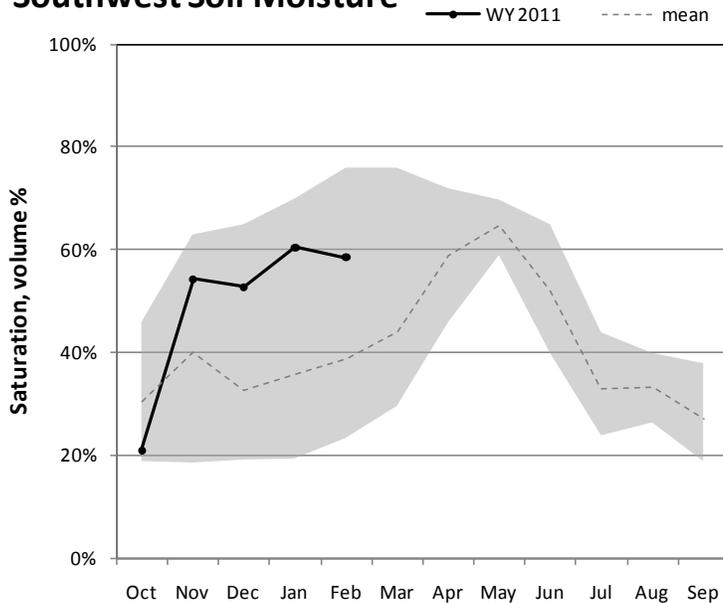


E. Garfield, Kane, Washington, & Iron Co. February 1, 2011

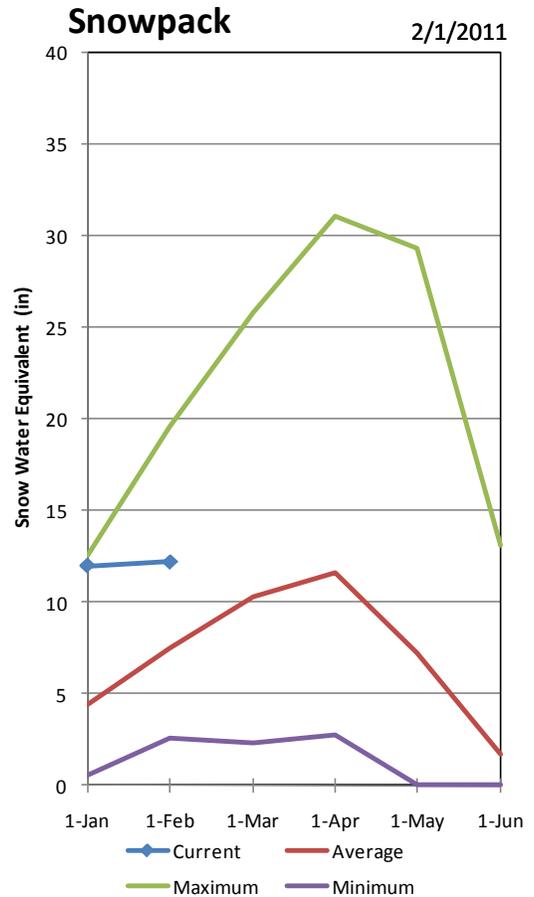
Snowpacks in this region are much above normal at 163% of average, which is 94% of last year. Individual sites range from 84% at Donkey Reservoir Snotel, to 215% of average at Harris Flat Snotel. Precipitation during the month of December was much below average at 48%, bringing the seasonal accumulation (Oct-Dec) to 328% of average. The average soil moisture estimate in runoff producing areas is at 59% of saturation within the upper 2 feet of soil, compared to 24% last year. Forecast streamflows (Apr-July) range from 187% to 114% of average. Reservoir storage is at 82% of capacity, 23% 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



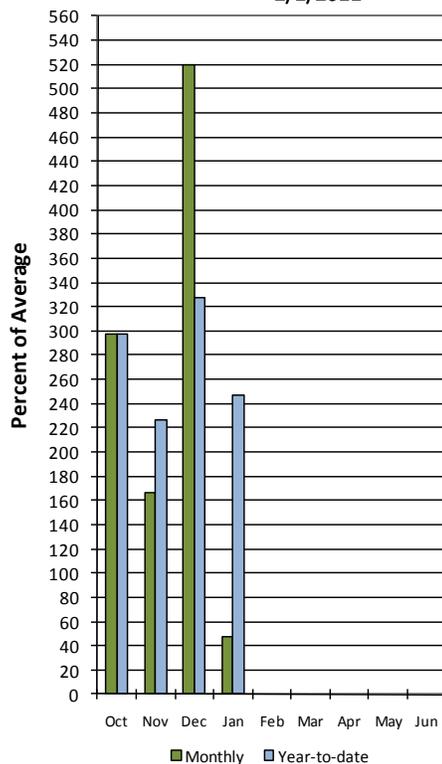
Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content. The gray area represents the range in saturation values since 2005.

Southwest Utah

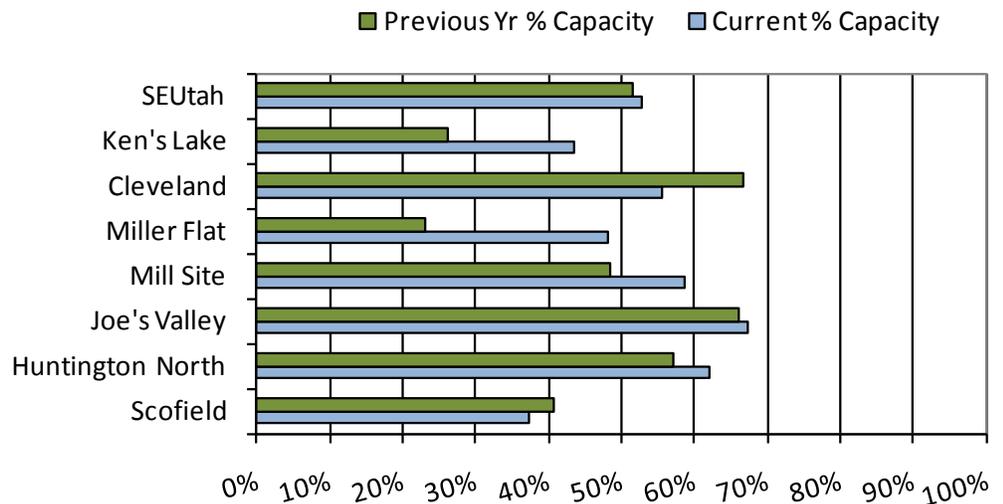


Southwest Utah

Precipitation 2/1/2011



February Southeast Utah Reservoir Storage



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

Forecast Point	Forecast Period	<<==== Drier ==== Future Conditions ==== Wetter >>>						30-Yr Avg. (1000AF)				
		90% (1000AF)		70% (1000AF)		50% (1000AF) (% AVG.)			30% (1000AF)		10% (1000AF)	
		Chance Of Exceeding *										
Lake Powell Inflow (2)	APR-JUL	5700	7500	9000	114	10600	12800	7930				
Virgin R at Virgin	APR-JUL	69	87	100	156	114	137	64				
Virgin R nr Hurricane	APR-JUL	69	92	110	159	129	160	69				
Santa Clara R nr Pine Valley	APR-JUL	4.60	6.50	8.00	146	9.60	12.30	5.50				
Coal Ck nr Cedar City	APR-JUL	26	32	36	187	40	46	19.3				

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

E. GARFIELD, KANE, WASHINGTON, & IRON Co.
Watershed Snowpack Analysis - February 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	8.9	0.0	5.7	VIRGIN RIVER	5	105	199
LAKE POWELL	24322.0	13926.0	14002.0	---	PAROWAN	2	138	198
QUAIL CREEK	40.0	27.4	30.6	26.5	ENTERPRISE TO NEW HARMONY	2	42	86
UPPER ENTERPRISE	10.0	10.0	0.2	---	COAL CREEK	2	132	197
LOWER ENTERPRISE	2.6	2.4	0.0	38.0	ESCALANTE RIVER	2	97	96
					SOUTHWESTERN UTAH	9	94	163

* 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.

February 1, 2011		Surface Water Supply Index				
Basin or Region	January EOM* Quail Creek and Gunlock Reservoirs	April-July forecast Virgin and Santa Clara Rivers	Reservoir + Streamflow	SWSI [#]	Percentile	Years with similar SWSI
	<i>KAF</i> [^]	<i>KAF</i>	<i>KAF</i>		%	
Southwest	36.3	100	136	2.56	81	10, 88, 98, 95

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

Virgin River Surface Water Supply Index
February

