

Water Year 2004

Stream System	Date of Call	Calling Party
Beaver Creek	7/15/2004	Yellowstone Ranches Inc.
Middle Fork Popo Agie River	8/10/2004	Cemetery Ditch
Owl Creek	4/1/2004	Owl Ck. Irr. Dist.
Shell Creek	7/22/2004	Porter Ditch
Dry Creek	5/4/2004	Lincoln Land Ditch
Greybull River (lower division)	4/8/2004	Wood-Burnett Ditch
Green Creek	4/27/2004	Green Creek Ditch
Jim Creek	4/7/2004	Nichols Ditch
Line Creek	4/20/2004	Badura Ditch
Bennett/Little Rocky Creeks	4/14/2004	Berry Ditch
Gooseberry Creek	3/25/2004	Holland Ditch
Cottonwood Creek	4/1/2004	Brassington Ditch
Greybull River (upper division)	*See dist. 8	

Water Year 2004

◆ Weekly Accounting

- Shoshone River Accounting, Dist.
 - ◆ Buffalo Bill Reservoir Downstream
 - ◆ Requires only 8 inputs to track the various accounts

◆ Daily Accounting

- Wind River system
 - ◆ Bull Lake and Diversion Dam Downstream to Worland
 - ◆ Much more complicated

September 19, 2004

BUFFALO BILL RESERVOIR ACCOUNTING

						PMT2111		DAM TO WILL
						HTM-139		15%
	Content	Area		Evaporation Factor (Ft):		G-513		55%
	(AF)	(Acres)		Reservoir Evaporation (AF):	4	D-209		22%
Buffalo Bill Reservoir Total	444416			Municipal Pipeline (cfs):	4	W-74		8%
				Outflow to River-QRIVS-(cfs)	645	TOTAL-935		100%
North Fork Shoshone (cfs):				River Passing Willwood (cfs):			AF	CFS
South Fork Shoshone (cfs):							1252	631
Measured Inflow (cfs):	0			Required Bypass at Willwood (cfs):				
				Accrual BB to Willwood (cfs):	199			

	Heart Mtn.	Garland	Deaver	Willwood	Total	RIGHT	AMOUNT	DIRECT FLOW	REMAINING
	Canal	Canal	Canal	Canal	Canals		CFS	CFS	CFS
Canal Readings (cfs)	460	377	250	217	1304	HTM 2111	139	139	492
2111 D.F. res. inflow (cfs)	139	250	157	54	600	G 2111	513	250	242
2111 D.F. below res. (cfs)	---	127	52	20	199	D 2111	209	157	85
Enl. Direct Flow (cfs)	31		0	0	31	W 2111	74	54	31
Total D.F. Diversion (AF)	337	748	414	147	1646	HTM 1189E	185	31	0
Storage Diversion (AF)	575	0	82	284	941	W 1191E	87		0
Cumulative D.F. Div. (AF)	104331	153218	67094	50682	375324	D 10138	79		0
Cumulative Storage Div. (AF)	90908	22199	14564	51003	178674	HM 6099E	49		0
Cumulative Total Div. (AF)	195238	175417	81658	101686	553999	HM 2111 (2ND)	139		0
						G 2111 (2ND)	513		0
						D 2111 (2ND)	209		0
						W 2111 (2ND)	74		0
						HM 1189(2ND)	185		0
Computed Inflow (AF):	1252		Storable Inflow (AF):	0		W 1191E(2ND)	87		0
Measured Inflow (AF):	0					D 10138 (2ND)	79		0
Reservoir Balance (AF):	1252	[computed minus measured inflow]				HM 6099(2ND)	49		0
						HTM 6425E	7		0
						W 6579E	1		0
						HM 6425(2ND)	7		0
						W 6579(2ND)	1		0

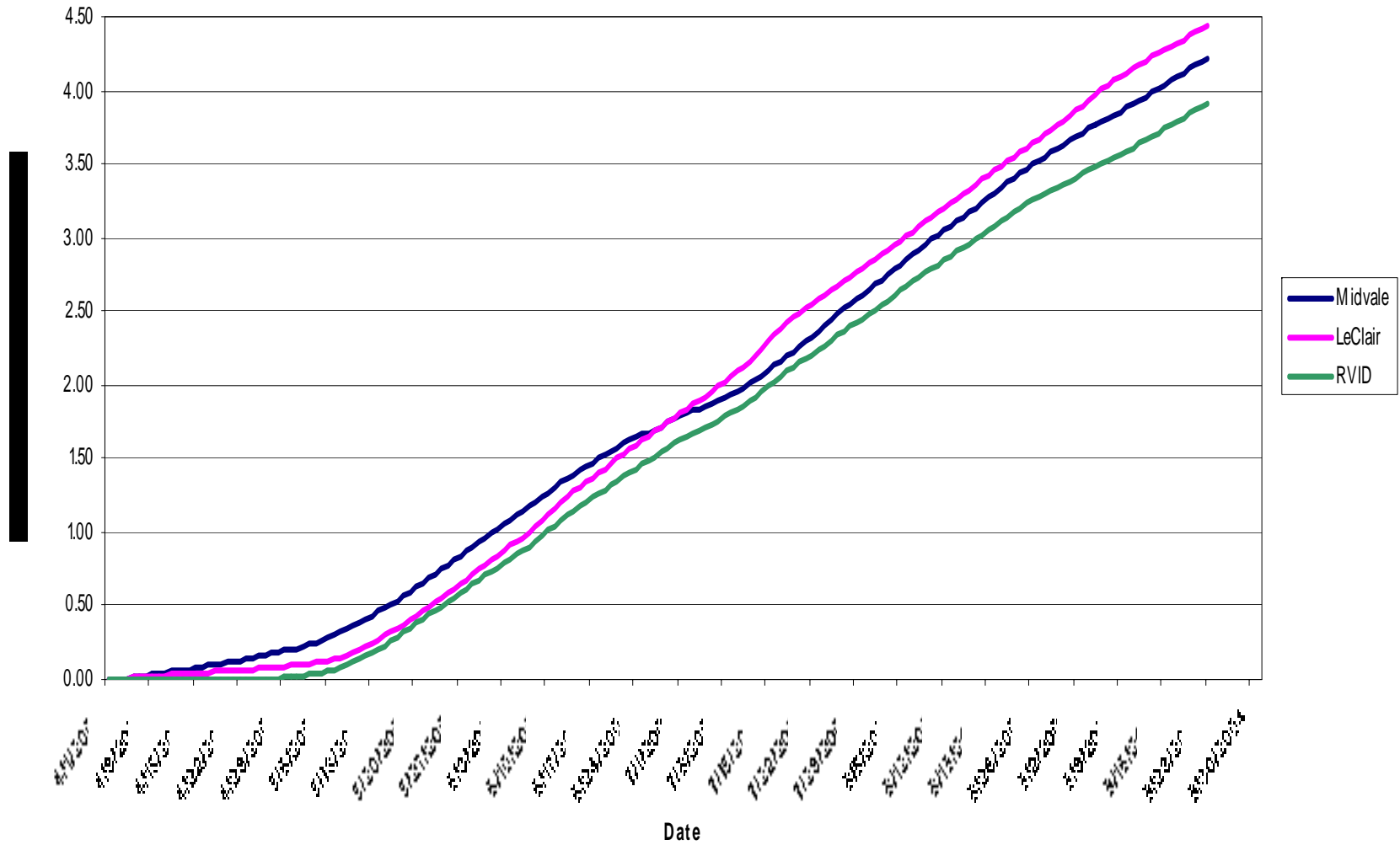
	A C C O U N T S				Total	Total
	Shoshone	Polecat	Private	State	Accounts	Reservoir
Storage Brought Forward (AF)	155983	67710	14075	165851	403619	445367
Reservoir Balance (AF)					0	
Daily Storage Release (AF)	939		8		947	
Daily Storage Evap. (AF)	2	1	0	2	4	
Inflow Distribution (%)	1.000	0.000	0.000	0.000	1.000	
Daily Storage Accrual (AF)	0	0	0	0	0	
Fill Allowed (AF)	132796	2519	2044	2718	140077	
Stored To Date (AF)	50499	2519	2044	2718	57780	
Fill Remaining (AF)	82297	0	0	0	82297	
Storage Carried Forward (AF)	155043	67710	14067	165849	402668	444416

Wind River Accounting

- ◆ 5 MS Excel Spreadsheets
 - Between 15 and 44 Columns of Data in each
- ◆ 2 Graphic charts
- ◆ 20 – 30 different colors of water to track daily.

Wind River


Usage to Date



Wind River Issues

- ◆ Moving of Gages-
- ◆ March 4 Order -
 - Equal Seasonal Access to Water
 - Exchange Water availability
 - Bull Lake fill
 - Pilot Butte fill
- ◆ October 13 wrap up meeting

Coal Bed Methane

- ◆ Received first reservoir permit to store CBM water.
 - ◆ 8 well project about 4 miles east of Hudson
 - ◆ Wolverine Gas & Oil Co. operator
 - ◆ Spudded the first well Sept 14
 - ◆ About 4000' deep to Mesaverde Coal in this area.
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Greybull River Leveling

- ◆ Working well
- ◆ Now using 2 day holdover
- ◆ One glitch this season-
 - Primarily based on communications problems
 - Now better data at Sheets Flat gage
- ◆ Rain events between Meeteetse gage and Roach
- ◆ Better correlation between Upper end & Lower end as far as regulation.

GVID Leveling

Water Rights Good For September 23, 2004

Water Right Date	CFS for Right	% of Right
Territorial	94	100.00%
1891	1	100.00%
1892	9	100.00%
1893	56	56.19%
1894	0	0.00%
1895	0	0.00%
1896	0	0.00%
1897	0	0.00%
1898 AND LATER	0	0.00%

Water Rights Good For September 24, 2004

Water Right Date	CFS for Right	% of Right
Territorial	94	100.00%
1891	1	100.00%
1892	9	100.00%
1893	45	47.24%
1894	0	0.00%
1895	0	0.00%
1896	0	0.00%
1897	0	0.00%
1898 AND LATER	0	0.00%

Other Tools

- ◆ Web accessible Stream Gaging data
 - Real Time Data
 - ◆ Little Popo Agie
 - ◆ Greybull River at Meeteetse
 - ◆ Shell Creek near Shell, WY
 - ◆ Big Horn River At Worland
 - Moved this station

General Adjudication

- ◆ Phase I – Non Federal Reserved Rights - 1868's
 - Complete
- ◆ Phase II – Federal Reserved Rights
 - Filings all in- deadline was last spring
 - Developing Final Decree language
- ◆ Phase III – State Rights
 - Last inspections being completed
 - Access to BIA allotment records
 - Continuing to meet to draft Final Decree

Proof Inspections

- ◆ Approximately 600 inspections
 - Probably 195 additional inspections under Phase II expansions coming out this winter.
- ◆ Full time field inspector
- ◆ Staff training -

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