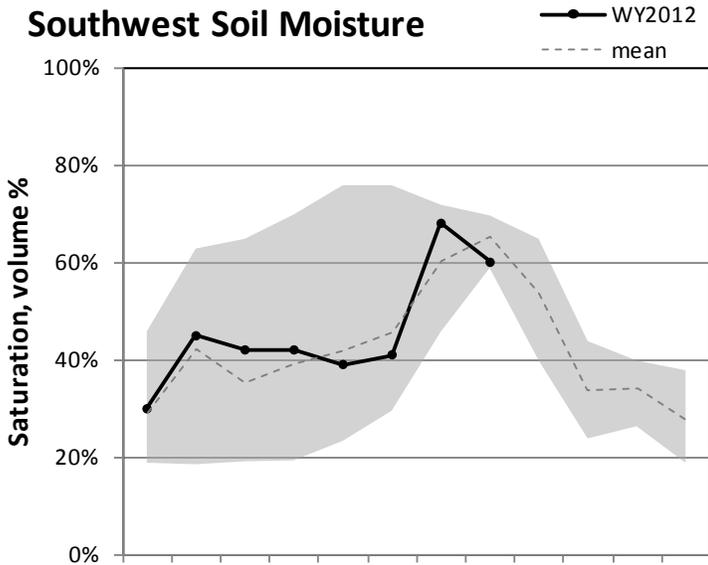


E. Garfield, Kane, Washington, & Iron Co. May 1, 2012

Snowpacks in this region are much below normal at 25% of average, which is 14% of last year. Individual sites range from bare to 56% of average at Midway Valley Snotel. April precipitation was near average at 92%, bringing the seasonal accumulation (Oct-April) to 84% of average. The average soil moisture estimate in runoff producing areas is at 60% of saturation within the upper 2 feet of soil, compared to 69% last year. Forecast streamflows (May–July) range from 23% to 33% of average. Reservoir storage is at 85% of capacity, 4% lower than last year at this time. The Surface Water Supply Index is at 22%, indicating much below average water supply conditions.

Southwest Soil Moisture

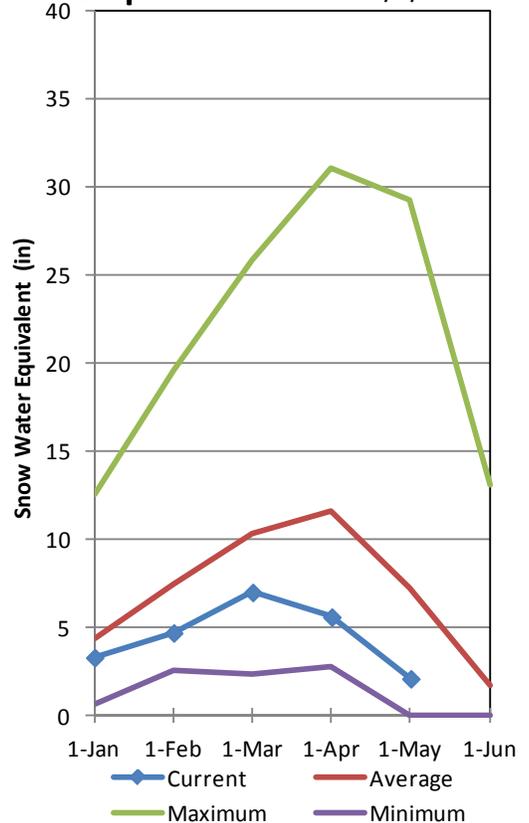


Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep
Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content. The gray area represents the range in saturation values since 2005.

Southwest Utah

Snowpack

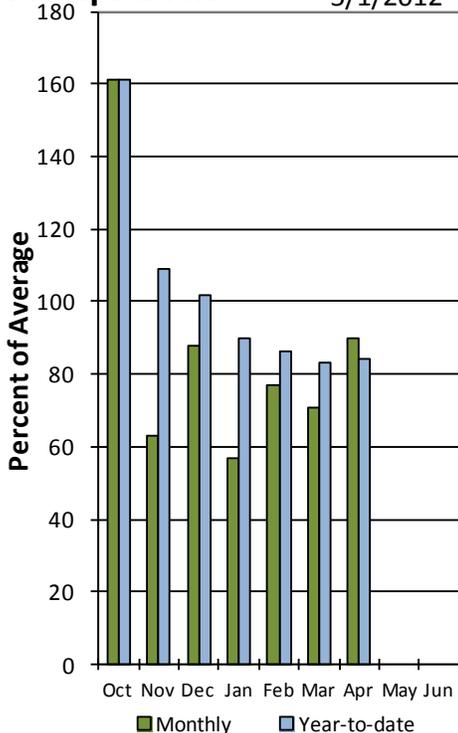
5/1/2012



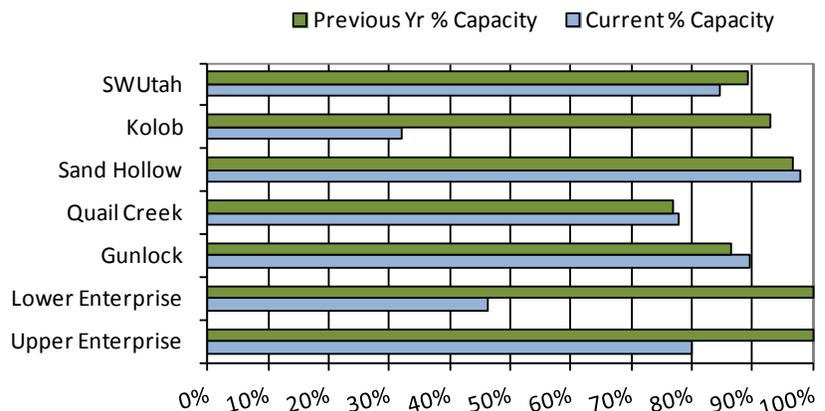
Southwest Utah

Precipitation

5/1/2012



May Southwest Utah Reservoir Storage



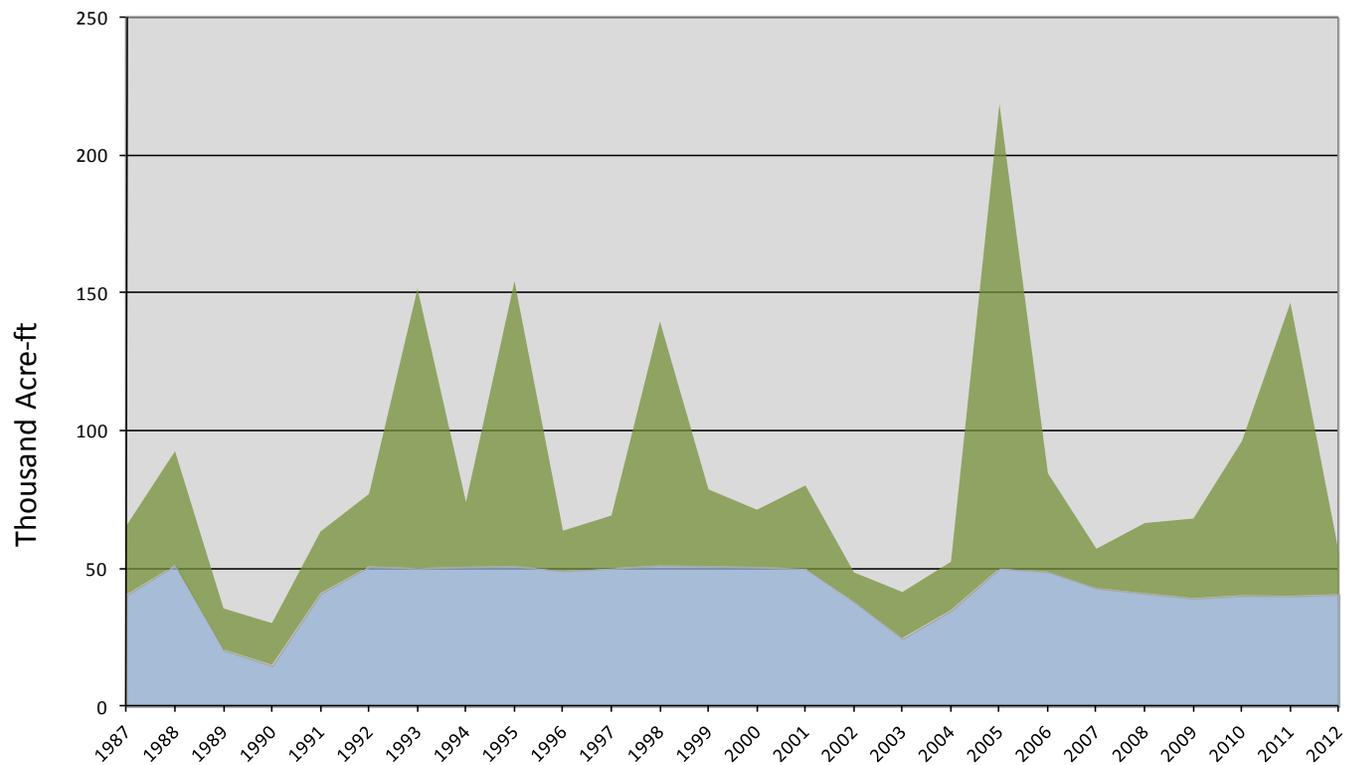
Surface Water Supply Index						
Basin or Region	April EOM* Quail Creek and Gunlock Reservoirs	May-July forecast Virgin and Santa Clara Rivers	Reservoir + Streamflow	SWSI [#]	Percentile	Years with similar SWSI
	<i>KAF</i> [^]	<i>KAF</i>	<i>KAF</i>		%	
Virgin River	40.4	15	56	-2.31	22	02,04,07,91

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

Virgin River Surface Water Supply Index

May

■ Streamflow ■ Reservoir



E. GARFIELD, KANE, WASHINGTON, & IRON Co.
Streamflow Forecasts - May 1, 2012

Forecast Point	Forecast Period	<<==== Drier ==== Future Conditions ==== Wetter =====>>		Chance Of Exceeding *				30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	
Lake Powell Inflow (2)	APR-JUL	1760	1980	2360	30	2790	3260	7930
	MAY-JUL	1000	1220	1600	23	2030	2500	6940
Virgin R at Virgin	APR-JUL	21	24	26	41	28	31	64
	MAY-JUL	9.6	12.1	14.0	33	16.0	19.2	42
Virgin R nr Hurricane	APR-JUL	14.7	18.3	21	30	24	29	69
	MAY-JUL	7.6	11.2	14.0	30	17.2	22	46
Santa Clara R nr Pine Valley	APR-JUL	1.52	1.80	2.00	36	2.30	2.70	5.50
	MAY-JUL	0.60	0.88	1.10	24	1.35	1.75	4.50
Coal Ck nr Cedar City	APR-JUL	6.7	8.5	9.8	51	11.1	12.9	19.3
	MAY-JUL	0.8	3.3	5.0	31	6.7	9.2	15.9

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Reservoir Storage (1000 AF) - End of April

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Watershed Snowpack Analysis - May 1, 2012

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	9.3	9.0	4.3	VIRGIN RIVER	5	15	35
LAKE POWELL	24322.0	15507.0	12926.0	---	PAROWAN	2	21	43
QUAIL CREEK	40.0	31.1	30.8	31.6	ENTERPRISE TO NEW HARMONY	2	200	11
UPPER ENTERPRISE	10.0	8.0	10.0	---	COAL CREEK	2	19	44
LOWER ENTERPRISE	2.6	1.3	2.6	115.5	ESCALANTE RIVER	2	0	0
					SOUTHWESTERN UTAH	9	12	27

* 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.

