036	14	0	0	33,923
Reach 2	0	0	0	44	757	2,230	2,192	949	351	41	0	0	6,564
Reach 3	0	0	0	0	1,090	1,797	1,239	817	506	0	0	0	5,449
Reach 4	0	0	0	21	1,634	2,455	1,812	990	480	21	0	0	7,413
Reach 5	0	0	0	10	3,797	4,762	1,944	687	430	9	0	0	11,638
Reach 6	0	0	0	0	0	0	0	0	0	0	0	0	0
Reach 7	0	0	0	0	35,589	61,512	12,326	3,593	2,801	0	0	0	115,821
Reach 8	0	0	0	0	5,600	11,280	2,551	123	116	0	0	0	19,671
Reach 9	0	0	0	0	447	2,012	1,920	871	270	13	0	0	5,533
Reach 10	0	0	0	0	6,508	11,792	9,086	4,218	1,564	23	0	0	33,191
Reach 11	0	0	0	0	3,319	6,253	4,620	3,013	1,416	16	0	0	18,636
Reach 12	6,943	6,552	15,002	14,541	25,079	22,311	13,672	7,047	6,667	2,793	5,329	4,903	130,840

Bear River Spreadsheet Model
Dry Year Conditions

Comparison of Computed vs Historic Diversions

Node	Name	Historic	Estimated	Difference	% Diff
Node 1.01	Lannon & Lone Mountain	2,650	2,650	0	0.0
Node 1.02	Hilliard West Side	3,991	3,991	0	0.0
Node 1.03	Bear Canal	8,348	8,348	0	0.0
Node 1.04	Crown & Pine Grove	3,362	3,362	0	0.0
Node 1.05	McGraw & Big Bend	2,879	2,879	0	0.0
Node 1.06	Lewis	1,008	1,008	0	0.0
Node 1.07	Meyers No. 2	1,045	1,045	0	0.0
Node 1.08	Meyers No. 1	856	856	0	0.0
Node 1.09	Meyers Irrigation	850	850	0	0.0
Node 1.10	Evanston Pipeline	2,695	2,695	0	0.0
Node 1.11	Booth	2,200	2,200	0	0.0
Node 1.12	Anel	847	847	0	0.0
Node 1.13	Evanston Water Supply	918	918	0	0.0
Node 1.15	AggDiv BR-1	2,274	2,274	0	0.0
Node 2.03	AggDiv SC-2	6,564	6,564	0	0.0
Node 3.01	Evanston Water Ditch	3,647	3,647	0	0.0
Node 3.02	Rocky Mtn & Blyth	1,802	1,802	0	0.0
Node 4.01	John Simms	2,163	2,163	0	0.0
Node 4.02	S P Ramsey	2,037	2,037	0	0.0
Node 4.03	AggDiv BR-2	3,214	3,214	0	0.0
Node 5.01	Chapman Canal	7,298	7,298	0	0.0
Node 5.02	Morris Bros (Lower)	570	570	0	0.0
Node 5.03	AggDiv BR-3	1,446	1,446	0	0.0
Node 5.04	Tunnel	2,324	2,324	0	0.0
Node 7.01	Francis Lee	5,540	5,540	0	0.0
Node 7.02	Bear River Canal	7,706	7,706	0	0.0
Node 7.03	Aggregate Utah Diversions	102,576	102,576	0	0.0
Node 8.02	BQ Dam	12,864	12,864	0	0.0
Node 9.02	AggDiv BR-4	5,533	5,533	0	0.0
Node 10.02	Button Flat	417	417	0	0.0
Node 10.03	Emelle	1,947	1,947	0	0.0
Node 10.04	Cooper	1,195	1,195	0	0.0
Node 10.05	Covey	10,346	10,346	0	0.0
Node 10.06	VH Canal	1,973	1,973	0	0.0
Node 10.07	Goodell	1,389	1,389	0	0.0
Node 10.08	Whites Water	3,356	3,356	0	0.0
Node 10.09	S Branch Irrigating	2,546	2,546	0	0.0
Node 10.10	AggDiv SF-1	10,022	10,022	0	0.0
Node 11.01	AggDiv BR-5	6,823	6,823	0	0.0
Node 11.02	Alonzo F. Sights	1,931	1,931	0	0.0
Node 11.03	Oscar E. Snyder	2,631	2,631	0	0.0
Node 11.04	Cook Brothers	7,250	7,250	0	0.0
Node 12.02	Aggregate Idaho Diversions	56,117	56,117	0	0.0
Node 12.03	Rainbow Inlet	74,723	74,723	0	0.0

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | Compact Allocation: Central Division | Results Options

Dry Year
Bear River Commission Water Allocation
Upper Division

May	Jun	Jul	Aug	Sep	
343	758	384	207	52	Upper Utah Section Diversion (1)
15,076	23,770	15,305	6,860	3,803	Upper Wyoming Section Diversion
(1,382)	(21,017)	(4,351)	(1,146)	(646)	Woodruff Narrows Reservoir Change in Storage Water
35,589	61,512	12,326	3,593	2,801	Lower Utah Section Diversions
5,600	11,280	2,551	123	116	Lower Wyoming Section Diversions
1,693	7,601	6,842	2,572	1,492	Bear River Below Pixley Dam
56,919	83,905	33,057	12,208	7,619	**Total Upper Division Divertible Flow (ac-ft)**
926	1,410	538	199	128	**(cfs)**

Is Total Upper Division Divertible Flow less than 1250 cfs?If so, Water Emergency (**W.E.**) exists.

	No W.E.				
W.E.		**W.E.**	**W.E.**	**W.E.**	
342		198	73	46	Upper Utah Section Allocation
28,061		16,297	6,018	3,756	Upper Wyoming Allocation
23,052		13,388	4,944	3,086	Lower Utah Section Allocation
5,464		3,173	1,172	731	Lower Wyoming Section Allocation

NOTE: (1) Upper Utah Division is not modeled explicitly in this model. Diversion data are included here for computation of Compact allocations.

Bear River Spreadsheet Model
Dry Year Conditions

Return to Start | Compact Allocation: Upper Division | Results Options

Dry Year
Bear River Commission Water Allocation
Central Division

May	Jun	Jul	Aug	Sep	
10,274	20,056	15,626	8,101	3,250	(1) Wyoming Diversions
+	+	+	+	+	
16,439	18,876	10,008	5,570	5,224	(2) Idaho Diversions
+	+	+	+	+	
9,130	4,101	4,327	2,274	2,149	(3) Rainbow Inlet Canal plus Bear River Main Stem Flow below Stewart Dam
=	=	=	=	=	
35,843	43,034	29,962	15,945	10,623	Total Central Division Divertible Flow (ac-ft)
583	723	487	268	179	(cfs)
W.E.	**W.E.**	**W.E.**	**W.E.**	**W.E.**	

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

OR

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

18,140	22,467	14,131	6,274	5,638	Flow of Bear River at Border Gaging Station (ac-ft)
305	378	230	105	95	(cfs)
W.E.		**W.E.**	**W.E.**	**W.E.**	
15,413	18,504	12,883	6,856	4,568	Allocation in the State of Wyoming
20,431	24,529	17,078	9,089	6,055	Allocation in the State of Idaho