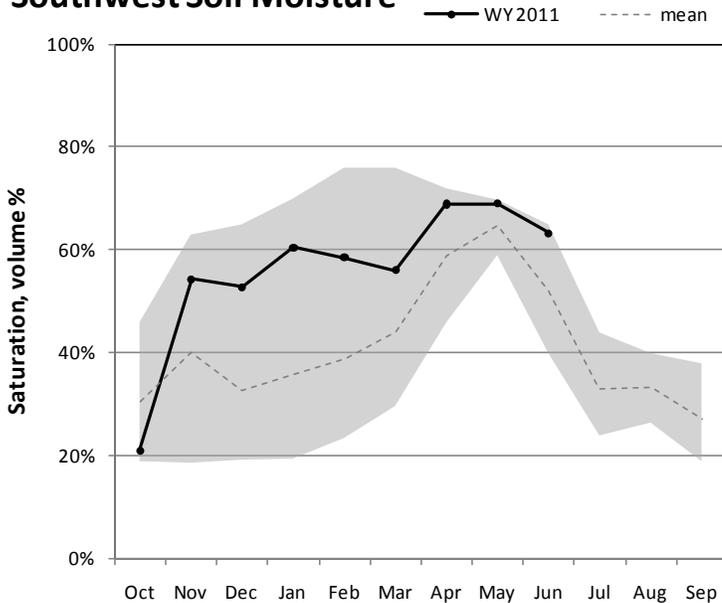


E. Garfield, Kane, Washington, & Iron Co. June 1, 2011

Snowpacks in this region are much above normal at 400% of average, which is 260% of last year. Although most sites have melted off, Kolob and Midway Valley Snotel sites are holding significant snow packs. May precipitation was much above average at 178%, bringing the seasonal accumulation (Oct-May) to 175% of average. The average soil moisture estimate in runoff producing areas is at 63% of saturation within the upper 2 feet of soil, compared to 60% last year. Forecast streamflows (June–July) range from 200% to 277% of average. Reservoir storage is at 89% of capacity, 19% higher than last year at this time. The Surface Water Supply Index is at 85%, indicating much above average water supply conditions.

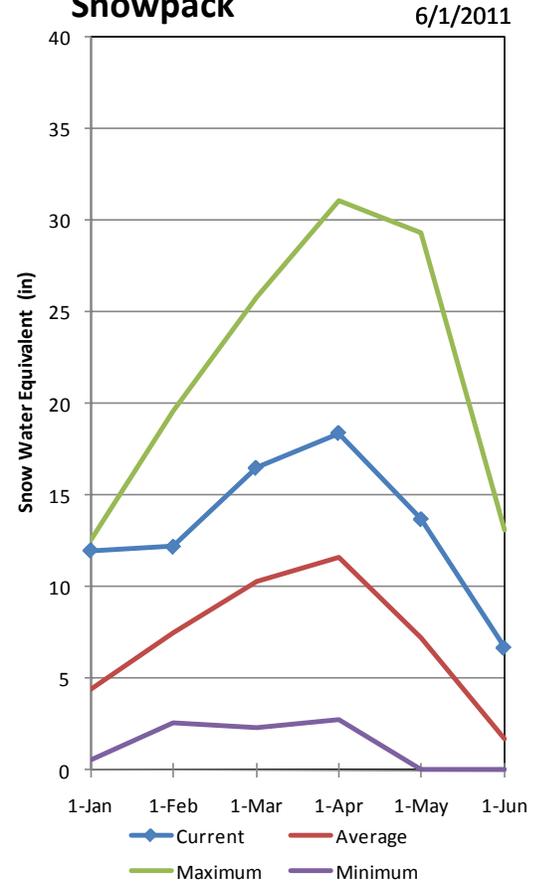
Southwest Soil Moisture



Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content. The gray area represents the range in saturation values since 2005.

Southwest Utah

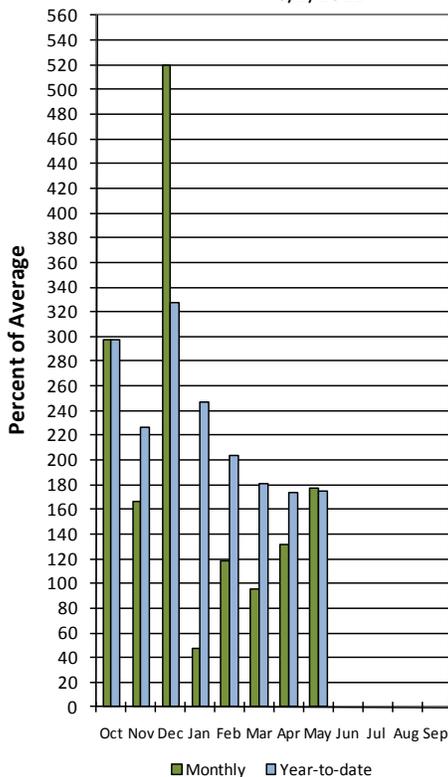
Snowpack



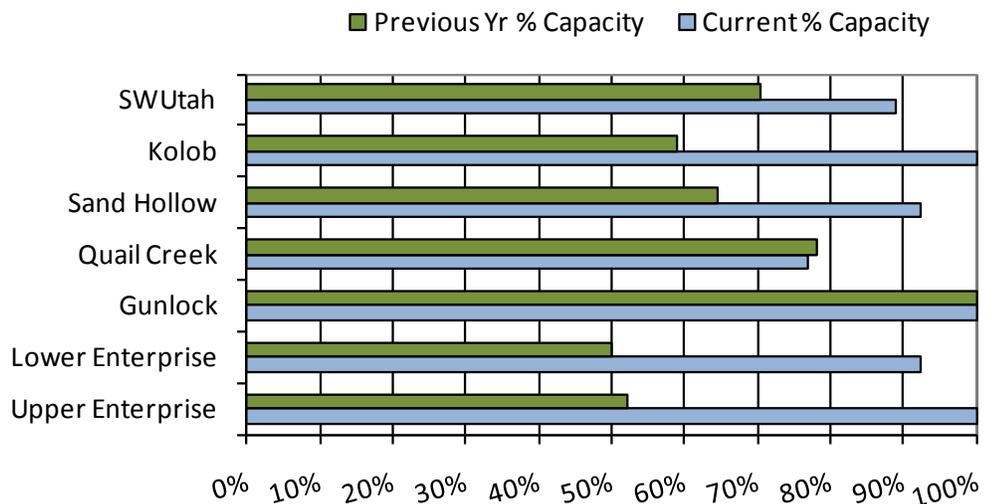
Southwest Utah

Precipitation

6/1/2011

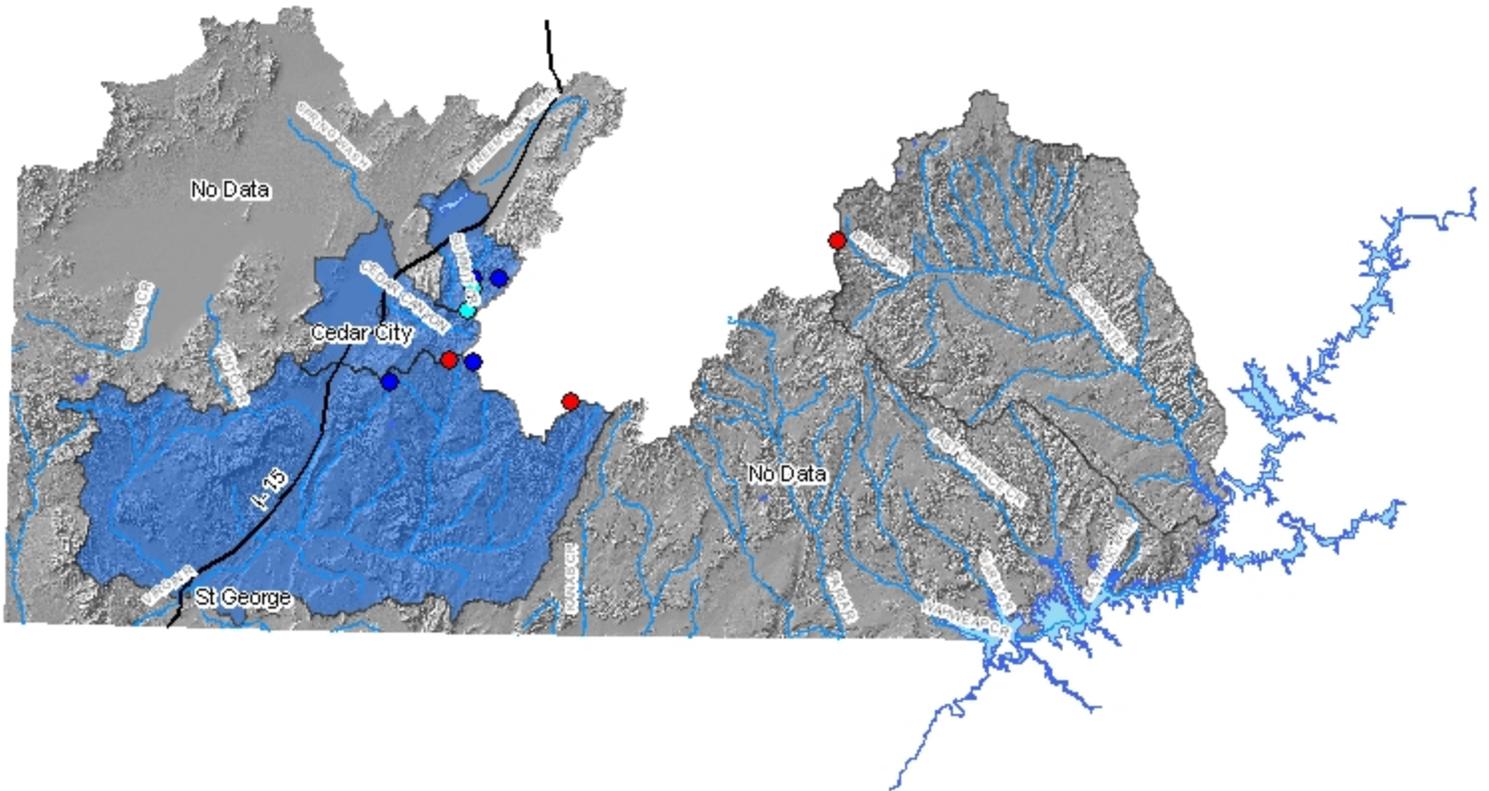
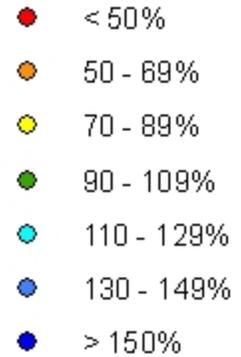
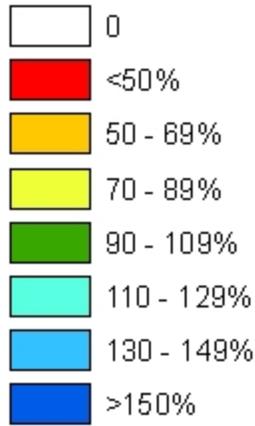


June Southwest Utah Reservoir Storage



E. Garfield, Kane, Washington & Iron County

Watershed % of Average Snotel % of Average



Basin Average
390%

Provisional Data
Subject to Revision

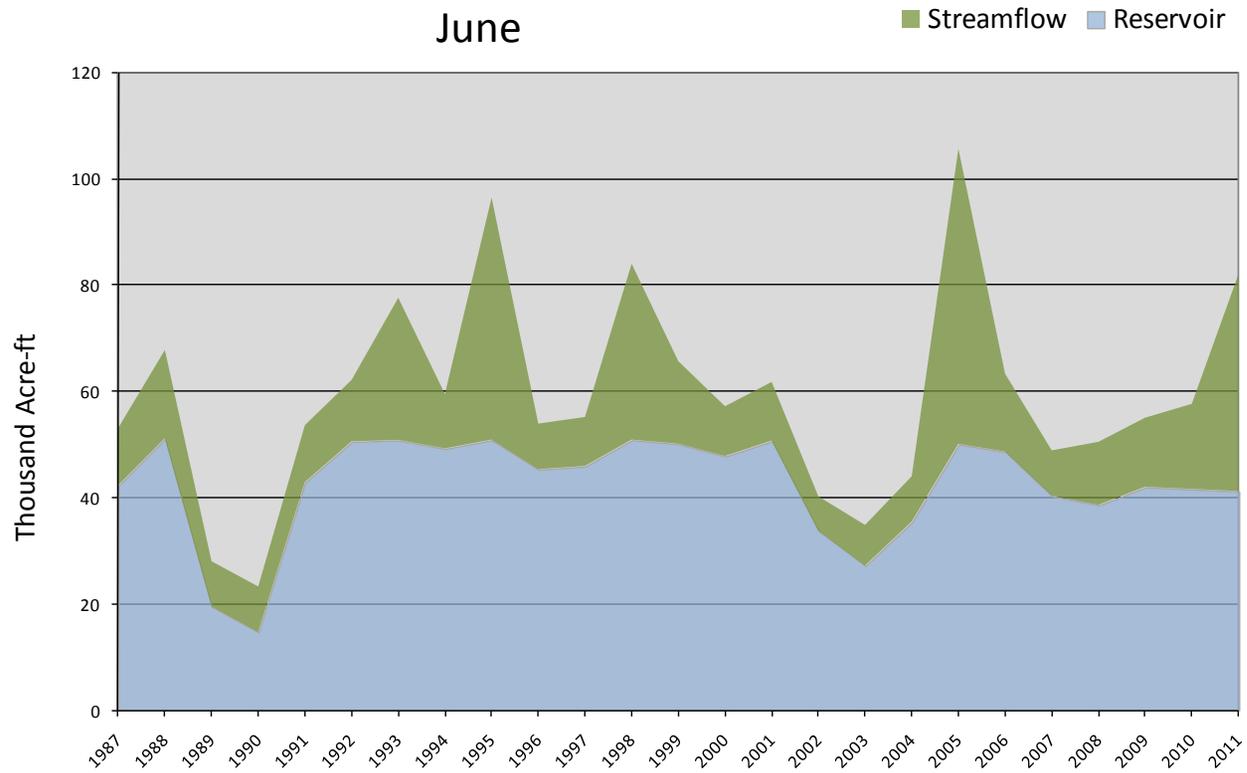


June 1, 2011						
Surface Water Supply Index						
Basin or Region	May EOM* Quail Creek and Gunlock Reservoirs	June-July forecast Virgin and Santa Clara Rivers	Reservoir + Streamflow	SWSI#	Percentile	Years with similar SWSI
	KAF^	KAF	KAF		%	
Virgin River	41.2	41	82	2.88	85	88,93,98,95

**EOM, end of month; #SWSI, Surface Water Supply Index; ^KAF, thousand acre-feet.*

Virgin River - Surface Water Supply Index

June



E. GARFIELD, KANE, WASHINGTON, & IRON Co. as of June 1, 2011

E. GARFIELD, KANE, WASHINGTON, & IRON Co. Streamflow Forecasts - June 1, 2011								
Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>					30-Yr Avg. (1000AF)	
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	
Lake Powell Inflow (2)	APR-JUL	11000	11900	12600	159	13300	14400	7930
	JUN-JUL	7800	8730	9400	203	10100	11200	4640
Virgin R at Virgin	APR-JUL	148	151	153	239	155	159	64
	JUN-JUL	31	34	36	220	38	42	16.4
Virgin R nr Hurricane	APR-JUL	155	160	163	236	167	172	69
	JUN-JUL	33	38	41	227	45	50	18.1
Santa Clara R nr Pine Valley	APR-JUL	9.50	10.10	10.50	191	10.90	11.60	5.50
	JUN-JUL	3.80	4.40	4.80	200	5.20	5.90	2.40
Coal Ck nr Cedar City	APR-JUL	39	41	42	218	43	45	19.3
	JUN-JUL	13.60	16.20	18.00	277	19.80	22.00	6.50

E. GARFIELD, KANE, WASHINGTON, & IRON Co. Reservoir Storage (1000 AF) - End of May					E. GARFIELD, KANE, WASHINGTON, & IRON Co. Watershed Snowpack Analysis - June 1, 2011			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
GUNLOCK	10.4	10.4	10.4	---	VIRGIN RIVER	5	260	420
LAKE POWELL	24322.0	13958.0	14463.0	---	PAROWAN	2	217	382
QUAIL CREEK	40.0	30.8	31.2	29.6	ENTERPRISE TO NEW HARMONY	2	0	0
UPPER ENTERPRISE	10.0	10.0	5.2	---	COAL CREEK	2	217	358
LOWER ENTERPRISE	2.6	2.4	1.3	---	ESCALANTE RIVER	2	0	0
					SOUTHWESTERN UTAH	9	260	400

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
- (2) - The value is natural volume - actual volume may be affected by upstream water management.
- (3) - Median value used in place of average.