



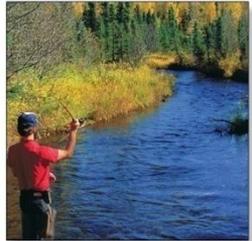
Additional Stream Gaging on Silver Creek

Presented by Allan Wylie, IDWR

Date December 4, 2014

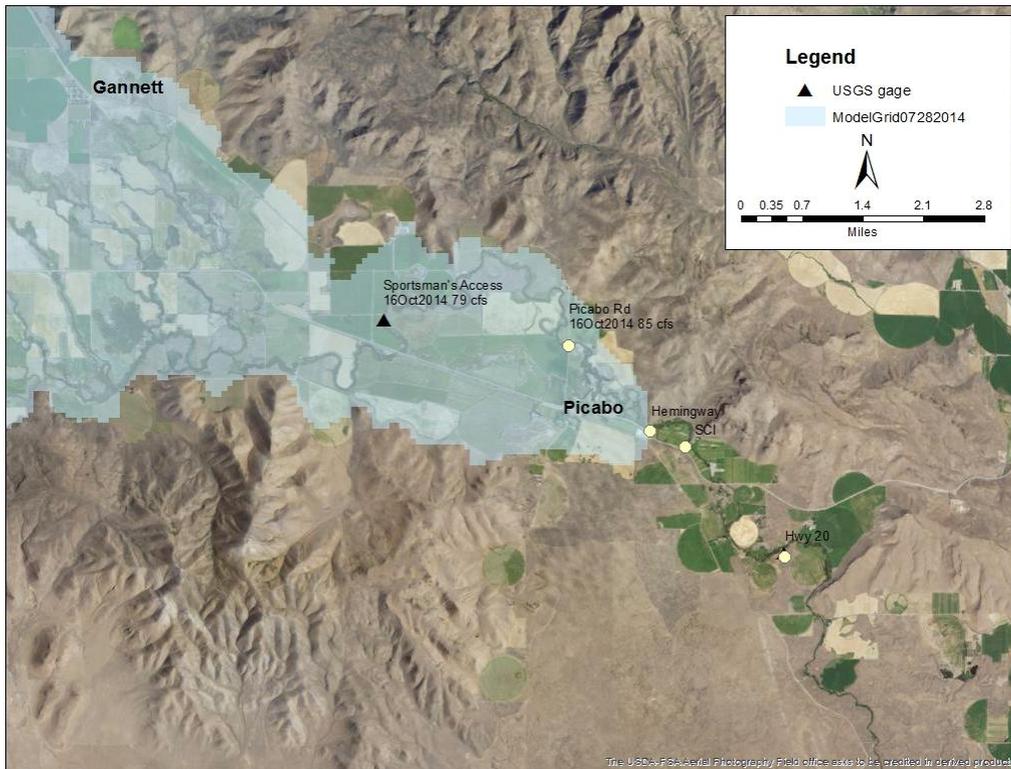


Outline



- Geography looks like Silver Cr could gain between Sportsman's Access and model boundary
- Collected measurement 16 Oct 2014
 - Observed gain within measurement error
- Water levels in regional aquifer 50+ ft below land surface
- Recommend collecting spring and fall hand measurements

Stream Gages Near Model Boundary



- Sportsman's access
 - Black triangle ▲
- Potential spot measurement sites
 - Yellow circles ●
- Site measured
 - Picabo Rd

Station Number:		Meas. No: 0															
Station Name: silver creek		Date: 10/16/2014															
Party:	Width: 33.7 ft	Processed by:															
Boat/Motor:	Area: 118 ft ²	Mean Velocity: 0.718 ft/s															
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 84.6 ft ³ /s															
Area Method: Avg. Course	ADCP Depth: 0.200 ft	Index Vel.: 0.00 ft/s	Rating No.: 1														
Nav. Method: Bottom Track	Shore Ens.:10	Adj.Mean Vel: 0.00 ft/s	Qm Rating: U														
MagVar Method: None (0.0°)	Bottom Est: Power (0.1667)	Rated Area: 0.000 ft ²	Diff.: 0.000%														
Depth Sounder: Not Used	Top Est: Power (0.1667)	Control1: Unspecified															
Discharge Method: None		Control2: Unspecified															
% Correction: 0.00		Control3: Unspecified															
Screening Thresholds:		ADCP:															
BT 3-Beam Solution: YES	Max. Vel.: 2.84 ft/s	Type/Freq.: StreamPro / 2000 kHz															
WT 3-Beam Solution: YES	Max. Depth: 5.36 ft	Serial #: 432	Firmware: 31.13														
BT Error Vel.: 0.33 ft/s	Mean Depth: 3.50 ft	Bin Size: 6 cm	Blank: 50 cm														
WT Error Vel.: 1.15 ft/s	% Meas.: 66.50	BT Mode: 0	BT Pings: 1														
BT Up Vel.: 1.00 ft/s	Water Temp.: None	WT Mode: 12	WT Pings: 6														
WT Up Vel.: 1.64 ft/s	ADCP Temp.: 46.8 °F																
Use Weighted Mean Depth: YES																	
Performed Diag. Test: NO		Project Name: silver creek_0.mmt															
Performed Moving Bed Test: NO		Software: 2.11															
Performed Compass Calibration: NO Evaluation: NO																	
Meas. Location:																	
Tr.#	Edge Distance		#Ens.	Discharge						Width	Area	Time		Mean Vel.		% Bad	
	L	R		Top	Middle	Bottom	Left	Right	Total			Start	End	Boat	Water	Ens.	Bins
000	R	3	83	11.8	57.9	15.5	0.388	0.812	86.4	34	118	11:03	11:04	0.39	0.73	5	3
001	L	3	70	13.5	62.5	17.7	-0.353	0.590	89.9	33	117	11:05	11:06	0.43	0.80	16	2
002	R	3	58	11.0	54.8	14.0	0.283	1.06	81.2	33	116	11:06	11:07	0.49	0.70	3	3
003	L	3	61	9.86	50.6	13.0	-0.459	0.590	73.6	33	115	11:07	11:09	0.48	0.64	5	2
004	R	3	66	11.8	58.9	16.1	0.353	1.52	88.8	33	117	11:09	11:10	0.44	0.76	6	3
005	L	3	59	11.5	55.4	15.7	-0.283	0.459	82.8	33	120	11:10	11:11	0.50	0.69	5	2
006	R	3	54	13.7	63.4	19.7	0.590	1.20	98.5	37	130	11:11	11:12	0.61	0.76	13	4
007	L	3	74	11.2	53.0	15.9	-0.283	1.09	80.9	34	117	11:12	11:14	0.41	0.69	22	3
008	R	3	58	10.3	51.3	14.1	0.283	1.09	77.2	33	116	11:14	11:15	0.49	0.67	0	2
009	L	3	57	10.9	55.8	15.6	-0.353	1.13	83.0	33	115	11:15	11:16	0.48	0.73	11	2
Mean	2	3	64	11.6	56.4	15.7	0.011	0.943	84.6	34	118	Total	00:13	0.47	0.72	9	3
SDev	0	0	9	1.23	4.33	1.92	0.385	0.347	7.52	1.2	4.4			0.06	0.05		
SD/M	0.00	0.00	0.14	0.11	0.08	0.12	36.35	0.37	0.09	0.03	0.04			0.13	0.07		
Remarks:																	
Discharge for transects in <i>italics</i> have a total Q more than 5% from the mean																	



End