Wood River Valley streamflow measurements for gaining and losing reaches

Jim Bartolino
U.S. Geological Survey
Idaho Water Science Center
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These slides were presented at the Wood River Valley Modeling Technical Advisory Committee meeting Thursday, 01Aug2013, 10am-4pm at the Community Campus, Rm 200, in Hailey. Taken outside the context of the original presentation, these slides may not provide a complete or accurate representation of the speaker's intent.

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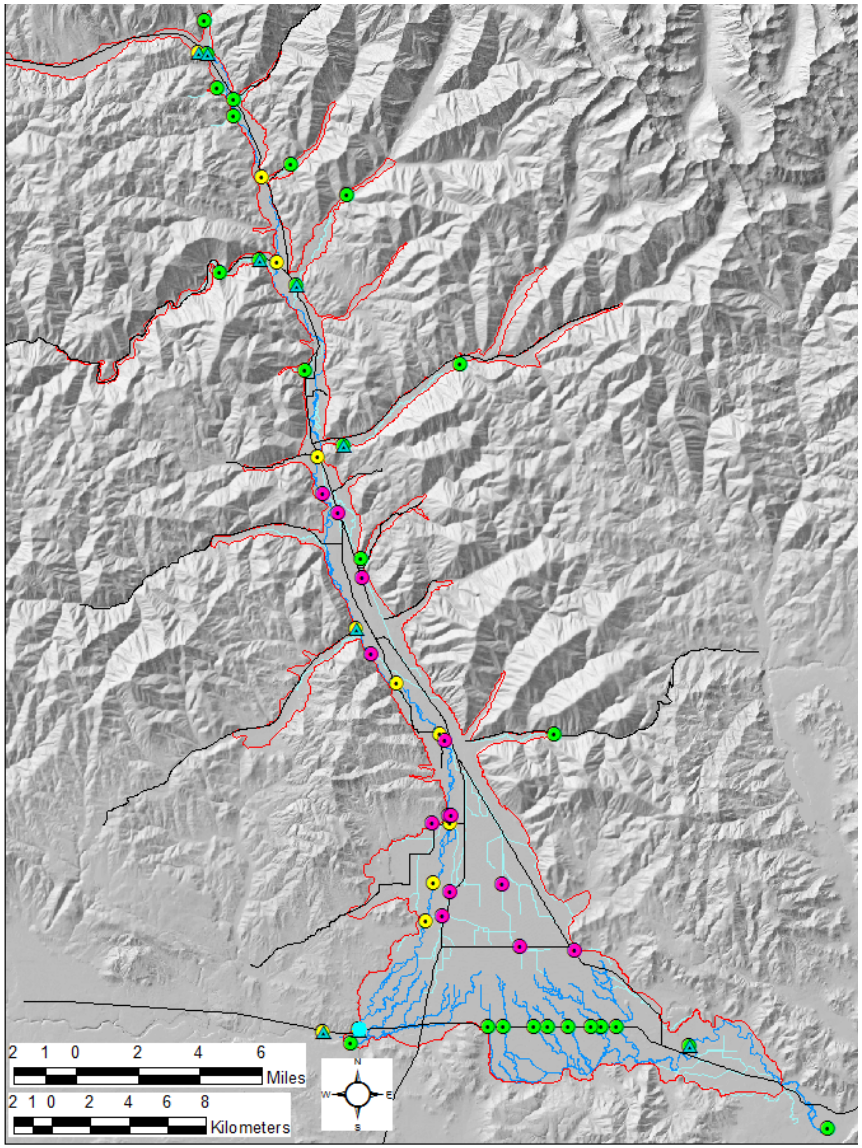
Streamflow gain/loss measurements: Aug 2012, Oct 2012, Mar 2013

- Three gain/loss measurements
  - August 2012
  - October 2012
  - March 2013
- Measurements sites:
  - Big Wood River (13)
  - Silver Creek (2)
  - Tributaries (24)
  - Canals (13)
- Some sites were dry



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Streamflow gain/loss measurements: Data example

Name	Station Name	Station ID	Date	Mean mainstem discharge (ft^3/s)	Mean discharge from tributary (+) or diversion withdrawal (-) (ft^3/s)	Estimated measurement uncertainty (percentage)	Estimated measurement uncertainty (±) (ft^3/s)	Estimated streamflow gain (+) or loss (-) attributed to groundwater and associated measurement uncertainty (ft^3/s)	Estimated measurement uncertainty (±) (ft^3/s)
BWR 1	BIG WOOD RIVER NEAR KETCHUM	13135500	3/27/13	54.5		4.3	2.34		
Trib 13	NF BIG WOOD RIVER NR SAWTOOTH NRA HQ NR KETCHUM, ID	13135520	3/27/13		15.2	5.3	0.81		
Trib 17	CHOCOLATE GULCH CREEK NR KETCHUM, ID	434611114244600	3/27/13		0.0	0.0	0.00		
Trib 1	EAGLE CREEK AT US HWY 75 NR KETCHUM, ID	13135600	3/27/13		0.42	8.4	0.04		
Trib 18	FOX CREEK AT MOUTH NR KETCHUM, ID	13135700	3/27/13		3.06	3.4	0.10		
BWR 2	BIG WOOD RIVER AT HULEN ROAD BRIDGE NR KETCHUM, ID	13135840	3/27/13	94.5		3.5	3.31	21.3	4.13
BWR 3	BIG WOOD RIVER AT KETCHUM, ID	13136000	3/27/13	91.2		3.6	3.28	-3.30	4.66
Trib 4	WARM SPRINGS CREEK NEAR KETCHUM, ID	13137000	3/27/13		42.9	2.4	1.03		
Trib 6	TRAIL CREEK AT KETCHUM, ID	13137500	3/27/13		12.3	3.7	0.46		
Trib 9	CLEAR CREEK AT US HWY 75 NR KETCHUM, ID	433817114211800	3/27/13		0.86	10.3	0.09		
Trib 8	EAST FORK BIG WOOD RIVER AT GIMLET, ID	13138000	3/27/13		13.1	2.7	0.35		
BWR 4	BIG WOOD RIVER AT GIMLET, ID	13138500	3/27/13	172		2.0	3.44	11.64	4.90

27-28Mar2013

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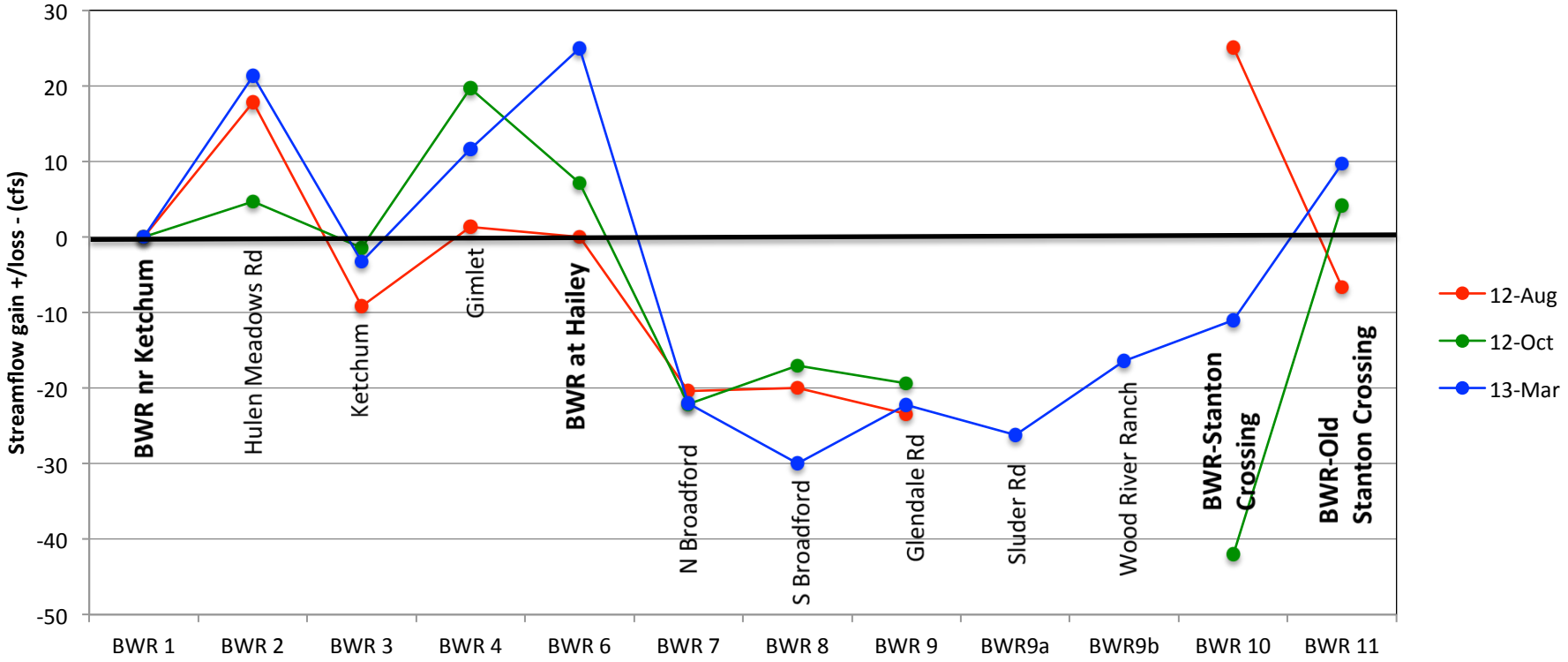
Streamflow gain/loss measurements: Big Wood River reaches



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