

WRWC Model Run

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Wood River Model Summary

The WRWC Modeling Suite predicts spring air temperatures, total summer runoff volumes, “center of mass”, and timing of delivery calls in the Big Wood River Basin, Camas Creek and Silver Creek (Table 1, Figure 1).

Data Inputs

Table 1: USGS Sites

	station_nm	huc_cd	begin_date	end_date	abv
1	BIG WOOD RIVER AT HAILEY ID TOTAL FLOW	17040219	2006-10-01	2021-01-07	bwb
2	BIG WOOD RIVER AT STANTON CROSSING NR BELLEVUE ID	17040219	1996-09-18	2021-01-07	bws
3	CAMAS CREEK NR BLAINE ID	17040220	1987-08-17	2021-01-07	cc
5	SILVER CREEK AT SPORTSMAN ACCESS NR PICABO ID	17040221	1987-08-18	2021-01-07	sc

Table 2: Snotel Sites

start	end	site_name	huc8	abv
1992-10-01	2021-01-07	chocolate gulch	219	cg.swe
1979-10-01	2021-01-07	galena	219	g.swe
1978-10-01	2021-01-07	galena summit	219	gs.swe
1979-10-01	2021-01-07	hyndman	219	hc.swe
1979-10-01	2021-01-07	lost-wood divide	219	lwd.swe
1979-10-01	2021-01-07	dollarhide summit	219	ds.swe
1991-10-01	2021-01-07	camas creek divide	220	ccd.swe
1985-10-01	2021-01-07	soldier r.s.	220	sr.swe
1979-10-01	2021-01-07	garfield r.s.	221	ga.swe
1978-10-01	2021-01-07	swede peak	221	sp.swe

Data Summary

e.g. timeseries of streamflow from all gages

Data summary from Snotel Sites in the Big Wood

Model Output, by sub-basin

streamflow volume model output

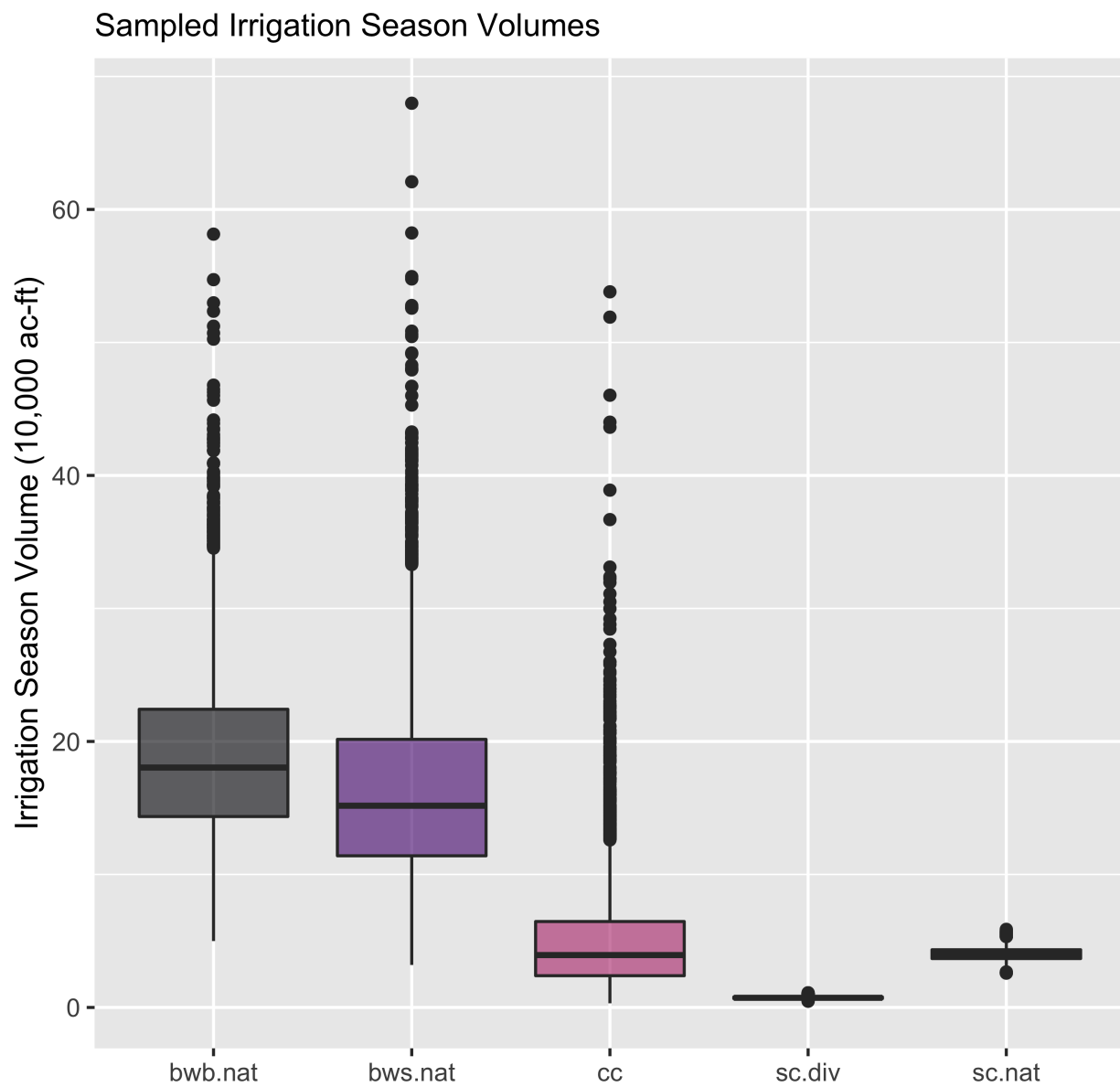


Figure 1: Simulated volumes

Big Wood Natural Streamflow at Hailey

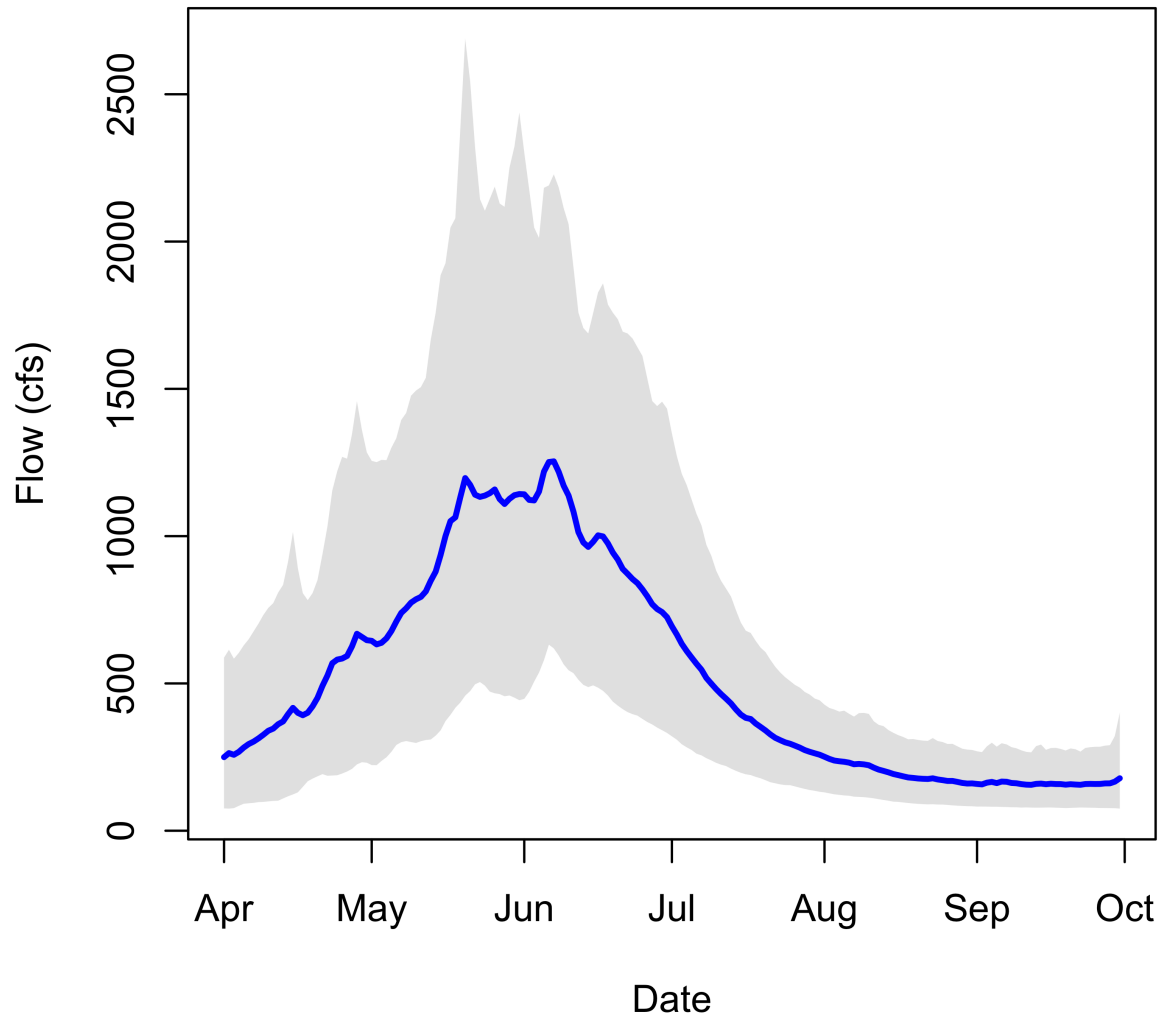


Figure 2: Simulated volumes

Big Wood Streamflow at Stanton Crossing

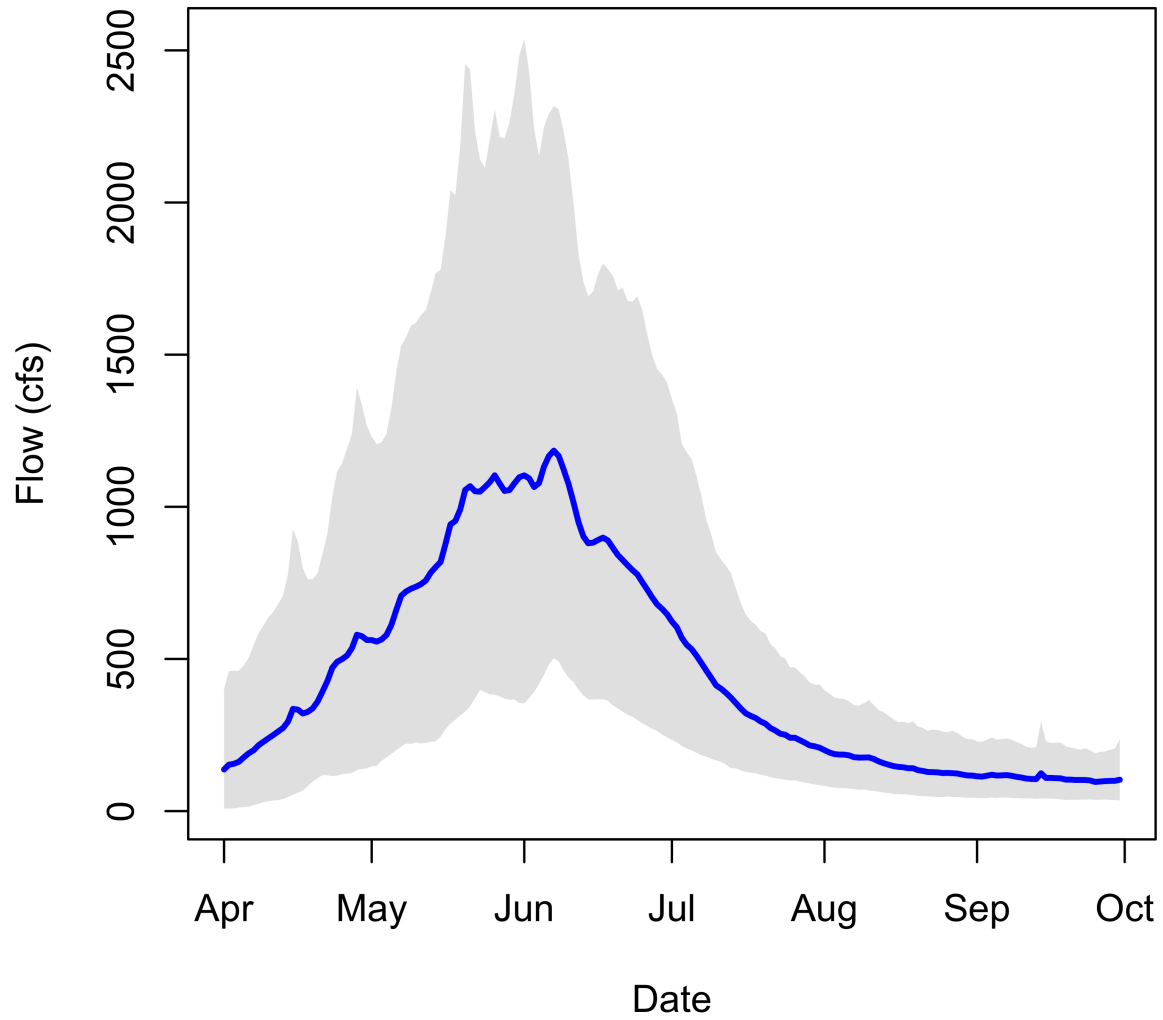


Figure 3: Simulated volumes

Silver Creek Natural Streamflow Simulation

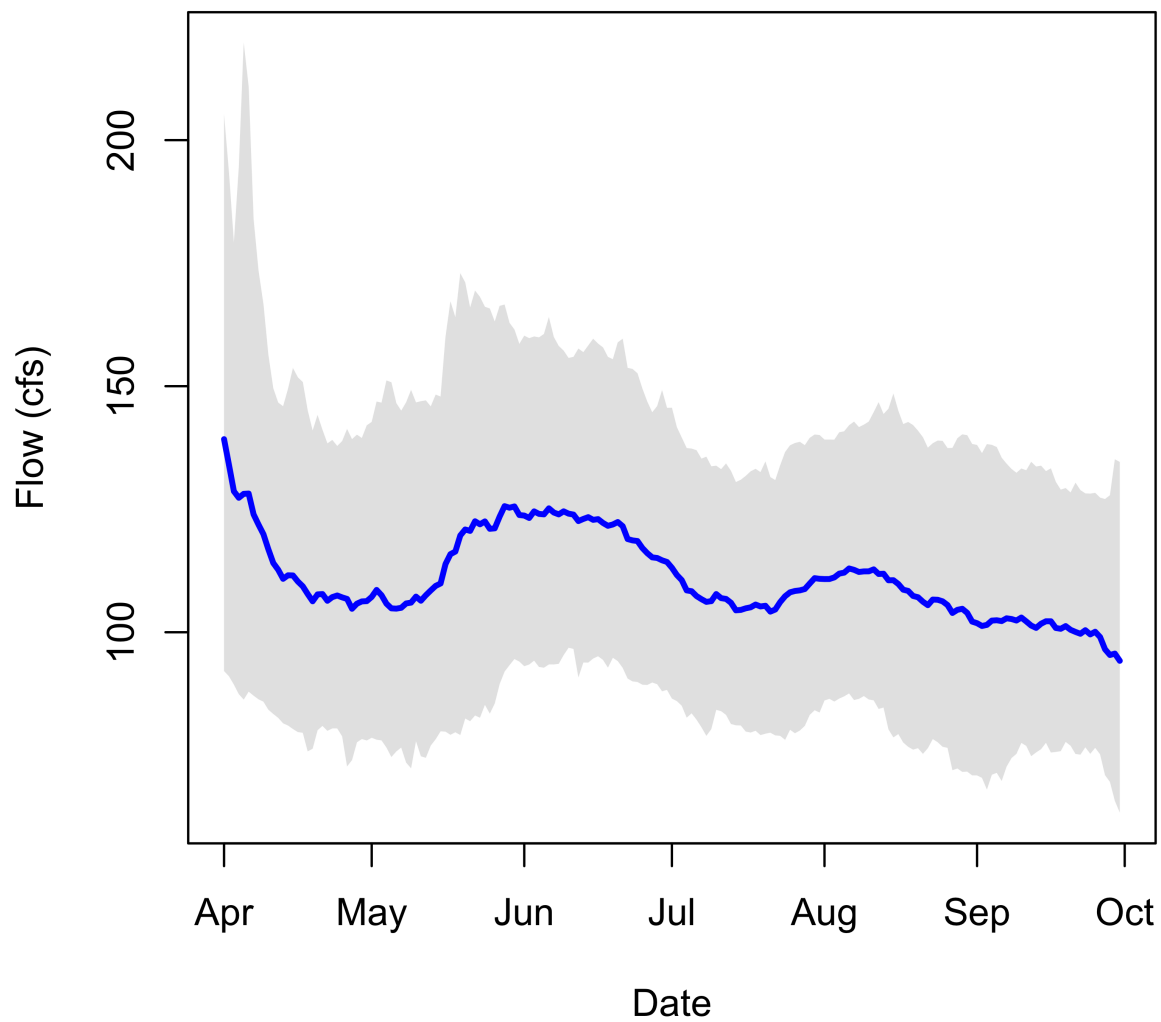


Figure 4: Simulated volumes

Camas Creek Streamflow Simulation

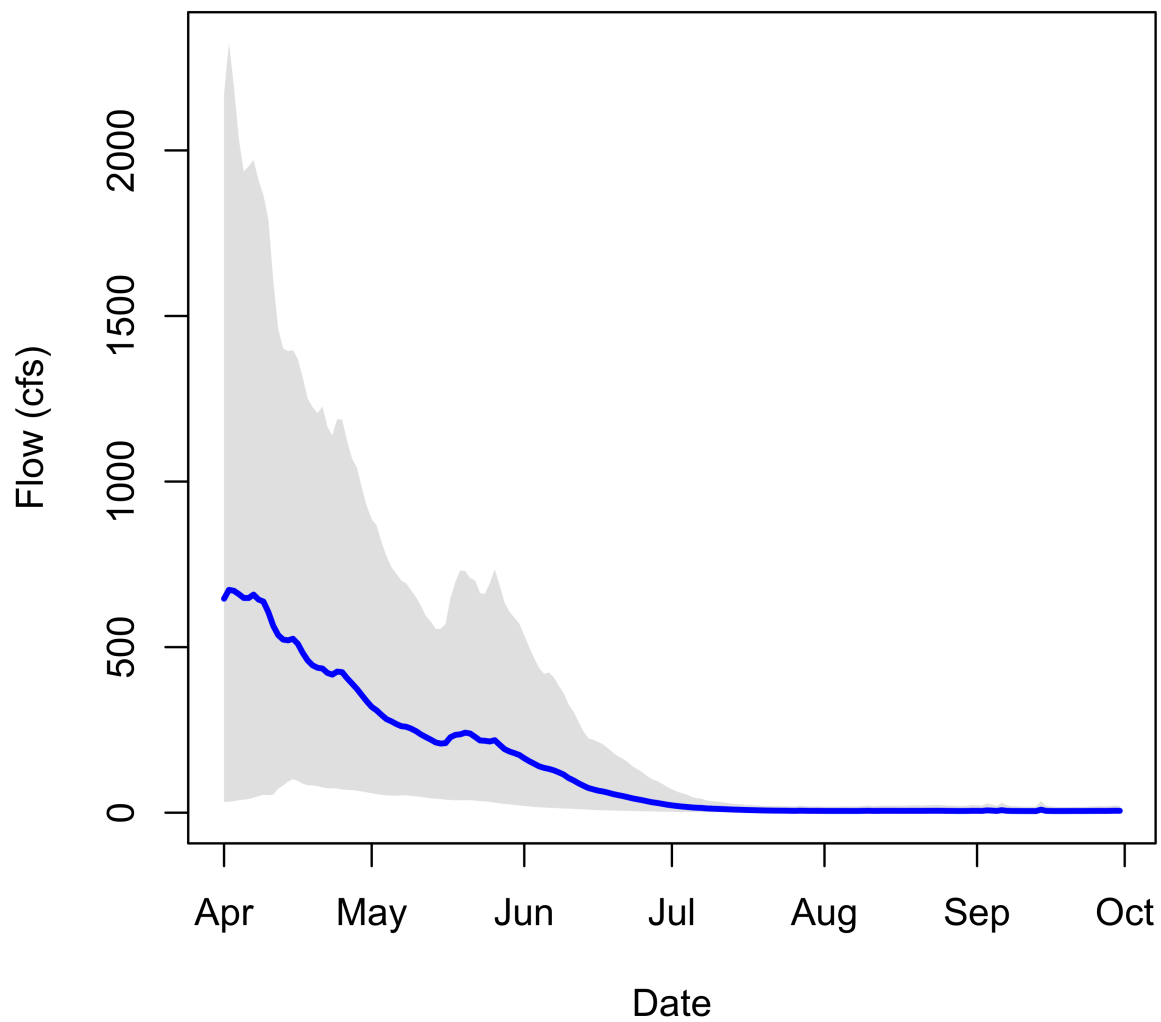


Figure 5: Simulated volumes

curtailment date model output