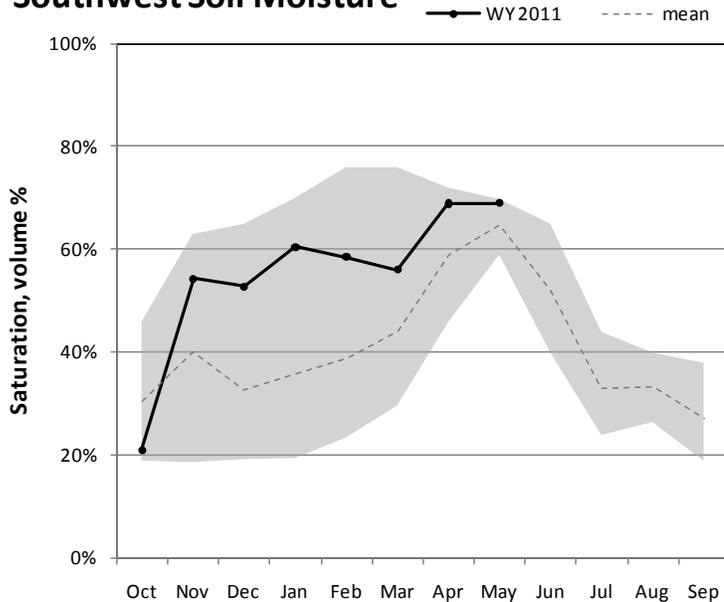


E. Garfield, Kane, Washington, & Iron Co. May 1, 2011

Snowpacks in this region are much above normal at 165% of average, which is 114% of last year. Individual sites range from 6% at Long Flat Snotel, to 350% of average at Webster Flat Snotel. April precipitation was above average at 132%, bringing the seasonal accumulation (Oct-April) to 174% of average. The average soil moisture estimate in runoff producing areas is at 69% of saturation within the upper 2 feet of soil, compared to 70% last year. Forecast streamflows (May–July) range from 145% to 220% of average. Reservoir storage is at 89% of capacity, 17% higher than last year at this time. The Surface Water Supply Index is at 81%, indicating much above average water supply conditions.

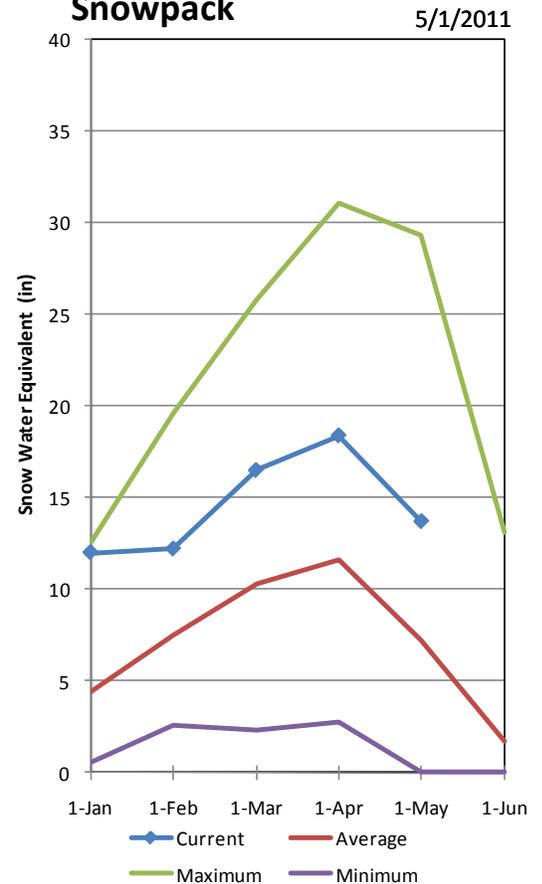
Southwest Soil Moisture



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.

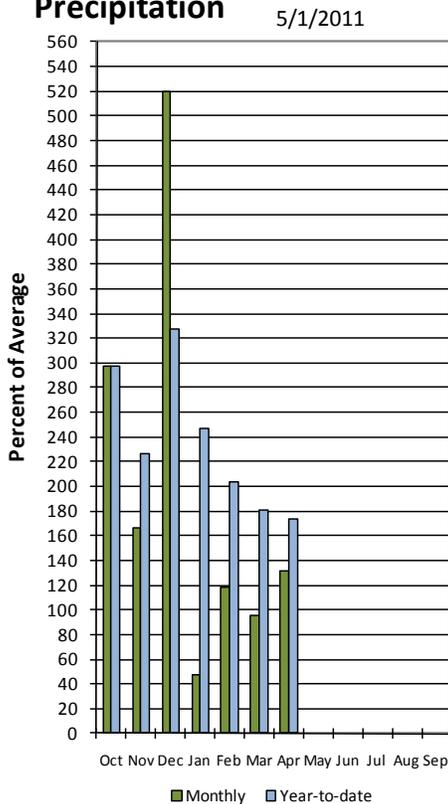
Southwest Utah

Snowpack

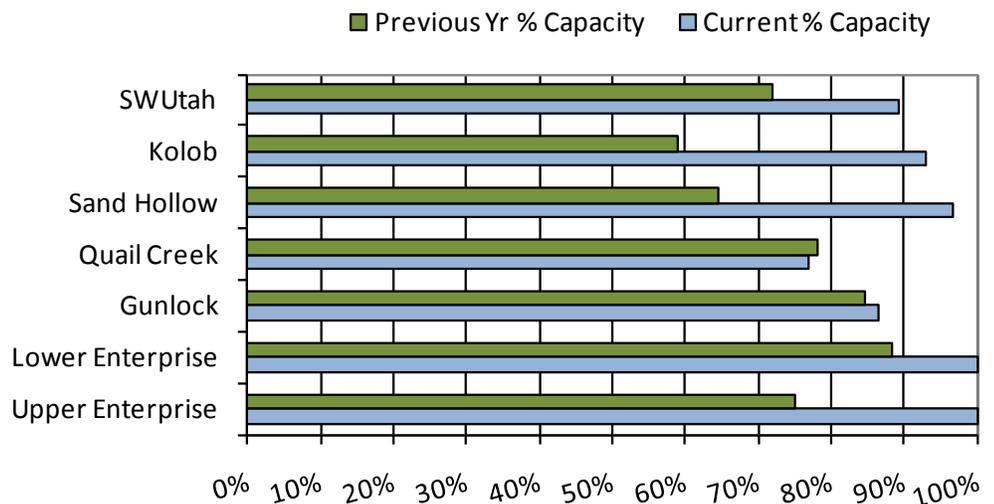


Southwest Utah

Precipitation

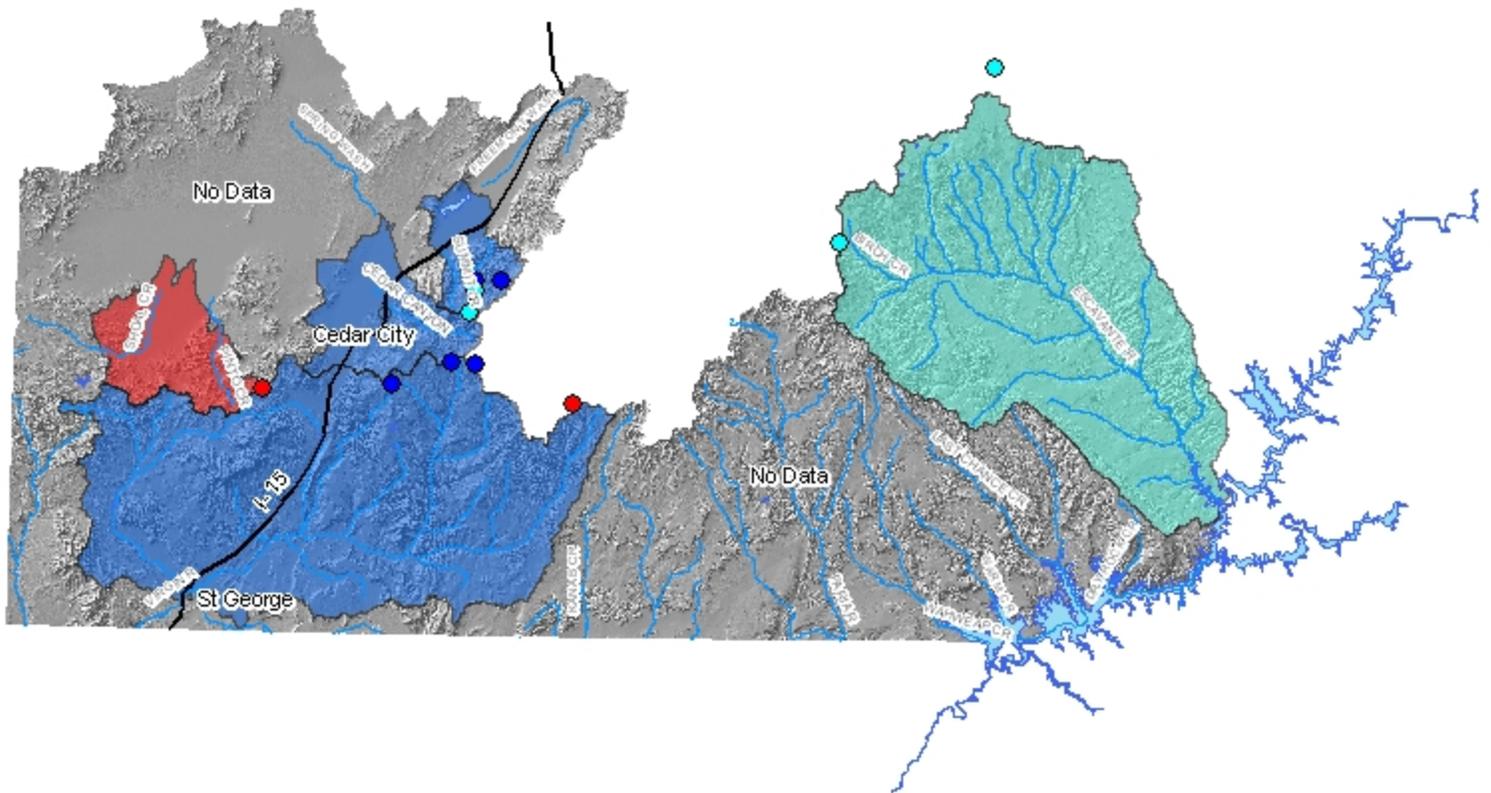
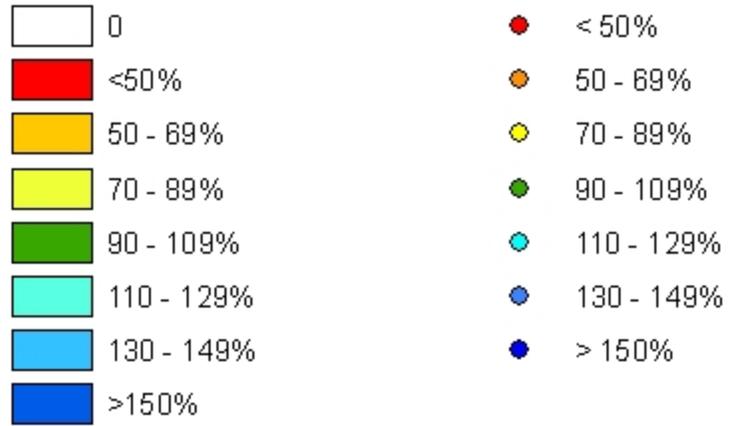


May Southwest Utah Reservoir Storage



E. Garfield, Kane, Washington & Iron County

Watershed % of Average Snotel % of Average



Basin Average
197%

Provisional Data
Subject to Revision



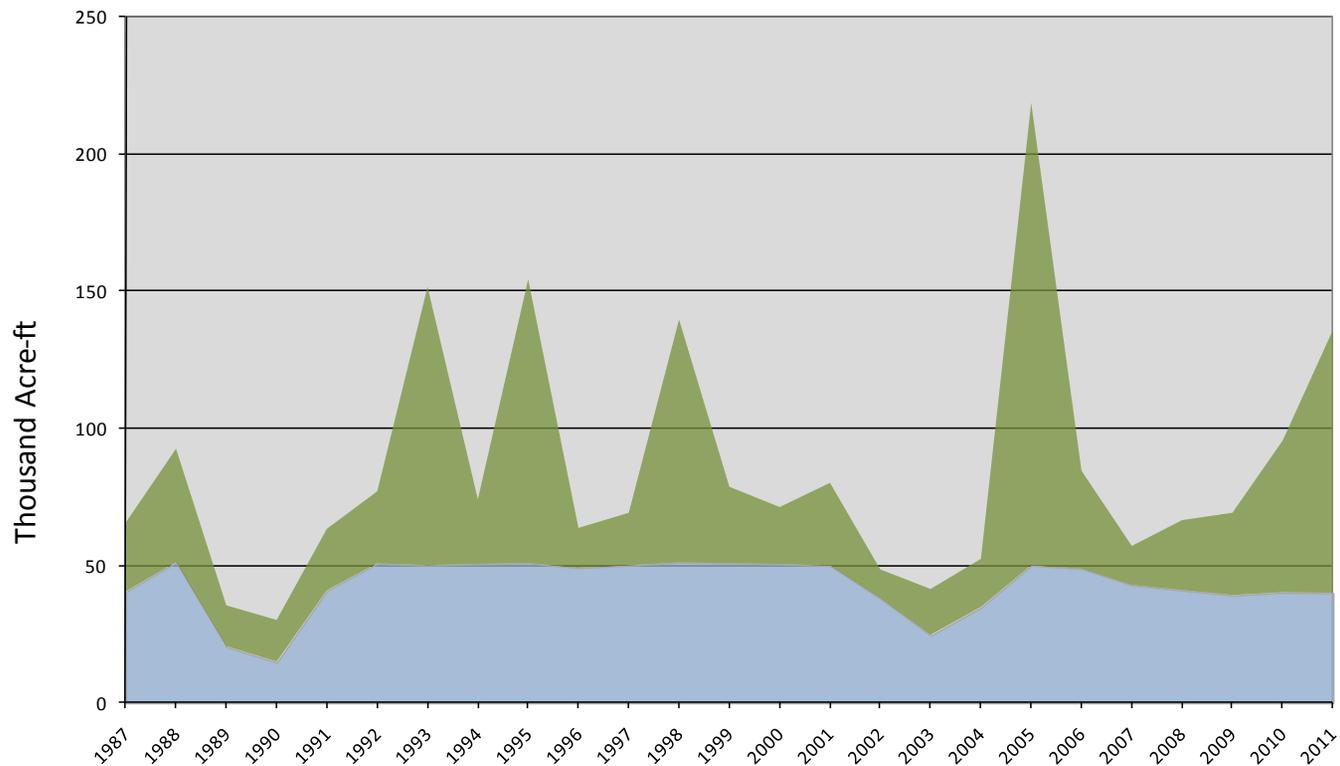
Surface Water Supply Index						
Basin or Region	April EOM* Quail Creek and Gunlock Reservoirs	May-July forecast Virgin and Santa Clara Rivers	Reservoir + Streamflow	SWSI [#]	Percentile	Years with similar SWSI
	<i>KAF</i> [^]	<i>KAF</i>	<i>KAF</i>		%	
Virgin River	39.8	96	136	2.56	81	88, 10, 93, 98

**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, 2011

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	9080	10500	11500	145	12600	14200	7930
	MAY-JUL	8100	9490	10500	151	11600	13200	6940
Virgin R at Virgin	APR-JUL	128	135	140	219	145	152	64
	MAY-JUL	76	83	88	210	93	100	42
Virgin R nr Hurricane	APR-JUL	134	144	152	220	160	172	69
	MAY-JUL	76	86	94	204	102	114	46
Santa Clara R nr Pine Valley	APR-JUL	8.70	9.60	10.20	186	10.80	11.80	5.50
	MAY-JUL	6.50	7.40	8.00	178	8.60	9.60	4.50
Coal Ck nr Cedar City	APR-JUL	39	41	42	218	43	45	19.3
	MAY-JUL	31	33	35	220	37	39	15.9

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Reservoir Storage (1000 AF) - End of April

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Watershed Snowpack Analysis - May 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	9.0	8.8	4.3	VIRGIN RIVER	5	122	216
LAKE POWELL	24322.0	12926.0	13782.0	---	PAROWAN	2	129	208
QUAIL CREEK	40.0	30.8	31.2	31.6	ENTERPRISE TO NEW HARMONY	2	3	6
UPPER ENTERPRISE	10.0	10.0	7.5	---	COAL CREEK	2	131	227
LOWER ENTERPRISE	2.6	2.6	2.3	115.5	ESCALANTE RIVER	2	113	118
					SOUTHWESTERN UTAH	9	117	189

* 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.