

Utah Water Supply Outlook Report

March, 2010



Angus Goodbody measures snow at Fish Lake, March, 2010. Photo by Tim Bardsley

Water Supply Outlook Reports and Federal - State - Private Cooperative Snow Surveys

For more water supply and resource management information, contact:

Snow Survey Staff, 245 N Jimmy Doolittle Rd, SLC Utah, 84041 - Phone: (801)524-5213

Charles B. Frear, Area Conservationist, 340 N. 600 E., Richfield, UT 84701 - Phone: (435) 896-6441

Kerry Goodrich, Area Conservationist, 2871 S Commerce Way, Ogden UT 84401 (801)629-0580 x15

Barry Hamilton, Area Conservationist, 540 W, Price River Dr. Price, UT 84501-2813 - Phone: (435) 637-0041

Internet Address: <http://www.ut.nrcs.usda.gov/snow/>

How forecasts are made

Most of the annual streamflow in the western United States originates as snowfall that has accumulated in the mountains during the winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Measurements of snow water equivalent at selected manual snowcourses and automated SNOTEL sites, along with precipitation, antecedent streamflow, and indices of the El Niño / Southern Oscillation are used in computerized statistical and simulation models to prepare runoff forecasts. These forecasts are coordinated between hydrologists in the Natural Resources Conservation Service and the National Weather Service. Unless otherwise specified, all forecasts are for flows that would occur naturally without any upstream influences.

Forecasts of any kind, of course, are not perfect. Streamflow forecast uncertainty arises from three primary sources: (1) uncertain knowledge of future weather conditions, (2) uncertainty in the forecasting procedure, and (3) errors in the data. The forecast, therefore, must be interpreted not as a single value but rather as a range of values with specific probabilities of occurrence. The middle of the range is expressed by the 50% exceedance probability forecast, for which there is a 50% chance that the actual flow will be above, and a 50% chance that the actual flow will be below, this value. To describe the expected range around this 50% value, four other forecasts are provided, two smaller values (90% and 70% exceedance probability) and two larger values (30%, and 10% exceedance probability). For example, there is a 90% chance that the actual flow will be more than the 90% exceedance probability forecast. The others can be interpreted similarly.

The wider the spread among these values, the more uncertain the forecast. As the season progresses, forecasts become more accurate, primarily because a greater portion of the future weather conditions become known; this is reflected by a narrowing of the range around the 50% exceedance probability forecast. Users should take this uncertainty into consideration when making operational decisions by selecting forecasts corresponding to the level of risk they are willing to assume about the amount of water to be expected. If users anticipate receiving a lesser supply of water, or if they wish to increase their chances of having an adequate supply of water for their operations, they may want to base their decisions on the 90% or 70% exceedance probability forecasts, or something in between. On the other hand, if users are concerned about receiving too much water (for example, threat of flooding), they may want to base their decisions on the 30% or 10% exceedance probability forecasts, or something in between. Regardless of the forecast value users choose for operations, they should be prepared to deal with either more or less water. (Users should remember that even if the 90% exceedance probability forecast is used, there is still a 10% chance of receiving less than this amount.) By using the exceedance probability information, users can easily determine the chances of receiving more or less water.

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STATE OF UTAH GENERAL OUTLOOK

March 1, 2010

SUMMARY

February was not nearly the month we had hoped for but was pretty much what we expected given the current El Nino conditions – dry in the north, wetter in the south. Snowpacks on the Bear are the lowest since 1992. The probability of having March snow accumulation big enough to bring snowpacks close to average in northern Utah by April 1 is close to zero, and in fact on the Bear, Weber, Provo and Uintah Basins, we have not had such a March snow accumulation in the period of record. The lackluster storms in the north this past month have barely kept up with average. Not surprisingly, snowpacks in southern Utah have declined as a percentage but are still much above average. Like a long distance race, it's very hard to keep up with a 200% of average pace for the duration and the south was due for a more normal month. Currently snowpacks are much below average in northern Utah and near to much above average in southern Utah. February precipitation was much below average (47%-51%) in northern Utah and below to near normal (83%-105%) in the south which brings the year to date precipitation to much below to below normal in the north and below to above average in the south. Current soil moisture saturation levels in runoff producing areas are: Bear – 51%, Weber – 50%, Provo – 32%, Uintah Basin – 16%, SE Utah – 34%, Sevier – 33% and SW Utah – 30%, up generally 2% to 6 % from last month. Dryer soils typically mean less runoff from snowmelt and with low snowpacks to begin with, runoff may be severely impacted this season. Reservoir storage is currently at 69% of capacity statewide compared to 62% last year. General water supply conditions are much below to below average in northern Utah, near average on the Sevier and above average on the Virgin. Streamflow forecasts range from 15% for the Bear River at Stewart Dam to 133% of average on the Sevier River nr Kingston. Surface Water Supply Indices range from 21% on Ferron Creek to 80% for the Virgin.

SNOWPACK

March first snowpacks as measured by the NRCS SNOTEL system are as follows: Bear – 59%, Weber – 63%, Provo – 66%, Uintah Basin – 71%, SE Utah – 88%, Sevier – 108% and SW Utah – 150% and the statewide figure is 78% of average. With only March remaining in the snow accumulation season, the range of potential outcomes is small and the probability of significant improvement in northern Utah snowpacks is declining. If drought prevails, snowpacks could range between 37% and 87% of average. Given maximum accumulations, April 1 snowpacks could range between 82% and 202% of average. With normal accumulations, April 1 snowpacks will be between 66% and 145% of average.

PRECIPITATION

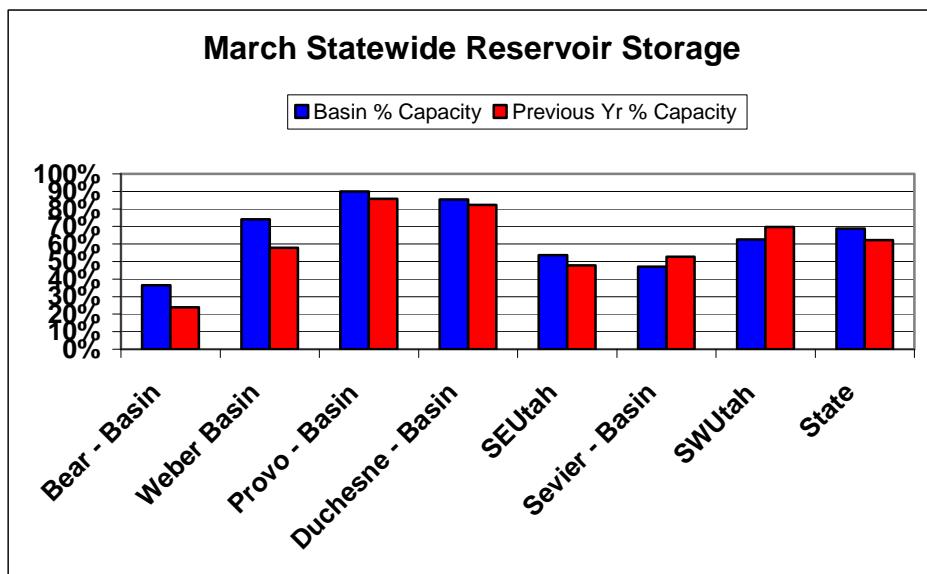
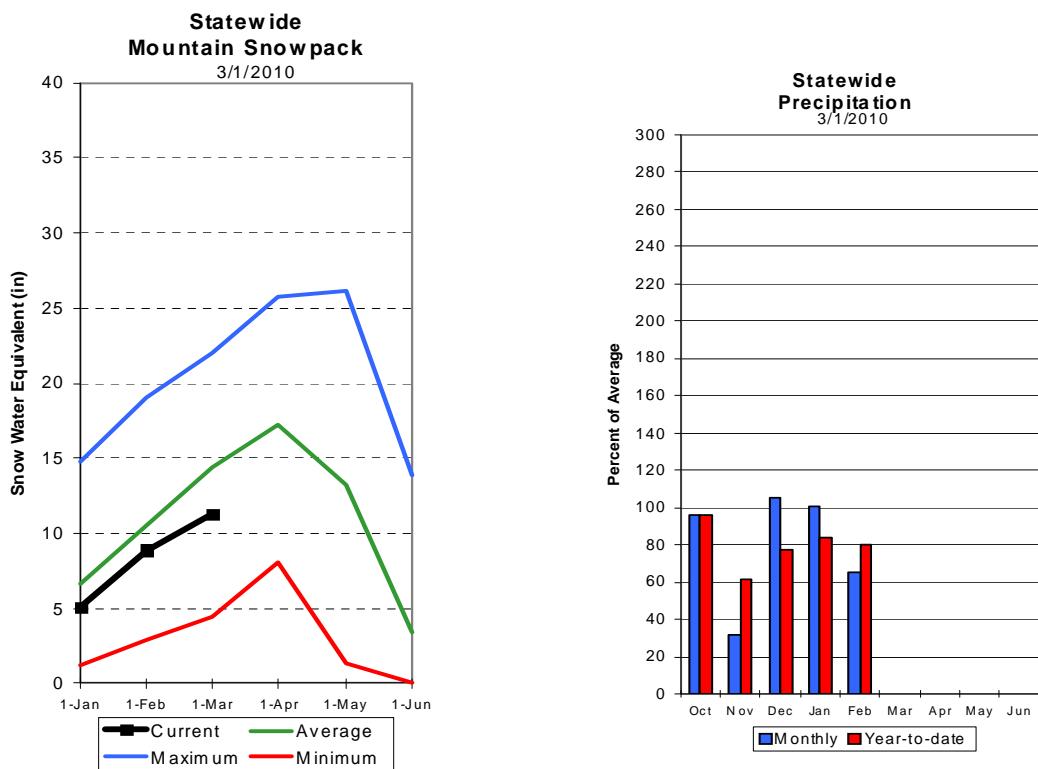
Mountain precipitation during February was: Bear – 51%, Weber – 48%, Provo – 51%, Uintahs – 47%, SE Utah – 83%, Sevier – 105%, SW Utah – 93% and the statewide figure is 65% of average. This brings the seasonal accumulation (Oct-Feb) to 80% of average statewide.

RESERVOIRS

Storage in 41 of Utah's key irrigation reservoirs is at 69% of capacity up 7% compared to March of last year year. Storage by basin is: Bear – 36%, Weber 74%, Provo – 90%, Uintah Basin – 85%, SE Utah – 54%, Sevier – 47%, SW Utah – 63% of capacity. Reservoir storage is the bright spot in an otherwise dismal water supply outlook for northern Utah.

STREAMFLOW

Snowmelt streamflows are expected to have a wide range from much below average in the north to near and above average in southern areas of Utah this year. Forecast streamflows range from 15% on the Bear River at Stewart Dam to 133% on the Sevier River nr Kingston. Most flows are forecast to be in the 40% to 80% range.



Utah

SNOTEL Water Year (Oct 1) to Date Precipitation % of Normal

Mar 01, 2010

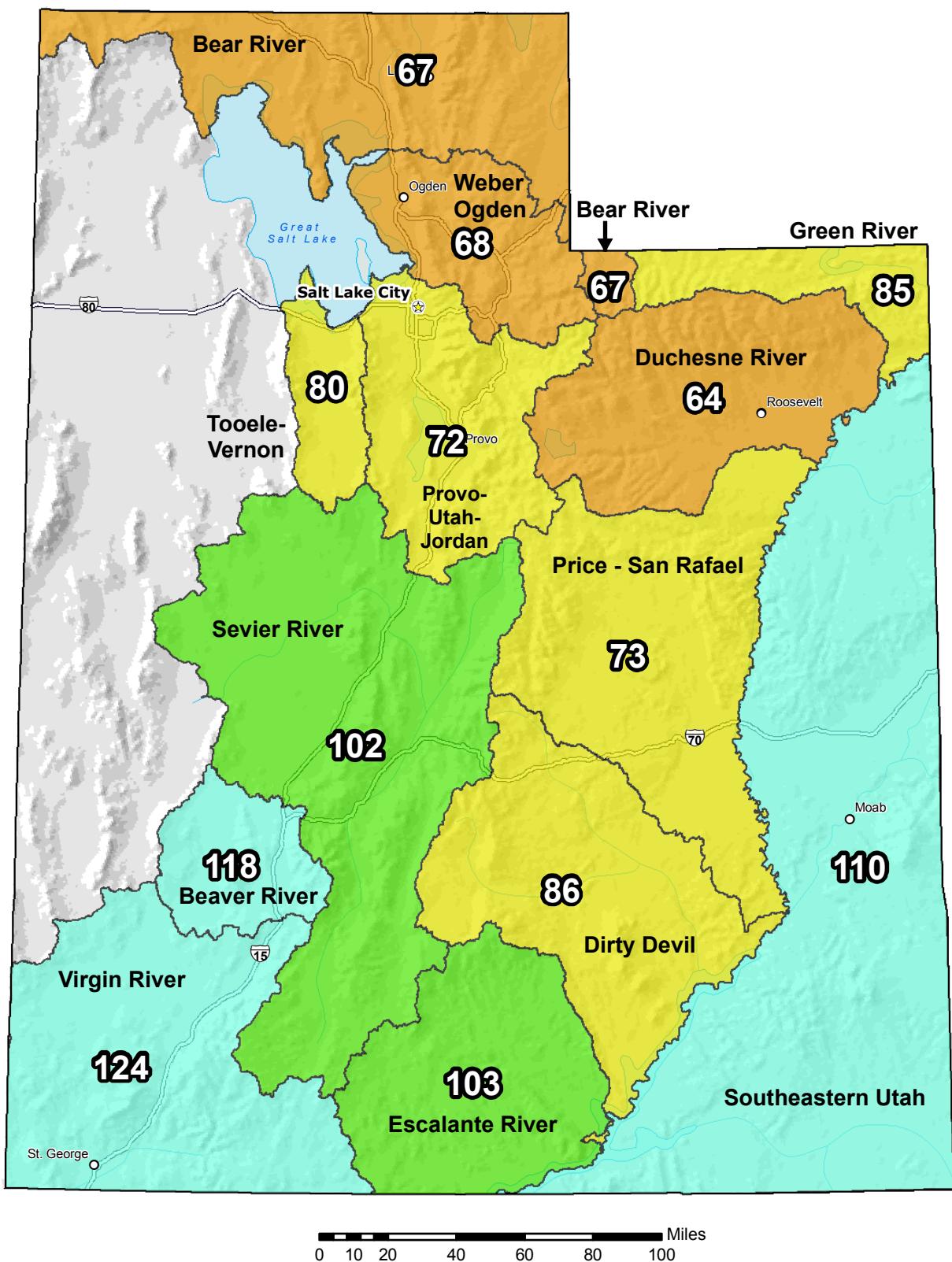
**Water Year
(Oct 1) to Date
Precipitation
Basin-wide
Percent of
1971-2000**

Normal



* Data unavailable at time
of posting or measurement
is not representative at this
time of year

**Provisional Data
Subject to Revision**



The water year to date precipitation percent of normal represents the accumulated precipitation found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

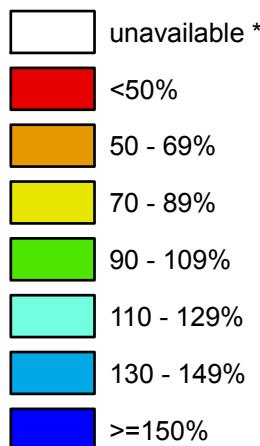
Prepared by the USDA/NRCS National Water and Climate Center
Portland, Oregon <http://www.wcc.nrcs.usda.gov/gis/>
Based on data from <http://www.wcc.nrcs.usda.gov/reports/>
Science contact: Tom.Pagano@por.usda.gov 503 414 3010

Utah

SNOTEL Current Snow Water Equivalent (SWE) % of Normal

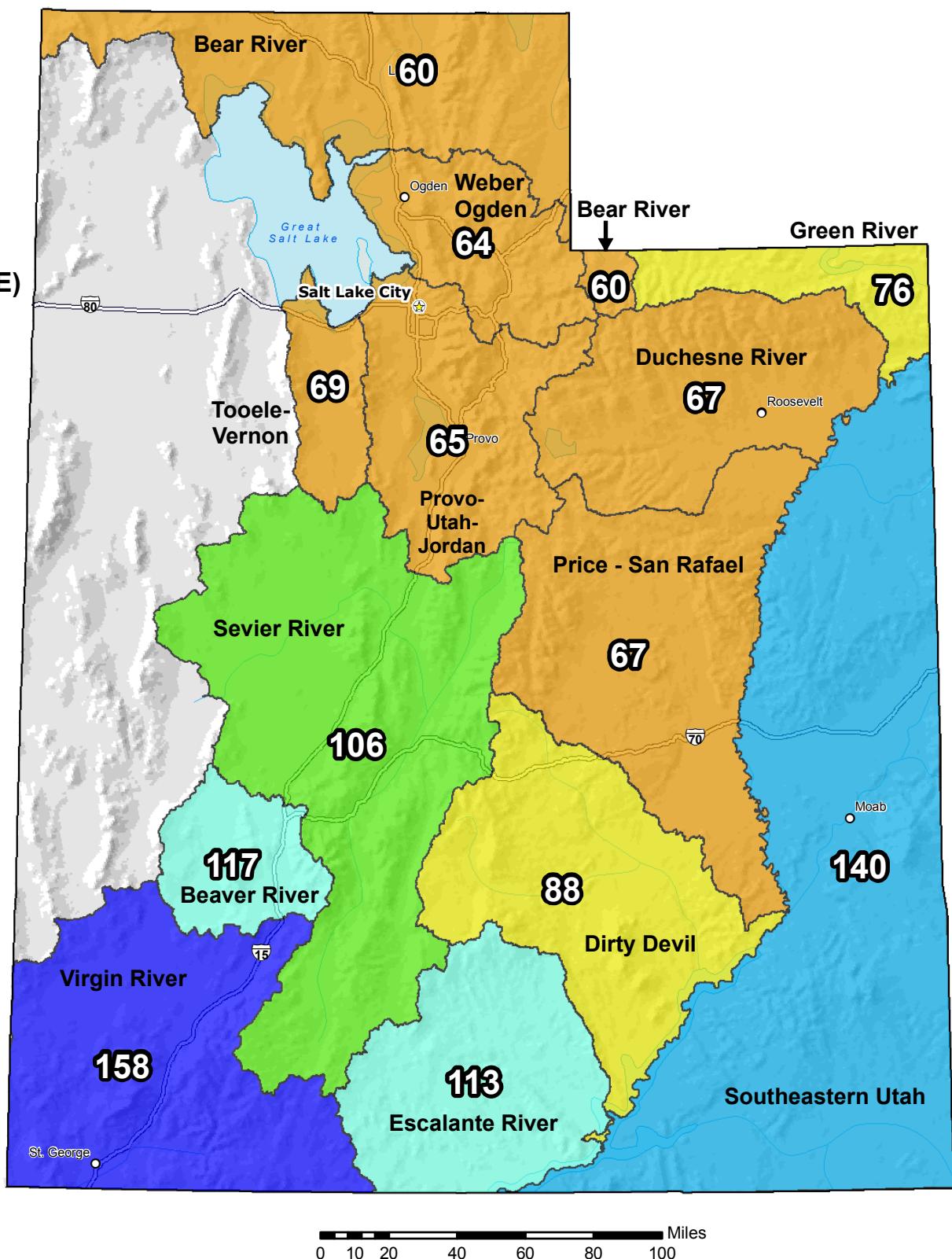
Mar 01, 2010

**Snow Water
Equivalent (SWE)
Basin-wide
Percent of
1971-2000
Normal**



* Data unavailable at time
of posting or measurement
is not representative at this
time of year

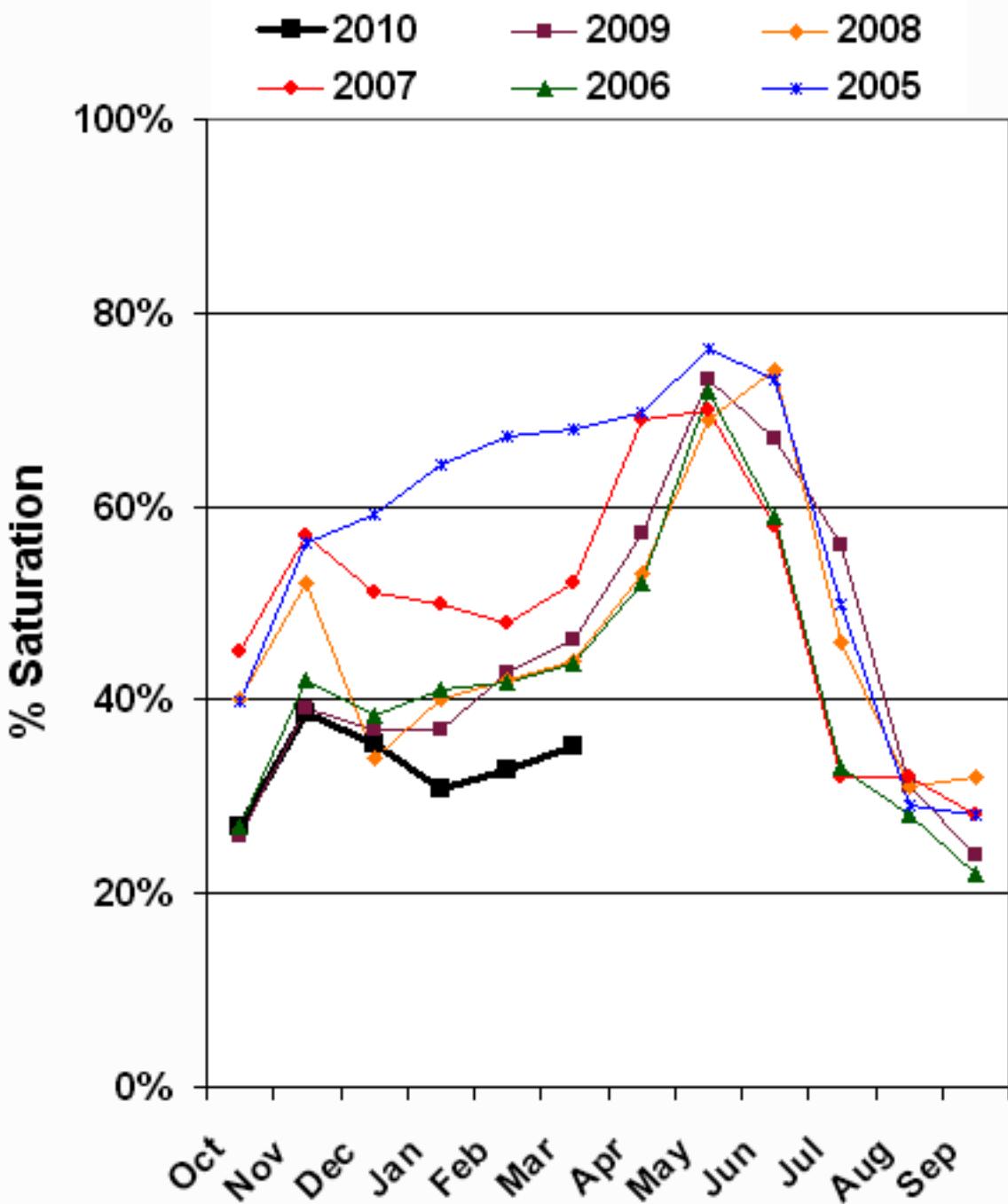
**Provisional Data
Subject to Revision**



The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by the USDA/NRCS National Water and Climate Center
Portland, Oregon <http://www.wcc.nrcs.usda.gov/gis/>
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Statewide Soil Moisture



Surface Water Supply Index

Basin or Region	SWSI	Percentile	Years with Similar SWSI
			March 1, 2010
Bear River	-2.30	22%	33,02,07,09
Ogden River	-0.98	38%	89,91,00,02
Weber River	-0.99	38%	70,81,94,00
Provo	0.78	38%	87,81,91,07
West Uintah Basin	-1.73	29%	90,91,80,76
East Uintah Basin	-0.26	47%	80,82,06,96
Price River	-2.03	26%	89,01,94,07
Joe's Valley	-0.91	39%	94,07,04,01
Ferron Creek	-2.46	21%	81,89,94,88
Moab	1.74	71%	94,97,92,88
Upper Sevier River	-1.11	37%	52,75,79,2009
Lower Sevier River	-0.64	42%	68,89,08,01
Beaver River	-0.17	48%	67,2000,71,68
Virgin River	2.78	80%	06,88,98,95

SWSI Scale: -4 to 4 | Percentile: 0 - 100%

What is a Surface Water Supply Index?

The Surface Water Supply Index (SWSI) is a predictive indicator of total surface water availability within a watershed for the spring and summer water use seasons. The index is calculated by combining pre-runoff reservoir storage (carryover) with forecasts of spring and summer streamflow which are based on current snowpack and other hydrologic variables. SWSI values are scaled from +4.1 (abundant supply) to -4.1 (extremely dry) with a value of zero (0) indicating median water supply as compared to historical analysis. SWSI's are calculated in this fashion to be consistent with other hydroclimatic indicators such as the Palmer Drought Index and the Precipitation index.

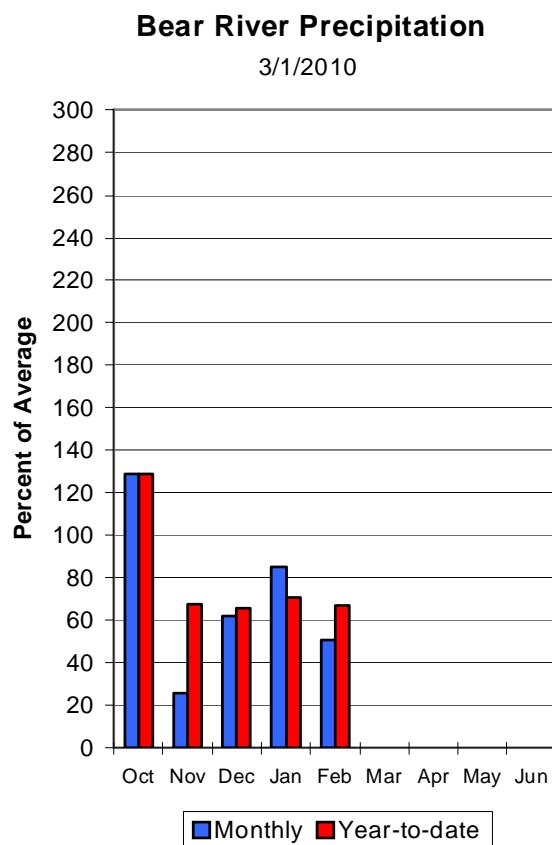
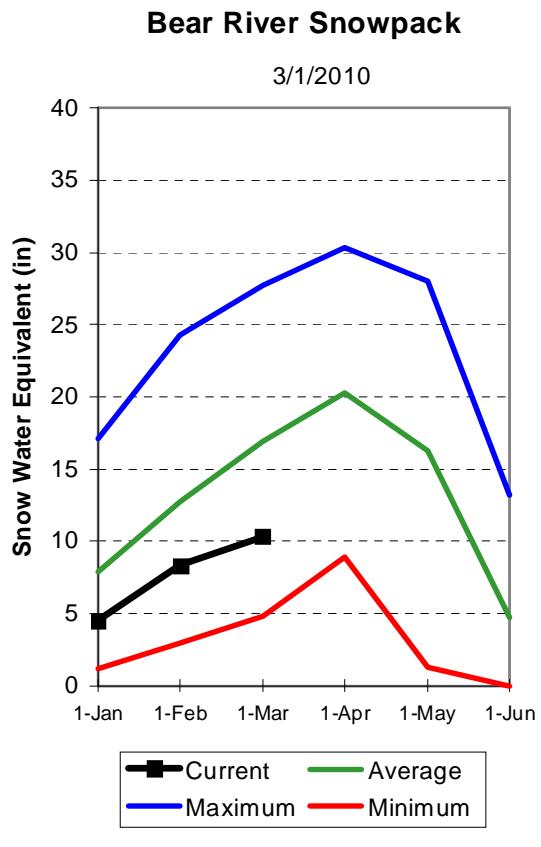
Utah Snow Surveys has also chosen to display the SWSI as a PERCENT CHANCE OF NON-EXCEEDANCE. While this is a cumbersome name, it has the simplest application. It can be best thought of as a scale of 1 to 99 with 1 being the drought of record (driest possible conditions) and 99 being the flood of record (wettest possible conditions) and a value of 50 representing average conditions. This rating scale is a percentile rating as well, for example a SWSI of 75% means that this years water supply is greater than 75% of all historical events and that only 25% of the time has it been exceeded. Conversely a SWSI of 10% means that 90% of historical events have been greater than this one and that only 10% have had less total water supply. This scale is far more intuitive for most people and is totally comparable between basins: a SWSI of 50% means the same relative ranking on watershed A as it does on watershed B, which may not be strictly true of the +4 to -4 scale.

For more information on the SWSI go to: www.ut.nrcs.usda.gov/snow/ on the water supply page. The entire period of historical record for reservoir storage and streamflow is available.

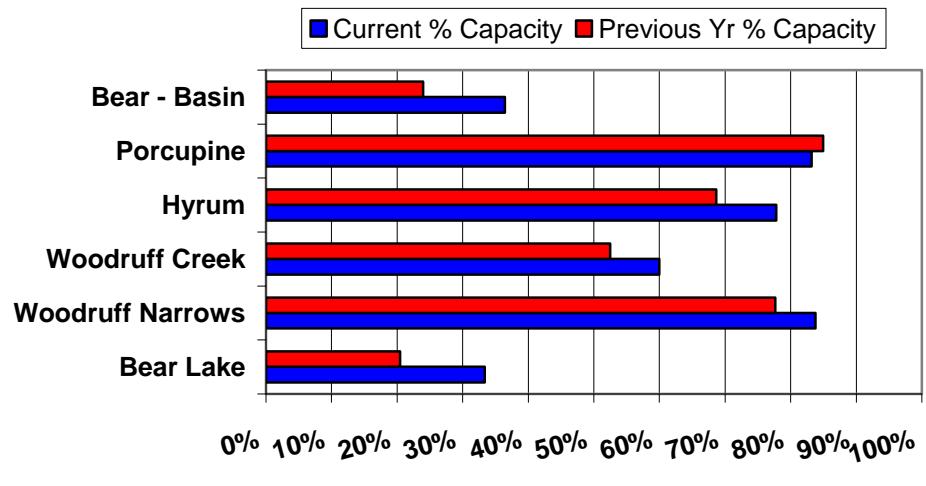
Bear River Basin

March 1, 2010

Snowpacks on the Bear River Basin are much below average at 59% of normal, about 66% of last year. Individual sites range from 44% of average at Bug Lake Snotel to 91% at Tony Grove R.S. snow course. February precipitation was much below average at 51%, which brings the seasonal accumulation (Oct-Feb) to 67% of average. Soil moisture levels in runoff producing areas are at 51% of saturation in the upper 2 feet of soil compared to 56% last year. Forecast streamflows (April-July) are much below average (15%-58%) volumes for this spring and summer. Reservoir storage is low at 36% of capacity, which is up 12% from this time last year. The Surface Water Supply Index is at 22% for the Bear River, in other words, 78% of years have had more total water available. Water supply conditions are much below normal due to poor snowpack conditions and low reservoir storage in Bear Lake.



March Bear River Reservoir Storage



BEAR RIVER BASIN as of March 1, 2010

BEAR RIVER BASIN Streamflow Forecasts - March 1, 2010									
Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>							30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)		
Bear River nr UT-WY State Line	APR-JUL	33	52	65	58	78	97	113	
Bear River ab Reservoir nr Woodruff	APR-JUL	21	49	68	50	87	115	136	
Big Creek nr Randolph	APR-JUL	0.72	1.78	2.50	51	3.20	4.30	4.90	
Smiths Fork nr Border	APR-JUL	26	43	55	53	67	84	103	
Bear River at Stewart Dam	APR-JUL	2.0	14.0	35	15	70	154	234	
Little Bear at Paradise, UT	APR-JUL	1.8	11.2	20	44	29	42	46	
Logan R nr Logan, UT	APR-JUL	28	47	60	48	73	92	126	
Blacksmith Fk Abv Up&L Dam Nr Hyrum	APR-JUL	1.9	13.3	23	48	33	47	48	
Dunn Ck nr Park Valley	APR-JUL	0.28	0.96	1.40	45	2.20	3.90	3.10	

BEAR RIVER BASIN Reservoir Storage (1000 AF) - End of February				BEAR RIVER BASIN Watershed Snowpack Analysis - March 1, 2010					
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of		
	This Year	Last Year	Avg				Last Yr	Average	
BEAR LAKE	1302.0	434.5	266.3	---	BEAR RIVER, UPPER	8	66	59	
HYRUM	15.3	11.9	10.5	11.0	BEAR RIVER, LOWER	9	68	59	
PORCUPINE	11.3	9.4	9.6	5.6	LOGAN RIVER	4	69	61	
WOODRUFF NARROWS	57.3	48.0	44.5	27.6	RAFT RIVER	1	105	89	
WOODRUFF CREEK	4.0	2.4	2.1	---	BEAR RIVER BASIN	17	66	59	

* 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.

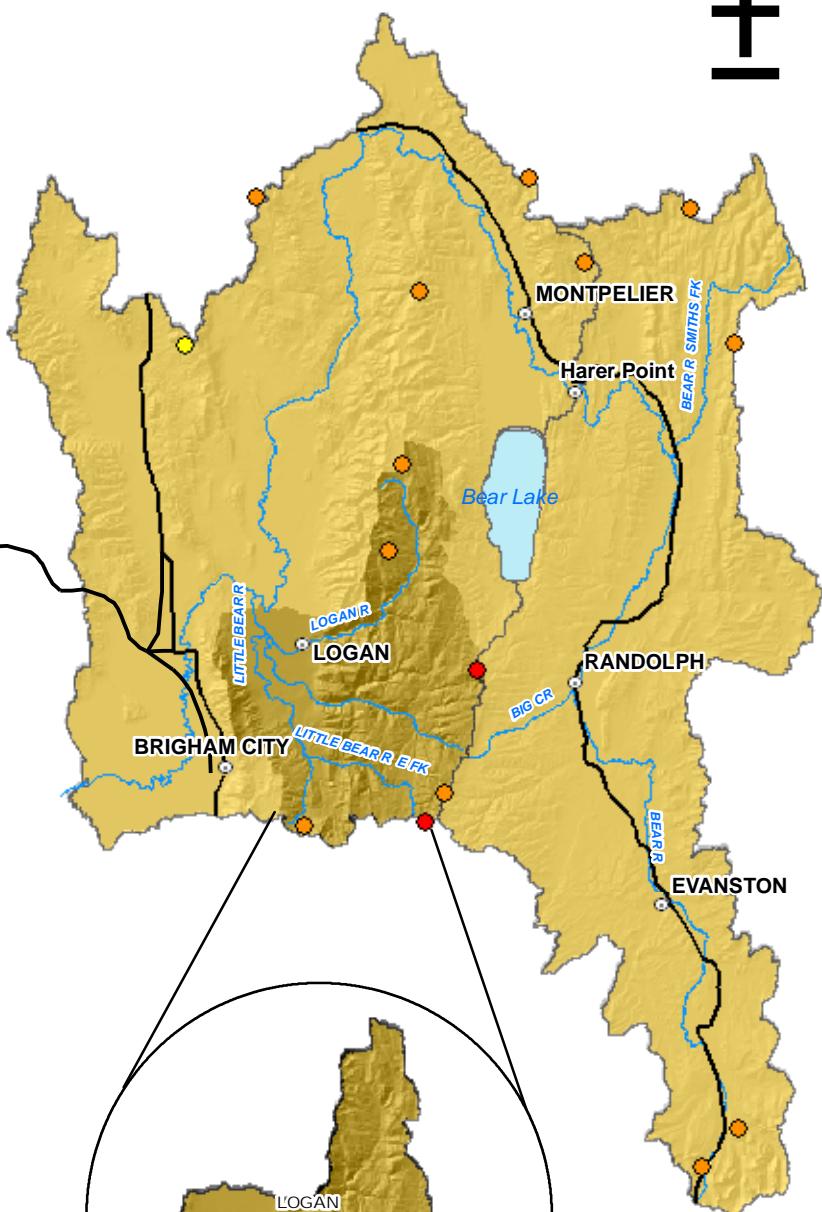
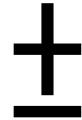
Bear River & Raft River Basins

Basinwide Average

Snotel % of Average

59 %

- < 50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- > 150%



Watershed % of Average

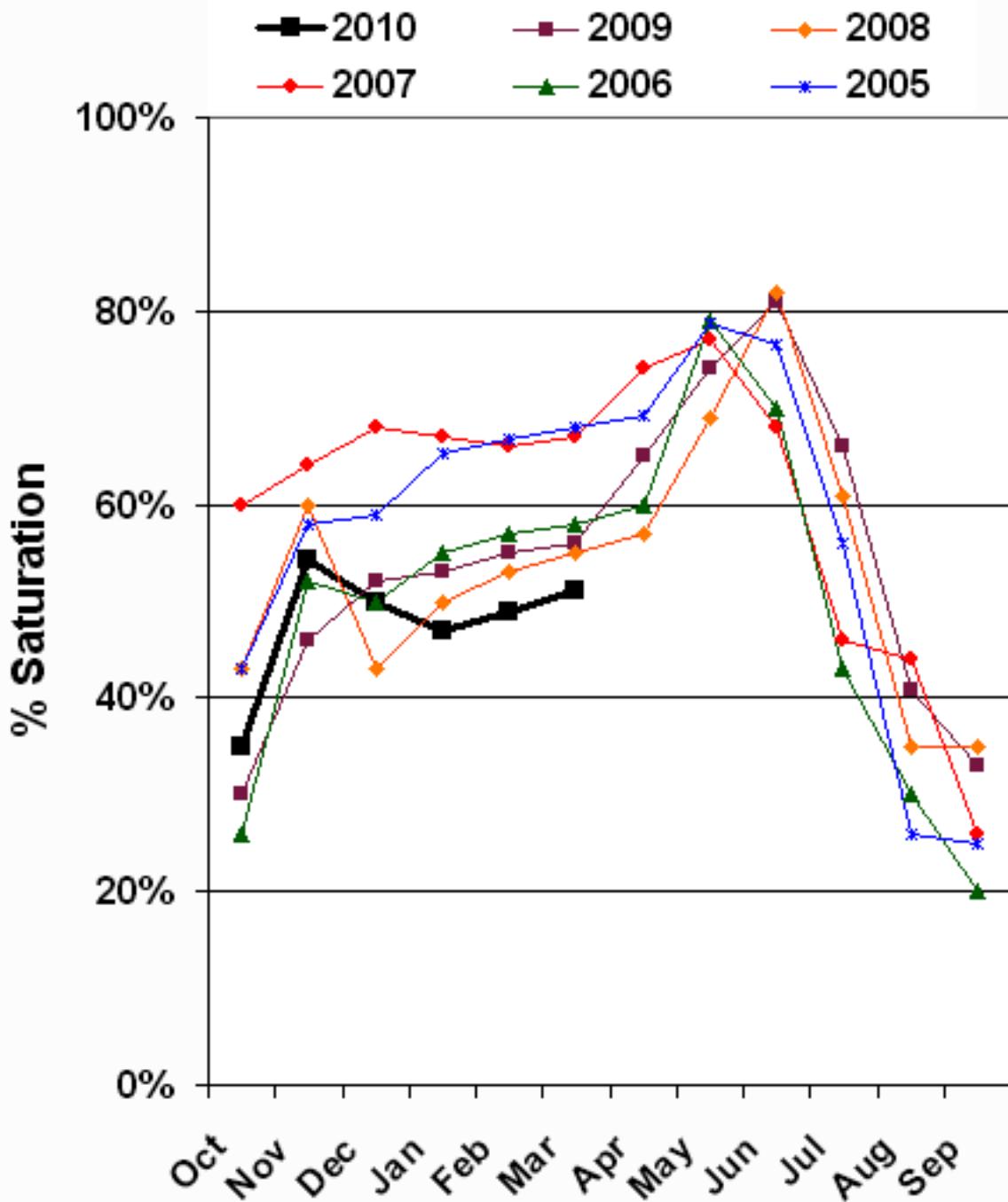
- 0
- <50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- >150%

Provisional Data
Subject to Revision

Miles

0 5 10 15 20 25 30 35 40 45 50

Bear River Soil Moisture



Bear Lake SWSI

March 1

of years

97

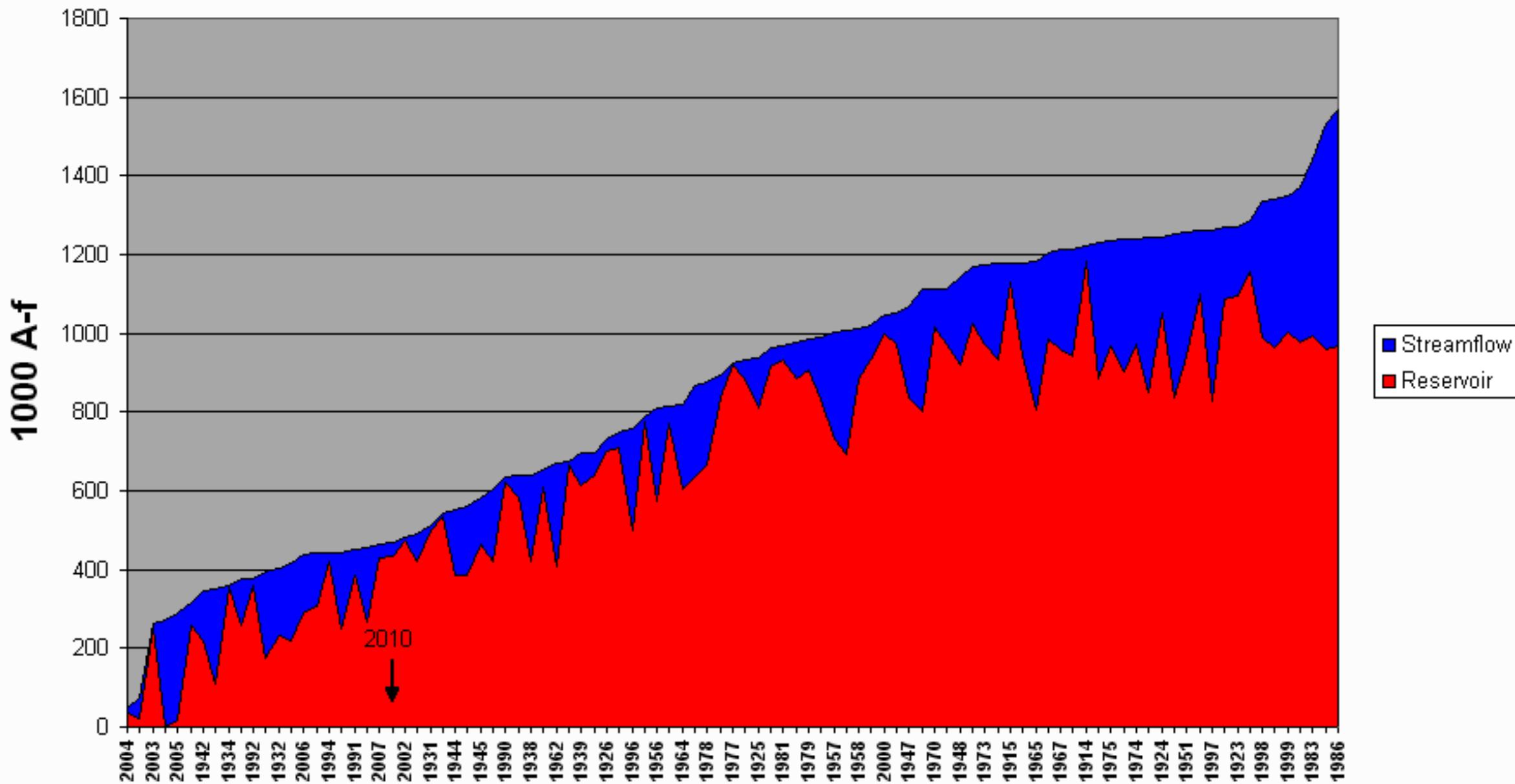
#	Year	EOM		Reservoir + Streamflow	Probability	SWSI
		February Reservoir	Apr-Jul Streamflow			
1	2004	34	15	49	1	-4.08
2	1935	21	52	73	2	-4.00
3	2003	254	10	264	3	-3.91
4	1936	0	272	272	4	-3.83
5	2005	17	270	287	5	-3.74
6	1941	257	57	315	6	-3.66
7	1942	221	126	347	7	-3.57
8	1993	111	240	351	8	-3.49
9	1934	357	3	359	9	-3.40
10	2008	257	119	375	10	-3.32
11	1992	361	16	377	11	-3.23
12	1943	176	219	395	12	-3.15
13	1932	234	170	403	13	-3.06
14	1995	217	200	417	14	-2.98
15	2006	290	147	437	15	-2.89
16	1927	308	133	441	16	-2.81
17	1994	420	21	442	17	-2.72
18	1937	249	194	442	18	-2.64
19	1991	385	64	449	19	-2.55
20	2009	266	190	456	20	-2.47
21	2007	431	31	462	21	-2.38
22	2010	434	35	469	22	-2.30
23	2002	474	8	482	23	-2.21
24	1933	421	72	492	24	-2.13
25	1931	501	11	512	26	-2.04
26	1940	536	5	541	27	-1.96
27	1944	384	167	551	28	-1.87
28	1928	384	177	560	29	-1.79
29	1945	466	119	584	30	-1.70
30	1929	421	183	604	31	-1.62
31	1990	620	13	633	32	-1.53
32	1930	581	58	639	33	-1.45
33	1938	422	219	641	34	-1.36
34	1955	610	45	654	35	-1.28
35	1962	407	265	672	36	-1.19
36	1961	666	7	673	37	-1.11
37	1939	613	82	695	38	-1.02
38	1963	642	57	698	39	-0.94
39	1926	699	31	730	40	-0.85
40	1989	707	43	750	41	-0.77
41	1996	498	262	759	42	-0.68
42	2001	774	16	790	43	-0.60
43	1956	572	237	809	44	-0.51
44	1954	773	40	813	45	-0.43
45	1964	604	213	817	46	-0.34

46	1946	636	229	865	47	-0.26
47	1978	666	212	878	48	-0.17
48	1960	835	59	894	49	-0.09
49	1977	921	5	926	50	0.00
50	1959	885	50	935	51	0.09
51	1925	809	128	937	52	0.17
52	1988	917	47	965	53	0.26
53	1981	934	36	970	54	0.34
54	1953	885	93	978	55	0.43
55	1979	906	79	985	56	0.51
56	1949	832	159	991	57	0.60
57	1957	732	270	1002	58	0.68
58	1920	693	313	1005	59	0.77
59	1958	886	126	1012	60	0.85
60	1987	932	89	1022	61	0.94
61	2000	1001	47	1048	62	1.02
62	1919	971	81	1051	63	1.11
63	1947	839	230	1069	64	1.19
64	1982	802	309	1111	65	1.28
65	1970	1016	97	1112	66	1.36
66	1968	973	139	1113	67	1.45
67	1948	921	221	1142	68	1.53
68	1966	1026	144	1171	69	1.62
69	1973	971	203	1174	70	1.70
70	1976	932	245	1176	71	1.79
71	1915	1132	47	1178	72	1.87
72	1969	947	232	1179	73	1.96
73	1965	807	376	1183	74	2.04
74	1916	984	219	1203	76	2.13
75	1967	957	256	1214	77	2.21
76	1985	942	272	1214	78	2.30
77	1914	1182	41	1224	79	2.38
78	1980	886	344	1230	80	2.47
79	1975	968	268	1236	81	2.55
80	1921	904	335	1239	82	2.64
81	1974	971	270	1241	83	2.72
82	1952	850	393	1243	84	2.81
83	1924	1053	192	1245	85	2.89
84	1950	834	419	1254	86	2.98
85	1951	941	317	1258	87	3.06
86	1917	1099	161	1260	88	3.15
87	1997	826	434	1260	89	3.23
88	1918	1088	181	1269	90	3.32
89	1923	1095	175	1270	91	3.40
90	1922	1158	129	1287	92	3.49
91	1998	991	347	1338	93	3.57
92	1972	962	379	1341	94	3.66
93	1999	1003	346	1350	95	3.74
94	1971	976	397	1373	96	3.83
95	1983	995	445	1440	97	3.91
96	1984	959	573	1532	98	4.00
97	1986	970	598	1568	99	4.08

Bear Lake

Surface Water Supply Index

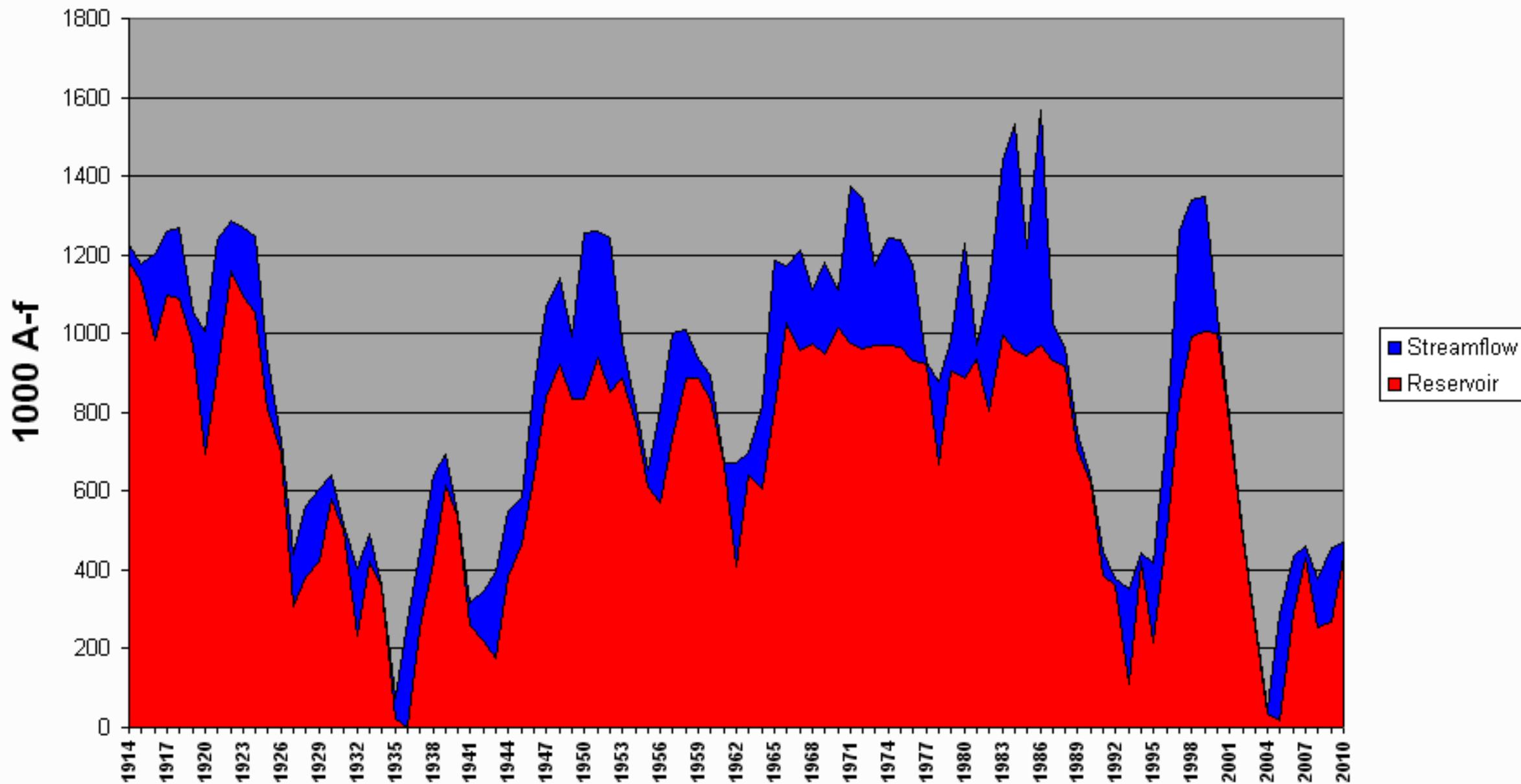
March



Bear Lake

Surface Water Supply Index

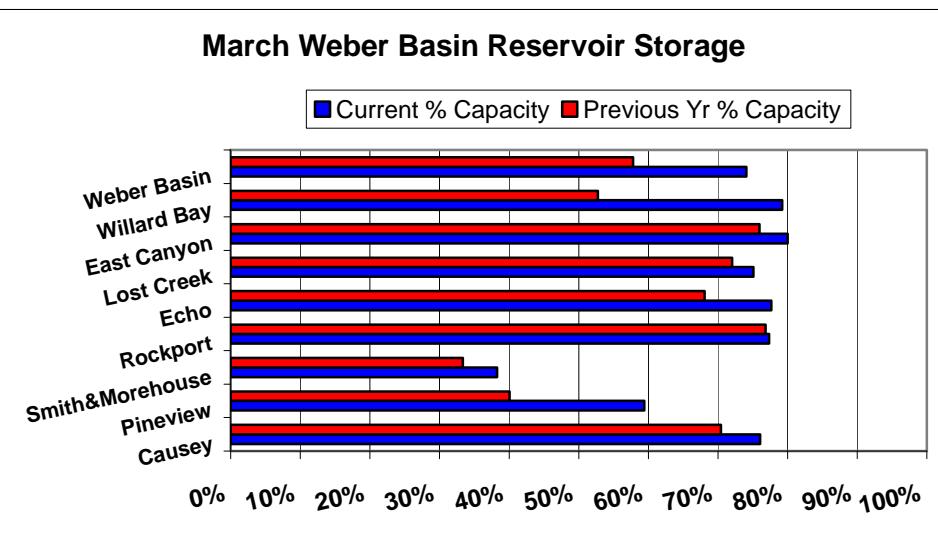
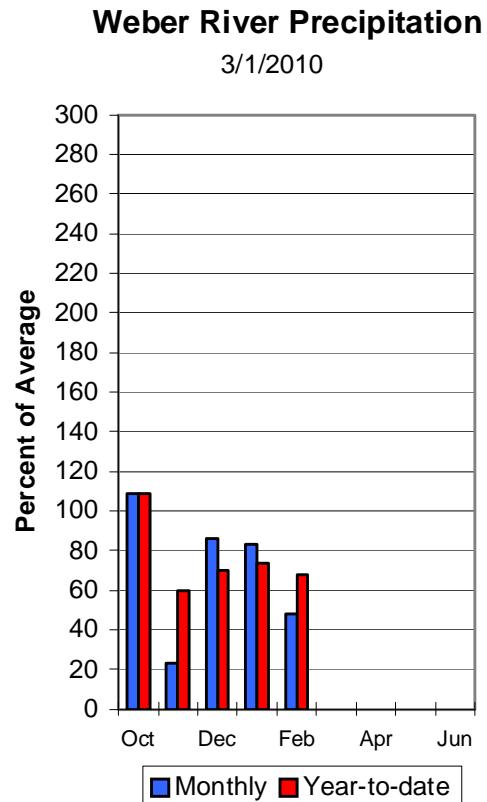
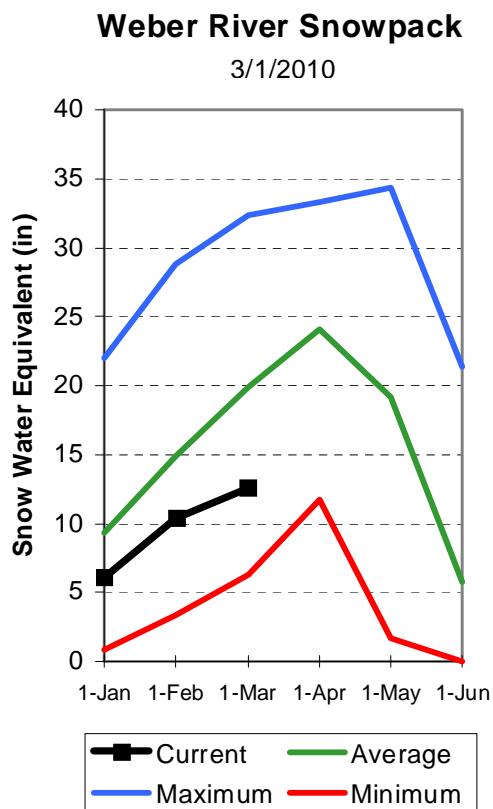
March



Weber and Ogden River Basins

March 1, 2010

Snowpacks on the Weber and Ogden Watersheds are much below average at 63%, about 65% of last year. Individual sites range from 47% of average at Horse Ridge Snotel to 88% at Hardscrabble Snotel. February precipitation was much below average at 48% bringing the seasonal accumulation (Oct-Feb) to 68% of average. Soil moisture levels in runoff producing areas are at 50% of saturation in the upper 2 feet of soil compared to 58% last year. Streamflow forecasts (April-July) range from 89% to 94% of average. Reservoir storage is at 74% of capacity, 16% higher than last year. The Surface Water Supply Index is at 38% for the Weber River and 38% for the Ogden River indicating that overall water supply conditions are below average.



WEBER & OGDEN WATERSHEDS in Utah as of March 1, 2010

WEBER & OGDEN WATERSHEDS in Utah Streamflow Forecasts - March 1, 2010									
Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>						30-Yr Avg. (1000AF)	
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding *		30% (1000AF)	10% (1000AF)		
Smith & Morehouse Res inflow	APR-JUL	10.2	14.9	18.0	53	21	26	34	
Weber R nr Oakley, UT	APR-JUL	41	58	69	56	80	97	123	
Rockport Reservoir	APR-JUL	33	55	70	52	85	107	134	
Weber R nr Coalville, UT	APR-JUL	17.0	44	62	45	80	107	137	
Chalk Creek at Coalville	APR-JUL	2.2	11.4	20	44	29	41	45	
Echo Resv at Echo, UT	APR-JUL	11.0	47	80	45	113	161	179	
Lost Ck Resv Inflow	APR-JUL	0.3	2.0	5.0	28	8.0	12.3	17.6	
East Canyon Ck Nr Jeremy Ranch	APR-JUL	0.6	4.0	6.0	42	12.4	17.8	14.2	
East Canyon Ck Nr Morgan, Ut	APR-JUL	0.9	6.5	13.0	42	19.5	29	31	
Weber R at Gateway, UT	APR-JUL	11.0	67	150	42	235	355	355	
SF Ogden R nr Huntsville, UT	APR-JUL	5.6	18.4	27	42	36	48	64	
Pineview Resv Inflow	APR-JUL	7.0	33	55	41	77	110	133	
Wheeler Ck Nr Huntsville, Ut	APR-JUL	0.25	1.14	2.50	40	3.90	5.90	6.30	
Centerville Ck	APR-JUL	0.03	0.18	0.40	31	0.70	1.20	1.28	
	APR-JUL	0.03	0.18	0.40	31	0.70	1.20	1.28	

WEBER & OGDEN WATERSHEDS in Utah Reservoir Storage (1000 AF) - End of February					WEBER & OGDEN WATERSHEDS in Utah Watershed Snowpack Analysis - March 1, 2010				
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr Average		
	This Year	Last Year	Avg						
CAUSEY	7.1	5.4	5.0	2.6	OGDEN RIVER	4	65	63	
EAST CANYON	49.5	39.6	37.6	35.4	WEBER RIVER	9	64	63	
ECHO	73.9	57.4	50.3	51.0	WEBER & OGDEN WATERSHEDS	13	64	63	
LOST CREEK	22.5	16.9	16.2	13.9					
PINEVIEW	110.1	65.4	44.1	52.6					
ROCKPORT	60.9	47.1	46.8	33.2					
WILLARD BAY	215.0	170.3	105.0	154.9					

* 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.

Weber & Ogden Basins



Watershed % of Average Snotel % of Average



0



<50%



50 - 69%



70 - 89%



90 - 109%



110 - 129%



130 - 149%



>150%

● < 50%

● 50 - 69%

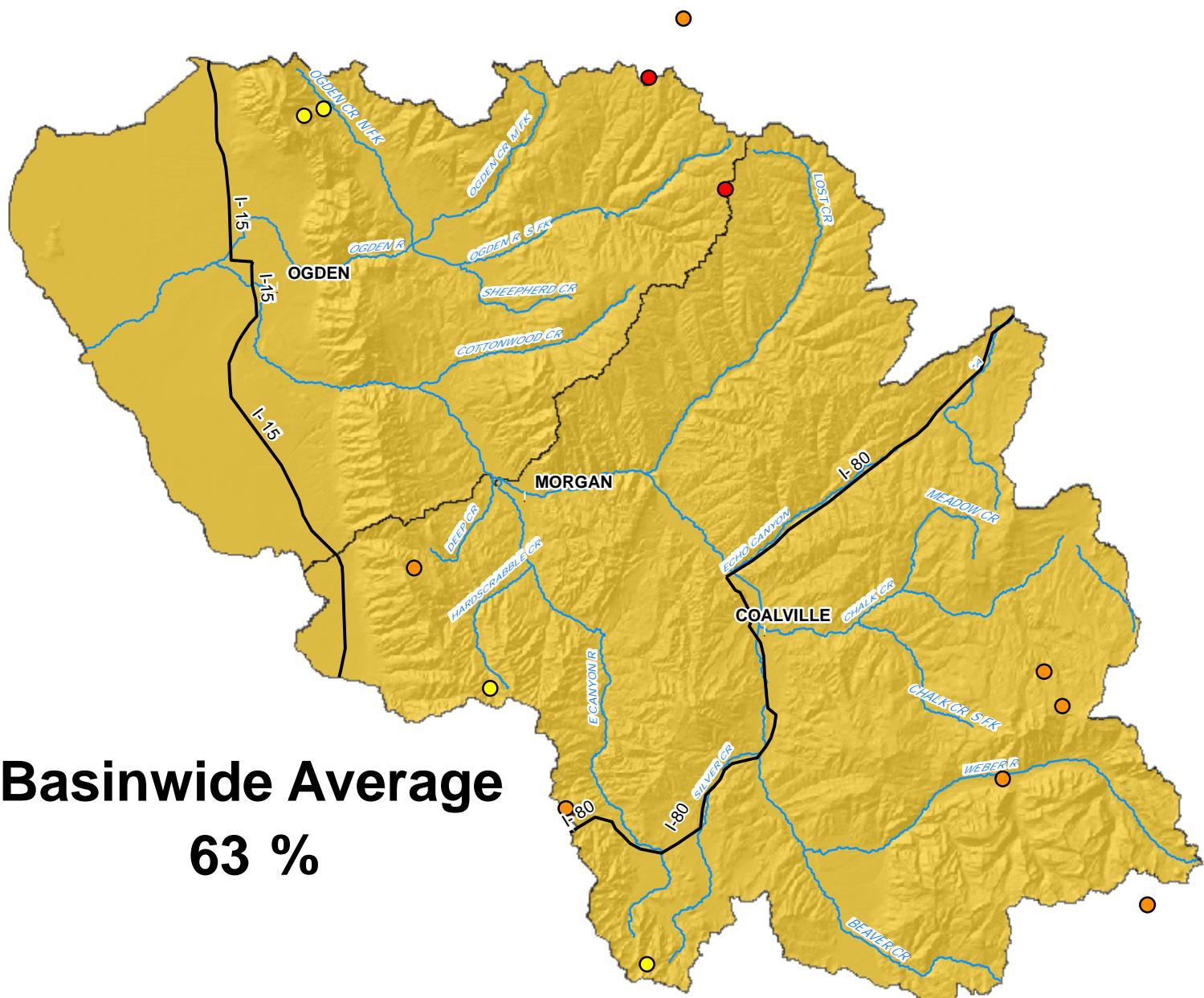
● 70 - 89%

● 90 - 109%

● 110 - 129%

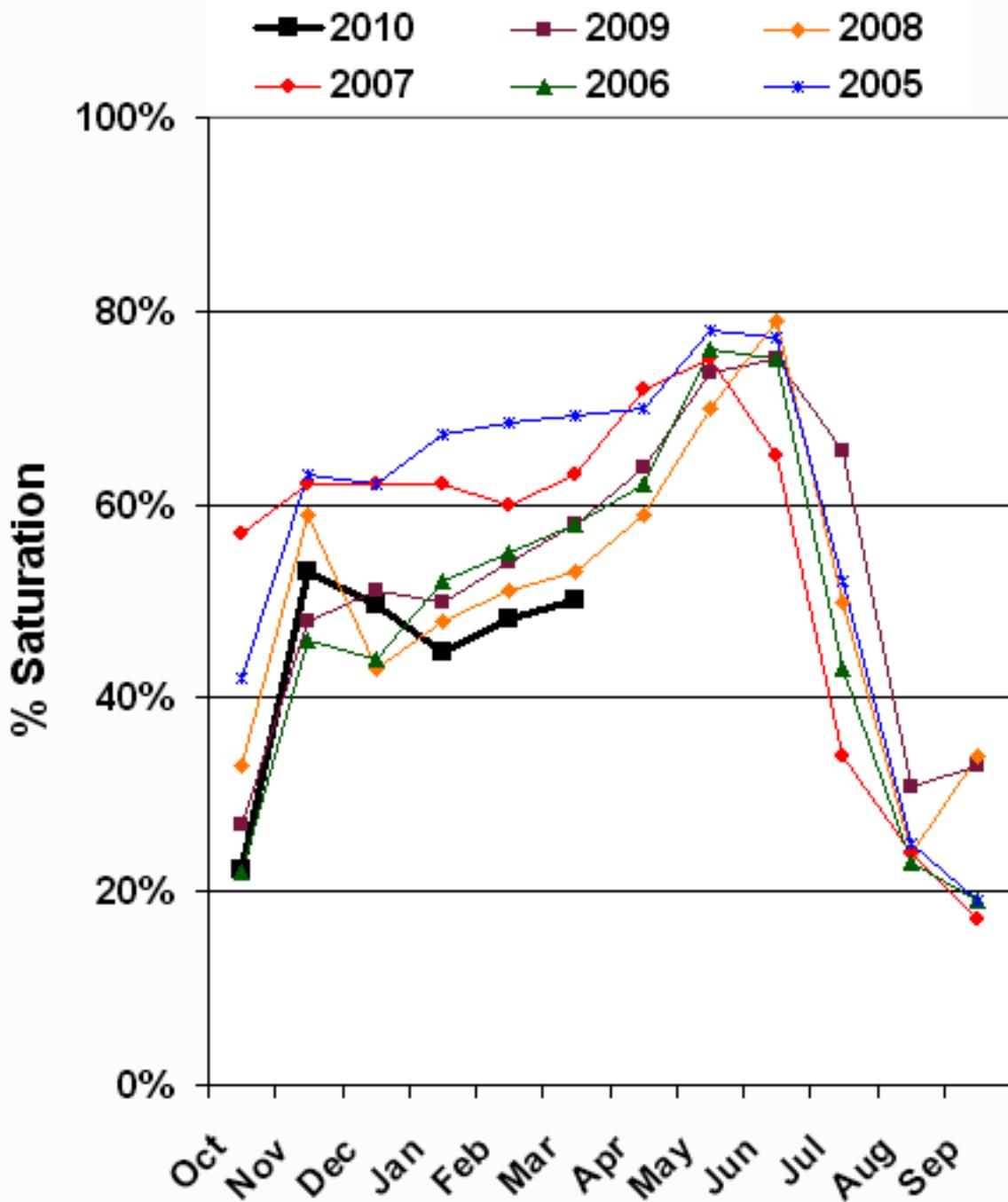
● 130 - 149%

● > 150%



Provisional Data
Subject to Revision

Weber River Soil Moisture



Weber SWSI

March 1

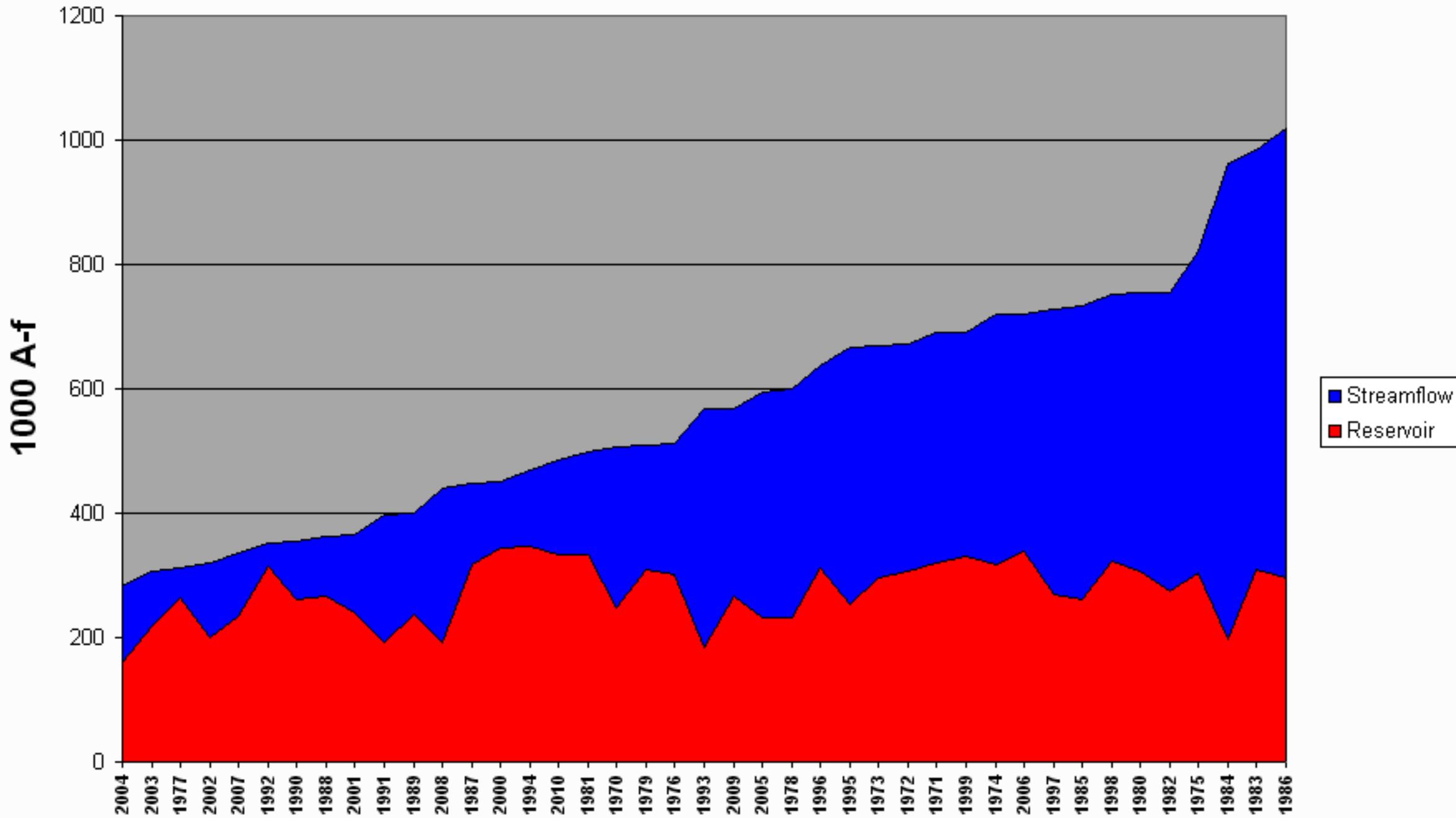
of years

41

#	Year	EOM		Reservoir + Streamflow	Probability	SWSI
		February Reservoir	Apr-Jul Streamflow			
1	2004	161	122	283	2	-3.97
2	2003	219	89	307	5	-3.77
3	1977	264	47	312	7	-3.57
4	2002	199	121	320	10	-3.37
5	2007	236	99	335	12	-3.17
6	1992	314	38	352	14	-2.98
7	1990	260	94	355	17	-2.78
8	1988	266	95	361	19	-2.58
9	2001	240	125	365	21	-2.38
10	1991	193	204	397	24	-2.18
11	1989	236	163	399	26	-1.98
12	2008	191	250	441	29	-1.79
13	1987	318	131	449	31	-1.59
14	2000	345	107	451	33	-1.39
15	1994	347	122	469	36	-1.19
16	2010	334	150	484	38	-0.99
17	1981	334	166	500	40	-0.79
18	1970	249	257	506	43	-0.60
19	1979	311	199	509	45	-0.40
20	1976	302	209	511	48	-0.20
21	1993	184	383	567	50	0.00
22	2009	267	300	567	52	0.20
23	2005	232	362	594	55	0.40
24	1978	231	370	601	57	0.60
25	1996	312	325	637	60	0.79
26	1995	254	413	667	62	0.99
27	1973	296	372	668	64	1.19
28	1972	306	366	672	67	1.39
29	1971	321	370	691	69	1.59
30	1999	329	362	692	71	1.79
31	1974	316	403	719	74	1.98
32	2006	339	382	721	76	2.18
33	1997	269	460	729	79	2.38
34	1985	262	471	733	81	2.58
35	1998	324	428	752	83	2.78
36	1980	308	446	754	86	2.98
37	1982	274	481	755	88	3.17
38	1975	303	519	822	90	3.37
39	1984	198	764	962	93	3.57
40	1983	309	674	983	95	3.77
41	1986	295	723	1018	98	3.97

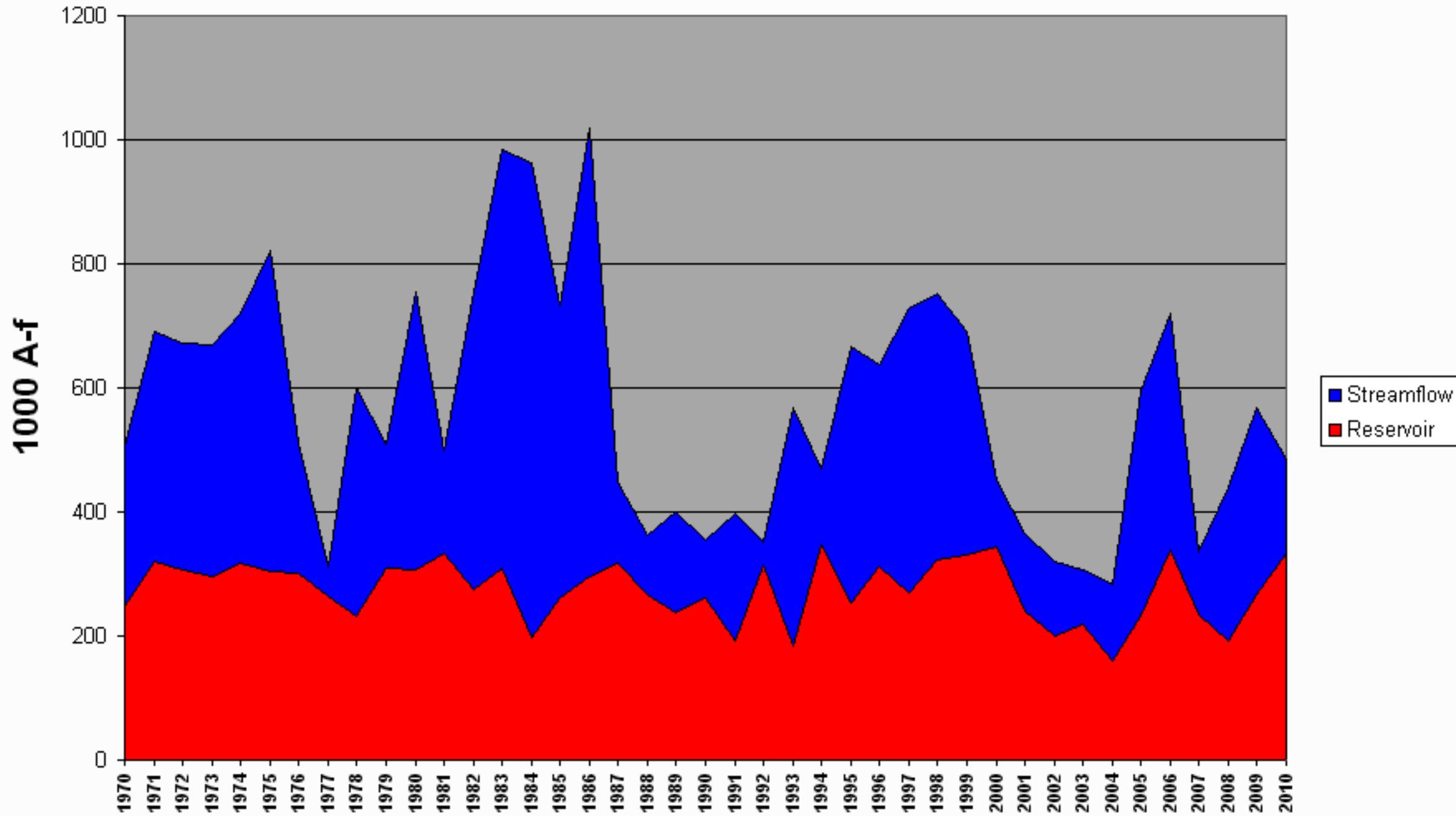
Weber River Surface Water Supply Index

March



Weber River Surface Water Supply Index

March



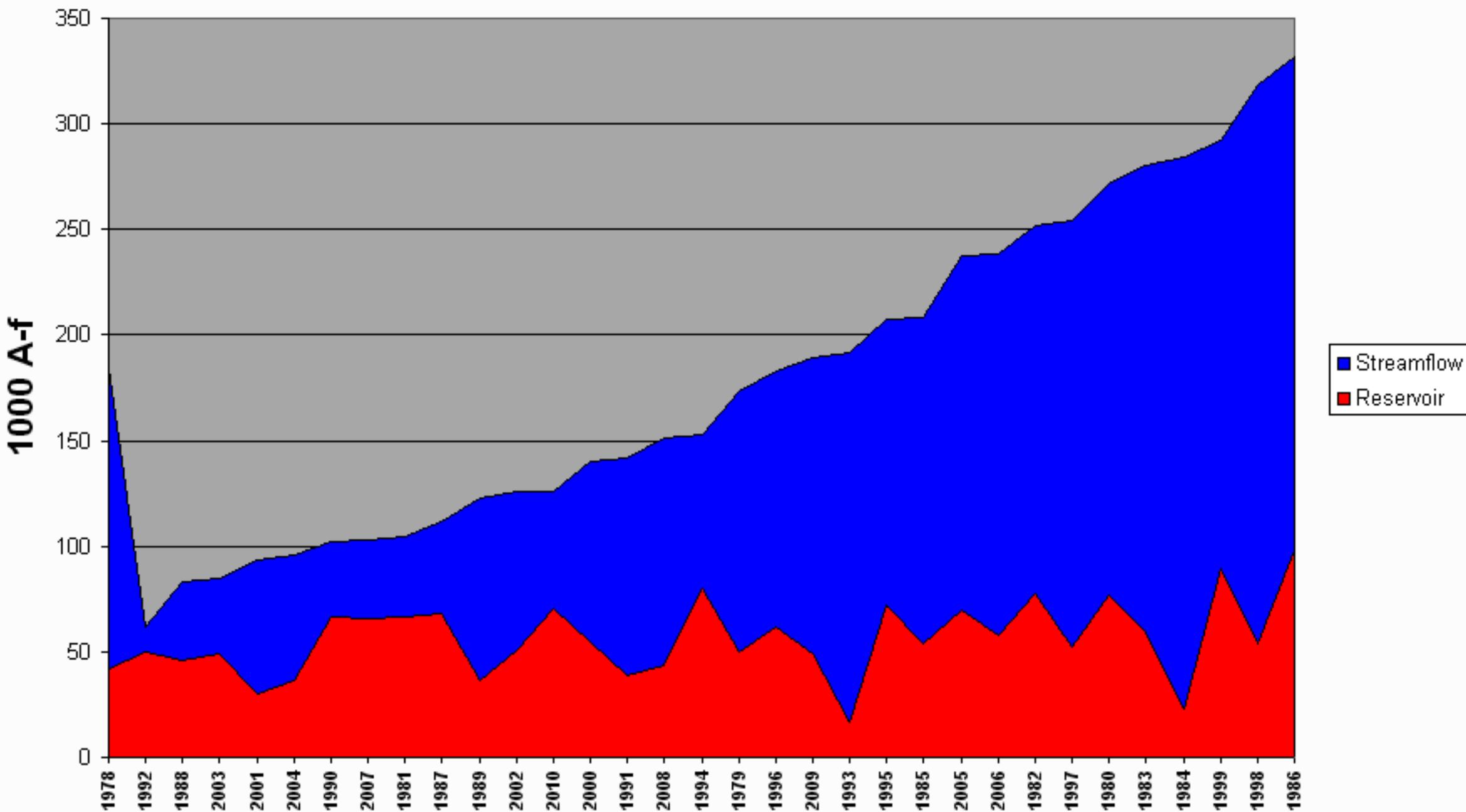
Ogden SWSI

March 1

#	Year	EOM		Reservoir + Streamflow	Probability	SWSI
		February Reservoir	Apr-Jul Streamflow			
1	1978	42	142	185	3	-3.92
2	1992	50	12	61	6	-3.68
3	1988	46	37	83	9	-3.43
4	2003	49	36	85	12	-3.19
5	2001	30	63	93	15	-2.94
6	2004	37	59	96	18	-2.70
7	1990	67	36	102	21	-2.45
8	2007	66	37	103	24	-2.21
9	1981	66	38	105	26	-1.96
10	1987	68	43	112	29	-1.72
11	1989	36	87	123	32	-1.47
12	2002	51	75	126	35	-1.23
13	2010	71	55	126	38	-0.98
14	2000	55	85	140	41	-0.74
15	1991	39	103	142	44	-0.49
16	2008	44	108	152	47	-0.25
17	1994	80	73	153	50	0.00
18	1979	50	124	174	53	0.25
19	1996	62	121	183	56	0.49
20	2009	49	140	189	59	0.74
21	1993	17	175	192	62	0.98
22	1995	72	135	208	65	1.23
23	1985	54	154	208	68	1.47
24	2005	70	167	237	71	1.72
25	2006	58	180	238	74	1.96
26	1982	77	174	252	76	2.21
27	1997	53	202	254	79	2.45
28	1980	77	195	272	82	2.70
29	1983	60	221	280	85	2.94
30	1984	23	261	284	88	3.19
31	1999	89	203	292	91	3.43
32	1998	54	264	318	94	3.68
33	1986	98	233	332	97	3.92

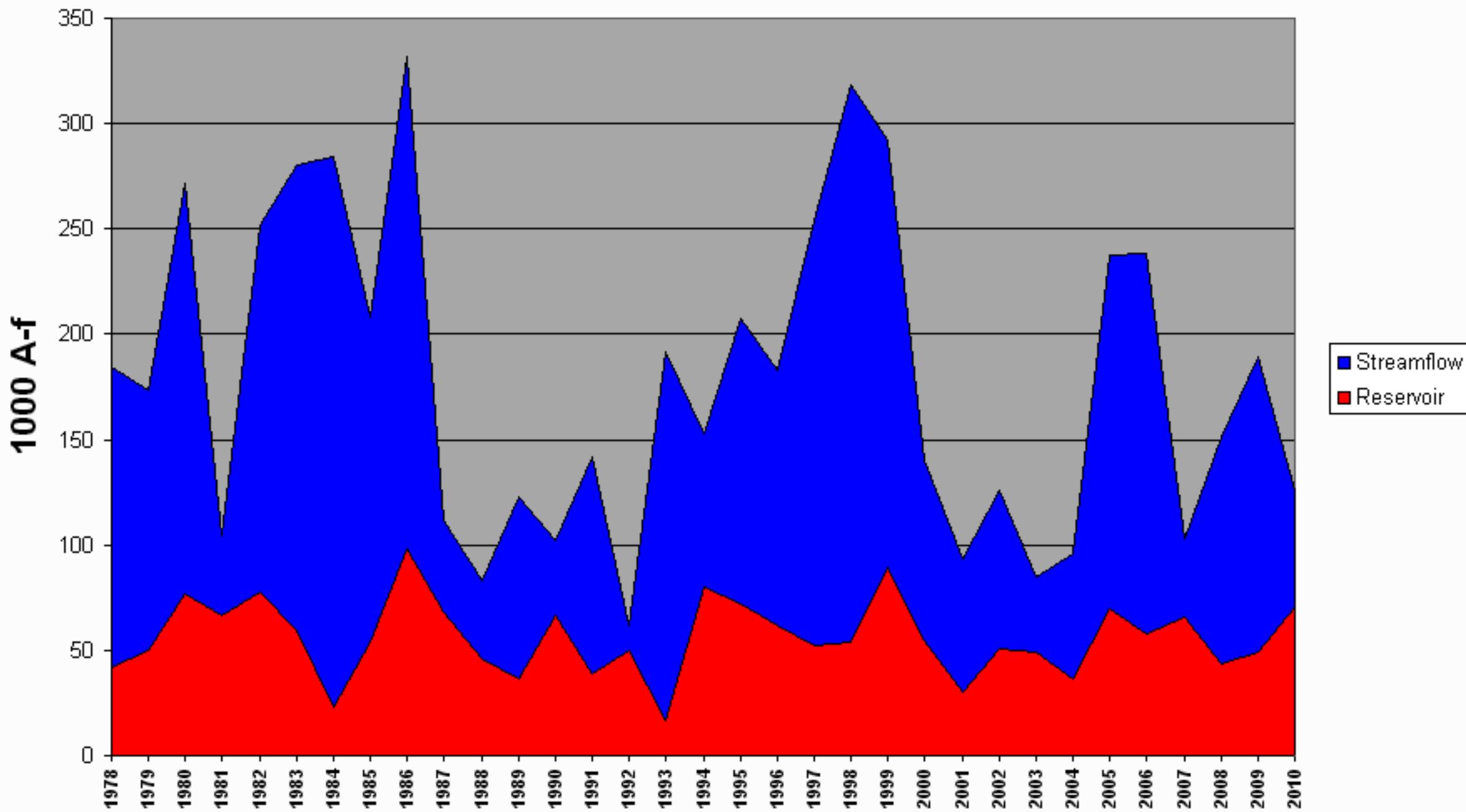
Ogden

March Surface Water Supply Index



Ogden

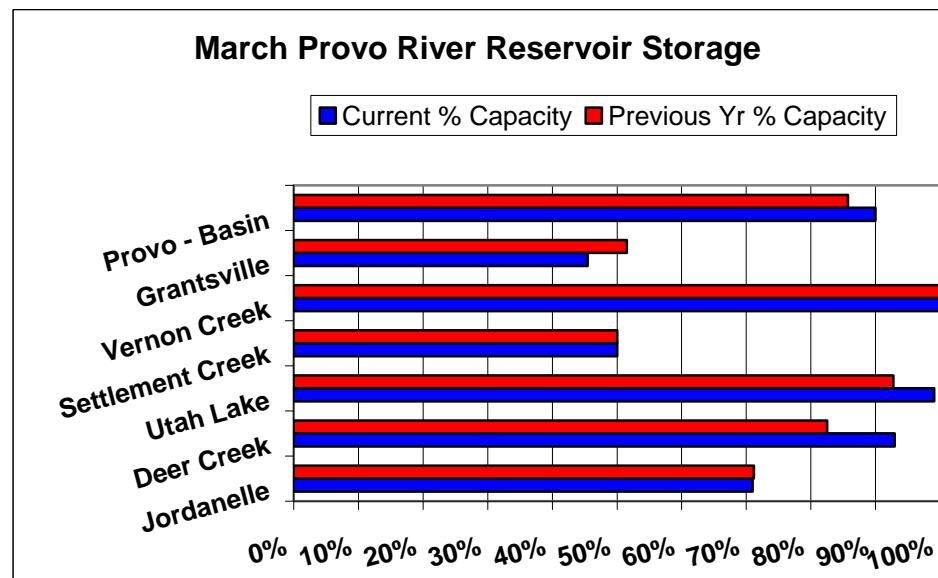
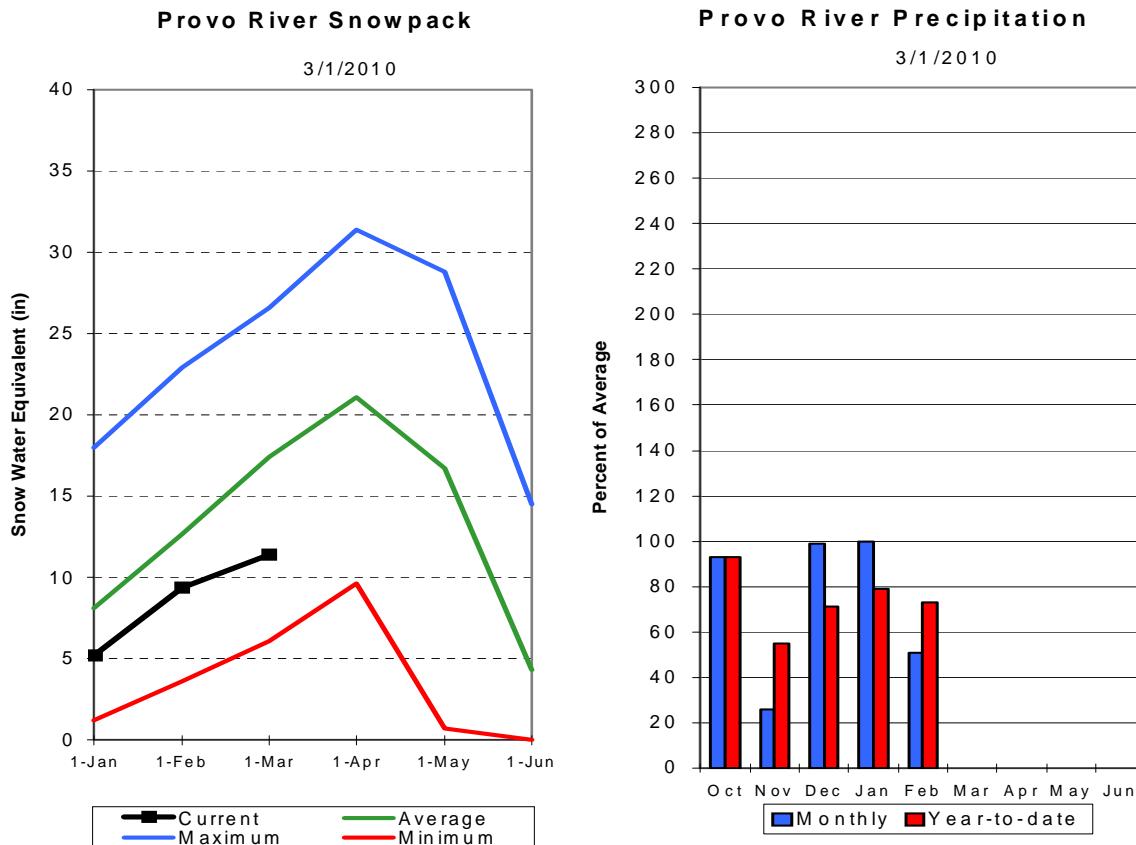
March Surface Water Supply Index



Utah Lake, Jordan River & Tooele Valley Basins

March 1, 2010

Snowpack over these basins are much below average at 66%, which is 70% of last year. Individual sites range from 50% at Daniels-Strawberry Snotel, to 86% of average at the Hidden Springs Snow Course. February precipitation was much below average at 51%, bringing the seasonal accumulation (Oct-Feb) to 73% of average. Average soil moisture in runoff producing areas is estimated at 32% of saturation in the upper 2 feet of soil compared to 46% at this time last year. Reservoir storage is at 90% of capacity, 4% higher than last year. Streamflow forecasts (Apr-July) range from 42% to 68% of average. The Surface Water Supply Index below Deer Creek reservoir is 38%, indicating general water supply conditions are below normal.



UTAH LAKE, JORDAN RIVER & TOOKELE VALLEY as of March 1, 2010

UTAH LAKE, JORDAN RIVER & TOOKELE VALLEY Streamflow Forecasts - March 1, 2010								
Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>						
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Salt Ck At Nephi, Ut	APR-JUL	0.28	1.62	5.00	53	8.40	13.40	9.40
Spanish Fk at Castilla, UT	APR-JUL	1.5	12.0	43	56	70	99	77
Provo River nr Woodland	APR-JUL	36	52	65	63	79	102	103
Provo River nr Hailstone	APR-JUL	36	54	68	62	84	110	109
Provo R blw Deer Ck Dam, UT	APR-JUL	28	51	66	52	81	104	126
American Fk abv Upper Powerplant	APR-JUL	3.1	10.8	16.0	50	21	29	32
Utah Lake inflow	APR-JUL	6.0	68	155	48	230	490	325
West Canyon Ck Nr Cedar Fort	APR-JUL	0.12	0.59	1.00	42	1.41	2.00	2.40
Little Cottonwood Ck nr SLC	APR-JUL	18.2	23	27	68	31	38	40
Big Cottonwood Ck nr SLC, UT	APR-JUL	10.8	18.1	23	61	28	35	38
Mill Ck nr SLC, UT	APR-JUL	0.1	2.10	3.60	51	5.10	7.40	7.00
Parleys Ck nr SLC, UT	APR-JUL	0.5	4.5	8.0	48	11.5	16.7	16.7
Dell Fork nr SLC, UT	APR-JUL	0.14	1.50	3.00	44	5.60	7.80	6.80
Emigration Ck nr SLC, UT	APR-JUL	0.04	0.67	2.00	44	2.80	4.00	4.50
City Ck nr SLC, UT	APR-JUL	0.22	2.80	4.60	53	6.40	9.00	8.70
Vernon Creek nr Vernon	APR-JUL	0.03	0.47	0.80	54	1.12	1.39	1.48
Settlement Creek Abv Resv Nr Tooel, APR-JUL	APR-JUL	0.04	0.76	1.30	62	1.85	2.30	2.10
South Willow Ck nr Grantsville, UT	APR-JUL	0.57	1.48	2.10	65	2.70	3.60	3.23

UTAH LAKE, JORDAN RIVER & TOOKELE VALLEY Reservoir Storage (1000 AF) - End of February				UTAH LAKE, JORDAN RIVER & TOOKELE VALLEY Watershed Snowpack Analysis - March 1, 2010			
Reservoir	Usable Capacity	*** Usable Storage ***	Watershed	Number of Data Sites	This Year as % of Last Yr	This Year as % of Average	
DEER CREEK	149.7	139.2	PROVO RIVER & UTAH LAKE	7	67	61	
GRANTSVILLE	3.3	1.5	PROVO RIVER	4	65	62	
SETTLEMENT CREEK	1.0	0.5	JORDAN RIVER & GSL	6	71	69	
STRAWBERRY-ENLARGED	1105.9	974.4	TOOKELE & RUSH VALLEY WATE	3	76	69	
UTAH LAKE	870.9	862.9	UTAH LAKE/JORDAN R./TOOEL	16	70	66	
VERNON CREEK	0.6	0.6					

* 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.

Utah Lake, Jordan River & Tooele Valley

Watershed % of Average Snotel % of Average

0

<50%

50 - 69%

70 - 89%

90 - 109%

110 - 129%

130 - 149%

>150%

< 50%

50 - 69%

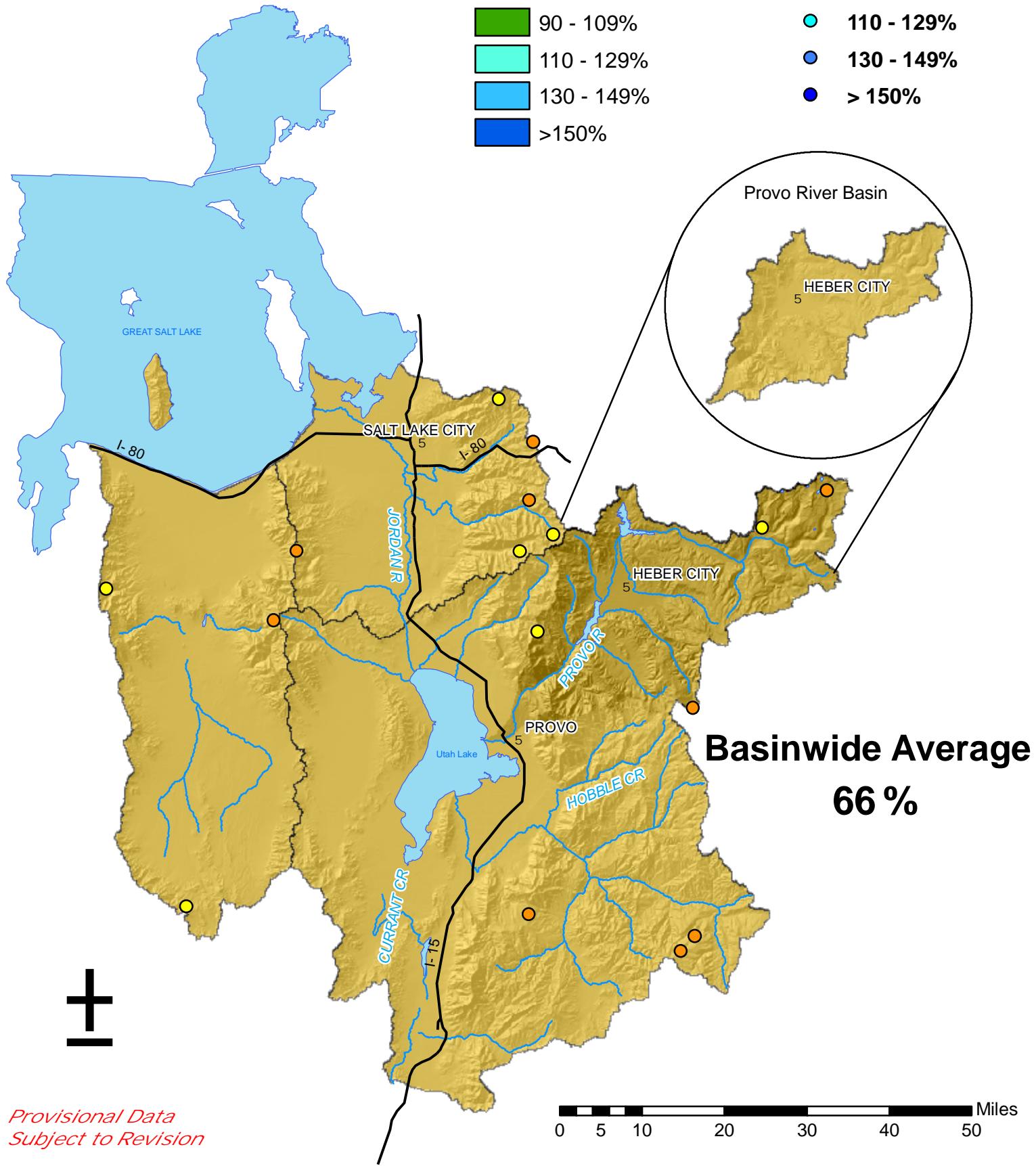
70 - 89%

90 - 109%

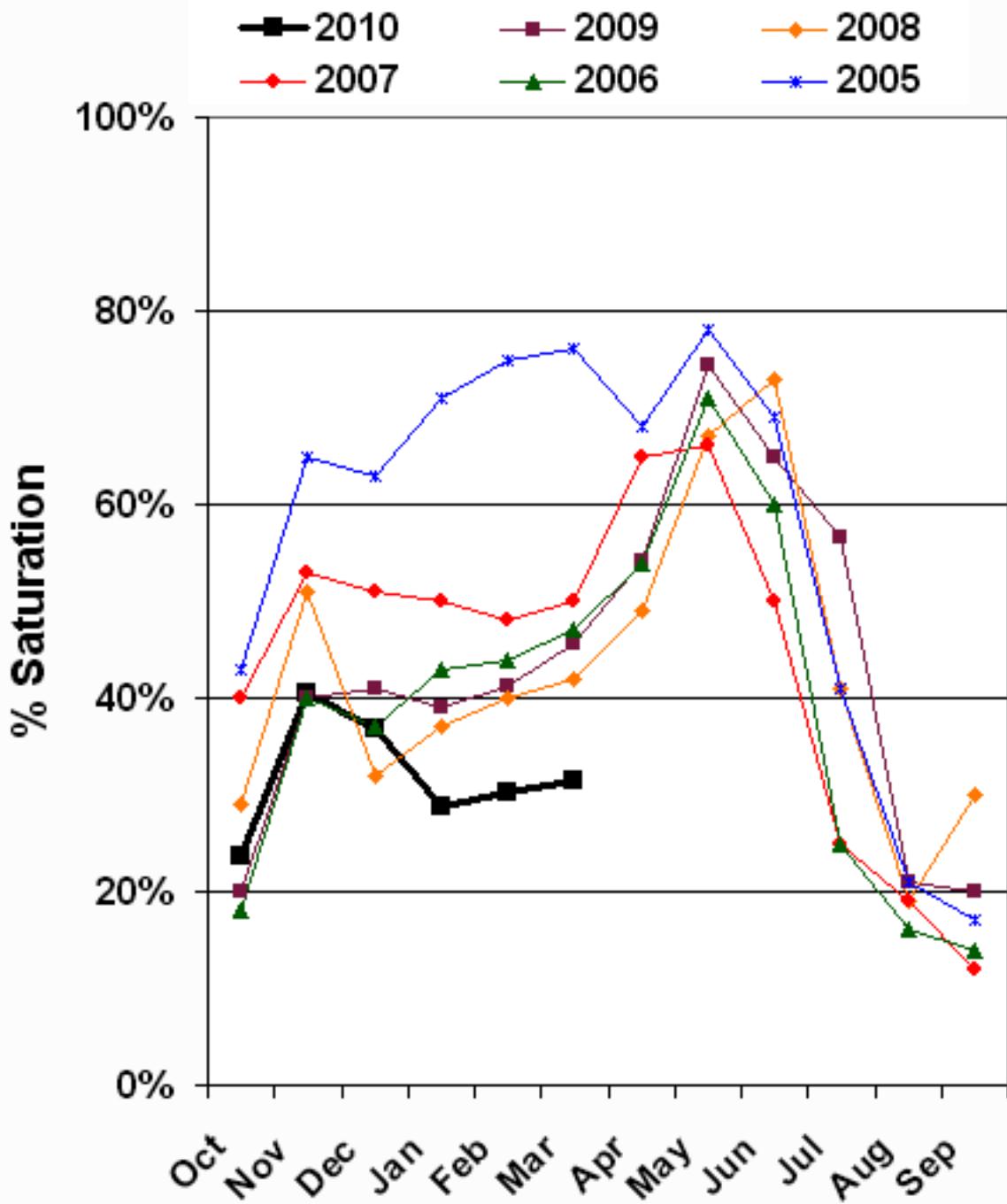
110 - 129%

130 - 149%

> 150%



Jordan/Provo River Soil Moisture

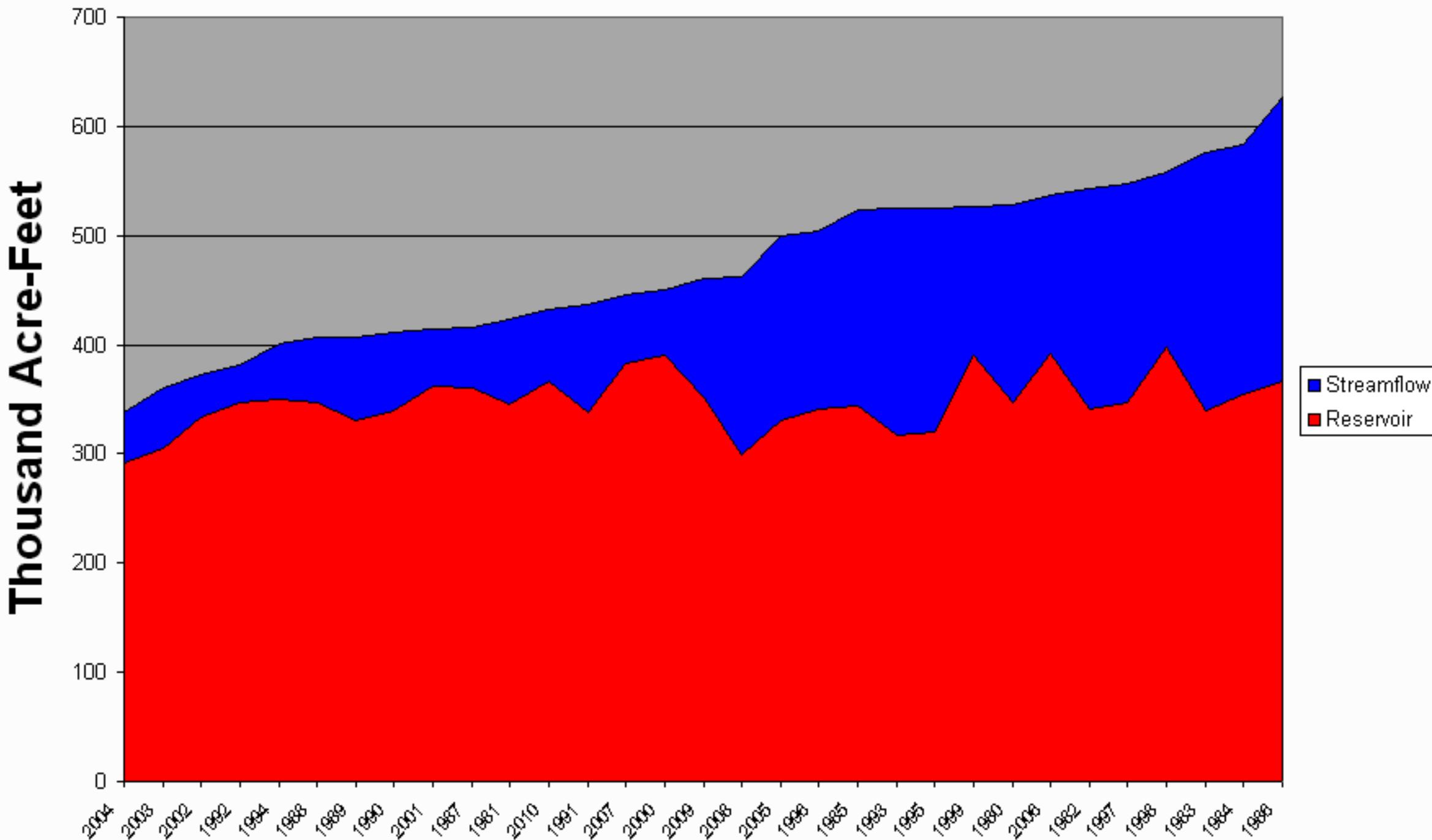


March

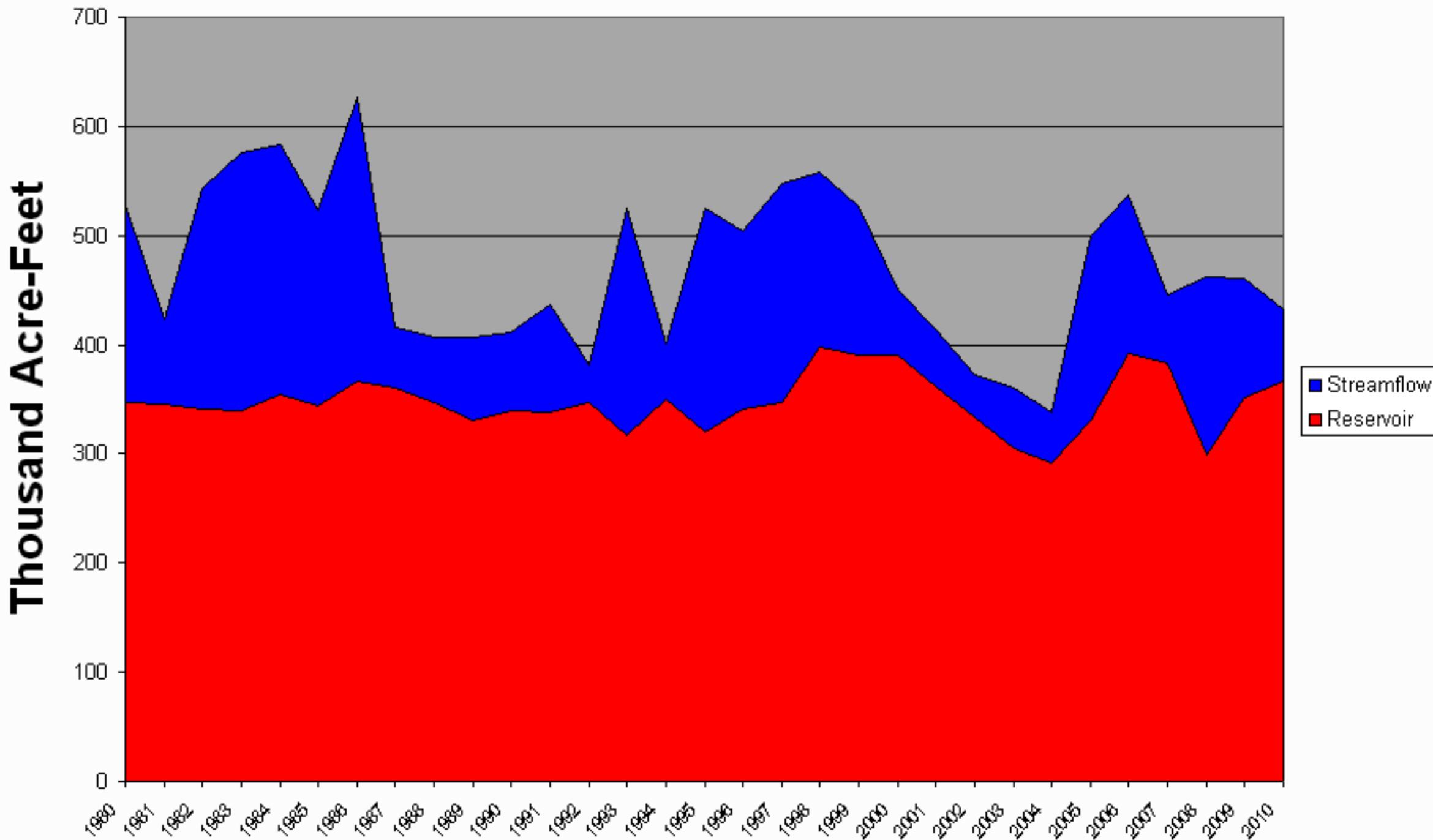
Provo River SWSI @ inflow of Deer Creek - BOR data

#	WY	February Reservoir Storage	April - July Predicted Streamflow	# of years + EOM Storage	31	
					Streamflow	Non-Exceedance Probability
1	2004	291	47	338	3%	-3.91
2	2003	306	55	360	6%	-3.65
3	2002	333	39	372	9%	-3.39
4	1992	347	35	381	13%	-3.13
5	1994	350	51	401	16%	-2.86
6	1988	348	59	407	19%	-2.60
7	1989	331	76	407	22%	-2.34
8	1990	339	72	411	25%	-2.08
9	2001	362	52	415	28%	-1.82
10	1987	361	56	417	31%	-1.56
11	1981	346	77	423	34%	-1.30
12	2010	366	66	432	38%	-1.04
13	1991	338	99	437	41%	-0.78
14	2007	383	63	446	44%	-0.52
15	2000	390	60	450	47%	-0.26
16	2009	351	110	461	50%	0.00
17	2008	299	164	462	53%	0.26
18	2005	331	169	500	56%	0.52
19	1996	341	163	504	59%	0.78
20	1985	344	180	524	63%	1.04
21	1993	317	208	524	66%	1.30
22	1995	320	206	526	69%	1.56
23	1999	390	136	527	72%	1.82
24	1980	347	180	527	75%	2.08
25	2006	391	145	537	78%	2.34
26	1982	340	203	543	81%	2.60
27	1997	347	199	547	84%	2.86
28	1998	398	160	558	88%	3.13
29	1983	340	237	577	91%	3.39
30	1984	354	229	583	94%	3.65
31	1986	366	260	626	97%	3.91

Provo River SWSI @ Deer Creek Inflow



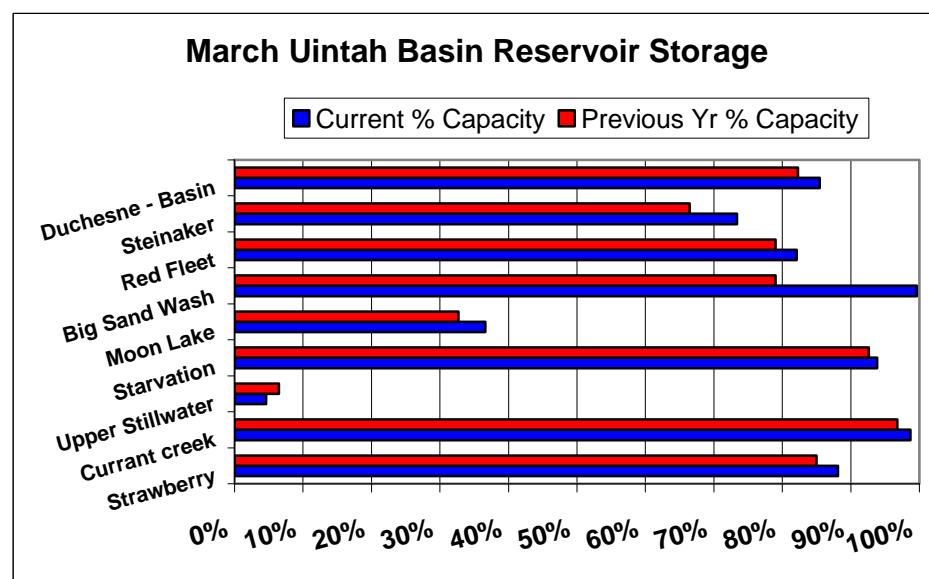
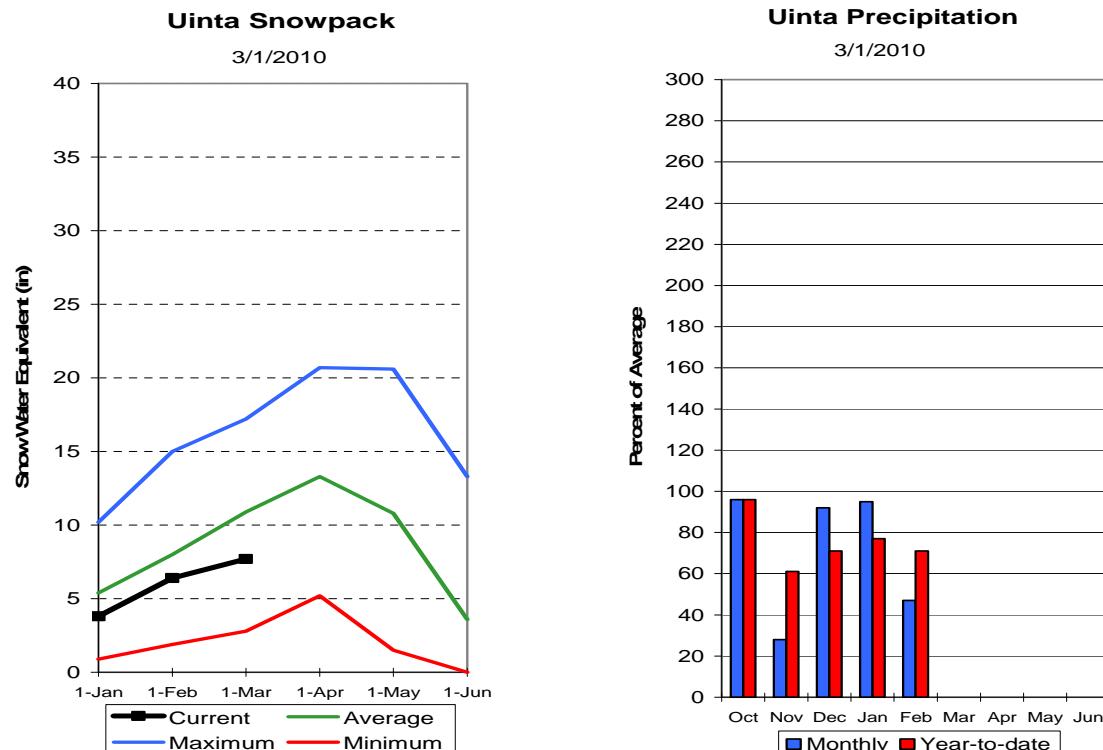
Provo River SWSI @ Deer Creek Inflow



Uintah Basin and Dagget SCD's

March 1, 2010

Snowpack across the Uintas is below average at 71%, which is 86% of last year. Individual sites on the North Slope range from 56% to 90% and on the South Slope range from 50% to 91% of average. Precipitation during February was much below average at 47% bringing the seasonal accumulation (Oct-Feb) to 71%. Soil moisture values in runoff producing areas are at 16% of saturation in the upper 2 feet of soil compared to 34% last year. Reservoir storage is at 85% of capacity, 3% more than last year. Streamflow forecasts (Apr-July) range from 35% to 81% of average. The Surface Water Supply Index for the western area is 29% and for the eastern area it is 47% indicating much below normal conditions on the west side and near normal for the eastern area. General water supply conditions range from near to much below average.



UINTAH BASIN & DAGGET SCD'S as of March 1, 2010

UINTAH BASIN & DAGGET SCD'S Streamflow Forecasts - March 1, 2010								
Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions =====>>				Wetter		
		Chance Of Exceeding *				30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Blacks Fork nr Robertson	APR-JUL	35	48	57	60	67	84	95
EF of Smiths Fork nr Robertson (2)	APR-JUL	11.1	15.5	19.0	66	23	29	29
Flaming Gorge Reservoir Inflow (2)	APR-JUL	245	395	515	43	655	890	1190
Big Brush Ck abv Red Fleet Resv	APR-JUL	10.5	14.2	17.0	81	20	25	21
Ashley Creek nr Vernal	APR-JUL	24	34	41	79	49	62	52
Duchesne R nr Tabiona (2)	APR-JUL	39	54	65	62	78	98	105
Upper Stillwater Reservoir Inflow	APR-JUL	40	48	54	66	60	70	82
Rock Ck nr Mountain Home (2)	APR-JUL	44	54	61	69	69	80	89
Duchesne R abv Knight Diversion (2)	APR-JUL	80	103	121	64	140	171	188
Strawberry R nr Soldier Springs (2)	APR-JUL	11.8	22	30	51	40	57	59
Currant Creek Reservoir Inflow (2)	APR-JUL	5.7	9.9	13.5	54	17.6	25	25
Strawberry R nr Duchesne (2)	APR-JUL	28	47	63	52	81	113	121
Lake Fork River Moon Lake Inflow	APR-JUL	33	41	47	69	53	63	68
Yellowstone River nr Altonah	APR-JUL	28	37	43	69	50	61	62
Duchesne R at Myton (2)	APR-JUL	28	67	102	39	145	220	260
Uinta R bl Powerplant Div nr Neola	APR-JUL	26	41	54	68	68	92	79
Whiterocks nr Whiterocks	APR-JUL	24	33	41	73	49	63	56
Duchesne R nr Randlett (2)	APR-JUL	29	73	115	36	166	260	324

UINTAH BASIN & DAGGET SCD'S Reservoir Storage (1000 AF) - End of February				UINTAH BASIN & DAGGET SCD'S Watershed Snowpack Analysis - March 1, 2010				
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr Average	
	This Year	Last Year	Avg					
FLAMING GORGE	3749.0	3181.0	2966.0	2919.0	UPPER GREEN RIVER in UTAH	6	111	76
MOON LAKE	49.5	13.1	11.7	29.8	ASHLEY CREEK	2	119	89
RED FLEET	25.7	21.1	20.3	18.4	BLACK'S FORK RIVER	2	90	63
STEINAKER	33.4	24.5	22.2	22.8	SHEEP CREEK	1	158	90
STARVATION	165.3	155.1	153.1	135.9	DUCHESNE RIVER	11	79	69
STRAWBERRY-ENLARGED	1105.9	974.4	939.9	637.8	LAKE FORK-YELLOWSTONE CRE	4	77	70
					STRAWBERRY RIVER	4	77	63
					UINTAH-WHITEROCKS RIVERS	2	84	78
					UINTAH BASIN & DAGGET SCD	17	86	71

* 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.

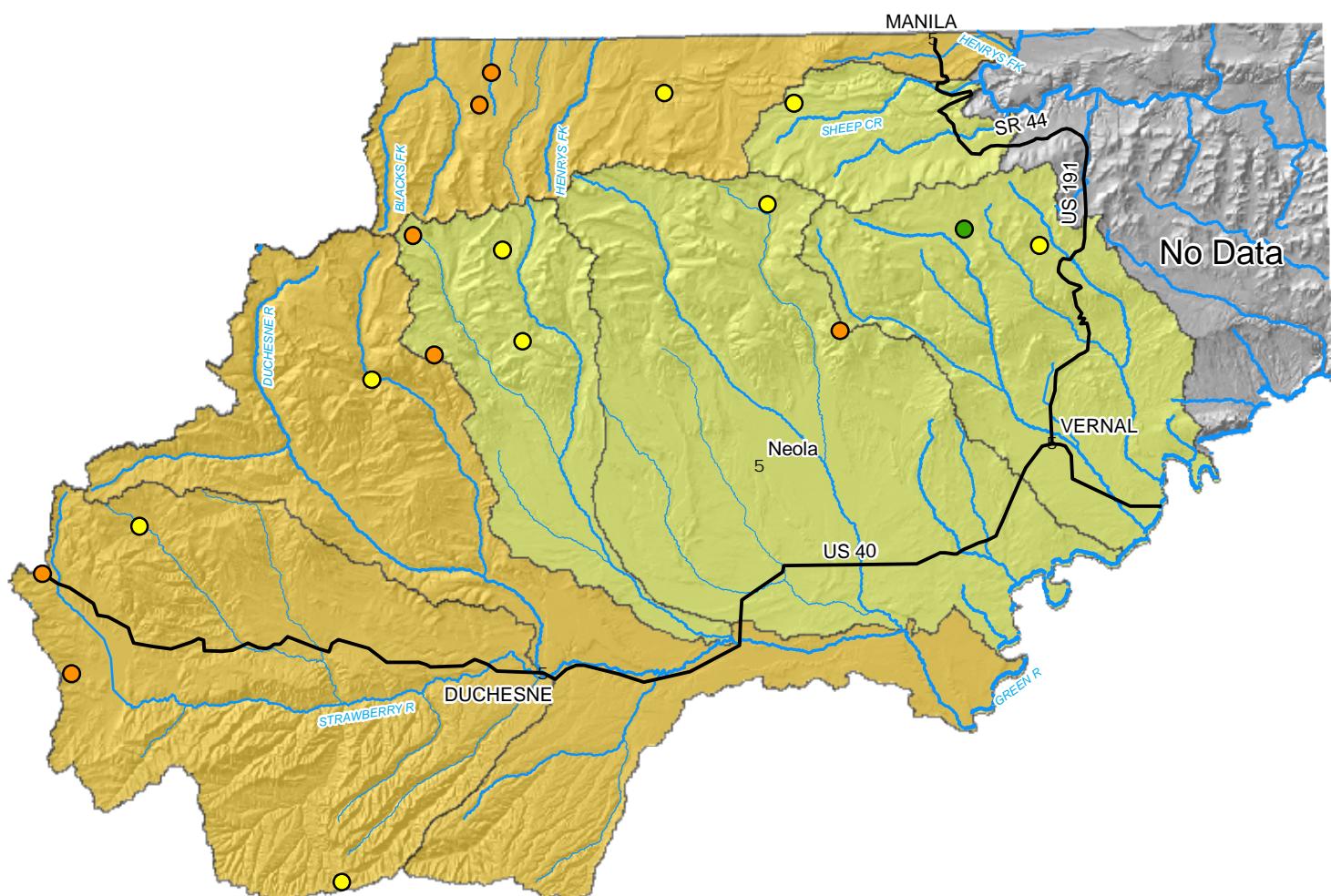
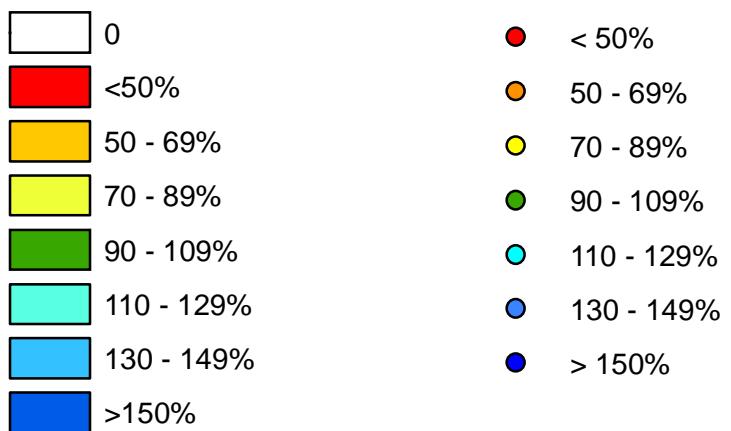
(2) - The value is natural volume - actual volume may be affected by upstream water management.

(3) - Median value used in place of average.

Uintah Basin & Dagget SCD's

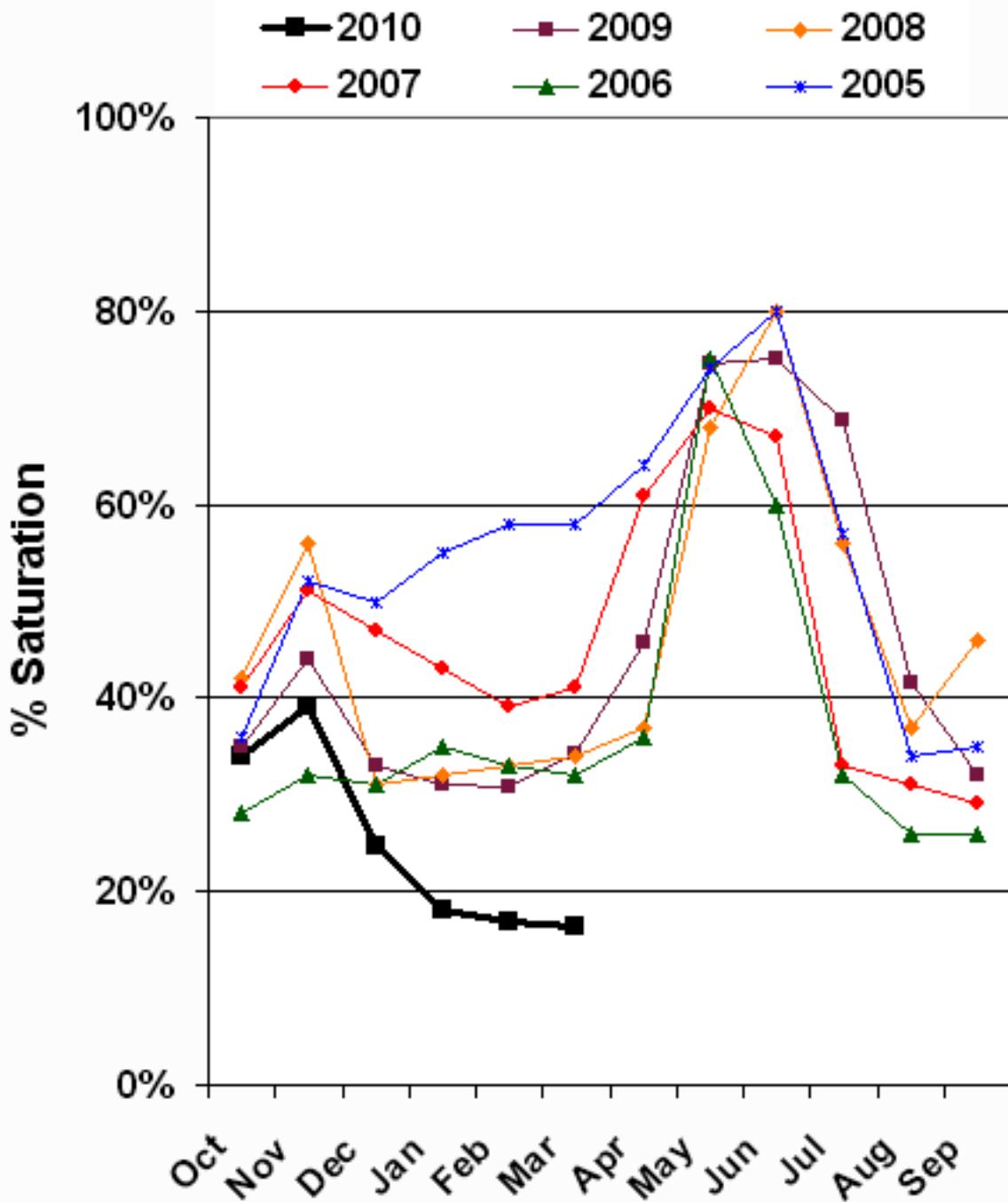


Watershed % of Average Snotel % of Average



**Basinwide Average
71 %**

Uintah Basin Soil Moisture



WESTERN UNTA BASIN SWSI

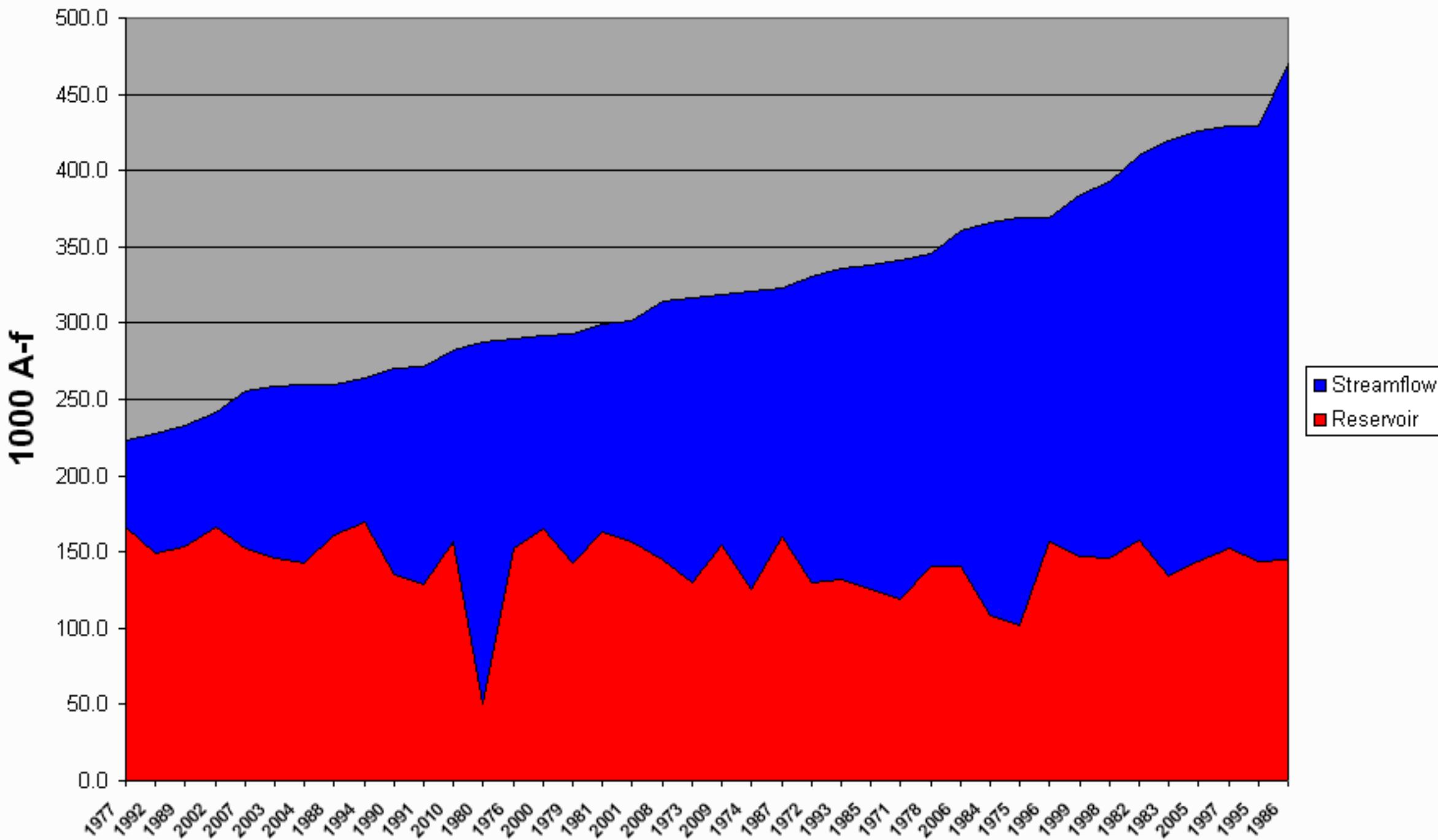
March 1, 2010

of years **40**

#	Year	EOM		Reservoir + Streamflow	Probability	SWSI
		February Reservoir	Apr-Jul Streamflow			
1	1977	165.8	57.0	222.8	2	-3.96
2	1992	149.0	78.6	227.6	5	-3.76
3	1989	153.8	78.7	232.6	7	-3.56
4	2002	165.9	75.6	241.6	10	-3.35
5	2007	152.4	102.8	255.2	12	-3.15
6	2003	146.0	112.1	258.1	15	-2.95
7	2004	142.3	116.8	259.2	17	-2.74
8	1988	161.3	98.1	259.4	20	-2.54
9	1994	169.1	94.7	263.8	22	-2.34
10	1990	135.3	134.8	270.1	24	-2.13
11	1991	129.2	142.2	271.5	27	-1.93
12	2010	156.6	126.0	282.6	29	-1.73
13	1980	50.8	236.8	287.6	32	-1.52
14	1976	152.6	137.6	290.2	34	-1.32
15	2000	164.8	127.1	291.9	37	-1.12
16	1979	142.5	150.0	292.5	39	-0.91
17	1981	163.4	135.8	299.1	41	-0.71
18	2001	157.1	144.7	301.8	44	-0.51
19	2008	144.7	169.5	314.2	46	-0.30
20	1973	129.3	186.8	316.1	49	-0.10
21	2009	154.0	165.0	319.0	51	0.10
22	1974	125.2	195.5	320.7	54	0.30
23	1987	160.3	162.9	323.3	56	0.51
24	1972	129.7	200.3	330.0	59	0.71
25	1993	131.5	203.9	335.4	61	0.91
26	1985	125.6	212.1	337.8	63	1.12
27	1971	118.6	222.7	341.3	66	1.32
28	1978	140.5	204.8	345.3	68	1.52
29	2006	140.4	220.6	361.0	71	1.73
30	1984	108.2	258.2	366.4	73	1.93
31	1975	102.1	266.6	368.7	76	2.13
32	1996	157.1	211.7	368.8	78	2.34
33	1999	146.6	237.4	384.0	80	2.54
34	1998	145.4	247.2	392.6	83	2.74
35	1982	157.5	252.7	410.2	85	2.95
36	1983	134.3	285.2	419.6	88	3.15
37	2005	143.3	282.7	426.0	90	3.35
38	1997	152.2	276.7	428.9	93	3.56
39	1995	144.1	284.9	429.0	95	3.76
40	1986	145.4	324.7	470.0	98	3.96

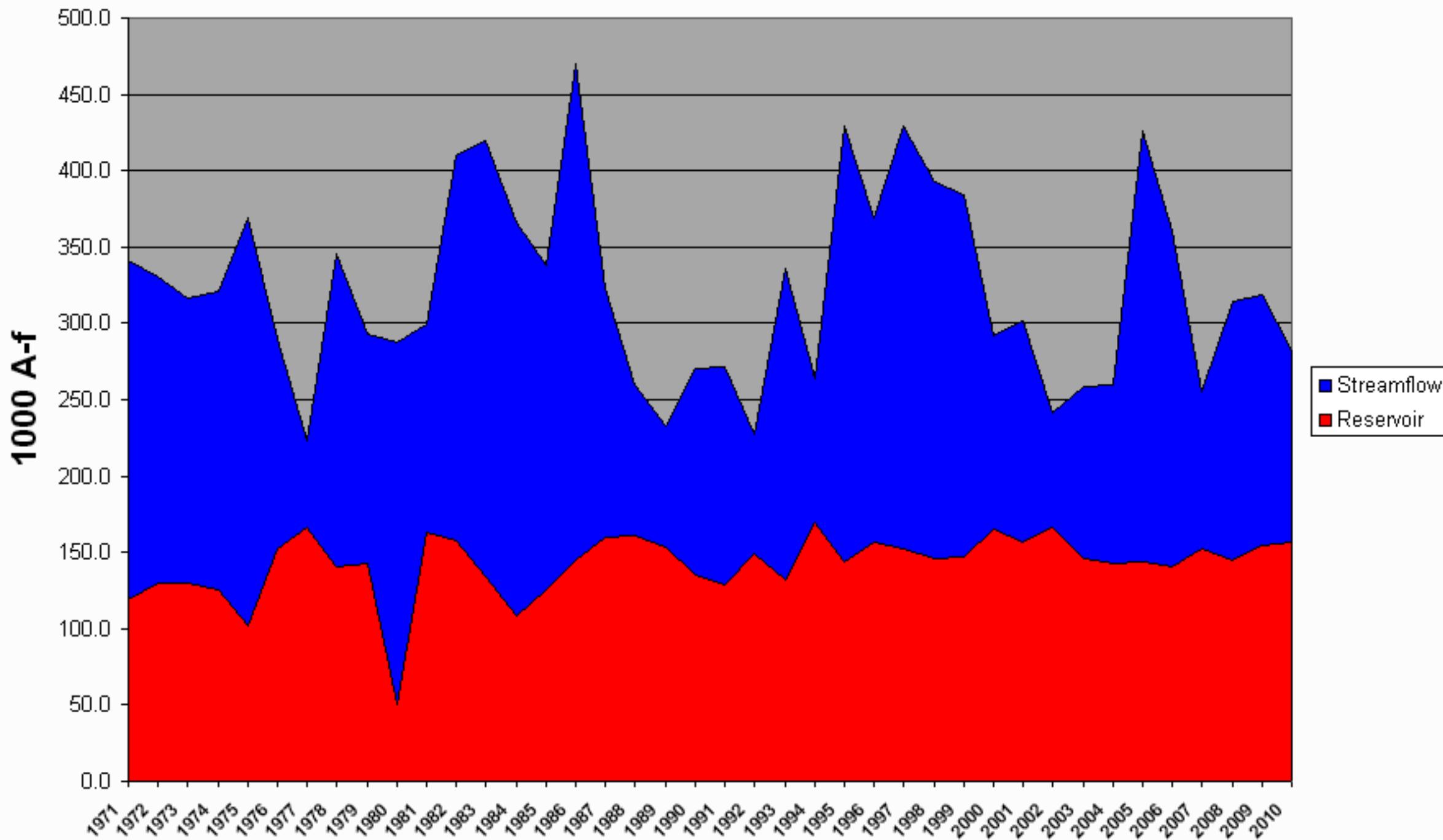
Western Uintah Basin Surface Water Supply Index

March



Western Uintah Basin Surface Water Supply Index

March



EASTERN UNTA BASIN SWSI

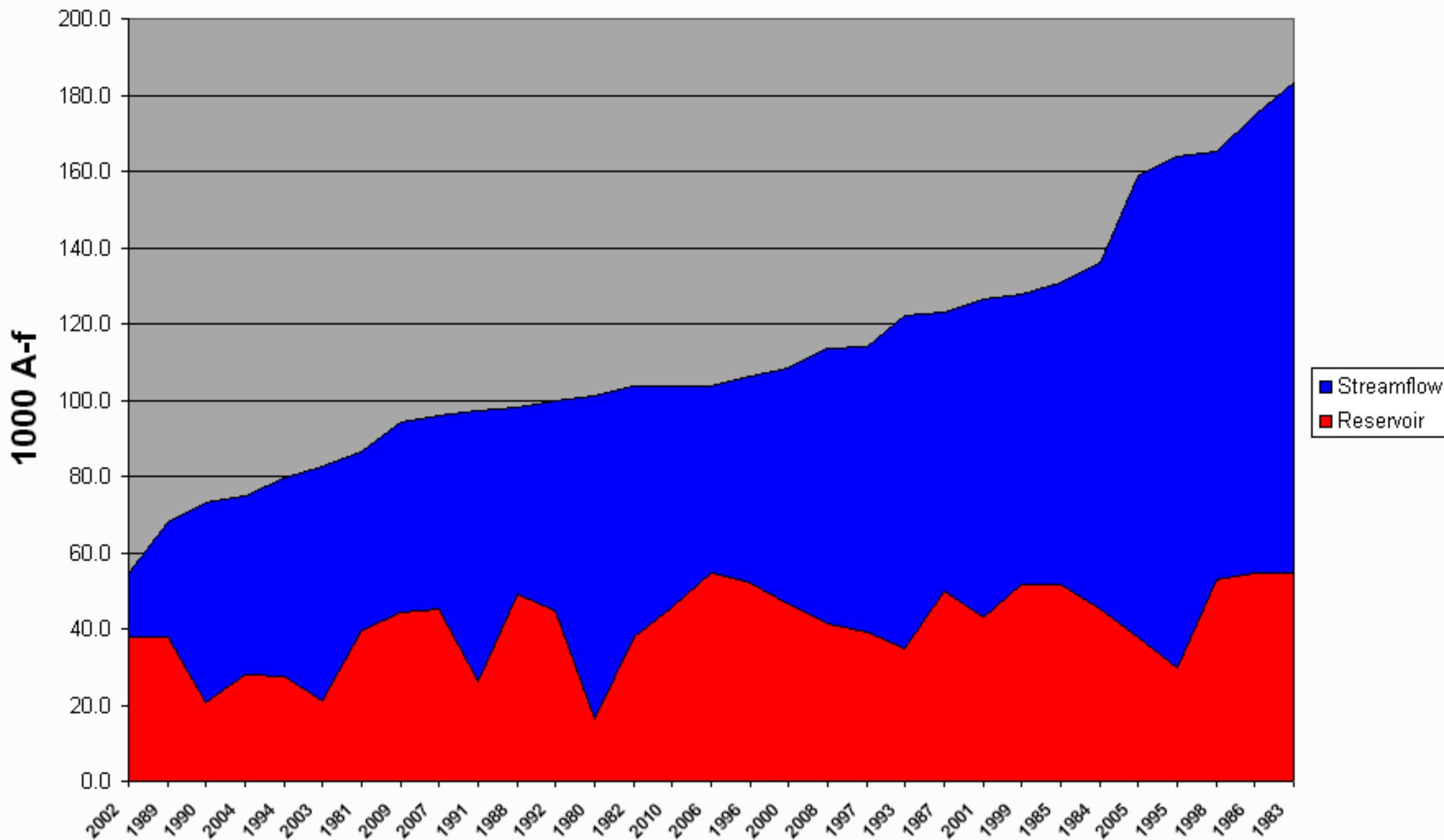
March 1, 2010

of years 31

#	Year	EOM		Reservoir + Streamflow	Probability	SWSI
		February Reservoir	Apr-Jul Streamflow			
1	2002	37.9	16.7	54.5	3	-3.91
2	1989	37.8	30.1	67.9	6	-3.65
3	1990	20.6	52.4	72.9	9	-3.39
4	2004	27.8	47.0	74.8	13	-3.13
5	1994	27.5	52.3	79.8	16	-2.86
6	2003	21.2	61.2	82.4	19	-2.60
7	1981	39.5	47.1	86.6	22	-2.34
8	2009	44.3	50.0	94.3	25	-2.08
9	2007	45.1	50.6	95.8	28	-1.82
10	1991	26.2	71.1	97.2	31	-1.56
11	1988	49.0	49.0	98.0	34	-1.30
12	1992	44.7	55.0	99.7	38	-1.04
13	1980	16.2	85.0	101.2	41	-0.78
14	1982	37.8	65.7	103.5	44	-0.52
15	2010	45.6	58.0	103.6	47	-0.26
16	2006	54.7	49.0	103.7	50	0.00
17	1996	52.0	54.1	106.1	53	0.26
18	2000	46.5	61.7	108.2	56	0.52
19	2008	41.4	72.0	113.4	59	0.78
20	1997	39.2	74.6	113.8	63	1.04
21	1993	35.0	87.1	122.0	66	1.30
22	1987	49.7	73.4	123.1	69	1.56
23	2001	42.8	83.6	126.4	72	1.82
24	1999	51.6	76.2	127.8	75	2.08
25	1985	51.5	79.1	130.6	78	2.34
26	1984	45.4	90.4	135.8	81	2.60
27	2005	37.7	121.1	158.8	84	2.86
28	1995	29.5	134.2	163.7	88	3.13
29	1998	52.7	112.6	165.4	91	3.39
30	1986	54.6	120.3	174.8	94	3.65
31	1983	54.8	128.4	183.2	97	3.91

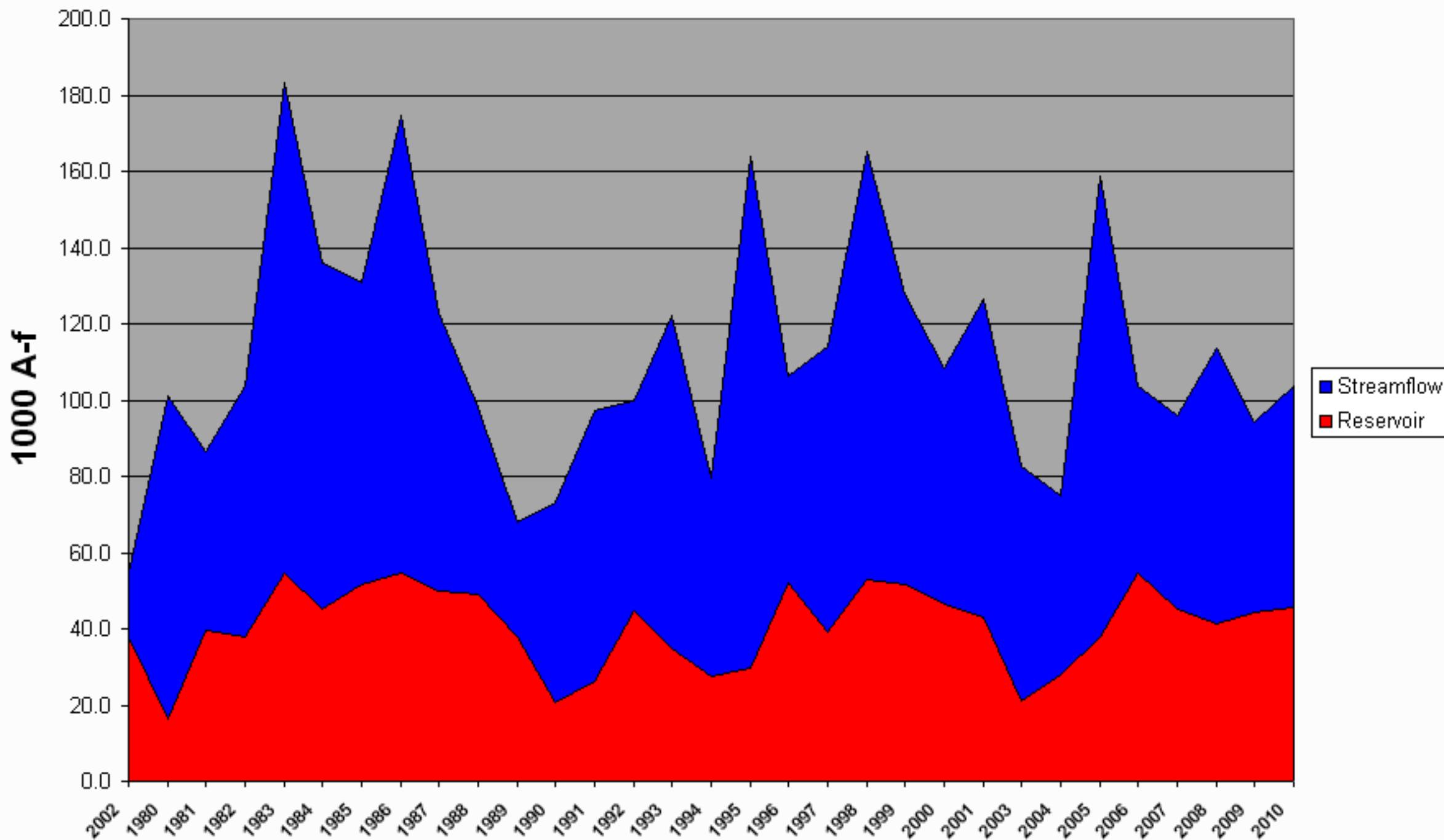
Eastern Uintah Basin Surface Water Supply Index

March



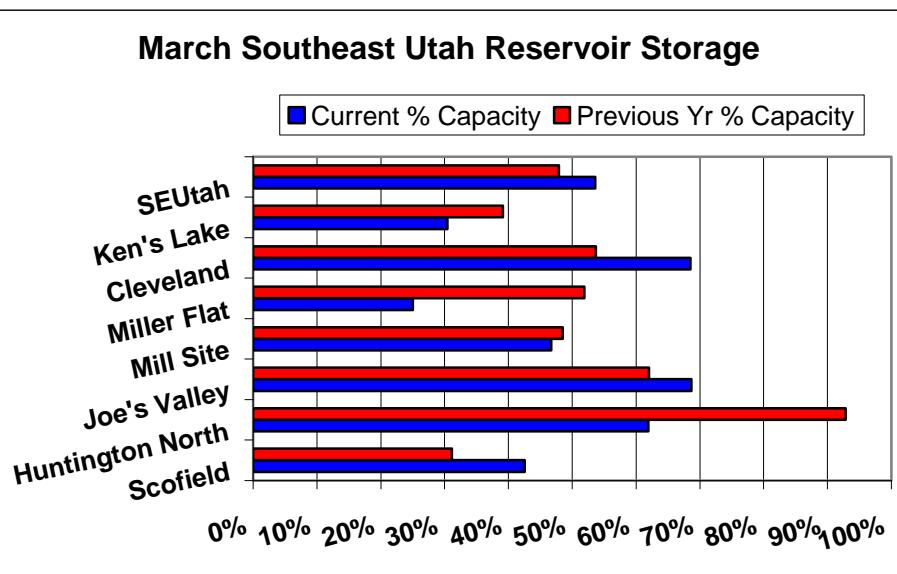
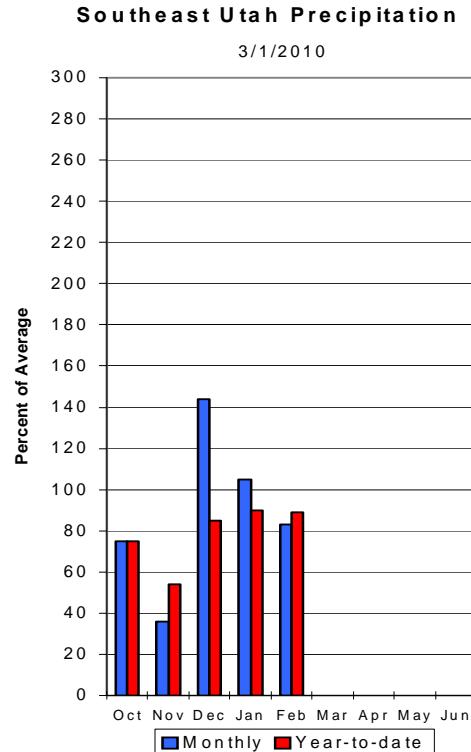
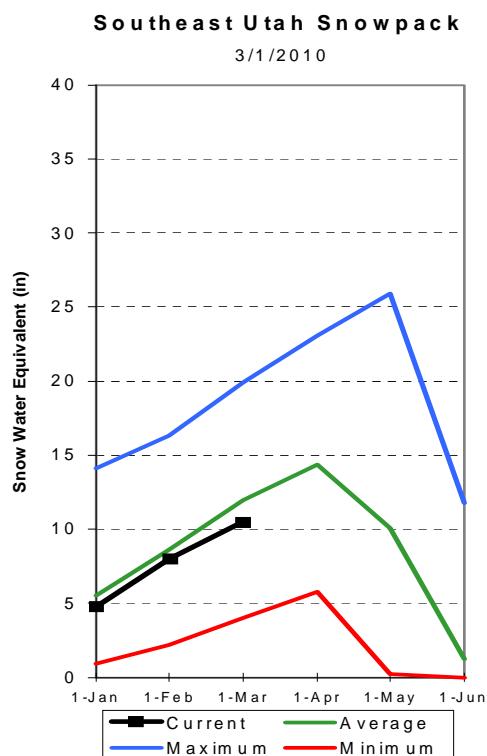
Eastern Uintah Basin Surface Water Supply Index

March



Carbon, Emery, Wayne, Grand and San Juan Co. March 1, 2010

Snowpacks in this region are near normal at 88% of average, about 103% of last year. Individual sites range from 58% at Red Pine Ridge to 149% of average at East Willow Creek. Precipitation during February was below average at 83%, bringing the seasonal accumulation (Oct-Feb) to 89% of normal. Soil moisture estimates in runoff producing areas are at 34% of saturation in the upper 2 feet of soil, 2% below last year at this time. Forecast streamflows (Apr – July) range from 49% to 130% of average. Reservoir storage is at 54% of capacity, up 6% from last year at this time. Surface Water Supply Indices for the area are: Price 26%, Joe's Valley 39%, Ferron Creek 21%, and Moab 71%. General runoff and water supply conditions are much below to below average on the Price, San Rafael, and Dirty Devil, and above average in the Book Cliffs, Abajos and Lasals.



CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co. as of March 1, 2010

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CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.
Streamflow Forecasts - March 1, 2010
=====

Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>						30-Yr Avg. (1000AF)
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding *		30% (1000AF)	10% (1000AF)	
Fish Creek Abv Reservoir Nr Scofield	APR-JUL	9.3	14.1	18.0	56	22	30	32
Price River nr Scofield Reservoir	APR-JUL	14.8	20	25	56	30	39	45
White River blw Tabbyune Creek	APR-JUL	4.3	6.6	8.5	49	10.6	14.2	17.3
Huntington Ck Inflow to Electric Lk	APR-JUL	5.4	7.4	9.0	57	10.7	13.5	15.7
Huntington Ck nr Huntington (2)	APR-JUL	15.7	23	28	57	34	44	49
Joe's Valley Reservoir Inflow	APR-JUL	18.5	28	35	60	43	57	58
Ferron Ck (Upper Station) nr Ferron	APR-JUL	15.5	21	25	64	30	37	39
Seven Mile Ck Nr Fish Lake, Ut	APR-JUL	4.00	5.70	7.00	100	8.40	10.80	7.00
Colorado River nr Cisco (2)	APR-JUL	2400	2930	3650	79	4370	5000	4650
Mill Creek at Sheley Tunnel nr Moab	APR-JUL	3.80	5.00	5.90	118	7.00	8.70	5.00
Muddy Creek nr Emery	APR-JUL	6.5	9.7	12.3	62	15.2	20	19.9
Pine Creek Nr Escalante	APR-JUL	1.09	1.99	2.80	117	3.60	5.20	2.40
South Ck ab Lloyd's Res nr Monticell	MAR-JUL	0.87	1.37	1.80	130	2.30	3.20	1.38

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CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.
Reservoir Storage (1000 AF) - End of February
=====

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CARBON, EMERY, WAYNE, GRAND, & SAN JUAN Co.
Watershed Snowpack Analysis - March 1, 2010
=====

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr Average	
		This Year	Last Year	Avg			=====	=====
HUNTINGTON NORTH	4.2	2.6	3.9	3.4	PRICE RIVER	3	77	64
JOE'S VALLEY	61.6	42.3	38.2	41.5	SAN RAFAEL RIVER	3	82	68
KEN'S LAKE	2.3	0.7	0.9	1.3	MUDY CREEK	1	106	76
MILL SITE	16.7	7.8	8.1	84.9	FREMONT RIVER	3	145	110
SCOFIELD	65.8	28.0	20.5	34.8	LASAL MOUNTAINS	1	132	132
					BLUE MOUNTAINS	1	144	142
					WILLOW CREEK	1	141	149
					SOUTHEASTERN UTAH	13	103	88

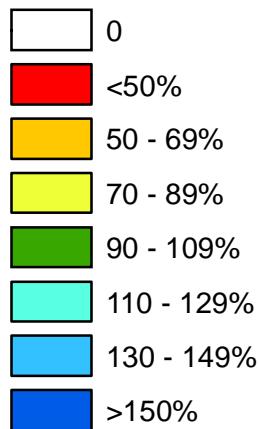
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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.

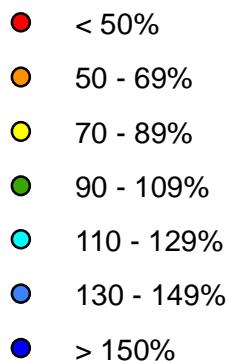
Carbon, Emery, Wayne Grand & San Juan Basins

Watershed % of Average



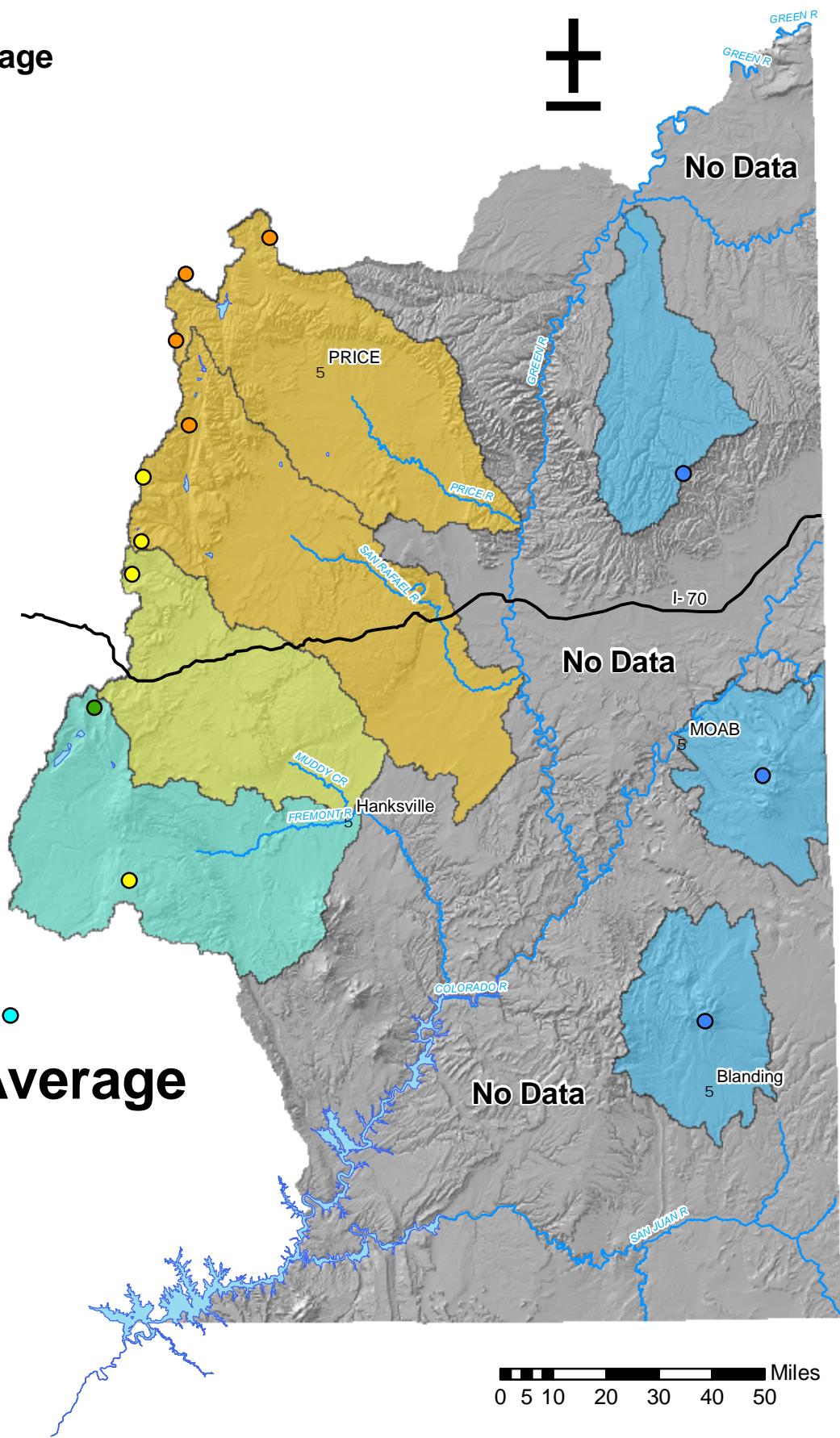
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Snotel % of Average



Basinwide Average

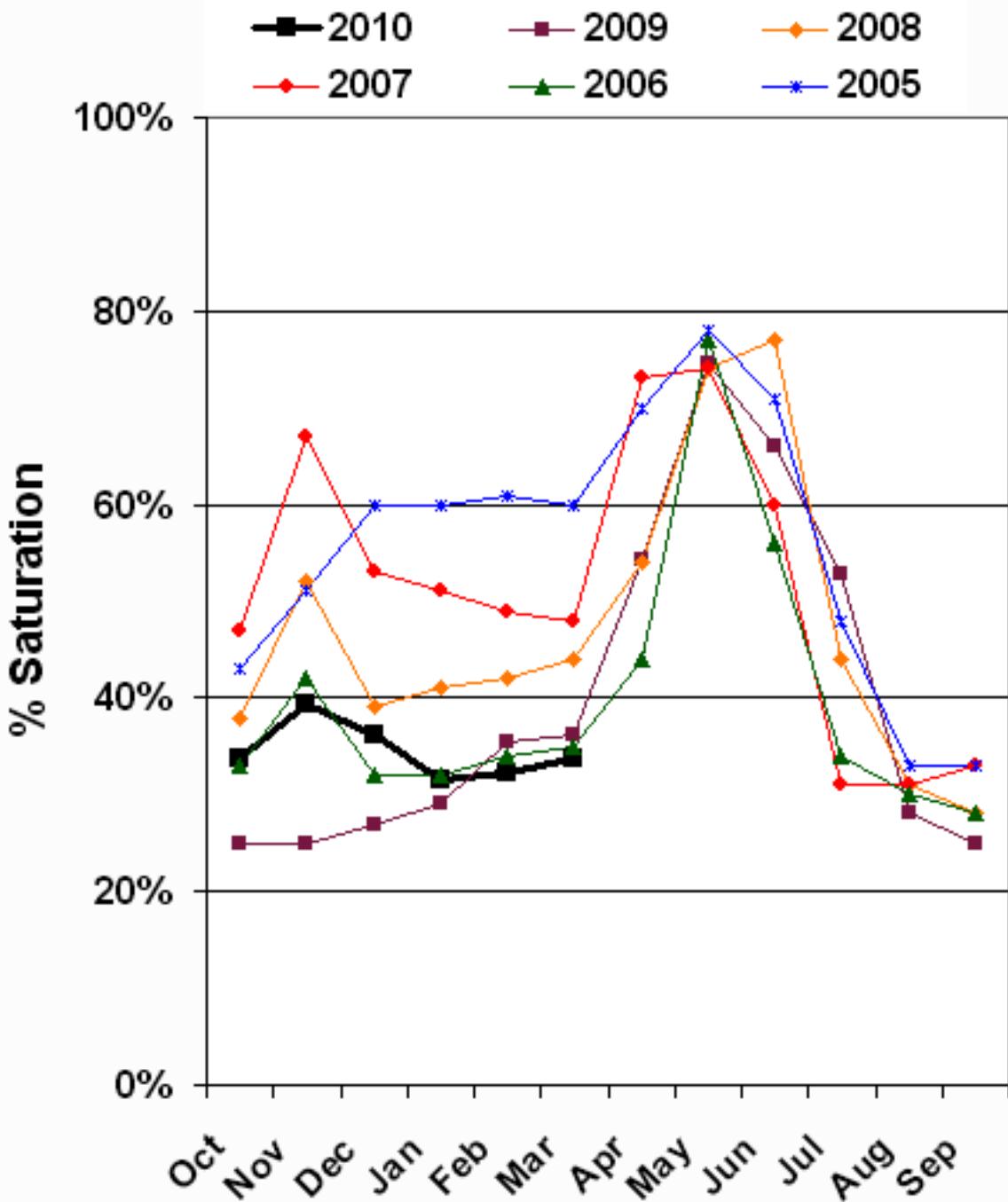
88 %



*Provisional Data
Subject to Revision*

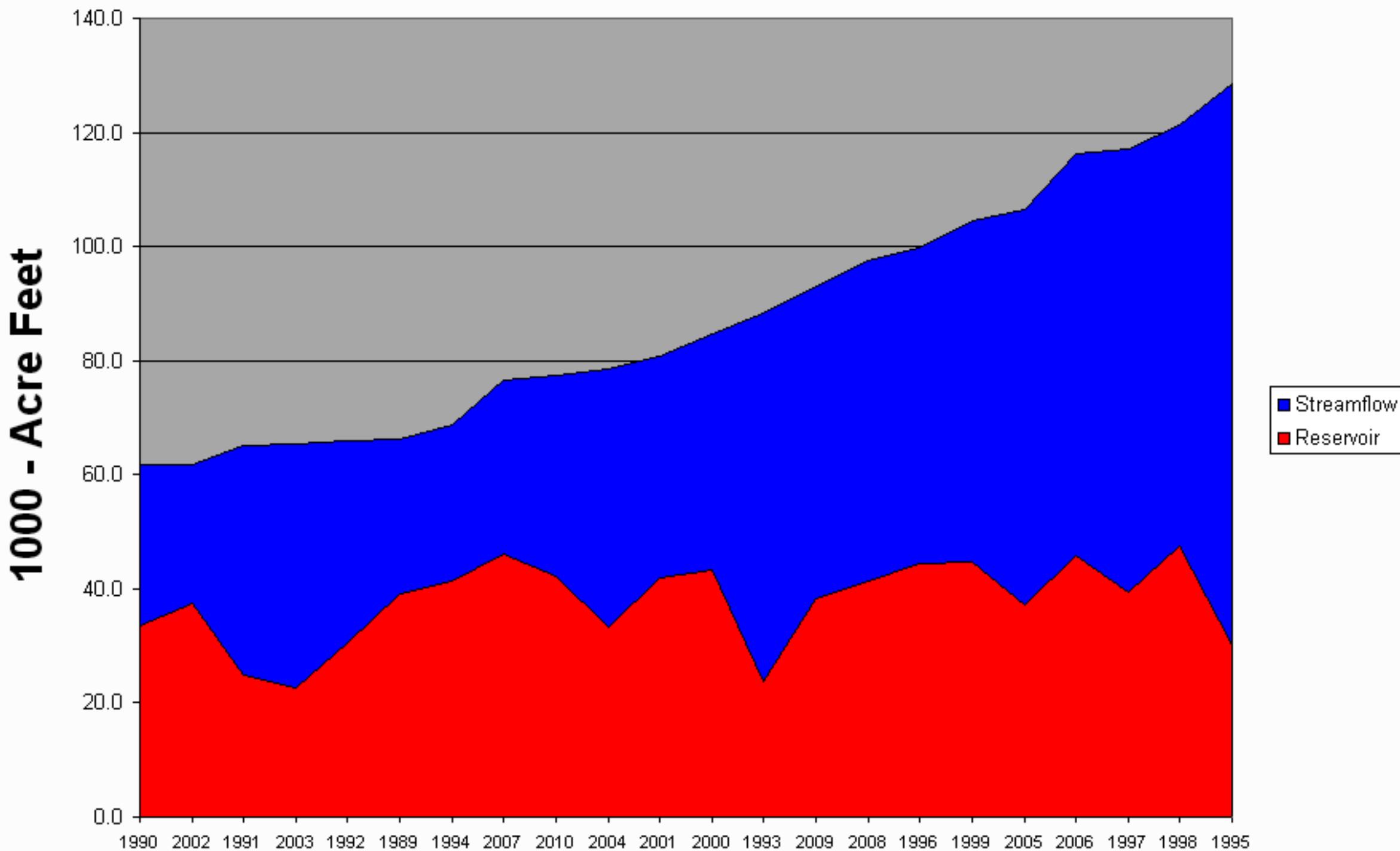
A scale bar representing distance in miles. It features a black horizontal bar with white tick marks at intervals of 5 units. The first five units are labeled '0 5 10'. The next five units are labeled '20 30 40'. The final five units are labeled '50'. To the right of the scale bar, the word 'Miles' is written in a large, bold, black font.

Southeast Utah Soil Moisture

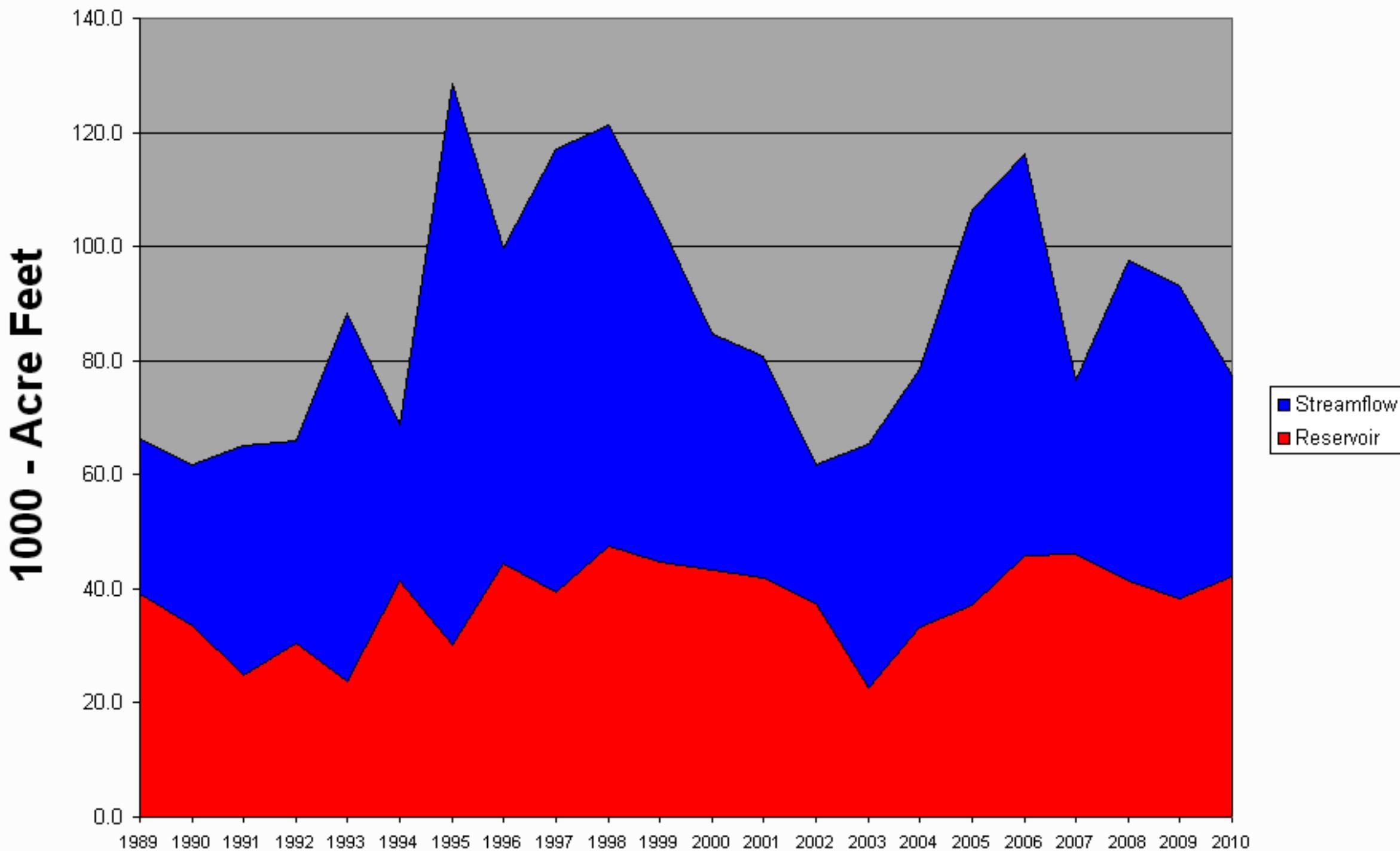


		Joe's	Valley	SWSI		
		March				
		EOM February	April-July Forecast			
		Joe's Valley Storage	Streamflow - Joe's Valley Inflow	Reservoir + Streamflow		
#	Year	1000-AF	1000-AF	1000-AF	Probability	SWSI
1	1990	33.6	28.2	61.7	4	-3.80
2	2002	37.3	24.6	61.9	9	-3.44
3	1991	24.8	40.2	65.1	13	-3.08
4	2003	22.6	42.8	65.4	17	-2.72
5	1992	30.4	35.6	66.0	22	-2.36
6	1989	39.1	27.2	66.3	26	-1.99
7	1994	41.2	27.6	68.9	30	-1.63
8	2007	46.1	30.4	76.6	35	-1.27
9	2010	42.3	35.0	77.3	39	-0.91
10	2004	33.3	45.1	78.4	43	-0.54
11	2001	41.9	38.7	80.7	48	-0.18
12	2000	43.2	41.5	84.7	52	0.18
13	1993	23.8	64.5	88.2	57	0.54
14	2009	38.2	54.9	93.1	61	0.91
15	2008	41.4	56.1	97.5	65	1.27
16	1996	44.4	55.4	99.8	70	1.63
17	1999	44.8	59.6	104.4	74	1.99
18	2005	37.2	69.3	106.5	78	2.36
19	2006	45.7	70.5	116.2	83	2.72
20	1997	39.4	77.7	117.1	87	3.08
21	1998	47.4	73.8	121.2	91	3.44
22	1995	30.2	98.3	128.5	96	3.80

Joe's Valley SWSI

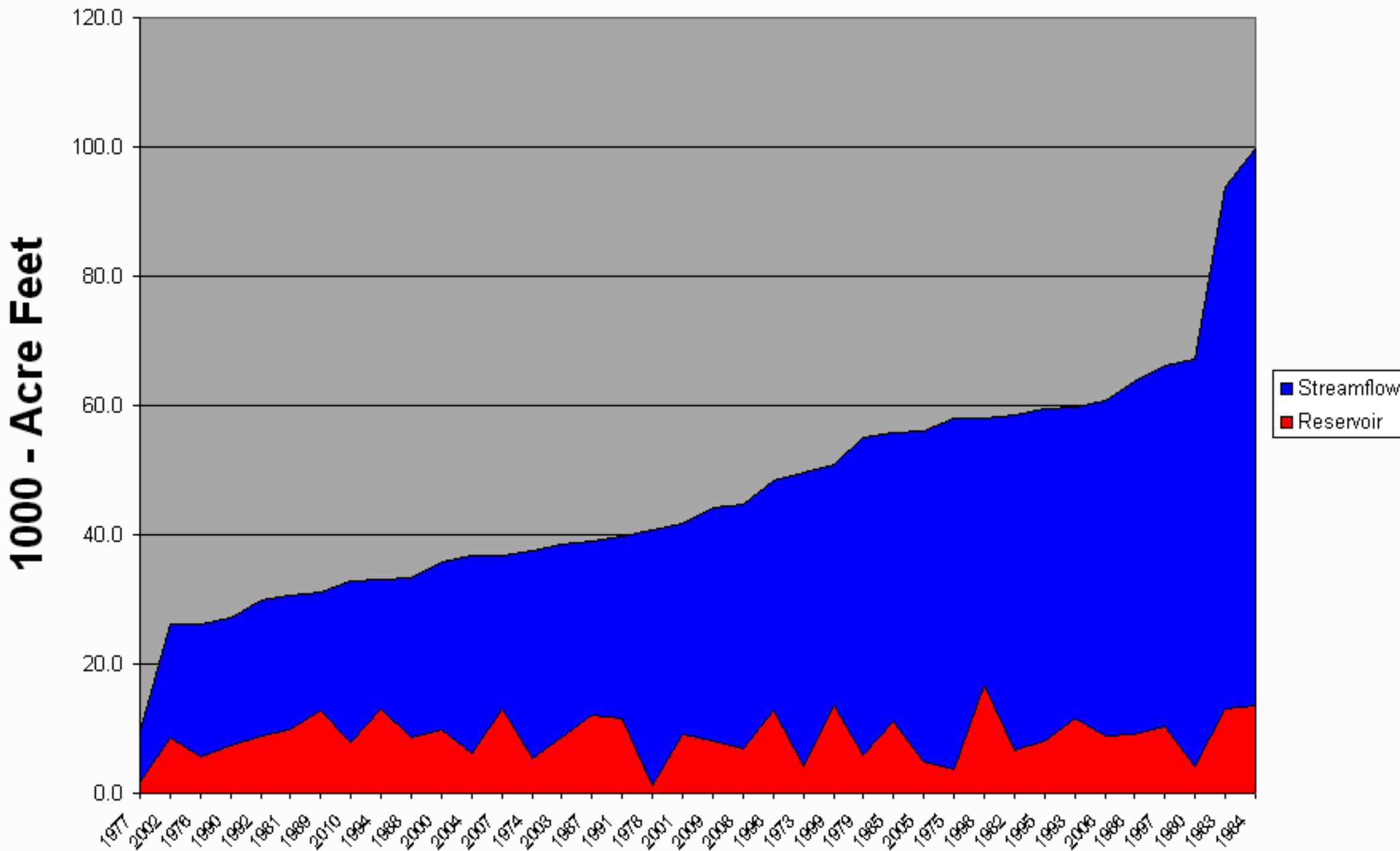


Joe's Valley SWSI

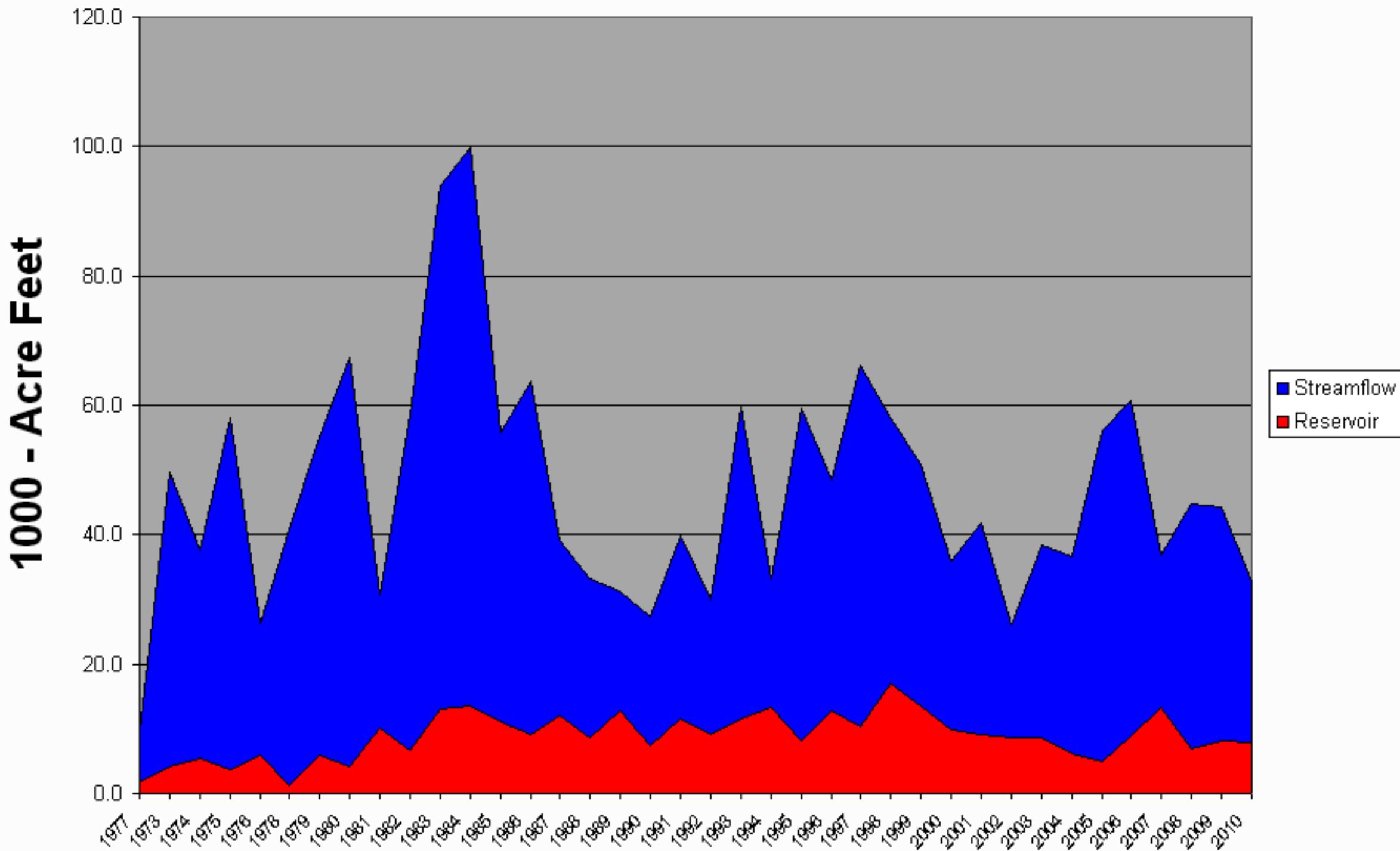


Ferron Creek SWSI						
March						
#	Year	EOM February Millsite Reservoir Storage	April-July Forecast Streamflow - Ferron Creek Upper	Reservoir + Streamflow 1000AF	Probability	SWSI
1	1977	1.7	8.0	9.7	3	-3.95
2	2002	8.7	17.4	26.1	5	-3.74
3	1976	5.8	20.4	26.2	8	-3.53
4	1990	7.3	19.9	27.2	10	-3.31
5	1992	9.0	20.9	29.9	13	-3.10
6	1981	10.0	20.6	30.6	15	-2.88
7	1989	12.9	18.3	31.2	18	-2.67
8	2010	7.8	25	32.8	21	-2.46
9	1994	13.2	19.9	33.1	23	-2.24
10	1988	8.6	24.7	33.3	26	-2.03
11	2000	9.8	26.1	35.9	28	-1.82
12	2004	6.1	30.6	36.7	31	-1.60
13	2007	13.2	23.7	36.9	33	-1.39
14	1974	5.4	32.1	37.5	36	-1.18
15	2003	8.7	29.7	38.4	38	-0.96
16	1987	12.0	27.1	39.1	41	-0.75
17	1991	11.6	28.3	39.9	44	-0.53
18	1978	1.2	39.5	40.7	46	-0.32
19	2001	9.2	32.5	41.7	49	-0.11
20	2009	8.1	36.1	44.2	51	0.11
21	2008	6.9	37.7	44.6	54	0.32
22	1996	12.9	35.6	48.5	56	0.53
23	1973	4.1	45.6	49.7	59	0.75
24	1999	13.6	37.3	50.9	62	0.96
25	1979	5.9	49.1	55.0	64	1.18
26	1985	11.0	44.7	55.7	67	1.39
27	2005	4.9	51.1	56.0	69	1.60
28	1975	3.6	54.5	58.1	72	1.82
29	1998	16.9	41.2	58.1	74	2.03
30	1982	6.6	52.0	58.6	77	2.24
31	1995	8.2	51.2	59.4	79	2.46
32	1993	11.6	48.3	59.9	82	2.67
33	2006	8.8	51.9	60.7	85	2.88
34	1986	9.2	54.5	63.7	87	3.10
35	1997	10.4	55.9	66.3	90	3.31
36	1980	4.1	63.2	67.3	92	3.53
37	1983	13.1	80.7	93.8	95	3.74
38	1984	13.5	86.3	99.8	97	3.95

Ferron Creek SWSI

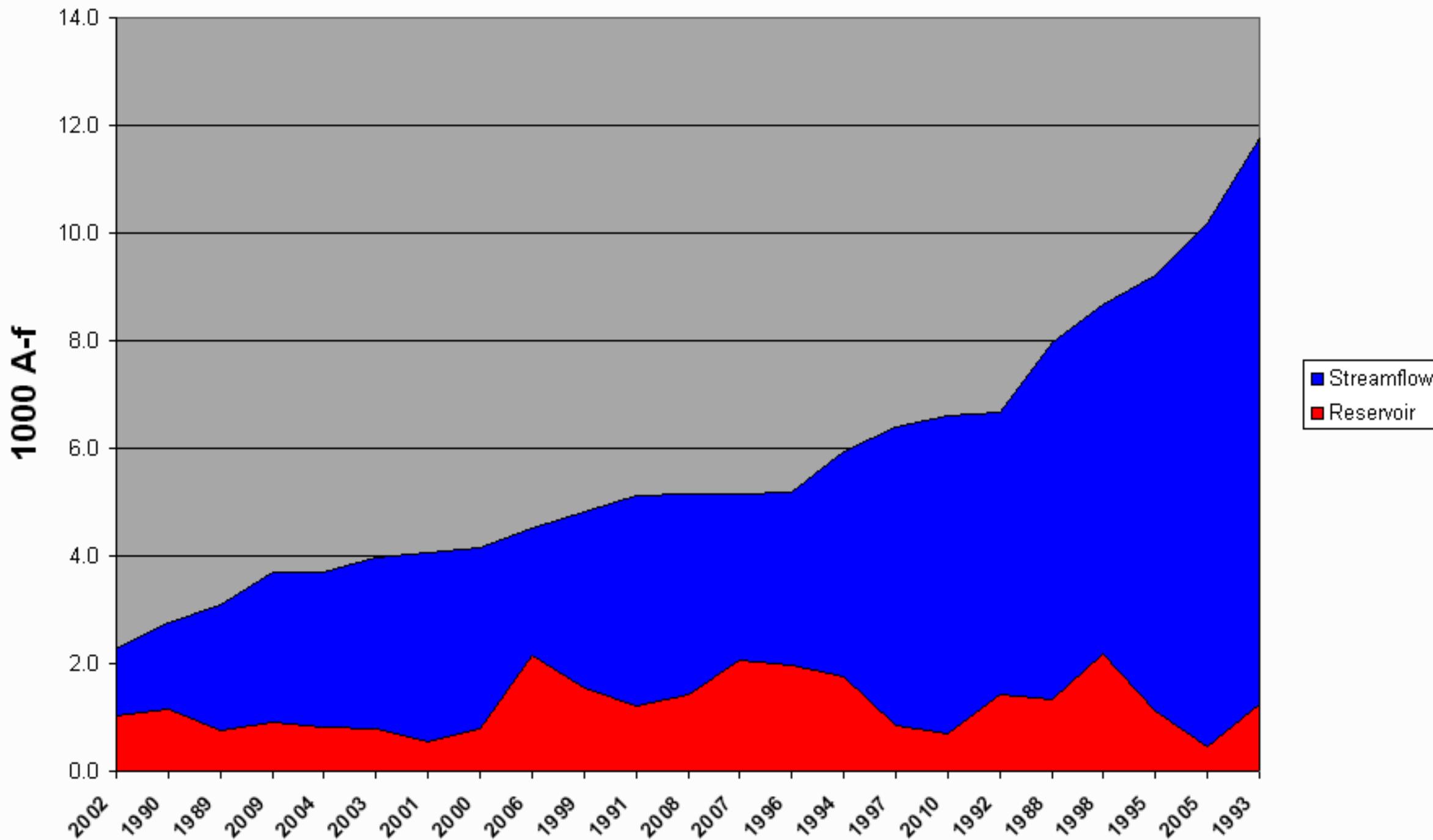


Ferron Creek SWSI

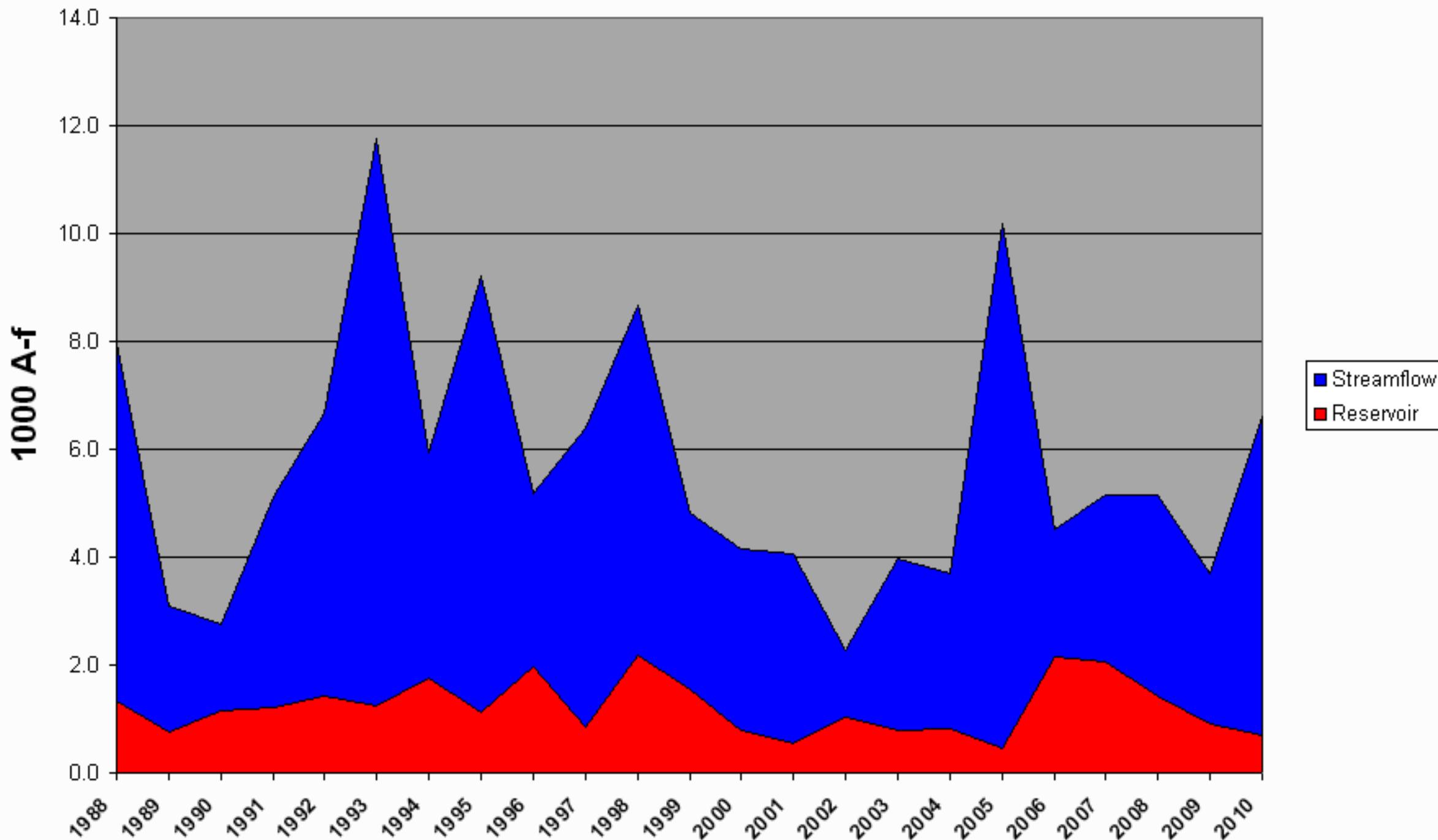


Moab SWSI						
March						
#	Year	EOM February Ken's Lake Reservoir Storage	April-July Forecast Streamflow - Mill Creek @ Sheley	Reservoir + Streamflow	Probability	SWSI
1	2002	1.0	1.2	2.3	4	-3.82
2	1990	1.1	1.6	2.8	8	-3.47
3	1989	0.7	2.3	3.1	13	-3.13
4	2009	0.9	2.8	3.7	17	-2.78
5	2004	0.8	2.9	3.7	21	-2.43
6	2003	0.8	3.2	4.0	25	-2.08
7	2001	0.5	3.5	4.1	29	-1.74
8	2000	0.8	3.4	4.1	33	-1.39
9	2006	2.2	2.4	4.5	38	-1.04
10	1999	1.5	3.3	4.8	42	-0.69
11	1991	1.2	3.9	5.1	46	-0.35
12	2008	1.4	3.7	5.1	50	0.00
13	2007	2.0	3.1	5.2	54	0.35
14	1996	2.0	3.2	5.2	58	0.69
15	1994	1.7	4.2	5.9	63	1.04
16	1997	0.8	5.5	6.4	67	1.39
17	2010	0.7	5.9	6.6	71	1.74
18	1992	1.4	5.2	6.7	75	2.08
19	1988	1.3	6.6	8.0	79	2.43
20	1998	2.2	6.5	8.7	83	2.78
21	1995	1.1	8.1	9.2	88	3.13
22	2005	0.5	9.7	10.2	92	3.47
23	1993	1.2	10.5	11.8	96	3.82

Moab SWSI



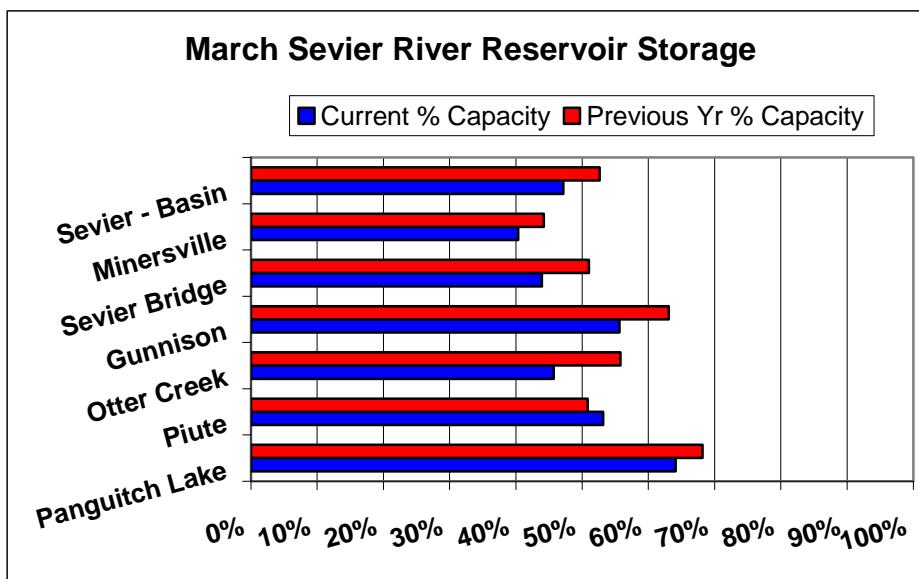
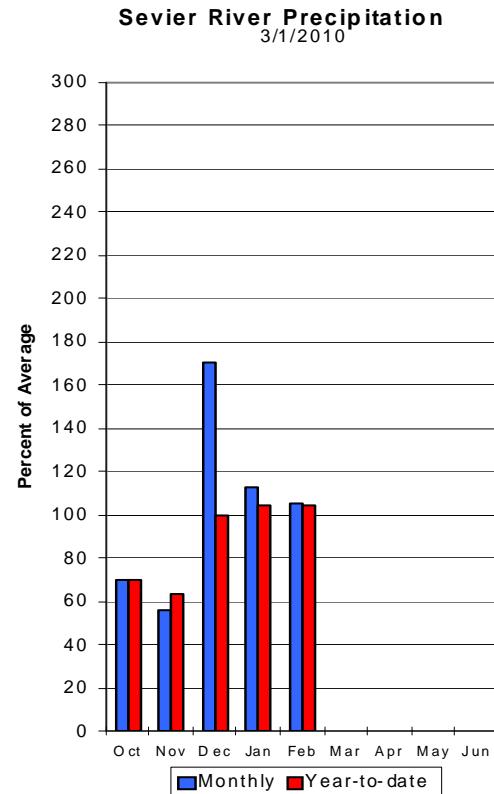
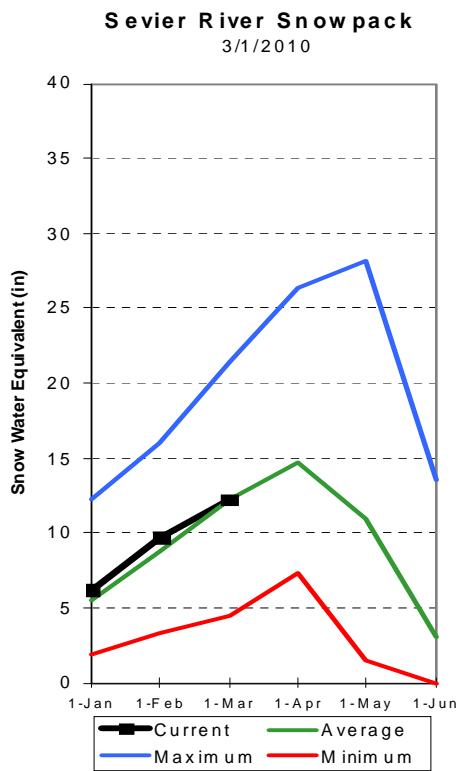
Moab SWSI



Sevier and Beaver River Basins

March 1, 2010

Snowpacks on the Sevier River Basin are near normal at 108% of average, a 3% decline relative to last month and 108% of last year. Individual sites range from 65% at GBRC Headquarters to 221% of average at Long Valley Jct. Precipitation during February was near average at 105% of normal, bringing the seasonal accumulation (Oct-Feb) to 104% of average. Soil moisture estimates in runoff producing areas are at 33% of saturation in the upper 2 feet of soil compared to 47% last year. Streamflow forecasts range from 66% to 133% of average. Reservoir storage is at 47% of capacity, 6% less than last year. Surface Water Supply Indices are: Upper Sevier 37%, Lower Sevier 42% and Beaver 48%. Water supply conditions are slightly below average on the upper Sevier due to low reservoir storage and near average on the lower Sevier and the Beaver River watersheds.



SEVIER & BEAVER RIVER BASINS as of March 1, 2010

SEVIER & BEAVER RIVER BASINS Streamflow Forecasts - March 1, 2010										
Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>								
		Chance Of Exceeding *		50%		30%		10%		30-Yr Avg.
		(1000AF)	(1000AF)	(1000AF)	(% AVG.)	(1000AF)	(1000AF)	(1000AF)	(1000AF)	
Mammoth Ck nr Hatch, Ut	APR-JUL	13.4	22	30	117	38	48	26		
Sevier R at Hatch, UT	APR-JUL	48	61	70	127	79	92	55		
Sevier R nr Kingston, UT	APR-JUL	6.7	29	44	133	59	81	33		
EF Sevier R nr Kingston, UT	APR-JUL	16.9	31	40	114	49	63	35		
Sevier R blw Piute Dam	APR-JUL	31	63	84	127	105	137	66		
Clear Ck abv Diversions nr Sevier	APR-JUL	8.5	15.4	20	91	25	32	22		
Salina Creek Nr Emery	APR-JUL	0.51	4.20	6.80	76	9.40	13.10	9.00		
Salina Ck at Salina	APR-JUL	2.3	9.0	16.0	81	25	42	19.7		
Manti Ck Blw Dugway Ck Nr Manti	APR-JUL	6.8	9.7	12.0	66	14.5	18.6	18.3		
Sevier R nr Gunnison, UT	APR-JUL	3.0	33	75	71	117	179	106		
Chicken Creek nr Levan	APR-JUL	1.52	2.60	3.60	80	4.80	7.00	4.50		
Oak Creek nr Oak City	APR-JUL	0.78	1.13	1.40	84	1.70	2.20	1.66		
Beaver River nr Beaver	APR-JUL	15.5	24	30	111	36	44	27		
Minersville Resv Inflow	APR-JUL	5.3	11.6	18.0	108	26	43	16.6		

SEVIER & BEAVER RIVER BASINS Reservoir Storage (1000 AF) - End of February				SEVIER & BEAVER RIVER BASINS Watershed Snowpack Analysis - March 1, 2010				
Reservoir	Usable Capacity	*** Usable Storage ***	Watershed	Number of Data Sites	This Year	as % of Last Yr	Average	
		This Year Year	Last Year Avg					
GUNNISON	20.3	11.3	12.8	14.6	UPPER SEVIER RIVER	8	119	134
MINERSVILLE (RkyFd)	23.3	9.4	10.3	16.2	EAST FORK SEVIER RIVER	3	126	131
OTTER CREEK	52.5	24.0	29.3	40.0	SOUTH FORK SEVIER RIVER	5	114	136
PIUTE	71.8	38.2	36.5	53.3	LOWER SEVIER RIVER	6	97	78
SEVIER BRIDGE	236.0	103.7	120.4	175.6	BEAVER RIVER	2	96	117
PANGUITCH LAKE	22.3	14.3	15.2	146.8	SEVIER & BEAVER RIVER BAS	16	109	108

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

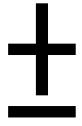
The average is computed for the 1971-2000 base period.

(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.

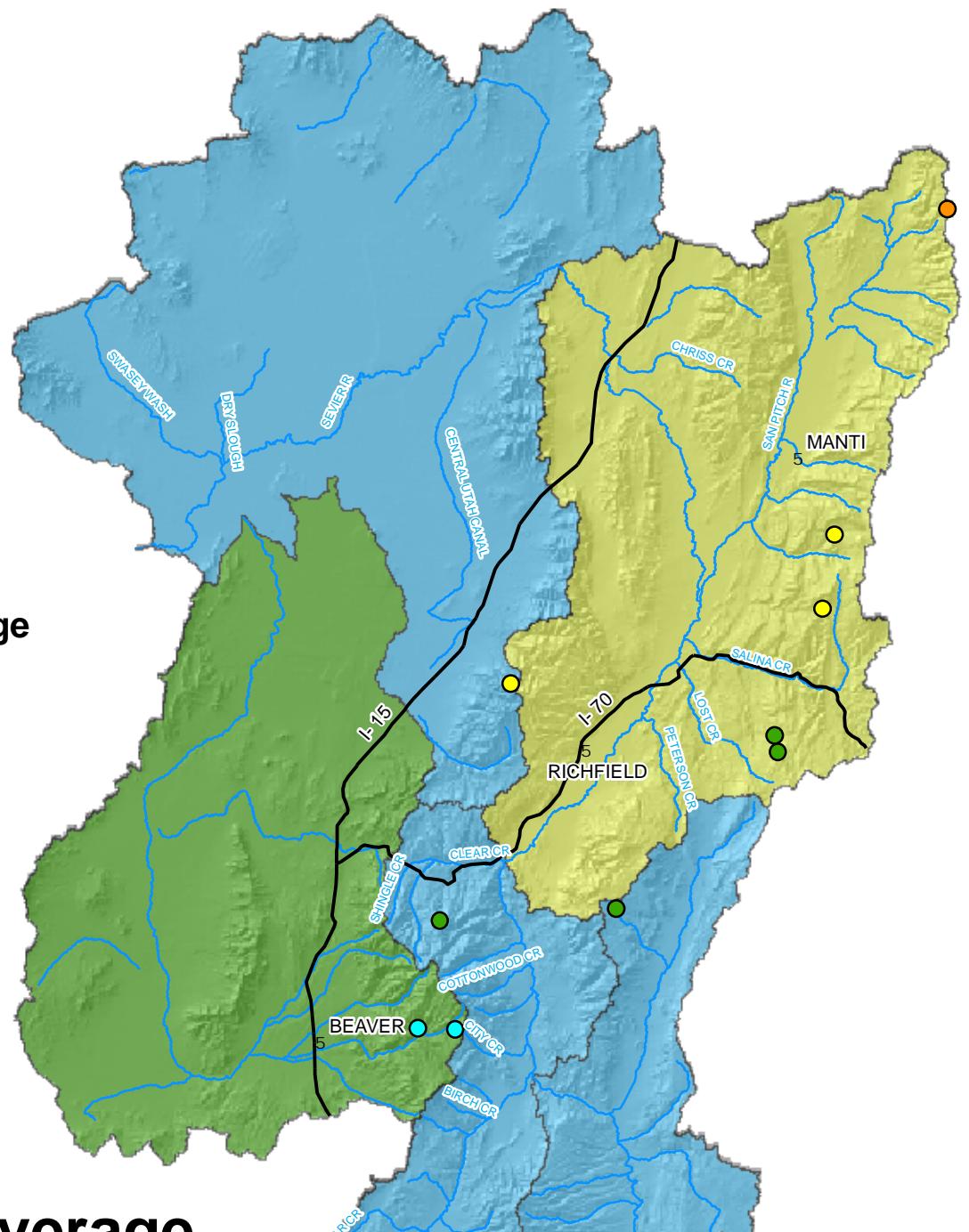
(3) - Median value used in place of average.

Sevier & Beaver Basins



Snotel % of Average

- < 50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- > 150%

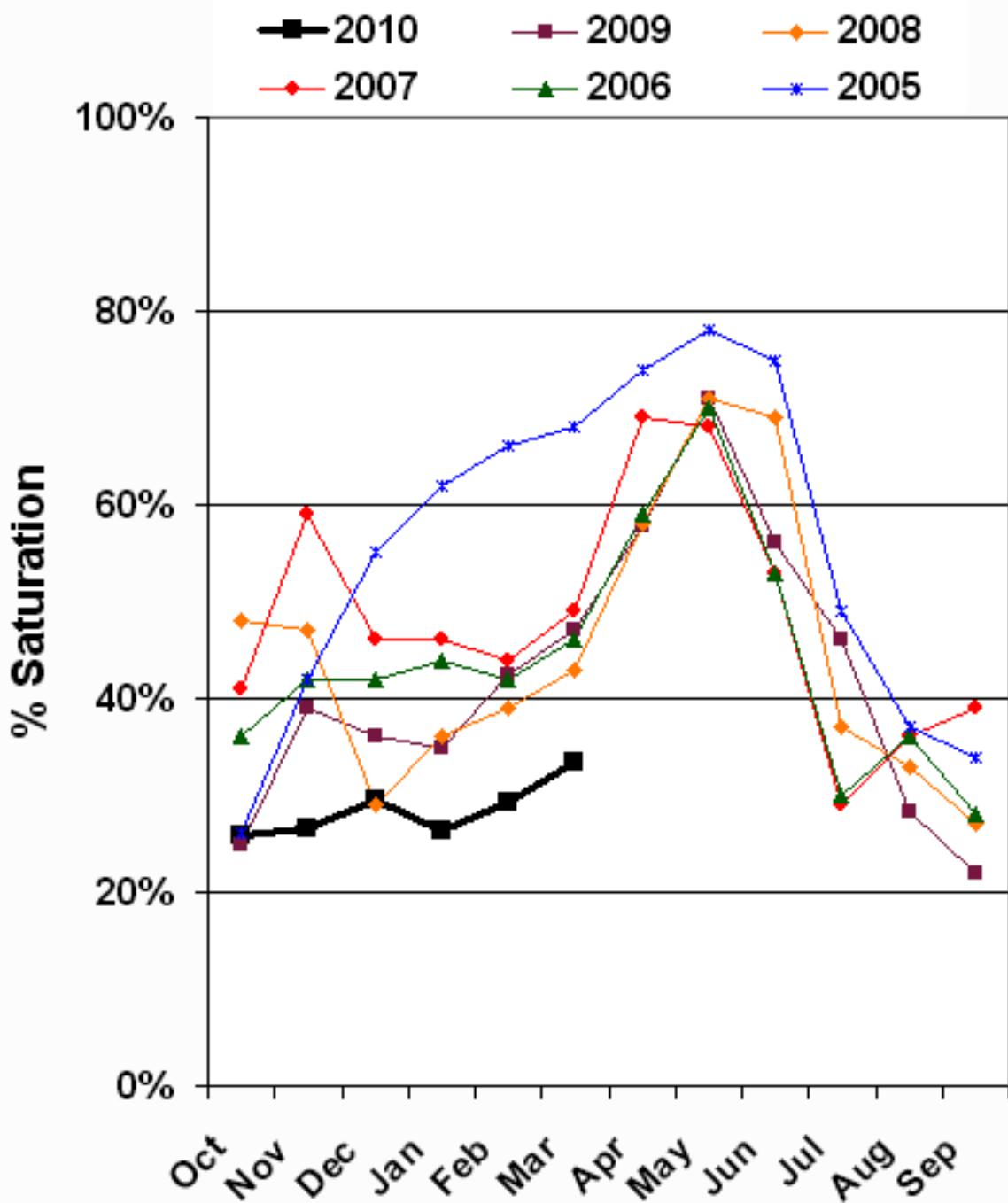


**Basinwide Average
108%**

0 5 10 20 30 40 50 Miles

*Provisional Data
Subject to Revision*

Sevier/Beaver River Soil Moisture



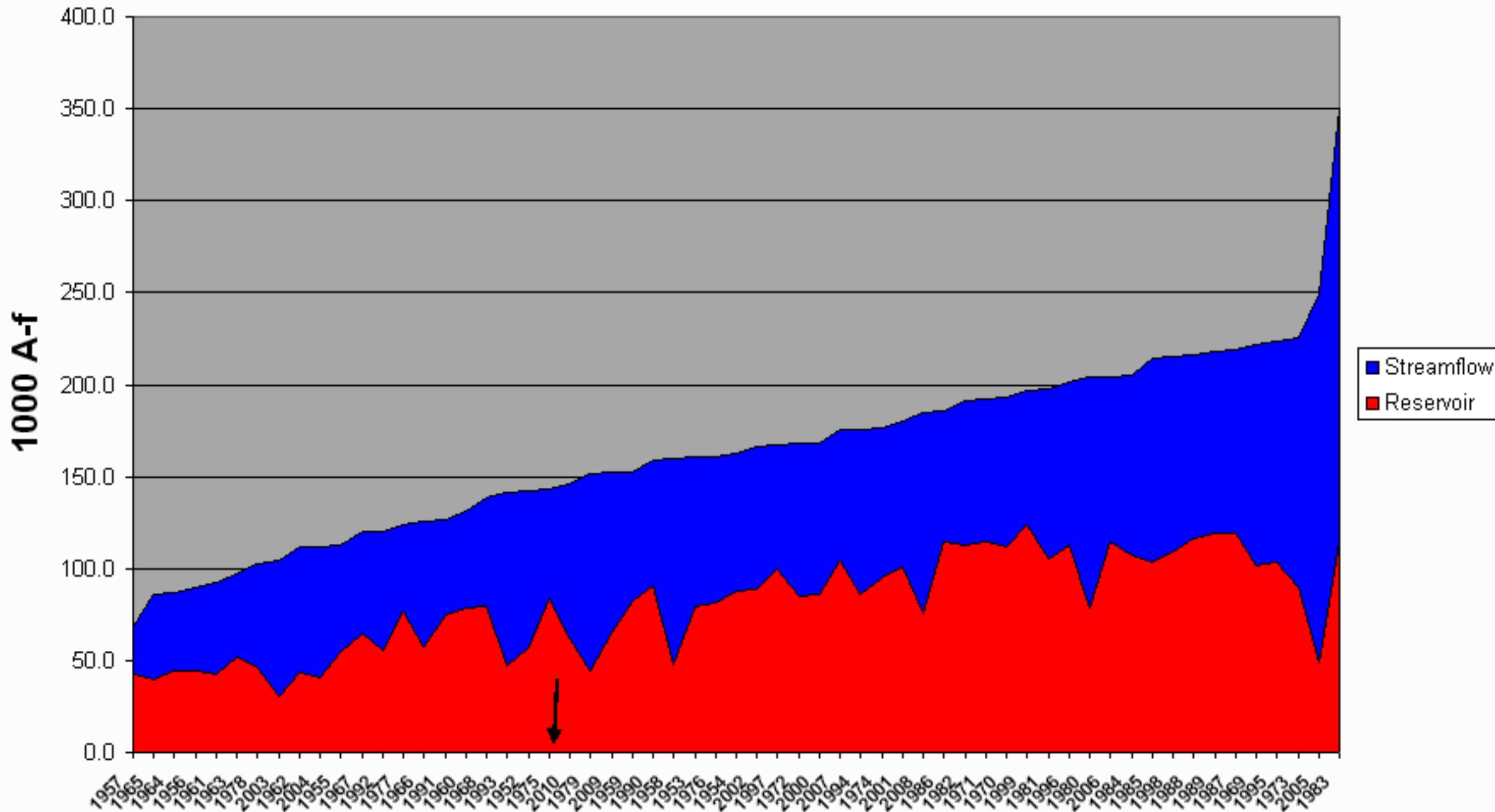
Upper Sevier River SWSI
March

#	Year	EOM		April-July Forecast	Streamflow -	Probability	SWSI
		February Piute+Otter Creek Reservoir Storage	1000-AF		Sevier inflow Piute		
1	1957	42.4	25.8	68.2	2	-4.03	
2	1965	39.4	46.9	86.3	3	-3.89	
3	1964	44.1	42.9	87.0	5	-3.75	
4	1956	44.7	44.5	89.2	7	-3.61	
5	1961	42.9	49.1	92.0	8	-3.47	
6	1963	52.1	44.5	96.6	10	-3.33	
7	1978	46.0	56.9	102.9	12	-3.19	
8	2003	30.1	73.9	104.0	13	-3.06	
9	1962	43.5	68.0	111.5	15	-2.92	
10	2004	41.0	70.8	111.8	17	-2.78	
11	1955	54.3	58.5	112.8	18	-2.64	
12	1967	64.5	55.2	119.7	20	-2.50	
13	1992	55.2	64.9	120.1	22	-2.36	
14	1977	76.4	47.0	123.4	23	-2.22	
15	1966	57.4	68.4	125.8	25	-2.08	
16	1991	75.3	51.0	126.3	27	-1.94	
17	1960	78.7	52.5	131.2	28	-1.81	
18	1968	79.1	59.9	139.0	30	-1.67	
19	1993	47.5	93.6	141.2	32	-1.53	
20	1952	57.2	85.2	142.4	33	-1.39	
21	1975	84.3	58.5	142.8	35	-1.25	
22	2010	62.2	84.0	146.2	37	-1.11	
23	1979	44.2	106.9	151.1	38	-0.97	
24	2009	65.8	87	152.8	40	-0.83	
25	1959	82.1	70.8	152.9	42	-0.69	
26	1990	90.8	68.3	159.1	43	-0.56	
27	1958	47.9	112.3	160.2	45	-0.42	
28	1953	79.3	81.2	160.5	47	-0.28	
29	1976	80.9	79.6	160.5	48	-0.14	
30	1954	87.9	74.8	162.7	50	0.00	
31	2002	88.7	77.2	165.9	52	0.14	
32	1997	99.7	67.4	167.0	53	0.28	
33	1972	84.6	83.5	168.1	55	0.42	
34	2000	85.6	82.5	168.1	57	0.56	
35	2007	104.2	71.3	175.5	58	0.69	
36	1994	85.7	89.9	175.7	60	0.83	
37	1974	95.2	81.1	176.3	62	0.97	
38	2001	100.9	79.5	180.4	63	1.11	
39	2008	76.2	109	185.2	65	1.25	
40	1986	114.1	71.5	185.6	67	1.39	

41	1982	112.4	78.4	190.8	68	1.53
42	1971	114.9	77.3	192.2	70	1.67
43	1970	111.8	81.2	193.0	72	1.81
44	1999	123.8	72.5	196.3	73	1.94
45	1981	105.0	93.0	198.0	75	2.08
46	1996	112.6	88.4	201.0	77	2.22
47	1980	78.6	125.8	204.4	78	2.36
48	2006	114.9	89.7	204.6	80	2.50
49	1984	107.0	98.2	205.2	82	2.64
50	1985	103.7	110.2	213.9	83	2.78
51	1998	108.6	106.8	215.4	85	2.92
52	1988	116.0	100.4	216.4	87	3.06
53	1989	119.0	98.7	217.7	88	3.19
54	1987	119.5	99.1	218.6	90	3.33
55	1969	102.0	119.9	221.9	92	3.47
56	1995	103.4	120.0	223.4	93	3.61
57	1973	89.2	136.4	225.6	95	3.75
58	2005	48.9	200.8	249.7	97	3.89
59	1983	115.0	234.9	349.9	98	4.03

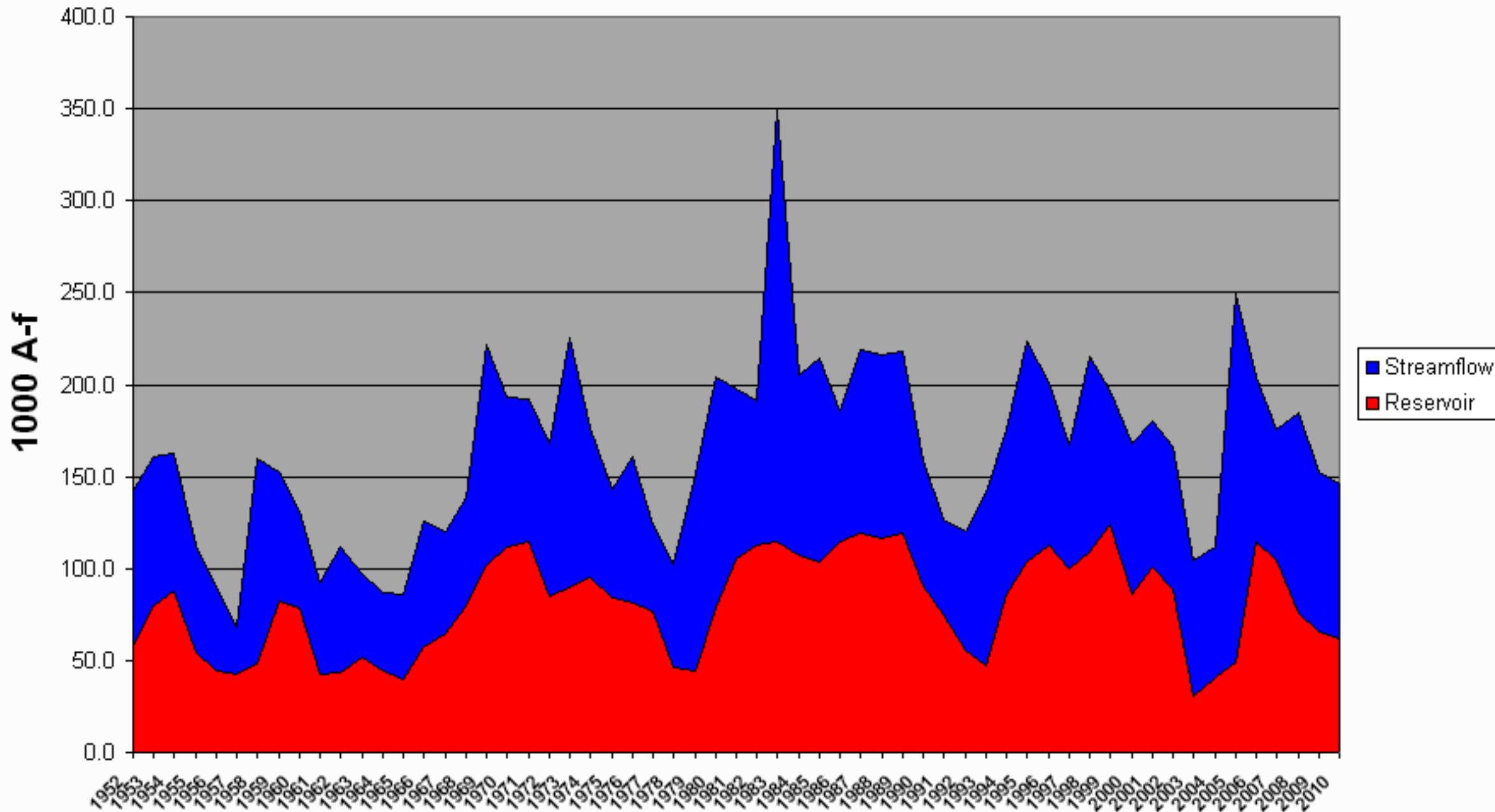
Upper Sevier River Surface Water Supply Index

March



Upper Sevier River Surface Water Supply Index

March



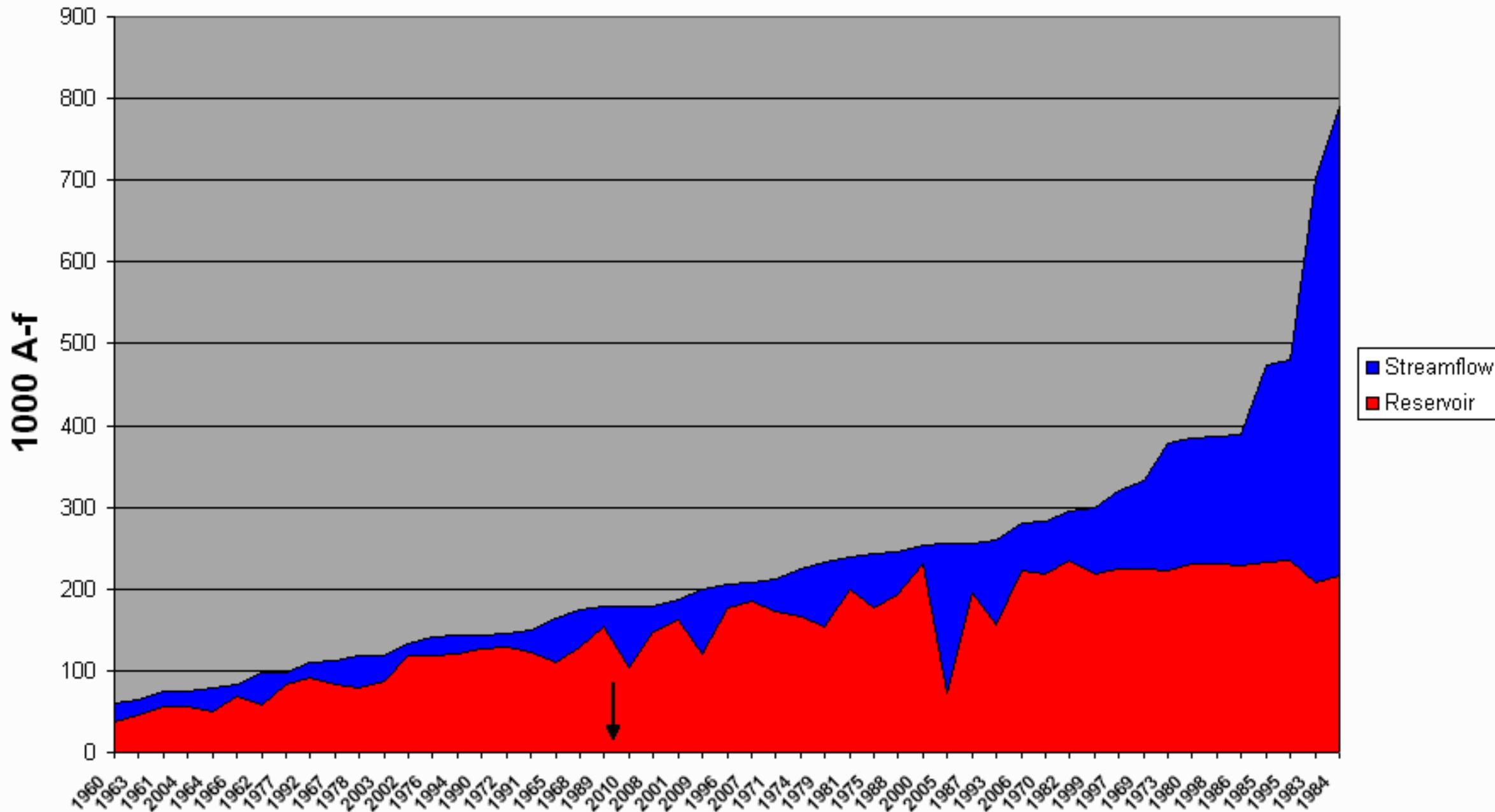
Lower Sevier River SWSI
March

#	Year	1000-AF	EOM		Probability	SWSI
			February Sevier Bridge Reservoir Storage	April-July Forecast Streamflow - Sevier at Gunnison		
#	Year	1000-AF	1000-AF	1000-AF	Probability	SWSI
1	1960	37.1	22.7	59.8	2	-4.01
2	1963	45.8	18.4	64.2	4	-3.85
3	1961	56.5	18.3	74.8	6	-3.69
4	2004	56.4	19.5	75.9	8	-3.53
5	1964	50.7	27.6	78.3	10	-3.37
6	1966	68.5	14.8	83.3	12	-3.21
7	1962	57.8	38.9	96.7	13	-3.04
8	1977	82.6	15.8	98.4	15	-2.88
9	1992	91.32	19.2	110.5	17	-2.72
10	1967	83	30.1	113.1	19	-2.56
11	1978	79.8	37.7	117.5	21	-2.40
12	2003	87	30.9	117.9	23	-2.24
13	2002	119.4	12.6	132.0	25	-2.08
14	1976	117.7	24.3	142.0	27	-1.92
15	1994	121.3	21.3	142.6	29	-1.76
16	1990	126.3	17.2	143.5	31	-1.60
17	1972	128.8	16.8	145.6	33	-1.44
18	1991	122.8	27.8	150.6	35	-1.28
19	1965	109.8	53.4	163.2	37	-1.12
20	1968	128.8	46.8	175.6	38	-0.96
21	1989	152.9	25.4	178.3	40	-0.80
22	2010	103.7	75	178.7	42	-0.64
23	2008	148.1	31.6	179.7	44	-0.48
24	2001	162.9	23.6	186.5	46	-0.32
25	2009	120.4	80	200.4	48	-0.16
26	1996	177.6	28.1	205.7	50	0.00
27	2007	185.4	22.29	207.7	52	0.16
28	1971	172.7	39.9	212.6	54	0.32
29	1974	165.4	58.3	223.7	56	0.48
30	1979	152.9	79.7	232.6	58	0.64
31	1981	199.5	40.6	240.1	60	0.80
32	1975	176.9	66.4	243.3	62	0.96
33	1988	192.9	52.7	245.6	63	1.12
34	2000	229.7	23.6	253.3	65	1.28
35	2005	72	184.6	256.6	67	1.44
36	1987	195.7	60.9	256.6	69	1.60
37	1993	155.1	104.1	259.2	71	1.76
38	2006	223	56.8	279.8	73	1.92
39	1970	218.2	64.8	283.0	75	2.08
40	1982	234	60.4	294.4	77	2.24

41	1999	219.2	81.1	300.3	79	2.40
42	1997	224.1	95.4	319.5	81	2.56
43	1969	224.4	108.3	332.7	83	2.72
44	1973	222.3	156.8	379.1	85	2.88
45	1980	230.8	154.7	385.5	87	3.04
46	1998	230.8	155.0	385.8	88	3.21
47	1986	227.6	160.5	388.1	90	3.37
48	1985	231.9	242.4	474.3	92	3.53
49	1995	234	245.2	479.2	94	3.69
50	1983	208.1	494.5	702.6	96	3.85
51	1984	217.2	572.7	789.9	98	4.01

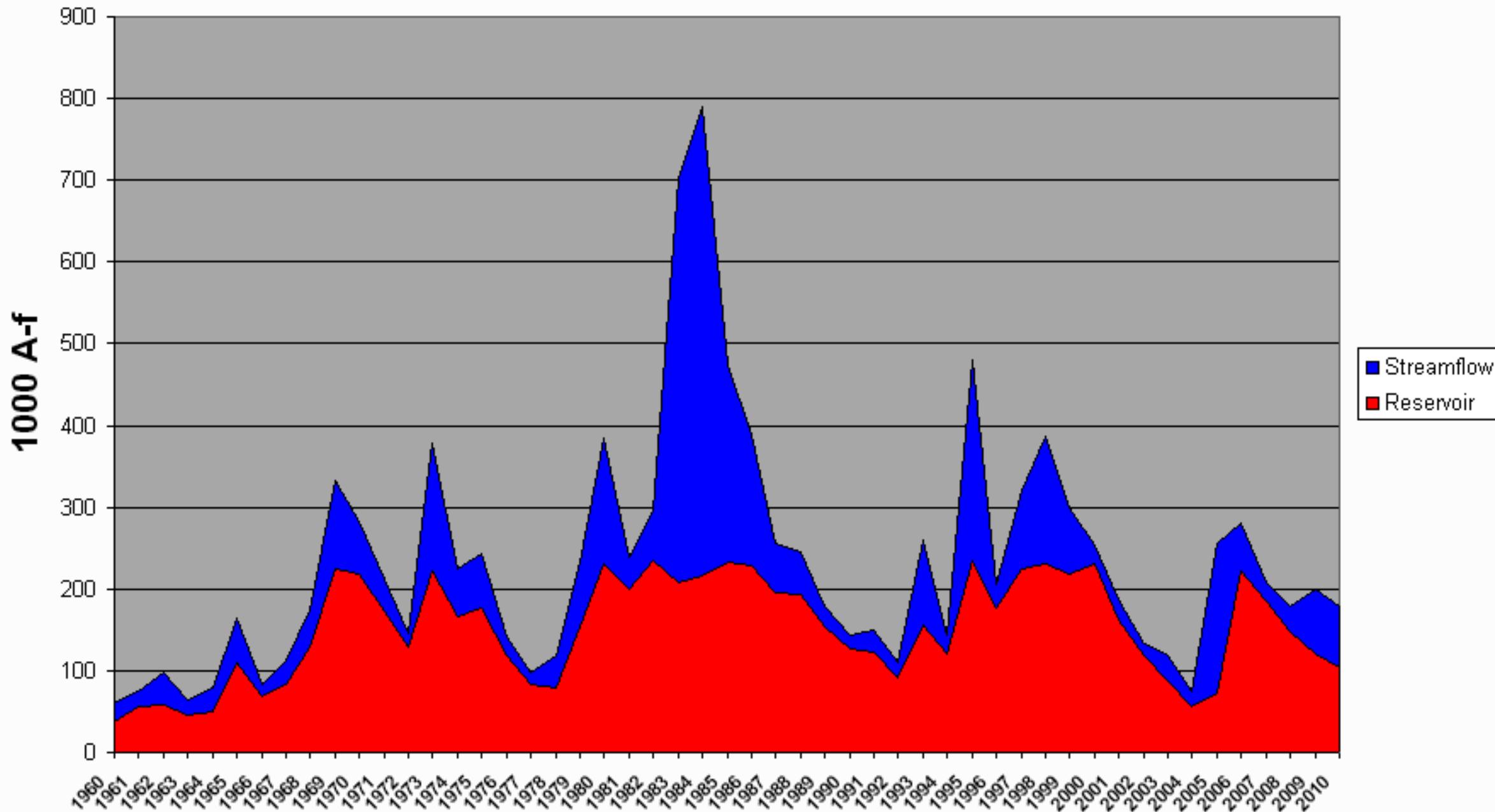
Lower Sevier River Surface Water Supply Index

March



Lower Sevier River Surface Water Supply Index

March



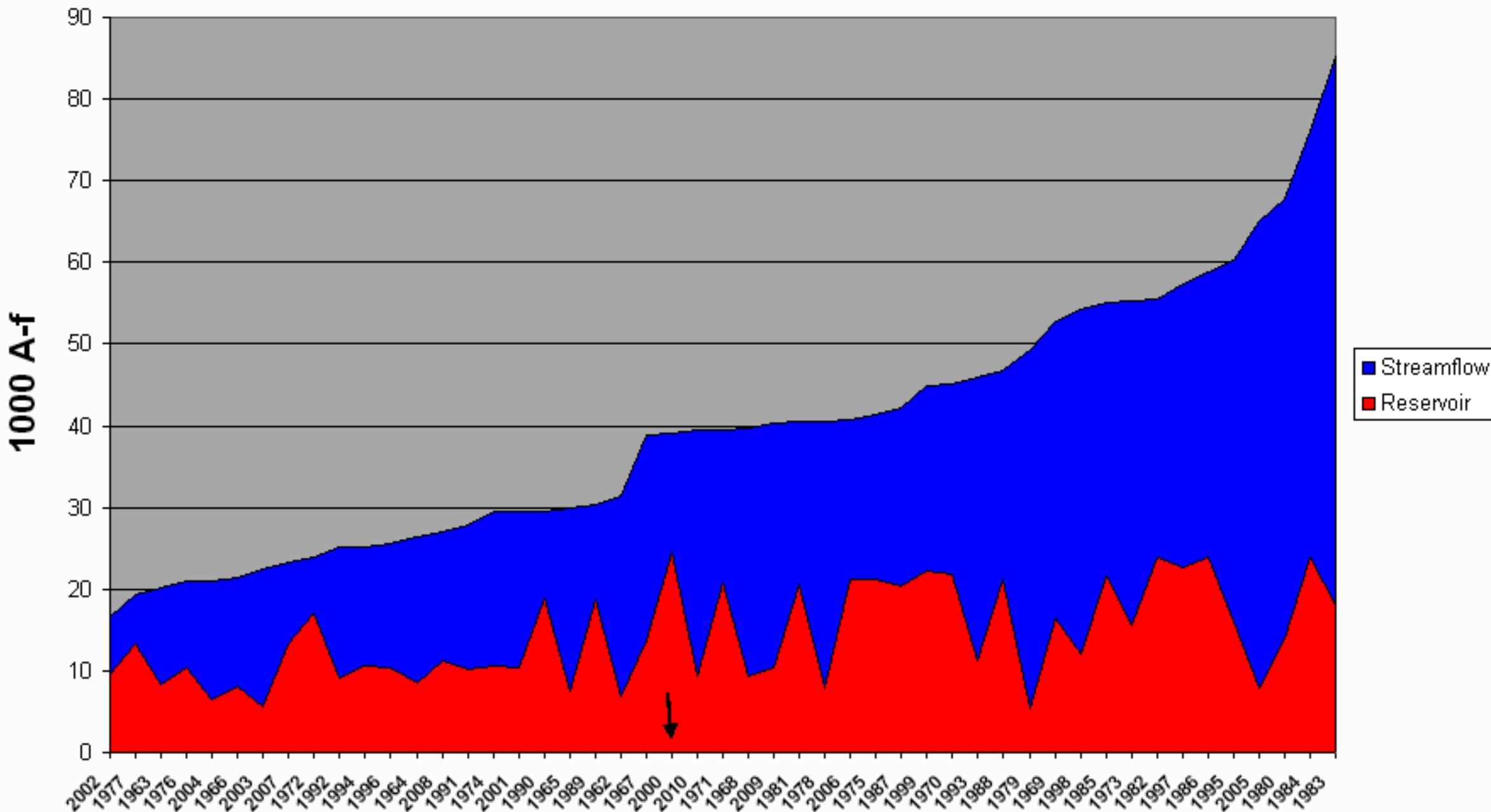
Beaver River SWSI
March

#	Year	EOM February Minerville Reservoir Storage	April-July Forecast Streamflow -	Reservoir + Streamflow		
		1000-AF	1000-AF	1000-AF	Probability	SWSI
1	2002	9.6	7.0	16.6	2	-4.00
2	1977	13.3	6.1	19.4	4	-3.83
3	1963	8.3	11.9	20.2	6	-3.67
4	1976	10.4	10.5	20.9	8	-3.50
5	2004	6.5	14.5	21.0	10	-3.33
6	1966	8.1	13.2	21.3	12	-3.17
7	2003	5.7	16.7	22.4	14	-3.00
8	2007	13.2	10.1	23.3	16	-2.83
9	1972	17.1	6.7	23.8	18	-2.67
10	1992	9.1	16.1	25.1	20	-2.50
11	1994	10.5	14.7	25.2	22	-2.33
12	1996	10.3	15.2	25.5	24	-2.17
13	1964	8.5	17.9	26.4	26	-2.00
14	2008	11.2	15.8	27	28	-1.83
15	1991	10.1	17.7	27.8	30	-1.67
16	1974	10.7	18.8	29.5	32	-1.50
17	2001	10.4	19.1	29.5	34	-1.33
18	1990	19.0	10.6	29.6	36	-1.17
19	1965	7.4	22.5	29.9	38	-1.00
20	1989	18.8	11.6	30.4	40	-0.83
21	1962	6.9	24.5	31.4	42	-0.67
22	1967	13.8	25.2	39.0	44	-0.50
23	2000	24.5	14.5	39.0	46	-0.33
24	2010	9.4	30	39.4	48	-0.17
25	1971	20.7	18.7	39.4	50	0.00
26	1968	9.3	30.3	39.6	52	0.17
27	2009	10.3	30	40.3	54	0.33
28	1981	20.5	20.0	40.5	56	0.50
29	1978	7.8	32.8	40.6	58	0.67
30	2006	21.1	19.6	40.7	60	0.83
31	1975	21.3	20.1	41.4	62	1.00
32	1987	20.3	21.8	42.1	64	1.17
33	1999	22.2	22.6	44.8	66	1.33
34	1970	21.9	23.2	45.1	68	1.50
35	1993	11.2	34.9	46.0	70	1.67
36	1988	21.2	25.6	46.8	72	1.83
37	1979	5.5	43.8	49.3	74	2.00
38	1969	16.4	36.3	52.7	76	2.17
39	1998	12.0	42.2	54.2	78	2.33
40	1985	21.7	33.3	55.0	80	2.50
41	1973	15.5	39.7	55.2	82	2.67

42	1982	24.0	31.5	55.5	84	2.83
43	1997	22.8	34.6	57.3	86	3.00
44	1986	23.9	34.8	58.7	88	3.17
45	1995	15.9	44.4	60.3	90	3.33
46	2005	8.0	57.1	65.1	92	3.50
47	1980	13.9	53.9	67.8	94	3.67
48	1984	23.9	52.3	76.2	96	3.83
49	1983	18.0	67.2	85.2	98	4.00

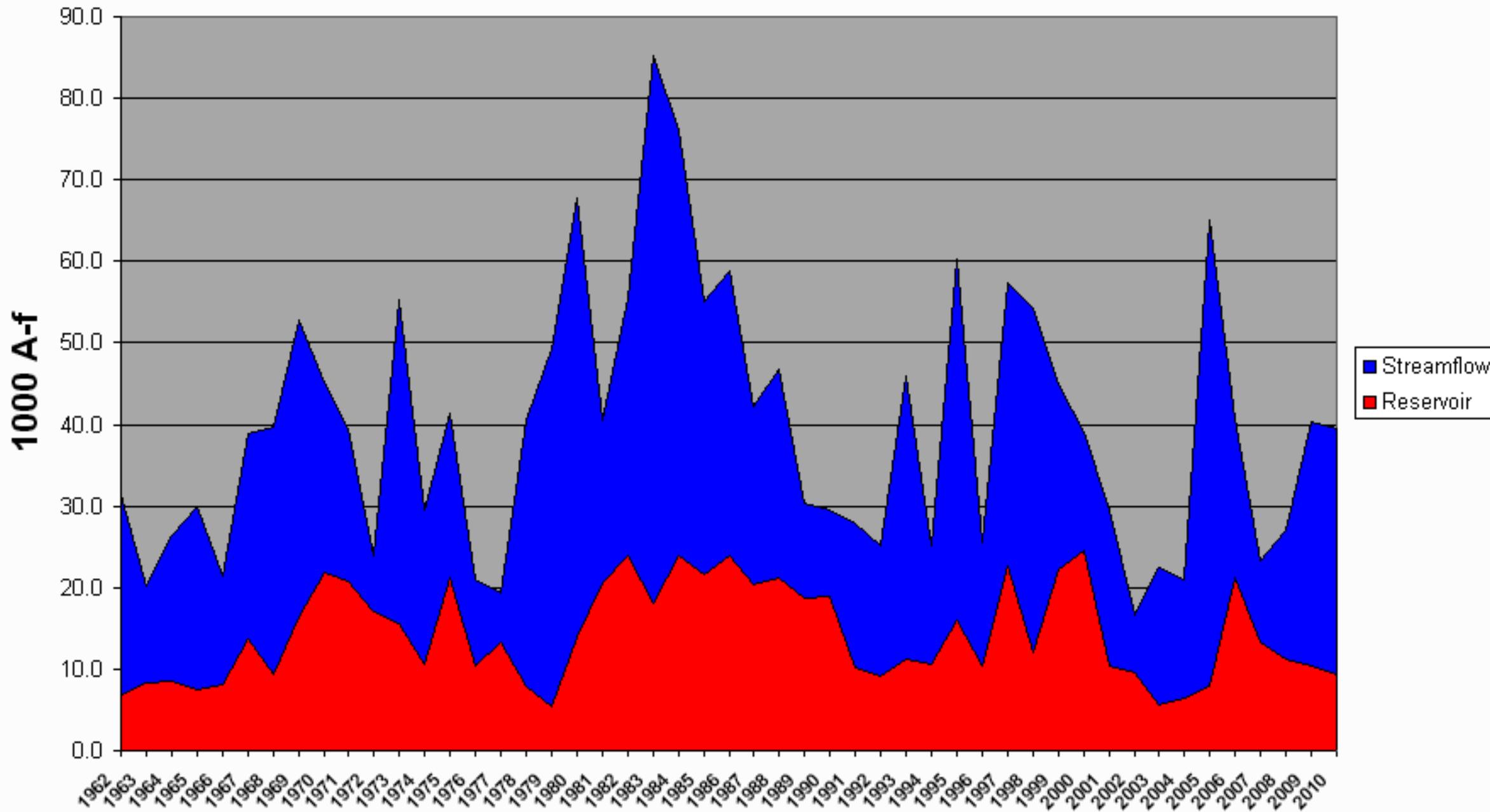
Beaver River Surface Water Supply Index

March



Beaver River Surface Water Supply Index

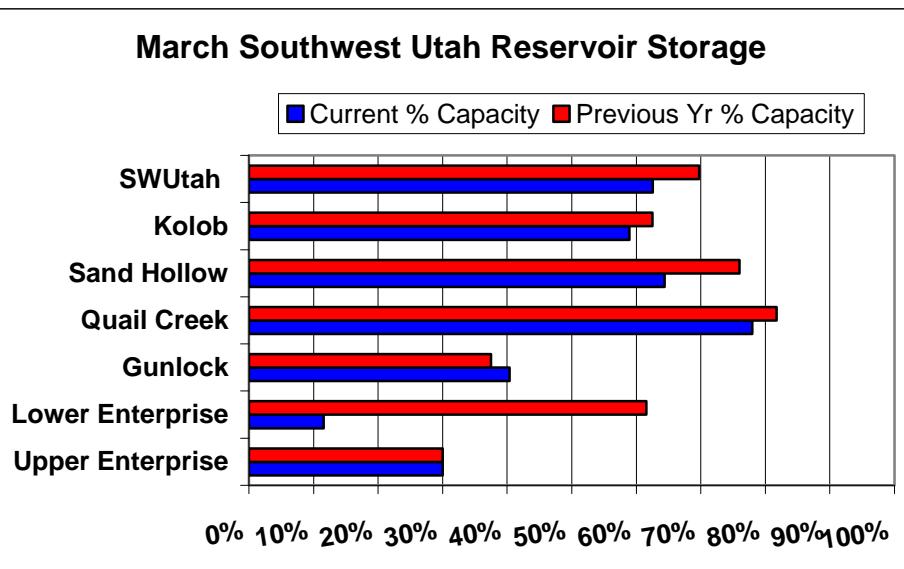
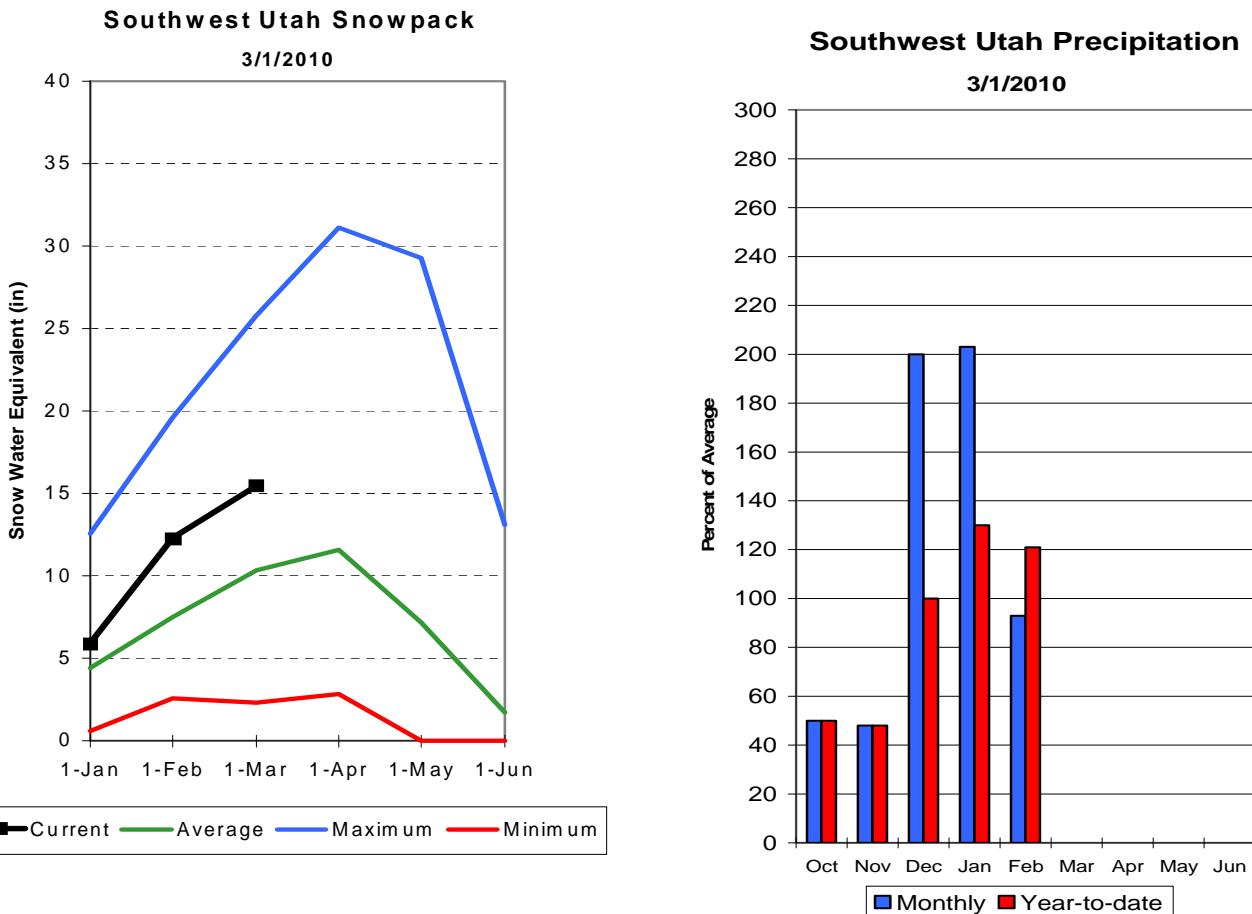
March



E. Garfield, Kane, Washington, & Iron Co.

March 1, 2010

Snowpacks in this region are much above normal at 150% of average, which is 126% of last year. Individual sites range from 89% at Donkey Reservoir Snotel, to 250% of average at Little Grassy Snotel. Precipitation during the month of February was near average at 93%, bringing the seasonal accumulation (Oct-Feb) to 121% of average. The average soil moisture estimate in runoff producing areas is at 30% of saturation within the upper 2 feet of soil, compared to 43% last year. Forecast streamflows (Apr-July) range from 68% to 127% of average. Reservoir storage is at 63% of capacity, 7% less than last year. The Surface Water Supply Index is at 80%, indicating above average water supply conditions.



E. GARFIELD, KANE, WASHINGTON, & IRON Co. as of March 1, 2010

E. GARFIELD, KANE, WASHINGTON, & IRON Co.
Streamflow Forecasts - March 1, 2010

Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>						
		Chance Of Exceeding *		50%		30% 10%		30-Yr Avg.
		90% (1000AF)	70% (1000AF)	(1000AF) (% AVG.)	(1000AF)	(1000AF)	(1000AF)	(1000AF)
Lake Powell Inflow (2)	APR-JUL	3500	4320	5400	68	6880	8200	7930
Virgin River at Virgin	APR-JUL	52	68	80	125	93	113	64
Virgin River nr Hurricane	APR-JUL	51	71	86	125	103	130	69
Santa Clara River nr Pine Valley	APR-JUL	4.20	5.80	7.00	127	8.30	10.50	5.50
Coal Creek nr Cedar City	APR-JUL	15.2	20	24	124	28	33	19.3

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

E. GARFIELD, KANE, WASHINGTON, & IRON Co.
Watershed Snowpack Analysis - March 1, 2010

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr Average	
		This Year	Last Year	Avg				
GUNLOCK	10.4	4.2	3.9	4.9	VIRGIN RIVER	5	113	148
LAKE POWELL	24322.0	13786.0	12977.0	---	PAROWAN	2	117	128
QUAIL CREEK	40.0	31.2	32.7	29.7	ENTERPRISE TO NEW HARMONY	2	181	205
UPPER ENTERPRISE	10.0	0.3	3.0	---	COAL CREEK	2	113	135
LOWER ENTERPRISE	2.6	0.2	1.6	90.0	ESCALANTE RIVER	2	138	113
					SOUTHWESTERN UTAH	9	123	150

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

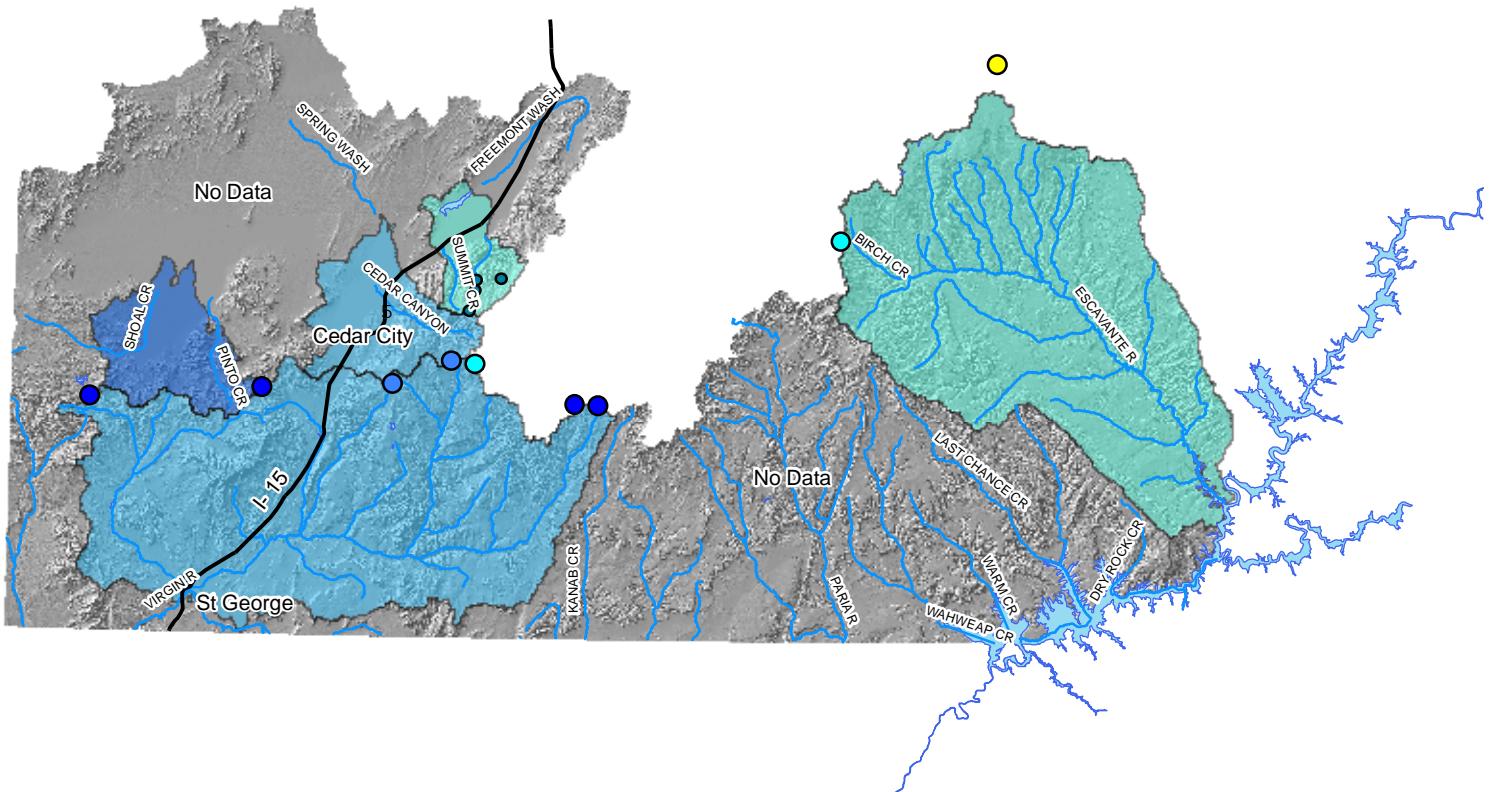
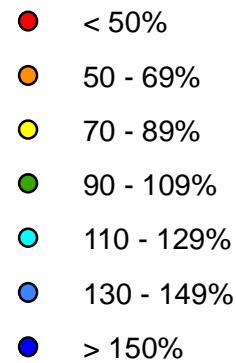
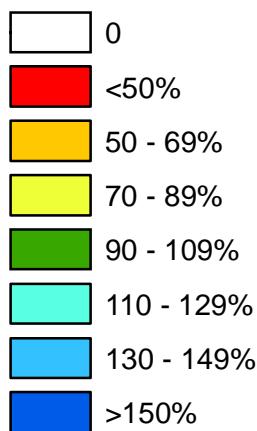
The average is computed for the 1971-2000 base period.

- (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.

E. Garfield, Kane, Washington & Iron County

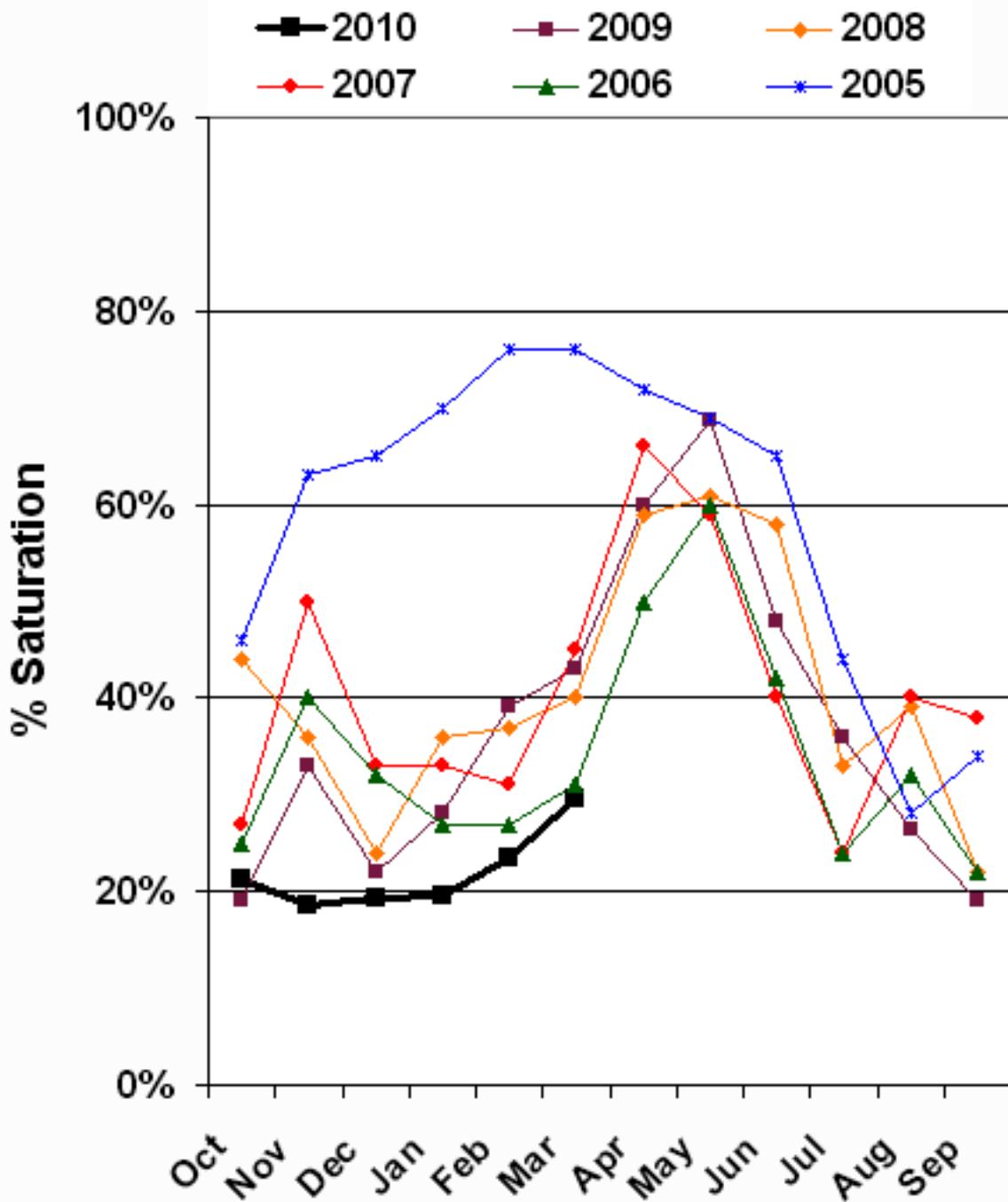


Watershed % of Average Snotel % of Average



**Basin Average
147%**

Southwest Utah Soil Moisture



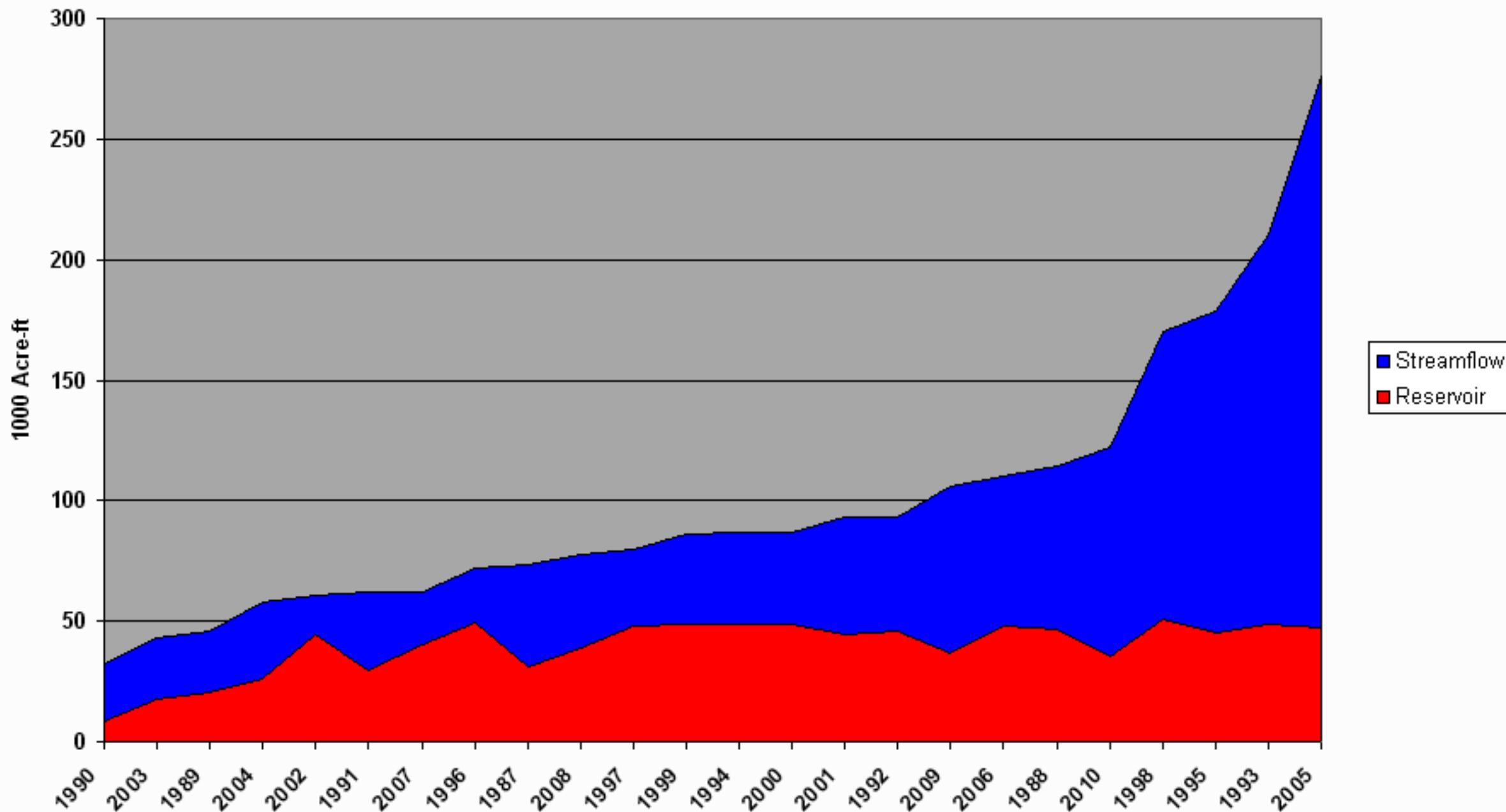
VIRGIN RIVER BASIN SWSI

March 1

#	WY	EOM		Reservoir + Streamflow	Probability	SWSI
		February Reservoir	Apr-Jul Streamflow			
1	1990	9	24	32	4%	-3.83
2	2003	18	25	43	8%	-3.50
3	1989	21	25	46	12%	-3.17
4	2004	26	32	58	16%	-2.83
5	2002	45	16	60	20%	-2.50
6	1991	30	32	62	24%	-2.17
7	2007	41	22	62	28%	-1.83
8	1996	49	23	72	32%	-1.50
9	1987	31	43	74	36%	-1.17
10	2008	39	39	78	40%	-0.83
11	1997	48	32	80	44%	-0.50
12	1999	48	38	86	48%	-0.17
13	1994	48	38	87	52%	0.17
14	2000	48	39	87	56%	0.50
15	2001	45	48	93	60%	0.83
16	1992	46	47	93	64%	1.17
17	2009	37	69	106	68%	1.50
18	2006	48	62	110	72%	1.83
19	1988	47	67	114	76%	2.17
20	2010	35	87	122	80%	2.50
21	1998	51	119	170	84%	2.83
22	1995	45	133	178	88%	3.17
23	1993	49	162	210	92%	3.50
24	2005	48	228	276	96%	3.83

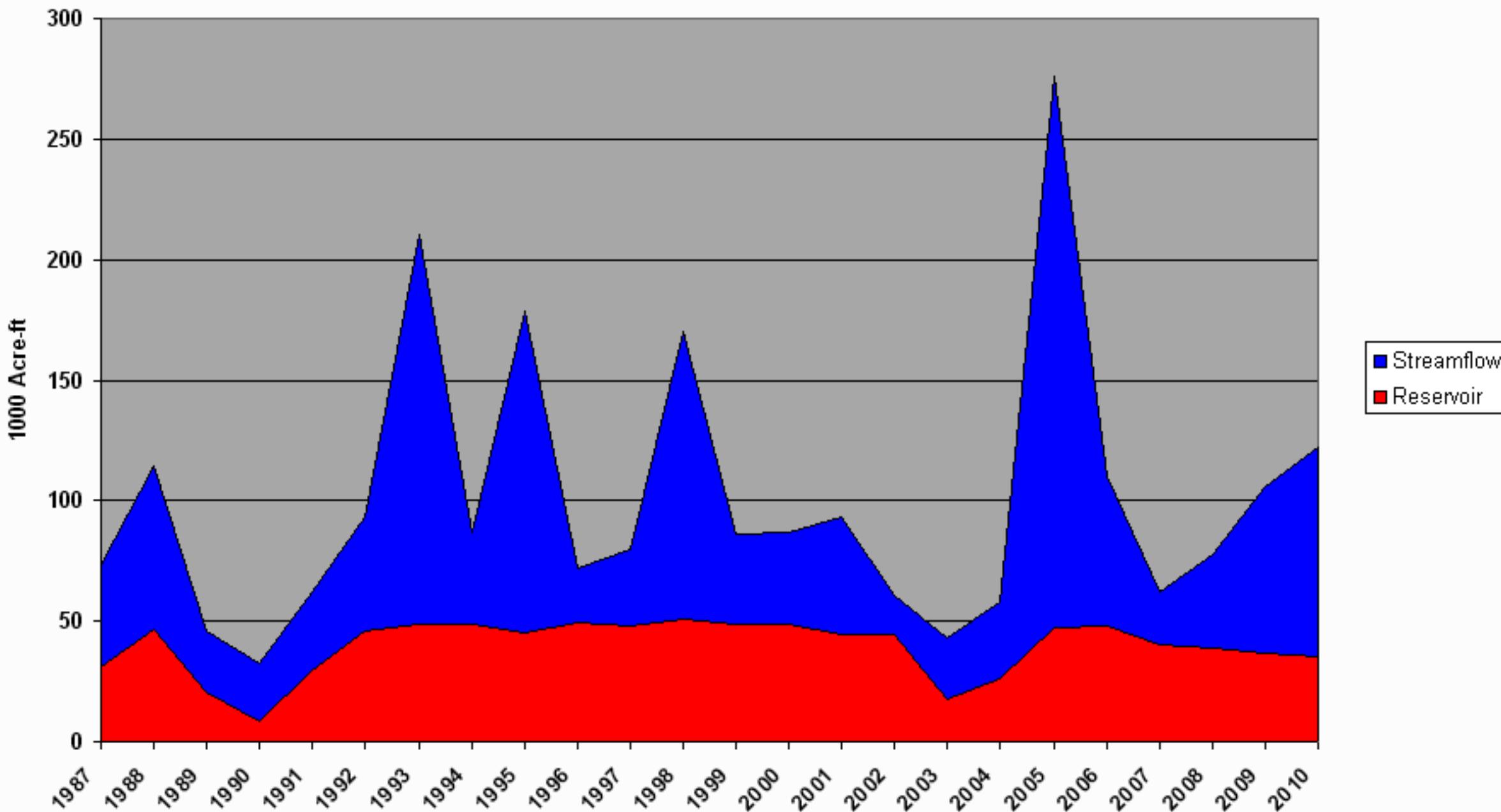
Virgin River Surface Water Supply Index

March



Virgin River Surface Water Supply Index

March



DATA CURRENT AS OF:03/02/10 10:58:42

SNOW COURSE	ELEV.	DATE	S N O W	C O U R S E	D A T A	LAST YEAR	AVERAGE 71-00
			DEPTH	WATER CONTENT	MARCH 2010		
AGUA CANYON SNOTEL	8900	3/01	43	12.5	9.1	7.3	
ALTA CENTRAL	8800	2/25	85	23.1	30.7	31.1	
BEAVER DAMS SNOTEL	8000	3/01	35	8.5	6.2	10.2	
BEAVER DIVIDE SNOTEL	8280	3/01	35	8.0	9.7	10.2	
BEN LOMOND PK SNOTEL	8000	3/01	71	24.3	39.2	34.3	
BEN LOMOND TR SNOTEL	6000	3/01	48	14.0	18.8	19.0	
BEVAN'S CABIN	6450	2/25	25	5.1	7.8	9.2	
BIG FLAT SNOTEL	10290	3/01	68	17.0	18.0	15.0	
BIRCH CROSSING	8100	2/24	30	7.7	6.4	6.7	
BLACK FLAT-U.M. CK S	9400	3/01	39	8.9	6.3	8.5	
BLACK'S FORK GS-EF	9340	2/27	25	4.7	7.6	7.8	
BLACK'S FORK JUNCTN	8930	2/27	24	4.3	5.8	7.7	
BOX CREEK SNOTEL	9800	3/01	48	11.6	11.0	11.0	
BRIAN HEAD	10000	2/24	63	18.7	16.0	16.5	
BRIGHTON SNOTEL	8750	3/01	51	14.4	17.4	20.4	
BRIGHTON CABIN	8700	2/24	53	15.0	19.5	23.1	
BROWN DUCK SNOTEL	10600	3/01	40	9.1	13.3	15.0	
BRYCE CANYON	8000	2/25	38	9.4	6.7	4.9	
BUCK FLAT SNOTEL	9800	3/01	43	10.8	13.3	15.3	
BUCK PASTURE	9700	2/27	44	8.5	10.2	14.0	
BUCKBOARD FLAT	9000				10.9	11.0	
BUG LAKE SNOTEL	7950	3/01	37	7.6	14.3	17.1	
BURT'S-MILLER RANCH	7900	2/27	12	2.2	4.8	4.7	
BURTS-MILLER RANCH S	7860	3/01	18	3.0	-	-	
CAMP JACKSON SNOTEL	8600	3/01	63	18.3	12.7	12.9	
CASCADE MOUNTAIN SNO	7770	3/01	48	12.5	18.9	-	
CASTLE VALLEY SNOTEL	9580	3/01	57	15.0	11.1	11.8	
CHALK CK #1 SNOTEL	9100	3/01	46	13.1	17.8	19.9	
CHALK CK #2 SNOTEL	8200	3/01	32	7.1	12.3	12.9	
CHALK CREEK #3	7500	2/27	21	4.8	6.3	6.8	
CHEPETA SNOTEL	10300	3/01	40	9.8	10.6	11.4	
CLAYTON SPRINGS SNTL	10000	3/01	49	12.2	9.7	-	
CLEAR CK RIDG #1 SNT	9200	3/01	39	9.9	14.7	16.7	
CLEAR CK RIDG #2 SNT	8000	3/01	34	7.4	10.6	12.3	
CORRAL	8200				7.1	-	
CURRENT CREEK SNOTEL	8000	3/01	29	7.3	8.3	9.6	
DANIELS-STRAWBERRY S	8000	3/01	35	7.6	12.5	15.1	
DILL'S CAMP SNOTEL	9200	3/01	37	9.3	8.8	12.3	
DONKEY RESERVOIR SNO	9800	3/01	32	5.9	4.3	6.6	
DRY BREAD POND SNTL	8350	3/01	37	9.4	16.4	19.0	
DRY FORK SNOTEL	7160	3/01	34	7.9	9.9	14.5	
EAST WILLOW CREEK SN	8250	3/01	44	10.6	7.5	7.1	
FARMINGTON U. SNOTEL	8000	3/01	68	17.5	33.5	27.3	
FARMINGTON L. SNOTEL	6780	3/01	48	13.9	21.3	-	
FARNSWORTH LK SNOTEL	9600	3/01	60	13.7	12.1	14.8	
FISH LAKE	8700	2/25	35	8.3	3.6	7.5	
FIVE POINTS LAKE SNO	10920	3/01	37	10.9	11.9	13.8	
G.B.R.C. HEADQUARTER	8700	2/27	39	9.0	11.7	13.8	
G.B.R.C. MEADOWS	10000	2/27	54	14.0	17.9	19.0	
GARDEN CITY SUMMIT	7600	2/25	32	7.5	9.3	13.5	
GARDEN CITY SUMMIT S	7700	3/01	37	9.9	-	-	
GARDNER PEAK SNOTEL	8350	3/01	55	14.9	14.8	-	
GEORGE CREEK	8840	2/25	53	17.4	19.0	17.3	
GOOSEBERRY R.S.	8400	2/25	41	8.8	7.7	9.9	
GOOSEBERRY R.S. SNTL	7900	3/01	33	7.4	6.0	7.9	
GUTZ PEAK SNOTEL	6820	3/01	58	18.2	14.5	-	
HARDSCRABBLE SNOTEL	7250	3/01	45	12.6	15.3	14.3	
HARRIS FLAT SNOTEL	7700	3/01	41	12.9	11.4	6.9	
HAYDEN FORK SNOTEL	9100	3/01	36	8.6	13.1	13.2	
HENRY'S FORK	10000	2/27	37	7.0	7.2	10.5	
HEWINTA SNOTEL	9500	3/01	27	5.3	6.5	9.1	
HICKERSON PARK SNTL	9100	3/01	26	5.2	3.3	5.8	
HIDDEN SPRINGS	5500	2/24	20	5.1	6.4	5.9	
HOBBLE CREEK SUMMIT	7420	2/25	38	9.9	12.5	13.1	
HOLE-IN-ROCK SNOTEL	9150	3/01	24	4.2	3.2	5.7	
HORSE RIDGE SNOTEL	8260	3/01	40	9.4	17.5	20.2	
HUNTINGTON-HORSESHOE	9800	2/25	46	12.1	20.0	19.4	
INDIAN CANYON SNOTEL	9100	3/01	33	8.1	9.1	9.6	
JOHNSON VALLEY	8850	2/25	35	7.8	4.5	6.4	
JONES CORRAL SNOTEL	9750	3/01	40	9.6	8.3	-	
KILFOIL CREEK	7300	2/27	27	6.6	11.5	12.4	
KILLYON CANYON	6300	2/24	25	6.9	7.4	8.7	
KIMBERLY MINE SNOTEL	9300	3/01	56	12.2	14.2	13.3	

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
KING'S CABIN SNOTEL	8730	3/01	32	8.1	6.9	9.4
KLONDIKE NARROWS	7400	2/25	45	12.8	16.0	16.8
KLONDIKE NARROWS SNO	7300	3/01	42	12.1	-	-
KOLOB SNOTEL	9250	3/01	78	23.9	24.1	17.8
LAKEFORK #1 SNOTEL	10100	3/01	29	8.3	9.2	10.5
LAKEFORK BASIN SNTL	10900	3/01	47	10.7	16.1	16.5
LAKEFORK #3 SNOTEL	8500	3/01	22	5.2	-	-
LAKEFORK MOUNTAIN #3	8400	2/27	22	4.4	4.8	6.1
LAMBS CANYON	7400	2/25	48	11.6	13.3	14.5
LASAL MOUNTAIN LOWER	8800				6.8	8.1
LASAL MOUNTAIN SNTL	9850	3/01	54	14.1	10.7	10.7
LIGHTNING RIDGE SNTL	8220	3/01	34	9.3	15.1	-
LILY LAKE SNOTEL	9050	3/01	35	7.5	10.6	10.8
LITTLE BEAR SNOTEL	6550	3/01	29	7.7	11.7	12.8
LITTLE GRASSY SNOTEL	6100	3/01	34	14.5	5.8	5.8
LONG FLAT SNOTEL	8000	3/01	45	12.5	9.1	7.4
LONG VALLEY JCT. SNT	7500	3/01	38	12.8	8.5	5.8
LOOKOUT PEAK SNOTEL	8200	3/01	57	15.1	23.3	20.1
LOST CREEK RESERVOIR	6130	2/27	16	3.5	6.1	5.9
LOUIS MEADOW SNOTEL	6700	3/01	49	14.1	18.9	-
MAMMOTH-COTTONWD SNT	8800	3/01	42	11.8	16.0	17.6
MERCHANTABILITY SNTL	8750	3/01	56	13.8	14.1	11.4
MIDDLE CANYON	7000	2/25	37	8.8	11.2	12.2
MIDWAY VALLEY SNOTEL	9800	3/01	85	24.8	22.8	19.4
MILL CREEK	6950	2/24	48	11.2	16.0	16.6
MILL-D NORTH SNOTEL	8960	3/01	48	13.1	20.2	21.0
MILL-D SOUTH FORK	7400	2/24	45	11.8	14.7	16.9
MINING FORK SNOTEL	8000	3/01	42	11.5	14.8	14.9
MONTE CRISTO SNOTEL	8960	3/01	50	13.7	20.1	24.7
MOSBY MTN. SNOTEL	9500	3/01	32	6.4	8.8	9.3
MT. BALDY R.S.	9500	2/27	54	14.0	17.8	19.9
MUD CREEK #2	8600	2/27	33	7.9	9.1	12.0
OAK CREEK	7760	2/25	36	8.1	10.8	10.0
PANGUITCH LAKE R.S.	8200	2/25	32	7.4	6.4	4.0
PARLEY'S CANYON SNTL	7500	3/01	41	10.1	12.9	15.3
PARRISH CREEK SNOTEL	7740	3/01	55	13.7	22.8	-
PAYSON R.S. SNOTEL	8050	3/01	39	11.0	13.9	17.2
PICKLE KEG SNOTEL	9600	3/01	41	10.1	11.4	14.1
PINE CREEK SNOTEL	8800	3/01	46	13.8	15.4	19.3
RED PINE RIDGE SNTL	9200	3/01	37	8.2	11.0	14.2
REDDEN MINE LOWER	8500	2/26	40	9.9	15.3	15.1
REES'S FLAT	7300	2/25	35	7.9	9.0	11.2
ROCK CREEK SNOTEL	7900	3/01	26	6.2	6.5	7.9
ROCKY BN-SETTLEMENT SN	8900	3/01	43	11.9	15.8	21.2
SEELEY CREEK SNOTEL	10000	3/01	35	9.3	10.1	12.3
SMITH MOREHOUSE SNTL	7600	3/01	32	7.0	13.4	12.4
SNOWBIRD SNOTEL	9700	3/01	66	21.4	32.9	28.3
SPIRIT LAKE	10300	2/27	36	8.9	6.5	10.5
SPIRIT LK SNOTEL	10200	3/01	37	8.1	-	-
SQUAW SPRINGS	9300	2/25	43	10.3	6.5	6.6
STEEL CREEK PARK SNO	10100	3/01	43	8.4	8.8	12.7
STILLWATER CAMP	8550	2/27	25	5.0	7.9	8.8
STRAWBERRY DIVIDE SN	8400	3/01	39	8.7	11.5	16.3
SUSC RANCH	8200	2/25	46	13.6	10.3	8.1
TALL POLES	8800	2/25	48	12.8	12.3	12.1
TEMPLE FORK SNOTEL	7410	3/01	40	10.3	14.8	-
THAYNES CANYON SNTL	9200	3/01	54	14.7	17.5	19.3
THISTLE FLAT	8500	2/27	43	11.4	13.1	-
TIMBERLINE	9100				8.0	-
TIMBERLINE SNOTEL	8680	3/01	33	8.4	8.5	-
TIMPANOGOS DIVIDE SN	8140	3/01	51	14.6	22.4	20.4
TONY GROVE LK SNOTEL	8400	3/01	72	20.8	29.1	30.0
TONY GROVE R.S.	6250	2/25	38	10.3	11.1	11.3
TONY GROVE RS SNOTEL	6400	3/01	31	9.7	-	-
TRIAL LAKE	9960	2/26	50	12.5	19.6	20.3
TRIAL LAKE SNOTEL	9960	3/01	50	10.6	18.3	20.6
TROUT CREEK SNOTEL	9400	3/01	32	7.4	6.1	8.1
UPPER JOES VALLEY	8900	2/27	27	6.2	6.5	9.3
USU DOC DANIEL SNTL	8270	3/01	66	17.5	22.8	-
VERNON CREEK SNOTEL	7500	3/01	34	8.6	11.4	10.1
VIPONT	7670	2/25	34	10.2	15.0	12.2
WEBSTER FLAT SNOTEL	9200	3/01	58	19.5	16.5	13.5
WHITE RIVER #1 SNTL	8550	3/01	30	7.5	9.7	11.6
WHITE RIVER #3	7400	2/27	24	5.8	9.1	7.8
WIDTSOE #3 SNOTEL	9500	3/01	43	12.5	8.2	9.7
WRIGLEY CREEK	9000	2/27	31	7.0	8.3	9.6
YANKEE RESERVOIR	8700	2/24	41	10.6	8.9	8.4

Issued by

David White
Chief
Natural Resources Conservation Service
U.S. Department of Agriculture

Released by

Sylvia Gillen
State Conservationist
Natural Resources Conservation Service
Salt Lake City, Utah

Prepared by

Snow Survey Staff
Randall Julander, Supervisor
Ray Wilson, Hydrologist
Timothy Bardsley, Hydrologist
Mike Bricco, Hydrologist
Beau Uriona, Hydrologist
Karen Vaughan, Soil Scientist
Bob Nault, Electronics Technician



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<http://www.ut.nrcs.usda.gov/snow/>

Snow Survey, NRCS, USDA
245 North Jimmy Doolittle Road
Salt Lake City, UT 84116
(801) 524-5213



Utah Water Supply Outlook Report

**Natural Resources Conservation Service
Salt Lake City, UT**

