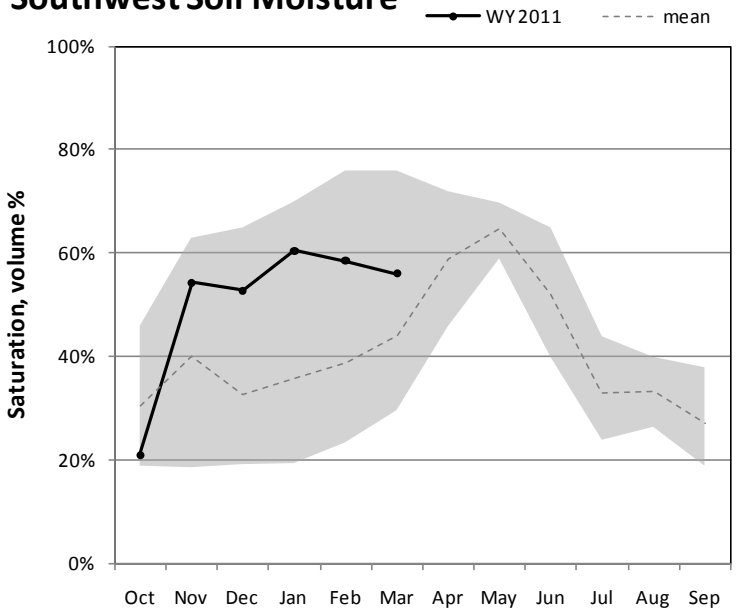
E. Garfield, Kane, Washington, & Iron Co.
February 1, 2011

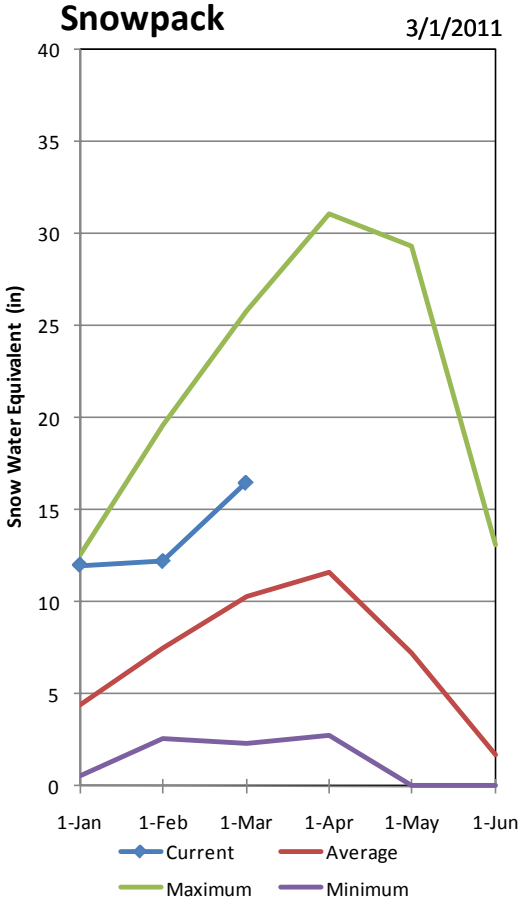
Snowpacks in this region are much above normal at 150% of average, which is 103% of last year. Individual sites range from 92% at Donkey Reservoir Snotel, to 206% of average at Harris Flat Snotel. Precipitation during the month of February was above average at 118%, bringing the seasonal accumulation (Oct-Feb) to 204% of average. The average soil moisture estimate in runoff producing areas is at 56% of saturation within the upper 2 feet of soil, compared to 30% last year. Forecast streamflows (Apr–July) range from 187% to 114% of average. Reservoir storage is at 88% of capacity, 25% 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

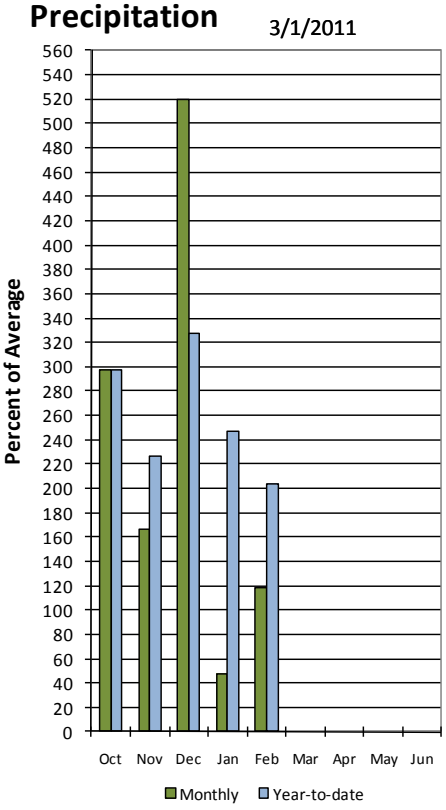


Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content. The gray area represents the range in saturation values since 2005.

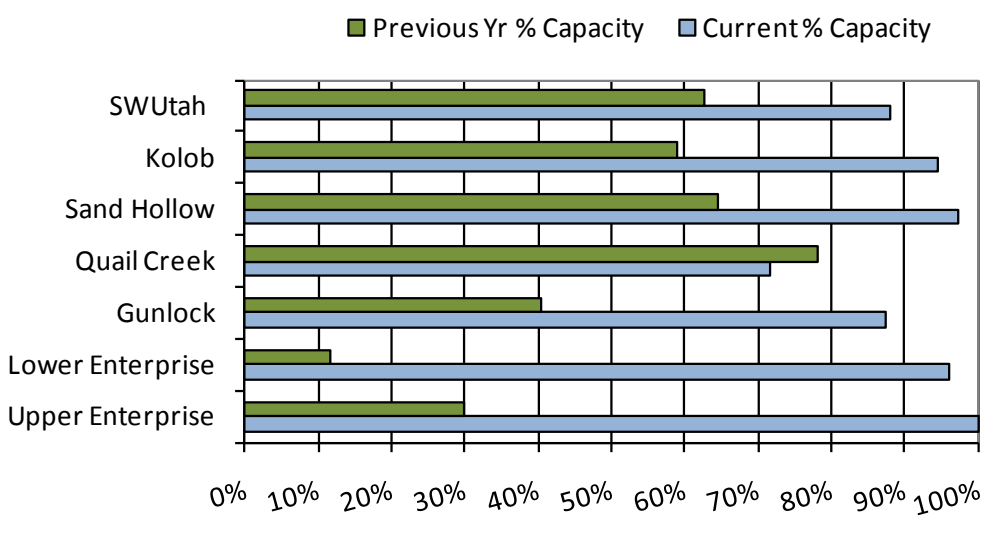
Southwest Utah Snowpack



Southwest Utah Precipitation



March Southwest Utah Reservoir Storage



E. GARFIELD, KANE, WASHINGTON, & IRON Co.
Streamflow Forecasts - March 1, 2011

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Lake Powell Inflow (2)	APR-JUL	6200	7720	9200	116	10800	12500	7930
Virgin R at Virgin	APR-JUL	77	96	110	172	125	149	64
Virgin R nr Hurricane	APR-JUL	77	101	119	173	139	170	69
Santa Clara R nr Pine Valley	APR-JUL	5.40	7.20	8.50	155	10.00	12.30	5.50
Coal Ck nr Cedar City	APR-JUL	29	34	38	197	42	47	19.3

E. GARFIELD, KANE, WASHINGTON, & IRON Co.
Reservoir Storage (1000 AF) - End of February

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
GUNLOCK	10.4	9.1	4.2	4.9
LAKE POWELL	24322.0	13249.0	13786.0	---
QUAIL CREEK	40.0	28.6	31.2	29.7
UPPER ENTERPRISE	10.0	10.0	0.3	---
LOWER ENTERPRISE	2.6	2.5	0.2	90.0

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Watershed Snowpack Analysis - March 1, 2011

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
VIRGIN RIVER	5	110	182
PAROWAN	2	129	164
ENTERPRISE TO NEW HARMONY	2	53	108
COAL CREEK	2	129	174
ESCALANTE RIVER	2	106	112
SOUTHWESTERN UTAH	9	101	159

* 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.

March 1, 2011	**Surface Water Supply Index**					
Basin or Region	February EOM* Quail Creek and Gunlock Reservoirs	April-July forecast Virgin and Santa Clara Rivers	Reservoir + Streamflow	SWSI#	Percentile	Years with similar SWSI
	*KAF^*	*KAF*	*KAF*		*%*	
Southwest	**37.7**	**119**	**156**	**2.56**	**81**	**95, 98, 10, 88**

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