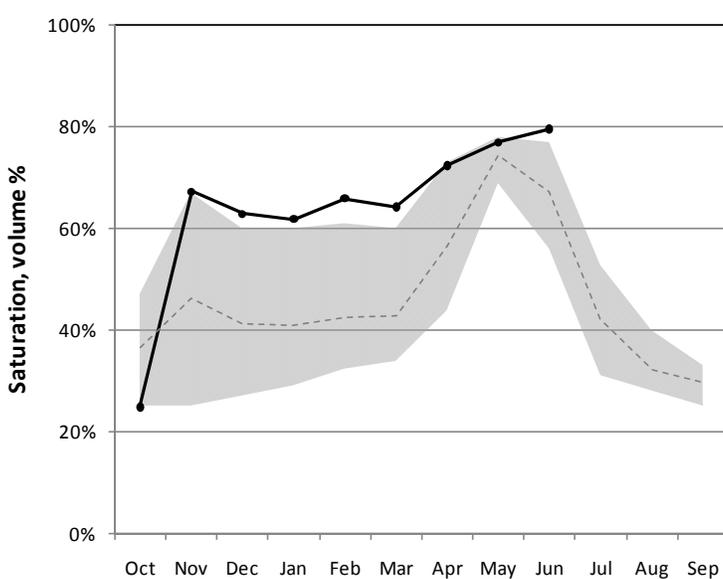


## Southeast - Carbon, Emery, Wayne, Grand and San Juan Counties June 1, 2011

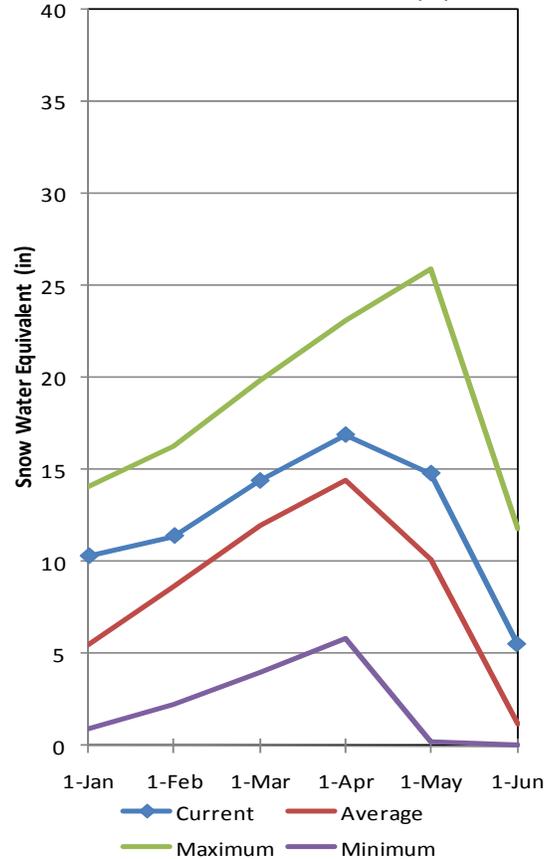
Snowpacks in this region are much above normal at 362% of average, about 677% of last year. Precipitation during May was much above average at 170%, bringing the seasonal accumulation (Oct-May) to 145% of normal. Soil moisture estimates in runoff producing areas are at 79% of saturation in the upper 2 feet of soil, compared to 72% last year at this time. Forecast streamflows (May-July) range from 33% to 348% of average. Reservoir storage is at 68% of capacity, 2% higher than last year at this time. Surface Water Supply Indices for the area are: Price 58%, Joe's Valley 92%, Ferron Creek 70%, and Moab 72%. General runoff and water supply conditions are much above average in Joe's Valley and Moab areas, above average in Ferron Creek, and average in the Price area.

### Southeast Soil Moisture

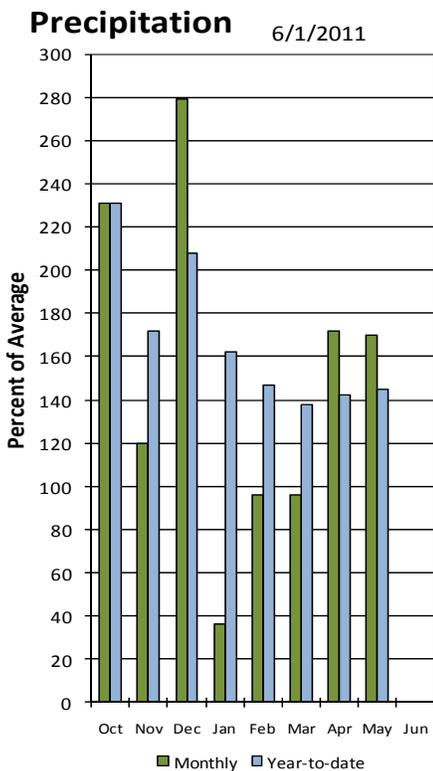


Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content. The gray area represents the range in saturation values since 2005.

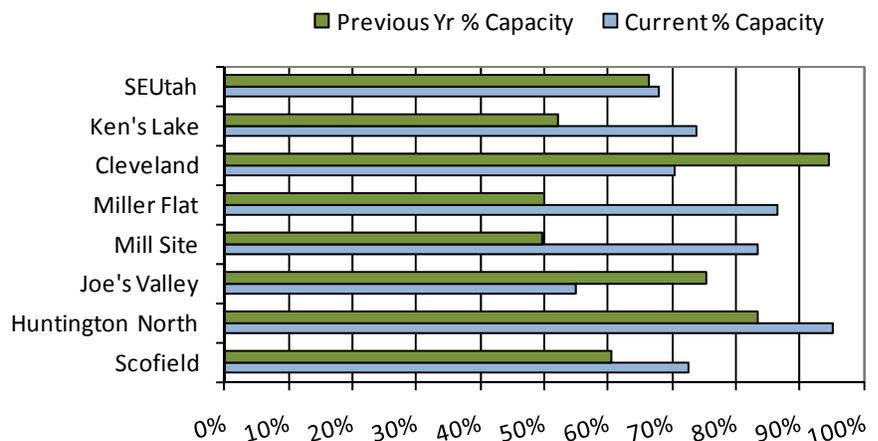
### Southeast Utah Snowpack



### Southeast Utah Precipitation



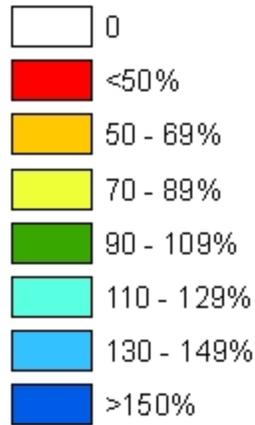
### June Southeast Utah Reservoir Storage



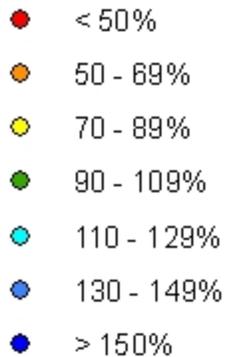
# Carbon, Emery, Wayne Grand & San Juan Basins



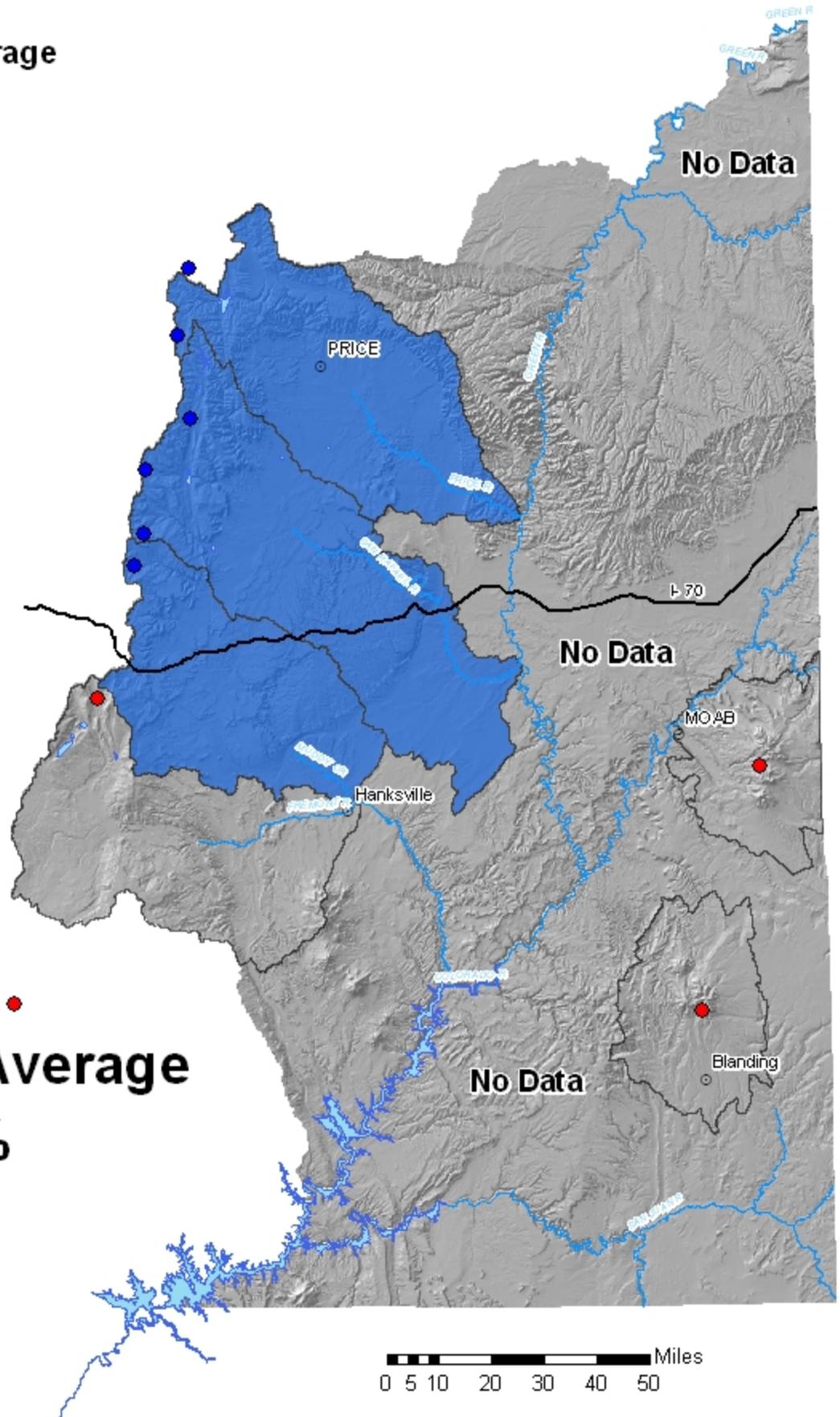
## Watershed % of Average



## Snotel % of Average



**Basinwide Average**  
**442%**



*Provisional Data  
Subject to Revision*



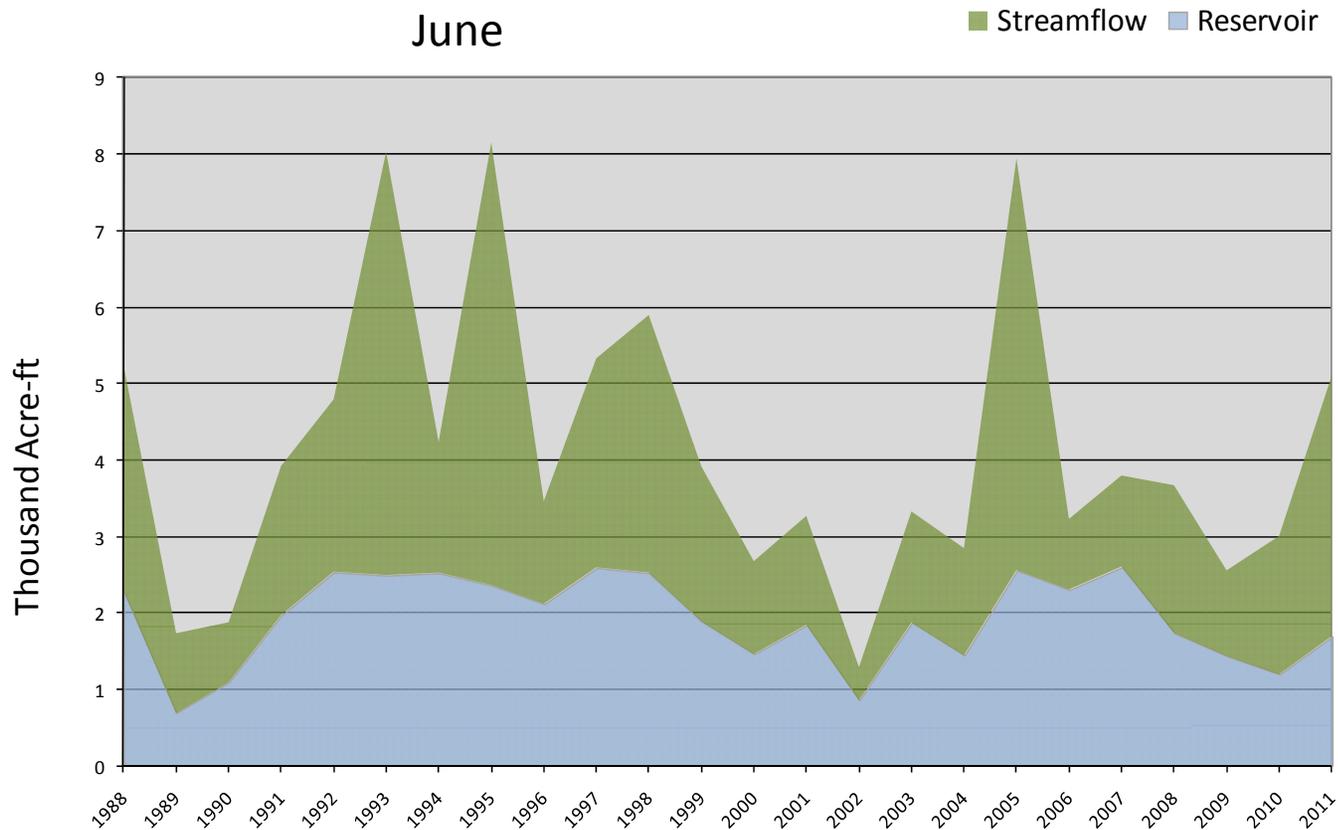
June 1, 2011

## Surface Water Supply Index

Basin or Region	May EOM* Ken's Lake Reservoir	June-July Forecast Mill Creek at Sheley	Reservoir + Streamflow	SWSI#	Percentile	Years with similar SWSI
	KAF^	KAF	KAF		%	
<b>Moab</b>	<b>1.7</b>	<b>3.4</b>	<b>5.1</b>	<b>1.83</b>	<b>72</b>	<b>94, 92, 88, 97</b>

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

### Moab - Surface Water Supply Index June



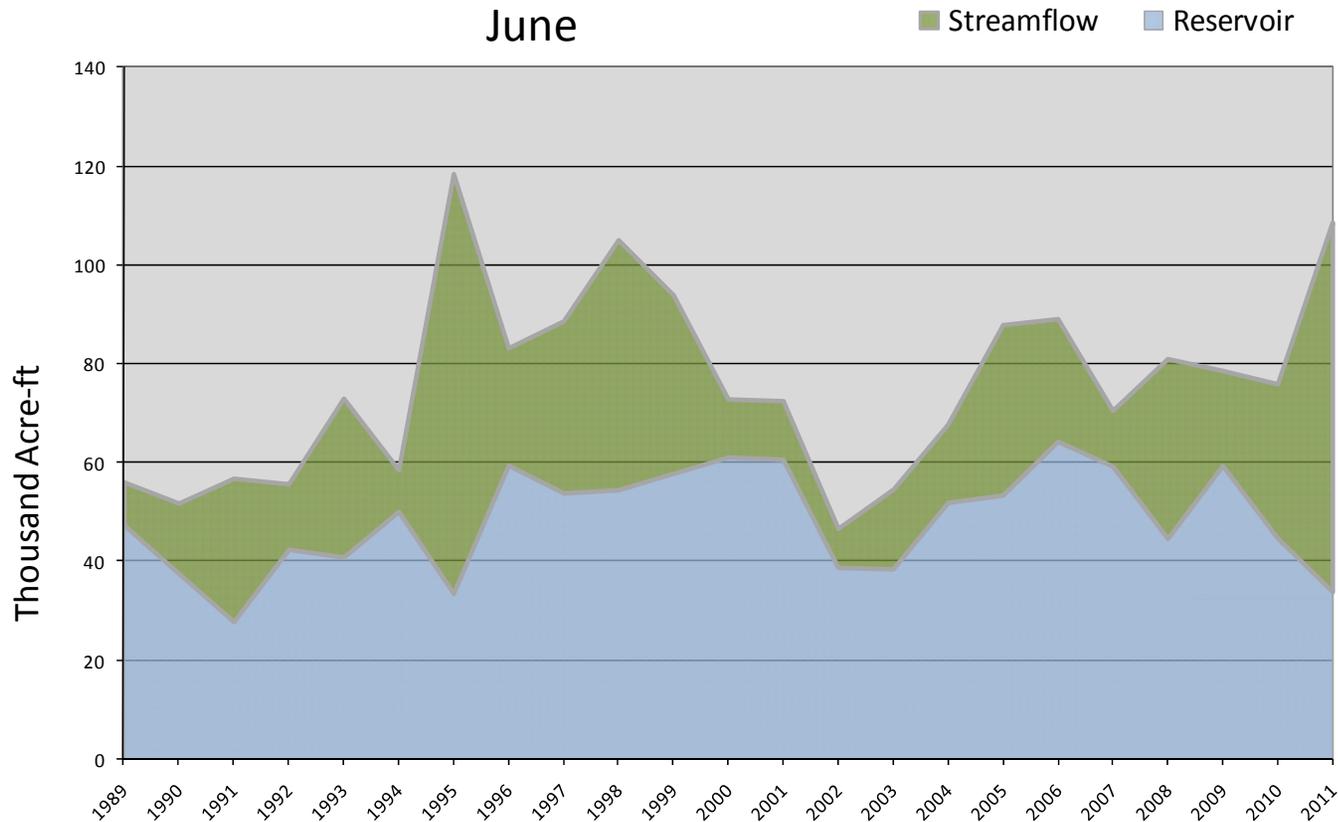
June 1, 2011

## Surface Water Supply Index

Basin or Region	May EOM* Joe's Valley	June-July Forecast Inflow to Joe's Valley	Reservoir + Streamflow	SWSI#	Percentile	Years with similar SWSI
	KAF^	KAF	KAF		%	
<b>Joe's Valley</b>	<b>33.8</b>	<b>75.0</b>	<b>108.8</b>	<b>3.47</b>	<b>92</b>	<b>06, 99, 98, 95</b>

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

### Joe's Valley - Surface Water Supply Index



June 1, 2011

## Surface Water Supply Index

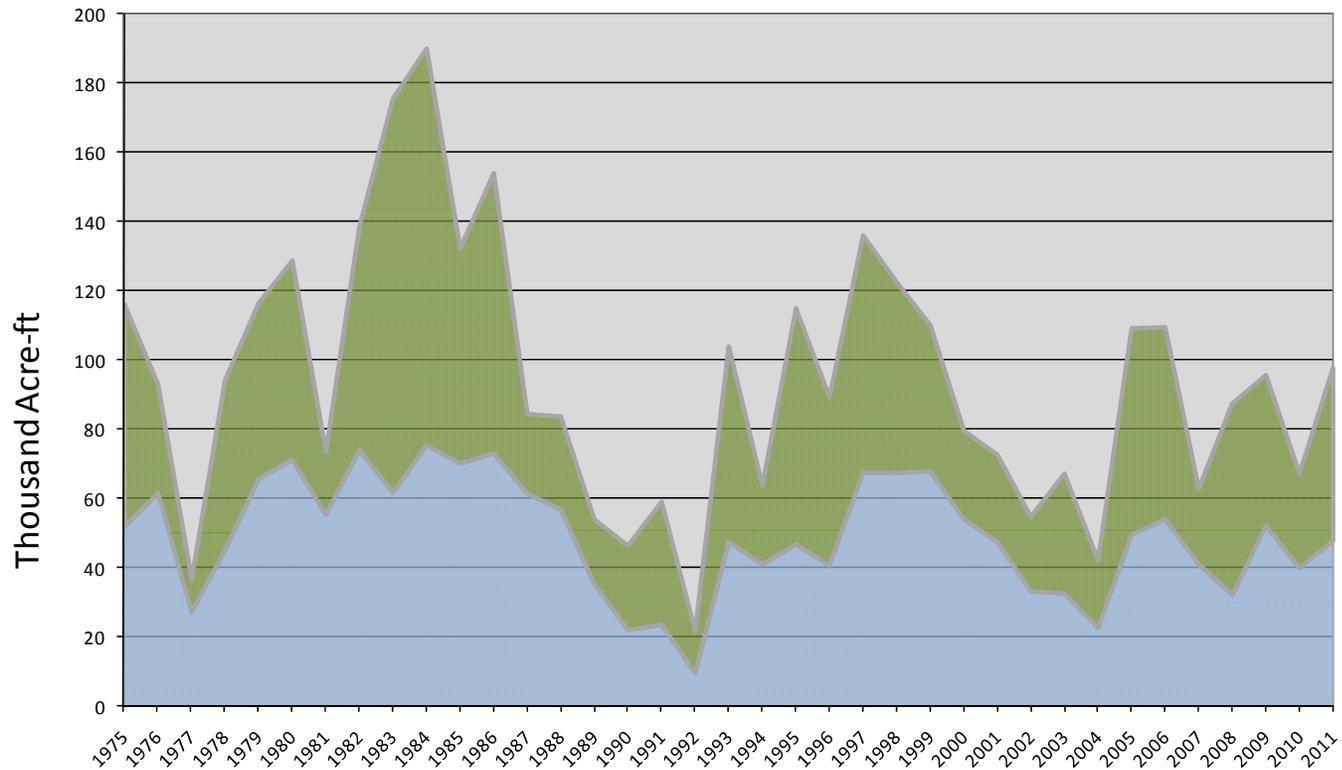
Basin or Region	May EOM* Scofield Reservoir	June-July Forecast Scofield	Reservoir + Streamflow	SWSI#	Percentile	Years with similar SWSI
	KAF^	KAF	KAF		%	
<b>Price River</b>	<b>47.8</b>	<b>50.0</b>	<b>97.8</b>	<b>0.66</b>	<b>58</b>	<b>78, 09, 93, 05</b>

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

### Price River - Surface Water Supply Index

June

■ Streamflow ■ Reservoir



June 1, 2011

## Surface Water Supply Index

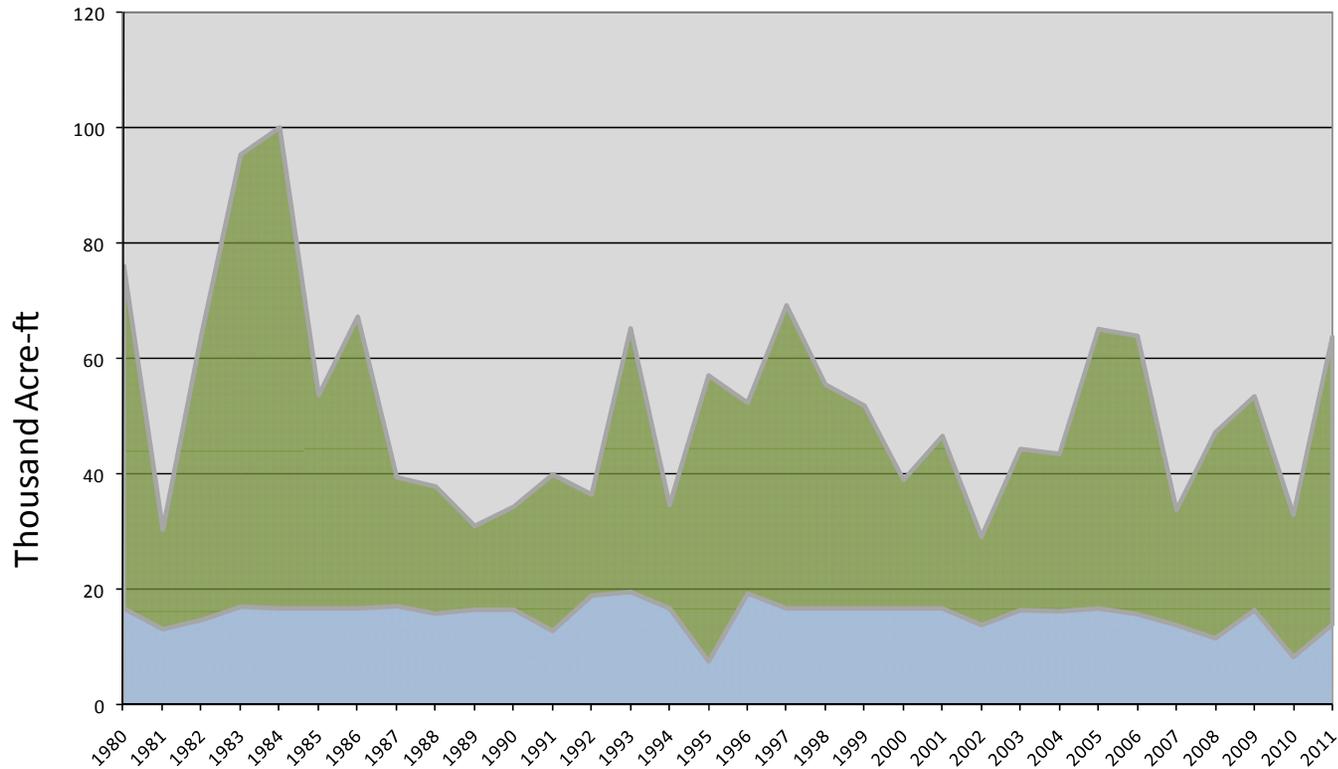
Basin or Region	May EOM* Millsite Reservoir	June-July Forecast Ferron creek	Reservoir + Streamflow	SWSI#	Percentile	Years with similar SWSI
	KAF^	KAF	KAF		%	
<b>Ferron Creek</b>	<b>13.9</b>	<b>50.0</b>	<b>63.9</b>	<b>1.64</b>	<b>70</b>	<b>98, 95, 06, 82</b>

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

### Ferron Creek - Surface Water Supply Index

June

■ Streamflow ■ Reservoir



CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co. as of June 1, 2011

CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co. Streamflow Forecasts - June 1, 2011								
Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>						
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Fish Creek ab Reservoir nr Scofield	APR-JUL	62	66	68	212	70	74	32
	JUN-JUL	34	38	40	348	42	46	11.5
Price R nr Scofield Reservoir (2)	APR-JUL	73	82	88	196	95	107	45
	JUN-JUL	35	44	50	294	57	69	17.0
White R bl Tabbyune Ck	APR-JUL	33	34	36	208	37	39	17.3
	JUN-JUL	6.50	7.90	9.00	216	10.20	12.00	4.16
Green R at Green River, UT (2)	APR-JUL	5550	5980	6290	198	6610	7100	3170
	JUN-JUL	3660	4090	4400	257	4720	5210	1710
Electric Lake Inflow (2)	APR-JUL	25	27	29	185	31	33	15.7
	JUN-JUL	16.20	18.40	20.00	348	22.00	24.00	5.75
Huntington Ck nr Huntington (2)	APR-JUL	77	83	87	178	91	98	49
	JUN-JUL	55	61	65	250	69	76	26
Joe's Valley Reservoir Inflow (2)	APR-JUL	75	87	95	164	104	118	58
	JUN-JUL	55	67	75	214	84	98	35
Ferron Ck (Upper Station) nr Ferron	APR-JUL	55	60	64	164	68	73	39
	JUN-JUL	41	46	50	217	54	59	23
Seven Mile Ck nr Fish Lake	APR-JUL	9.00	10.30	11.20	160	12.10	13.40	7.00
	JUN-JUL	5.30	6.60	7.50	242	8.40	9.70	3.10
Colorado R nr Cisco	APR-JUL	5970	6340	6600	142	6870	7280	4650
	JUN-JUL	3900	4270	4530	178	4800	5210	2550
Mill Ck at Sheley Tunnel nr Moab	APR-JUL	4.40	4.90	5.30	106	5.70	6.40	5.00
	JUN-JUL	2.50	3.00	3.40	136	3.80	4.50	2.50
Muddy Ck nr Emery	APR-JUL	28	32	35	176	38	42	19.9
	JUN-JUL	19.9	23	26	219	29	33	11.9
Pine Ck nr Escalante	APR-JUL	2.90	3.20	3.40	142	3.60	4.00	2.40
	JUN-JUL	0.39	0.63	0.82	87	1.04	1.40	0.94
South Ck ab Lloyd's Reservoir nr Mon	MAR-JUL	0.37	0.41	0.44	32	0.48	0.56	1.38
	JUN-JUL	0.04	0.08	0.11	33	0.15	0.23	0.33
San Juan R nr Bluff (2)	APR-JUL	815	895	950	77	1010	1110	1230
	JUN-JUL	440	520	575	103	635	730	560

CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co. Reservoir Storage (1000 AF) - End of May					CARBON, EMERY, WAYNE, GRAND, & SAN JUAN 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
HUNTINGTON NORTH	4.2	4.0	3.5	3.9	PRICE RIVER	3	0	660
JOE'S VALLEY	61.6	33.8	46.5	51.4	SAN RAFAEL RIVER	3	626	420
KEN'S LAKE	2.3	1.7	1.2	2.0	MUDDY CREEK	1	0	620
MILL SITE	16.7	13.9	8.3	15.5	FREMONT RIVER	3	0	0
SCOFIELD	65.8	47.8	39.9	53.7	LASAL MOUNTAINS	1	0	0
					BLUE MOUNTAINS	1	0	0
					WILLOW CREEK	1	0	0
					SOUTHEASTERN UTAH	13	1143	444

\* 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.