

Utah Water Supply Outlook Report

February, 2010



**Mike Bricco at Blacks Fork Commissary, north slope of the Uintah's, January 29, 2010.
Not much snow! Photo – Randy Julander, NRCS, USDA.**

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

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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

February 1, 2010

SUMMARY

The pattern continues – dry from Richfield north, wet south. Southern Utah had a couple of very nice storms that augmented snowpacks in the area. In fact, southwest Utah is already well above (17%) its normal April 1 accumulation and southeast Utah is about 1 good storm away from similar accumulations. The drought continues in northern Utah. Northern snowpacks have improved somewhat during the month – the Bear River went from 54% to 63%. Any improvement at this point is a good thing and hopefully that improvement will continue. However, the probability of significant improvement in northern Utah snowpacks (like getting close to average) continues to decline. The probability of at least average snowpack by April 1: Bear River – 3%, Weber River – 8%, Provo River – 10% and the Uintahs – 13% - so as one can see, the odds are heavily stacked for continued drought in the north this year. Much of central Utah is also well below average. January precipitation was below to near normal (83%-100%) in northern Utah and near to much above normal (105%-203%) in the south which brings the year to date precipitation to below normal in the north and near to above average in the south. Current soil moisture saturation levels in runoff producing areas are: Bear – 49%, Weber – 48%, Provo – 30%, Uintah Basin – 17%, SE Utah – 32%, Sevier – 29% and SW Utah – 24%. Soils across the state are as dry or drier than anything we have seen in the past 5 years. Dryer soils typically mean less runoff from snowmelt and this is becoming a major concern given the poor snowpacks in northern Utah. Reservoir storage is currently at 67% of capacity statewide compared to 59% last year. General water supply conditions are below average in northern Utah, above average for southwest and south east Utah. Streamflow forecasts range from 47% for Centerville Creek to 145% of average on South Creek nr Monticello. Surface Water Supply Indices range from 28% on the Bear River to 83% for the Virgin.

SNOWPACK

February first snowpacks as measured by the NRCS SNOTEL system are as follows: Bear - 63%, Weber - 69%, Provo - 74%, Uintahs - 80%, southeast Utah - 92%, Sevier - 111%, southwest Utah - 164% and the statewide figure is 83% of average. With February and March remaining in the snow accumulation season, the range of potential outcomes is narrowing, however any outcome is possible depending on future climatic conditions. If drought prevails, snowpacks could range between 43% (Bear) and 55% (SW Utah) of average. Given maximum accumulations, April 1 snowpacks could range between 105% (Bear) and 222% (SW Utah) of average. With normal accumulations, April 1 snowpacks will be between 77% and 141% of average.

PRECIPITATION

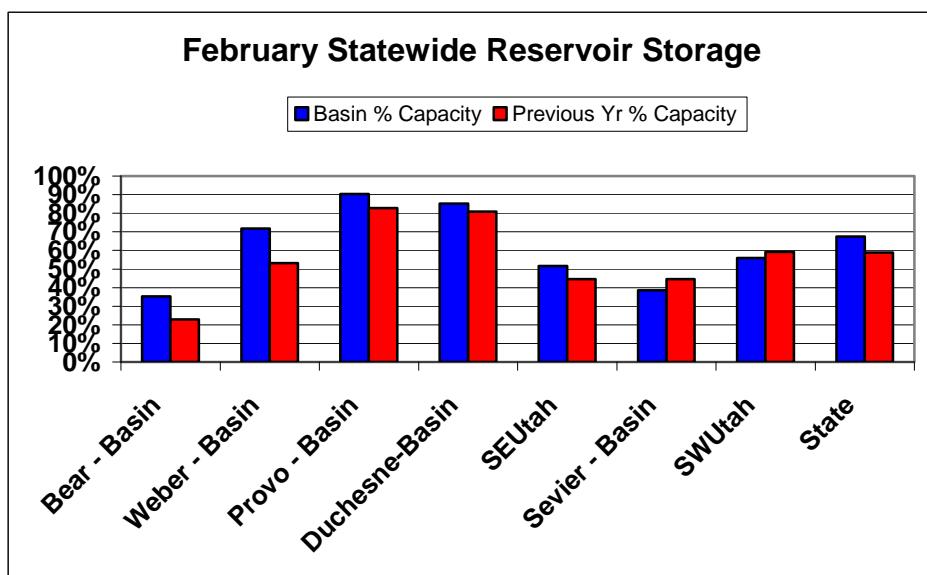
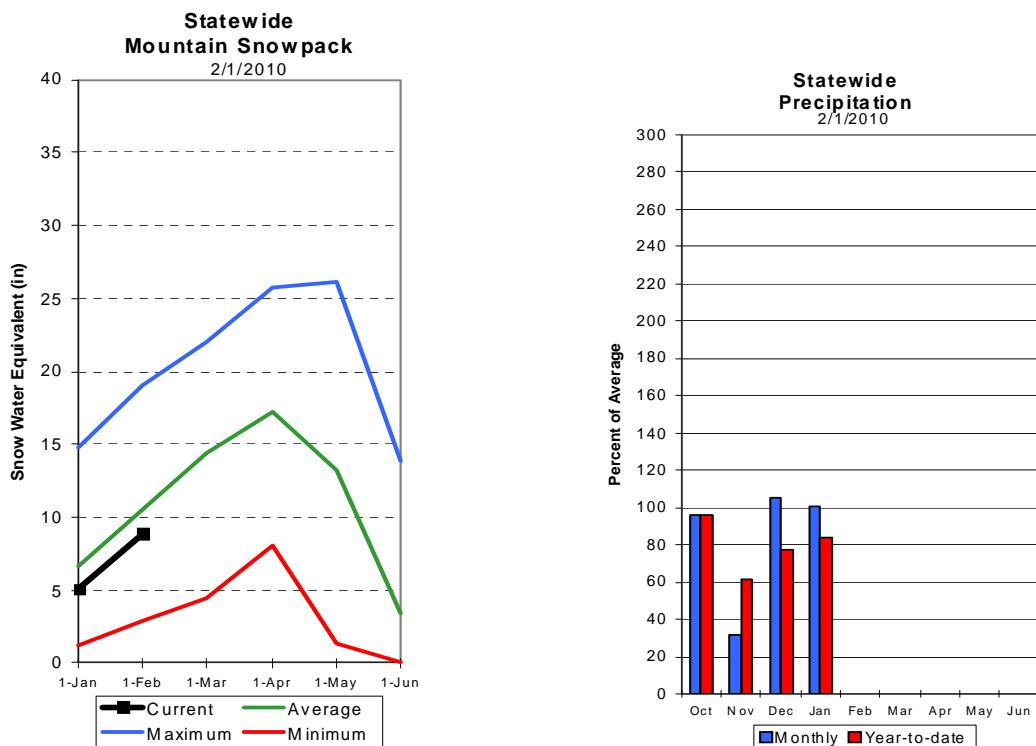
Mountain precipitation during January was: Bear – 85%, Weber – 83%, Provo – 100%, Uintahs – 95%, SE Utah – 105%, Sevier – 113%, SW Utah – 203% and the statewide figure is 101% of average. This brings the seasonal accumulation (Oct-Jan) to 84% of average statewide.

RESERVOIRS

Storage in 41 of Utah's key irrigation reservoirs is at 76% of capacity up 6% compared to February of last year. Reservoir storage on the Weber (72%), Provo (90%) and Uintah Basin (85%) is exceptionally good and well ahead of last year.

STREAMFLOW

Snowmelt streamflows are expected to have a wide range from much below average to above average across the state of Utah this year. Forecast streamflows range from 47% on Centerville Creek to 145% on South Creek nr Monticello. Most flows are forecast to be in the 60% to 90% range.

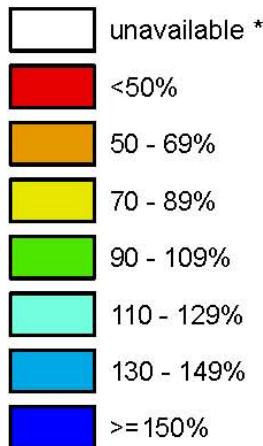


Utah

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

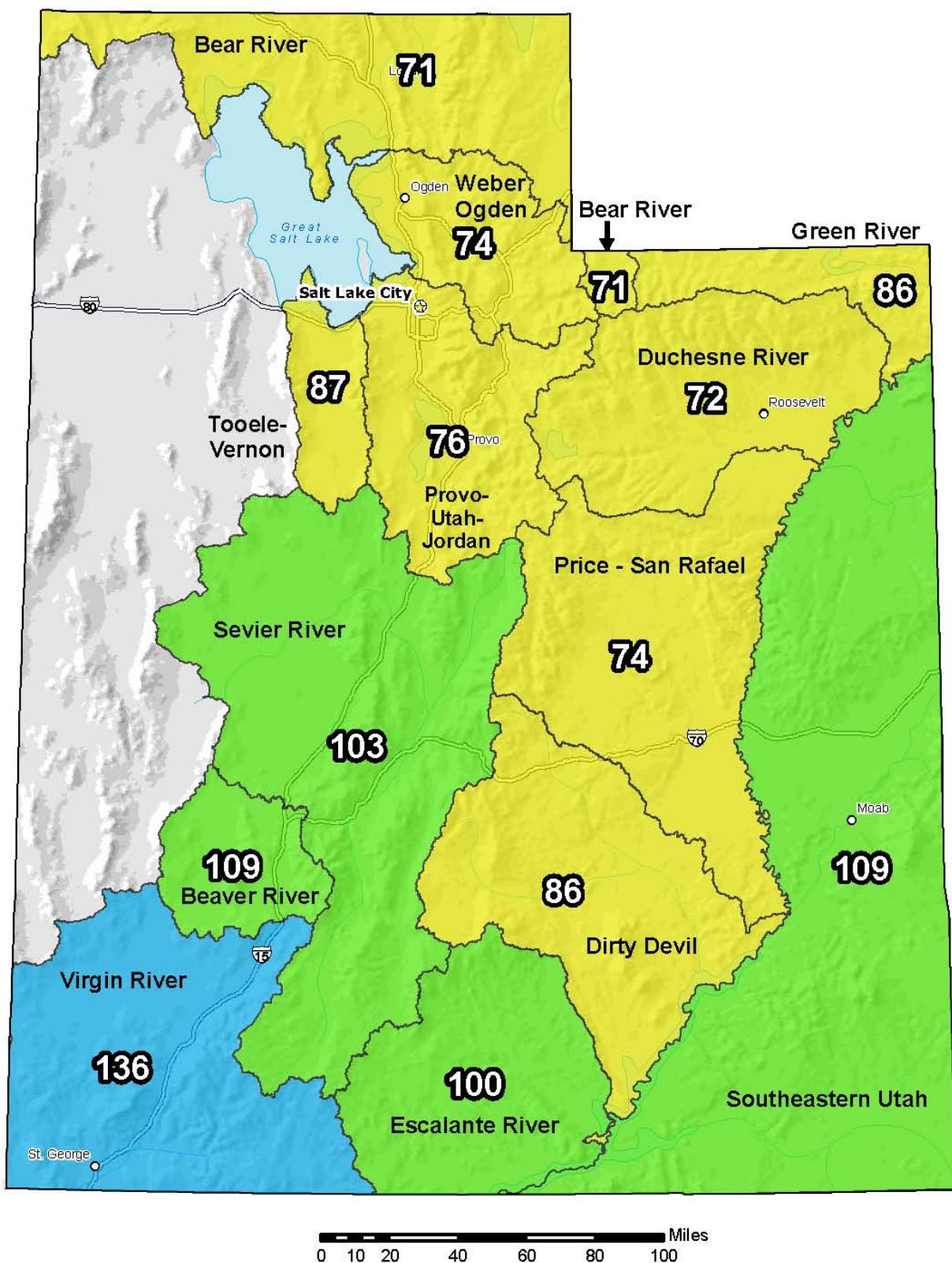
Feb 01, 2010

**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).

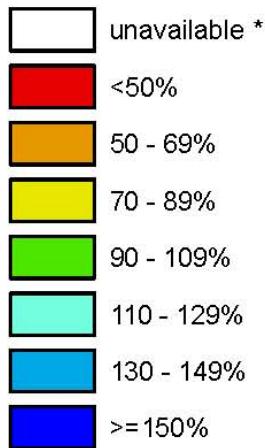
Prepared by the USDA/NRCS National Water and Climate Center
Portland, Oregon <http://www.wcc.nrcs.usda.gov/gis/>
Based on data from <http://www.wcc.nrcs.usda.gov/reports/>
Science contact: Tom.Pagano@por.usda.gov 503 414 3010

Utah

SNOTEL Current Snow Water Equivalent (SWE) % of Normal

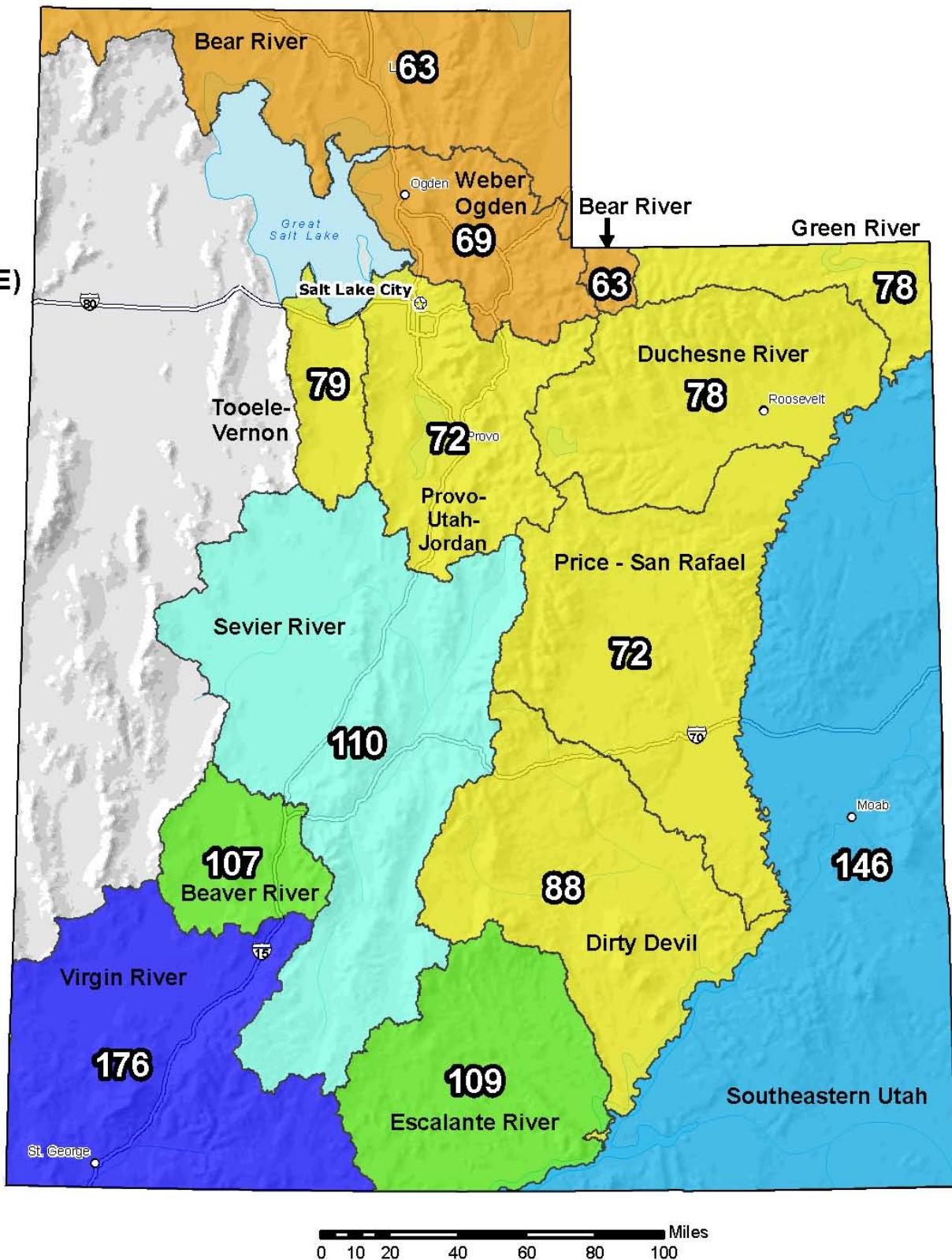
Feb 01, 2010

**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

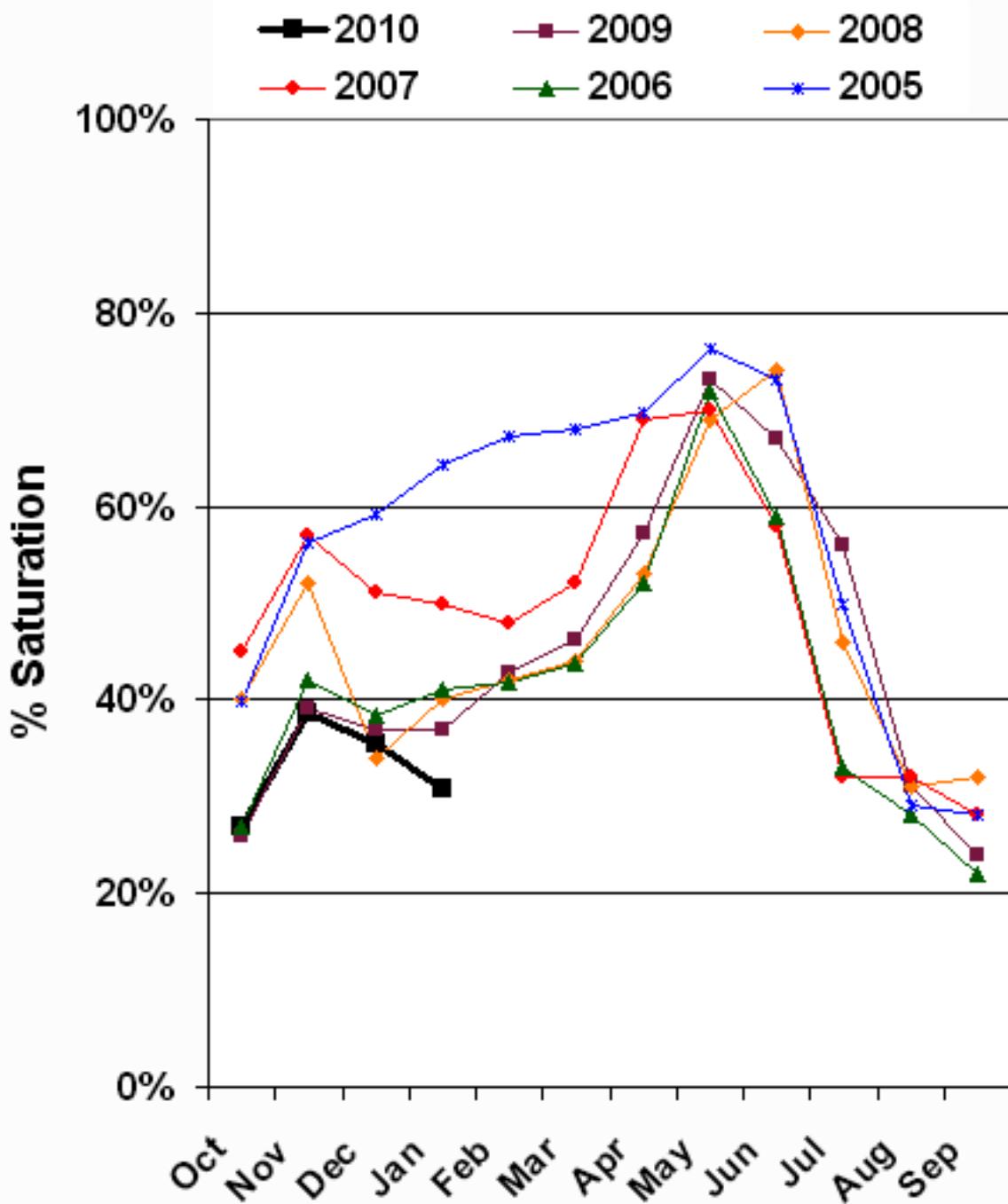
**Provisional Data
Subject to Revision**



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

February 1, 2010	SWSI	Percentile	Years with Similar SWSI
Basin or Region			
Bear River	-1.87	28%	28,40,44,45
Ogden River	-0.74	41%	91,94,00,08
Weber River	-0.20	48%	76,79,93,09
Provo	0.78	59%	81,91,07,00
West Uintah Basin	-0.51	44%	81,76,08,09
East Uintah Basin	0.52	56%	96,00,08,97
Price River	-1.39	33%	07,93,09,05
Joe's Valley	-0.54	43%	07,04,01,00
Ferron Creek	-2.03	26%	81,89,00,74
Moab	1.04	63%	08,07,94,97
Upper Sevier River	-1.67	30%	66,60,52,68
Lower Sevier River	-0.64	42%	68,89,08,01
Beaver River	-0.50	44%	65,62,67,81
Virgin River	2.78	83%	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.

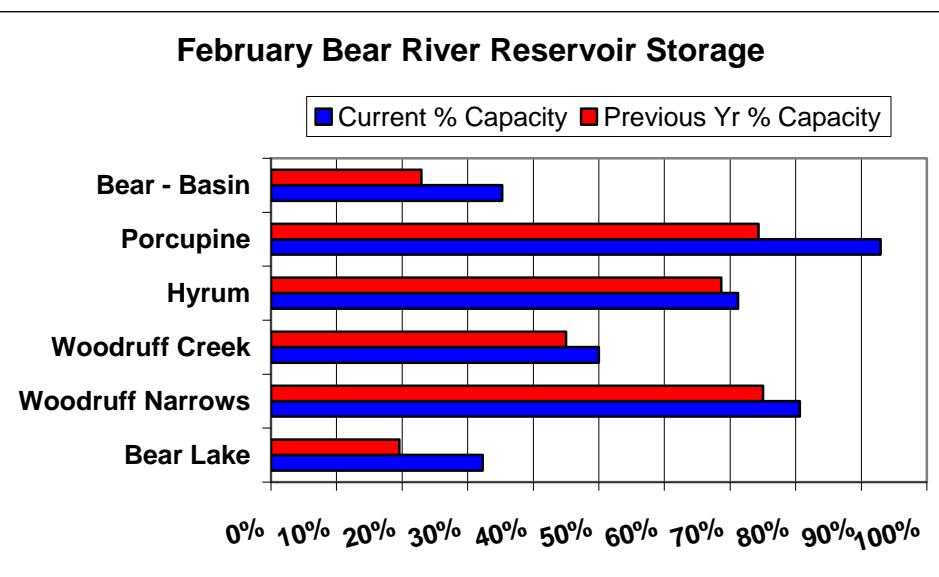
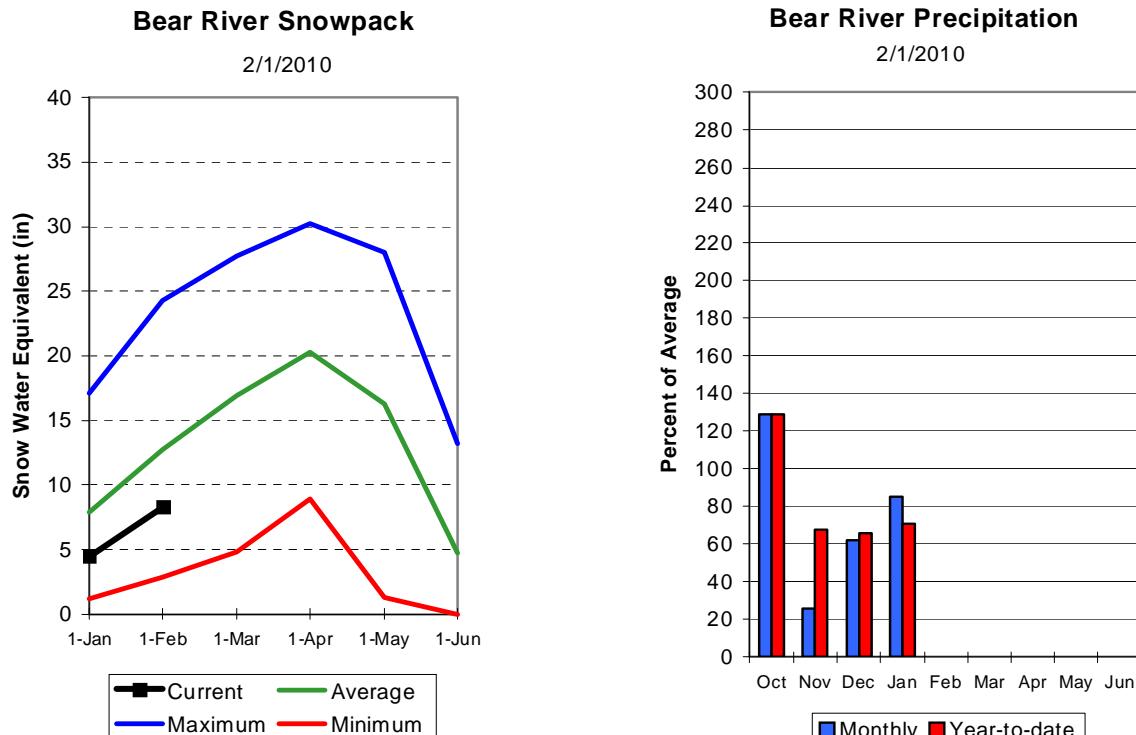
Utah Snow Surveys has also chosen to display the SWSI as a PERCENT CHANCE OF NON-EXCEEDANCE. While this is a cumbersome name, it has the simplest application. It can be best thought of as a scale of 1 to 99 with 1 being the drought of record (driest possible conditions) and 99 being the flood of record (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

February 1, 2010

Snowpacks on the Bear River Basin are much below average at 63% of normal, about 70% of last year. Individual sites range from 42% of normal at Bug Lake Snotel to 85% at Oxford Spring Snotel. January precipitation was below average at 85%, which brings the seasonal accumulation (Oct-Jan) to 71% of average. Soil moisture levels in runoff producing areas are at 49% of saturation in the upper 2 feet of soil compared to 55% last year. Forecast streamflows (April-July) are much below average at (49%-75%) volumes for this spring and summer. Reservoir storage is low at 35% of capacity, which is up 12% from this time last year. The Surface Water Supply Index is at 28% for the Bear River, in other words, 72% of years have had more total water available. Water supply conditions are much below normal due to low reservoir storage in Bear Lake.



BEAR RIVER BASIN as of February 1, 2010

BEAR RIVER BASIN Streamflow Forecasts - February 1, 2010								
Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions =====>>				Wetter		
		Chance Of Exceeding *		30% 10% 30-Yr Avg.				
		(1000AF)	(1000AF)	(1000AF) (%) AVG.)	(1000AF)	(1000AF)	(1000AF)	(1000AF)
Bear River nr UT-WY State Line	APR-JUL	45	69	85 75	101	125	113	
Bear River ab Reservoir nr Woodruff	APR-JUL	5.0	57	95 70	133	189	136	
Big Creek nr Randolph	APR-JUL	0.82	1.94	2.70 55	3.50	4.60	4.90	
Smiths Fork nr Border	APR-JUL	35	53	65 63	77	95	103	
Bear River at Stewart Dam	APR-JUL	12.0	45	115 49	185	290	234	
Little Bear at Paradise, UT	APR-JUL	2.8	13.8	24 52	34	49	46	
Logan R nr Logan, UT	APR-JUL	25	55	75 60	95	125	126	
Blacksmith Fk Abv Up&L Dam Nr Hyrum	APR-JUL	1.7	16.2	26 54	36	50	48	
Dunn Ck nr Park Valley	APR-JUL	0.09	1.15	1.70 55	2.50	3.40	3.10	

BEAR RIVER BASIN Reservoir Storage (1000 AF) - End of January				BEAR RIVER BASIN Watershed Snowpack Analysis - February 1, 2010			
Reservoir	Usable Capacity	*** Usable Storage ***	Watershed	Number of Data Sites	This Year	as % of Last Yr	Average
BEAR LAKE	1302.0	420.3 254.9 ---	BEAR RIVER, UPPER	8	69	64	
HYRUM	15.3	10.9 10.5 10.4	BEAR RIVER, LOWER	9	72	63	
PORCUPINE	11.3	10.5 8.4 4.4	LOGAN RIVER	4	71	62	
WOODRUFF NARROWS	57.3	46.2 43.0 25.2	RAFT RIVER	1	104	90	
WOODRUFF CREEK	4.0	2.0 1.8 ---	BEAR RIVER BASIN	17	70	63	

* 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.

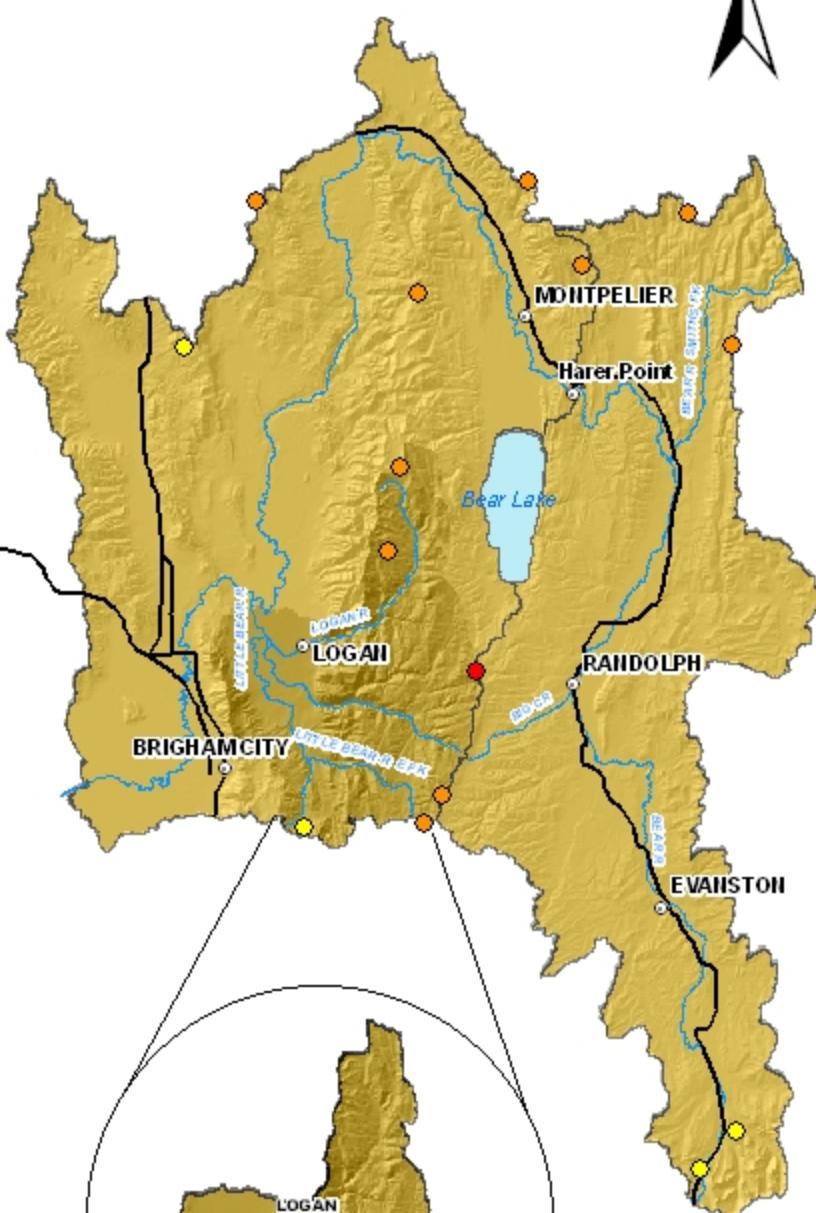
Bear River & Raft River Basins

Snotel % of Average

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



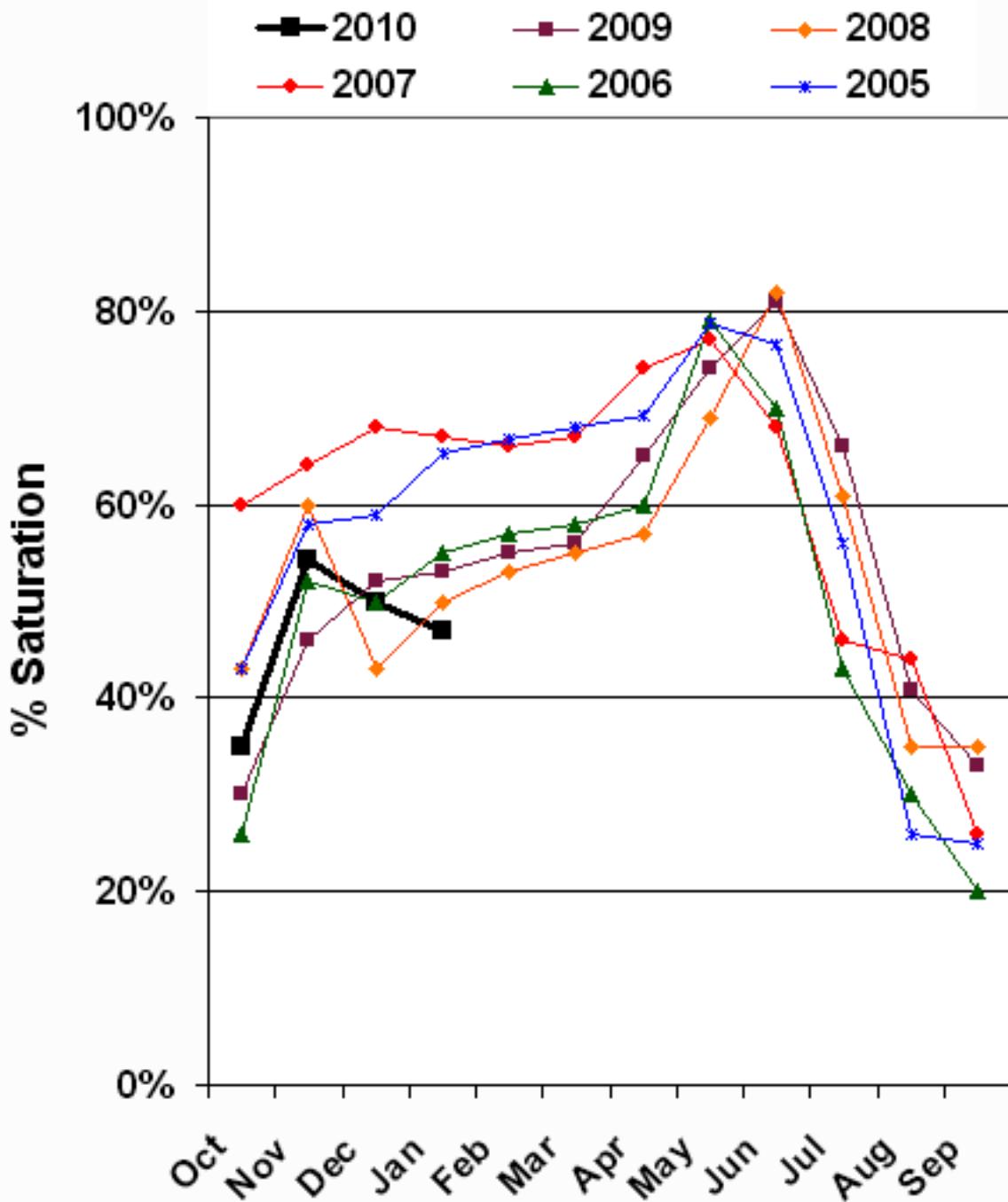
**Basinwide Average
63 %**



Watershed % of Average

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

Bear River Soil Moisture



Bear Lake SWSI

February 1

of years

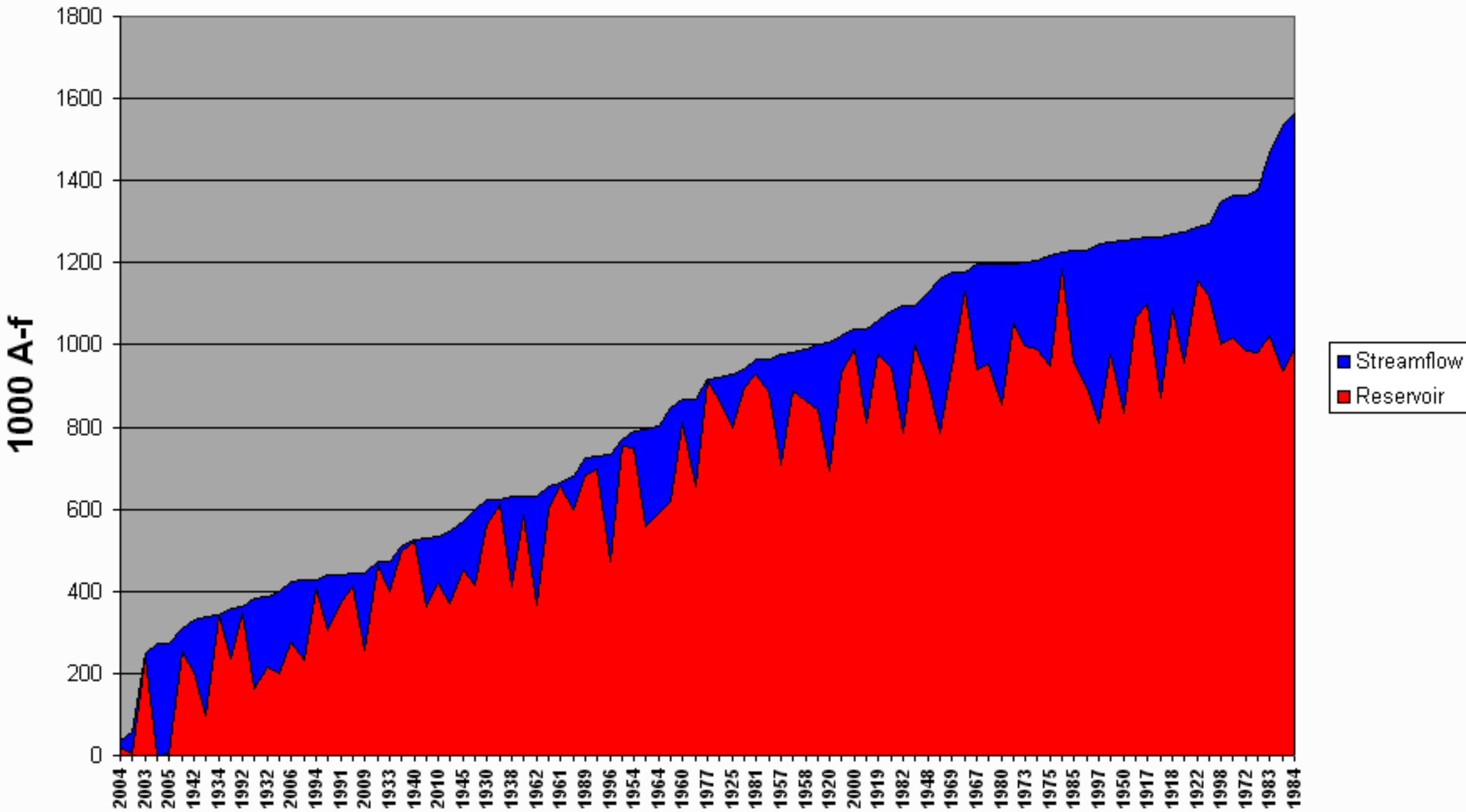
97

#	Year	EOM		Reservoir + Streamflow	Probability	SWSI
		January Reservoir	Apr-Jul Streamflow			
1	2004	22	15	37	1	-4.08
2	1935	4	52	56	2	-4.00
3	2003	239	10	250	3	-3.91
4	1936	0	272	272	4	-3.83
5	2005	4	270	273	5	-3.74
6	1941	250	57	308	6	-3.66
7	1942	202	126	328	7	-3.57
8	1993	96	240	336	8	-3.49
9	1934	341	3	344	9	-3.40
10	2008	238	119	357	10	-3.32
11	1992	346	16	363	11	-3.23
12	1943	162	219	381	12	-3.15
13	1932	218	170	388	13	-3.06
14	1995	198	200	399	14	-2.98
15	2006	276	147	423	15	-2.89
16	1937	234	194	427	16	-2.81
17	1994	406	21	427	17	-2.72
18	1927	305	133	438	18	-2.64
19	1991	375	64	439	19	-2.55
20	2007	413	31	444	20	-2.47
21	2009	255	190	444	21	-2.38
22	2002	464	8	471	22	-2.30
23	1933	401	72	472	23	-2.21
24	1931	496	11	508	24	-2.13
25	1940	522	5	527	26	-2.04
26	1944	364	167	531	27	-1.96
27	2010	420	115	535	28	-1.87
28	1928	370	177	547	29	-1.79
29	1945	451	119	570	30	-1.70
30	1929	414	183	597	31	-1.62
31	1930	563	58	621	32	-1.53
32	1990	612	13	624	33	-1.45
33	1938	411	219	629	34	-1.36
34	1955	586	45	631	35	-1.28
35	1962	366	265	632	36	-1.19
36	1963	600	57	657	37	-1.11
37	1961	658	7	665	38	-1.02
38	1939	598	82	680	39	-0.94
39	1989	684	43	726	40	-0.85
40	1926	697	31	728	41	-0.77
41	1996	472	262	734	42	-0.68
42	2001	755	16	771	43	-0.60
43	1954	750	40	790	44	-0.51
44	1956	557	237	794	45	-0.43

45	1964	590	213	803	46	-0.34
46	1946	619	229	848	47	-0.26
47	1960	808	59	867	48	-0.17
48	1978	656	212	867	49	-0.09
49	1977	912	5	917	50	0.00
50	1959	869	50	919	51	0.09
51	1925	800	128	928	52	0.17
52	1988	894	47	942	53	0.26
53	1981	928	36	964	54	0.34
54	1979	885	79	964	55	0.43
55	1957	709	270	979	56	0.51
56	1953	888	93	981	57	0.60
57	1958	865	126	990	58	0.68
58	1949	841	159	1000	59	0.77
59	1920	694	313	1007	60	0.85
60	1987	934	89	1023	61	0.94
61	2000	992	47	1039	62	1.02
62	1947	809	230	1040	63	1.11
63	1919	978	81	1058	64	1.19
64	1968	944	139	1083	65	1.28
65	1982	785	309	1094	66	1.36
66	1970	1000	97	1096	67	1.45
67	1948	910	221	1130	68	1.53
68	1965	786	376	1162	69	1.62
69	1969	944	232	1177	70	1.70
70	1915	1131	47	1177	71	1.79
71	1967	940	256	1196	72	1.87
72	1976	952	245	1196	73	1.96
73	1980	854	344	1197	74	2.04
74	1966	1054	144	1198	76	2.13
75	1973	996	203	1199	77	2.21
76	1916	988	219	1207	78	2.30
77	1975	950	268	1218	79	2.38
78	1914	1183	41	1225	80	2.47
79	1985	958	272	1230	81	2.55
80	1921	896	335	1231	82	2.64
81	1997	810	434	1245	83	2.72
82	1974	979	270	1249	84	2.81
83	1950	834	419	1254	85	2.89
84	1924	1068	192	1260	86	2.98
85	1917	1101	161	1262	87	3.06
86	1952	871	393	1264	88	3.15
87	1918	1089	181	1271	89	3.23
88	1951	958	317	1275	90	3.32
89	1922	1157	129	1286	91	3.40
90	1923	1119	175	1295	92	3.49
91	1998	1000	347	1347	93	3.57
92	1999	1017	346	1364	94	3.66
93	1972	986	379	1365	95	3.74
94	1971	980	397	1376	96	3.83
95	1983	1021	445	1466	97	3.91
96	1986	939	598	1537	98	4.00
97	1984	992	573	1565	99	4.08

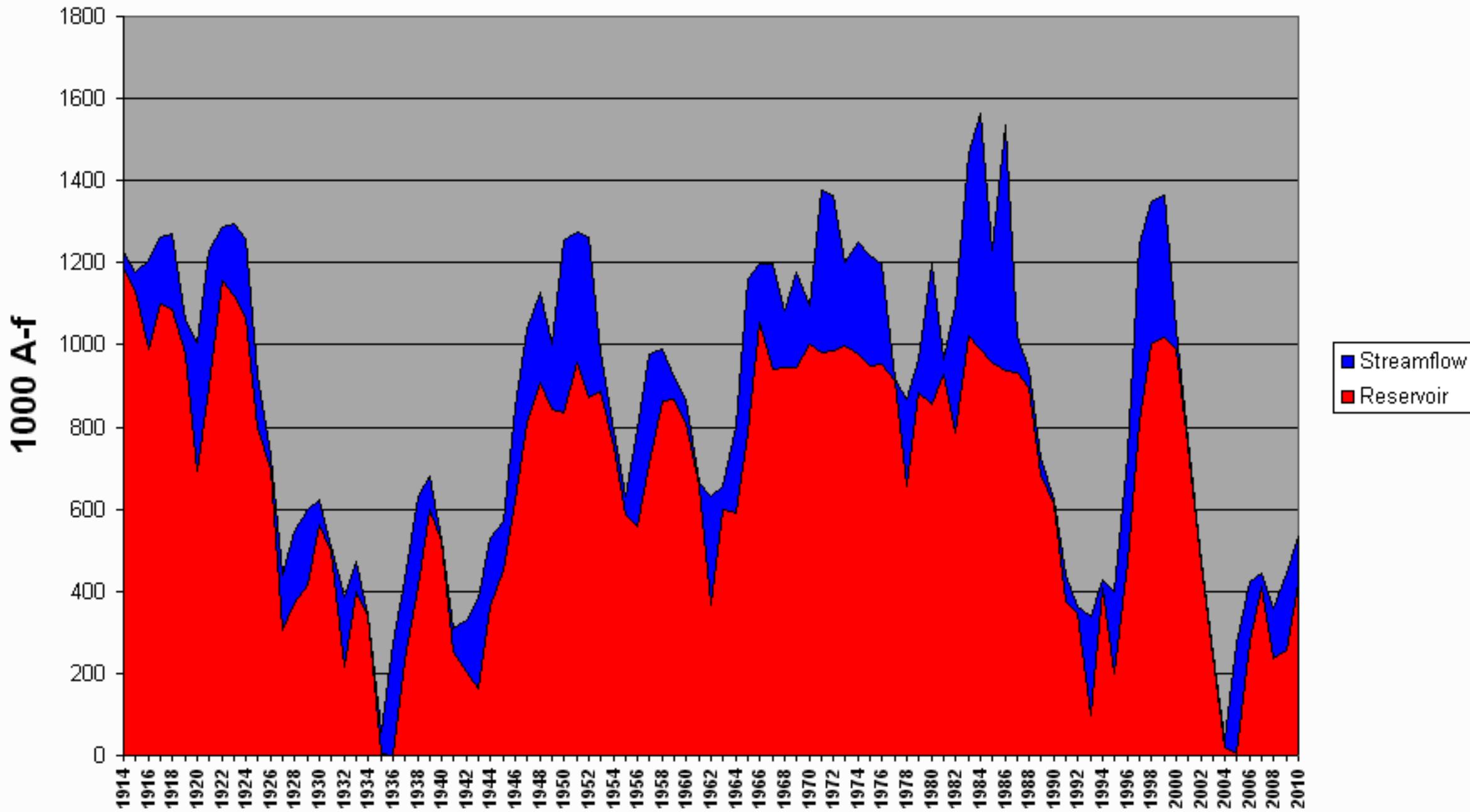
Bear Lake Surface Water Supply Index

February



Bear Lake Surface Water Supply Index

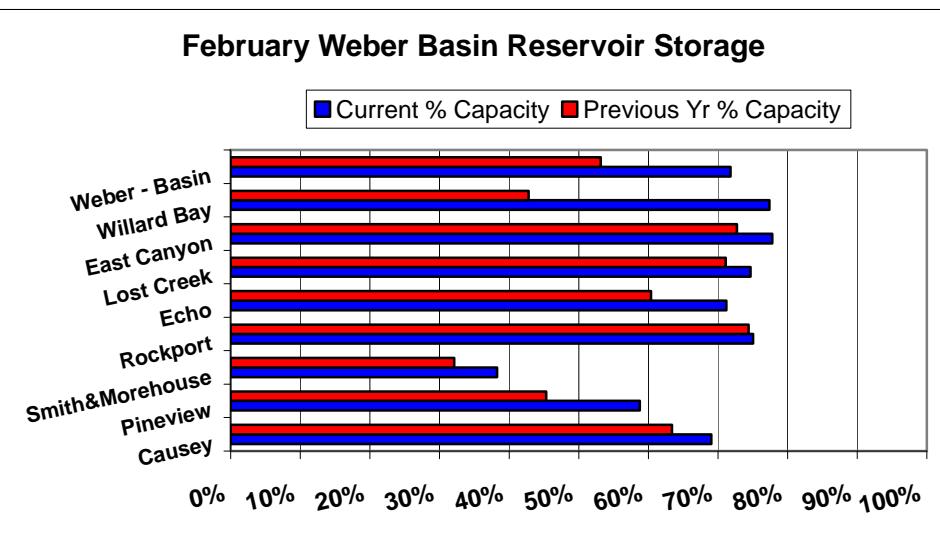
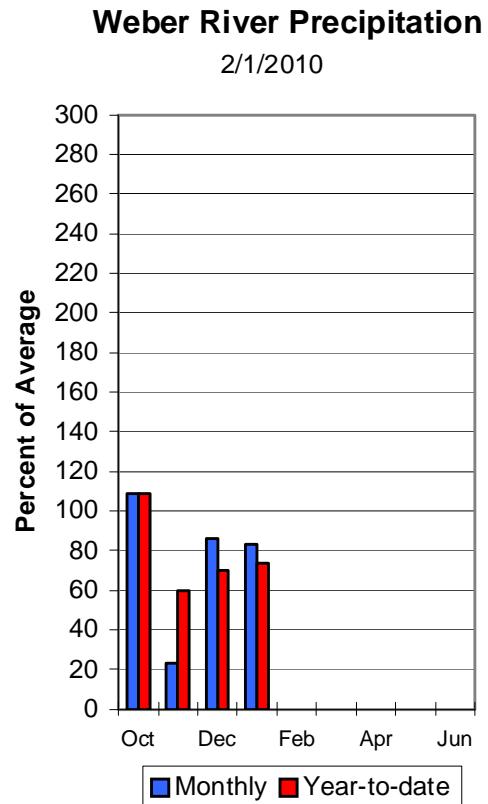
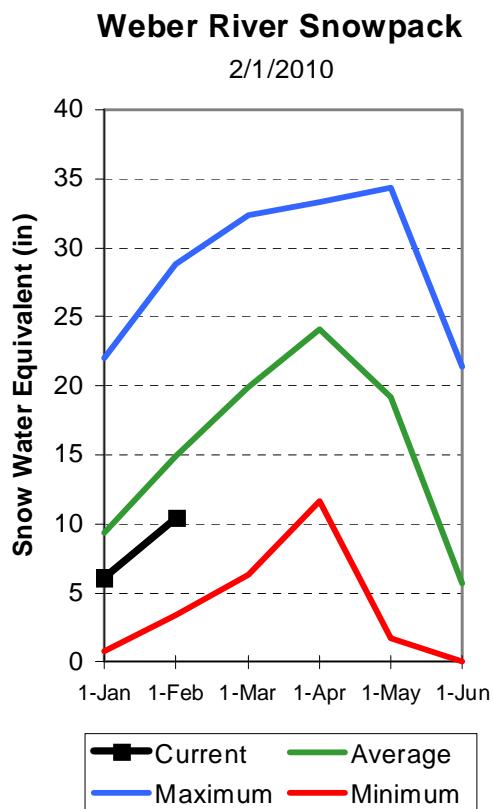
February



Weber and Ogden River Basins

February 1, 2010

Snowpacks on the Weber and Ogden Watersheds are much below average at 69%, about 71% of last year. Individual sites range from 52% of average at Horse Ridge Snotel to 96% at Hardscrabble Snotel. January precipitation was below average at 83% bringing the seasonal accumulation (Oct-Jan) to 74% of average. Soil moisture levels in runoff producing areas are at 48% of saturation in the upper 2 feet of soil compared to 54% last year. Streamflow forecasts (April-July) range from 47% to 68% of average. Reservoir storage is at 72% of capacity, 19% higher than last year. The Surface Water Supply Index is at 48% for the Weber River and 41% for the Ogden River indicating that overall water supply conditions are near average.



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

WEBER & OGDEN WATERSHEDS in Utah
Streamflow Forecasts - February 1, 2010

Forecast Point	Forecast Period	<===== Drier ===== Future Conditions =====>=====				30-Yr Avg. (1000AF)		
		Chance Of Exceeding *		Wetter				
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)			
Smith & Morehouse Res inflow	APR-JUL	11.1	16.4	20	59	24	29	34
Weber R nr Oakley, UT	APR-JUL	40	66	84	68	102	128	123
Rockport Reservoir	APR-JUL	25	61	86	64	111	147	134
Weber R nr Coalville, UT	APR-JUL	21	58	83	61	108	145	137
Chalk Creek at Coalville	APR-JUL	1.8	15.1	26	58	37	53	45
Echo Resv at Echo, UT	APR-JUL	5.0	59	100	56	141	200	179
Lost Ck Resv Inflow	APR-JUL	0.9	5.1	9.0	51	12.9	18.6	17.6
East Canyon Ck Nr Jeremy Ranch	APR-JUL	0.7	5.0	8.5	60	11.1	18.7	14.2
East Canyon Ck Nr Morgan, Ut	APR-JUL	1.2	11.2	18.0	58	25	35	31
Weber R at Gateway, UT	APR-JUL	21	100	195	55	290	430	355
SF Ogden R nr Huntsville, UT	APR-JUL	5.1	19.4	33	52	47	67	64
Pineview Resv Inflow	APR-JUL	8.0	40	70	53	100	143	133
Wheeler Ck Nr Huntsville, Ut	APR-JUL	0.38	1.66	3.00	48	4.30	6.30	6.30
Centerville Ck	APR-JUL	0.06	0.38	0.60	47	0.82	1.14	1.28
	APR-JUL	0.06	0.38	0.60	47	0.82	1.14	1.28

WEBER & OGDEN WATERSHEDS in Utah
Reservoir Storage (1000 AF) - End of January | WEBER & OGDEN WATERSHEDS in Utah
Watershed Snowpack Analysis - February 1, 2010

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Average	
		This Year	Last Year	Avg			Last Yr	Average
CAUSEY	7.1	4.9	4.5	2.8	OGDEN RIVER	4	77	70
EAST CANYON	49.5	38.5	36.0	35.4	WEBER RIVER	9	68	69
ECHO	73.9	52.6	44.6	50.2	WEBER & OGDEN WATERSHEDS	13	71	69
LOST CREEK	22.5	16.8	16.0	14.0				
PINEVIEW	110.1	64.7	49.9	51.7				
ROCKPORT	60.9	45.7	45.3	34.3				
WILLARD BAY	215.0	166.4	92.0	151.6				

* 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.

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%

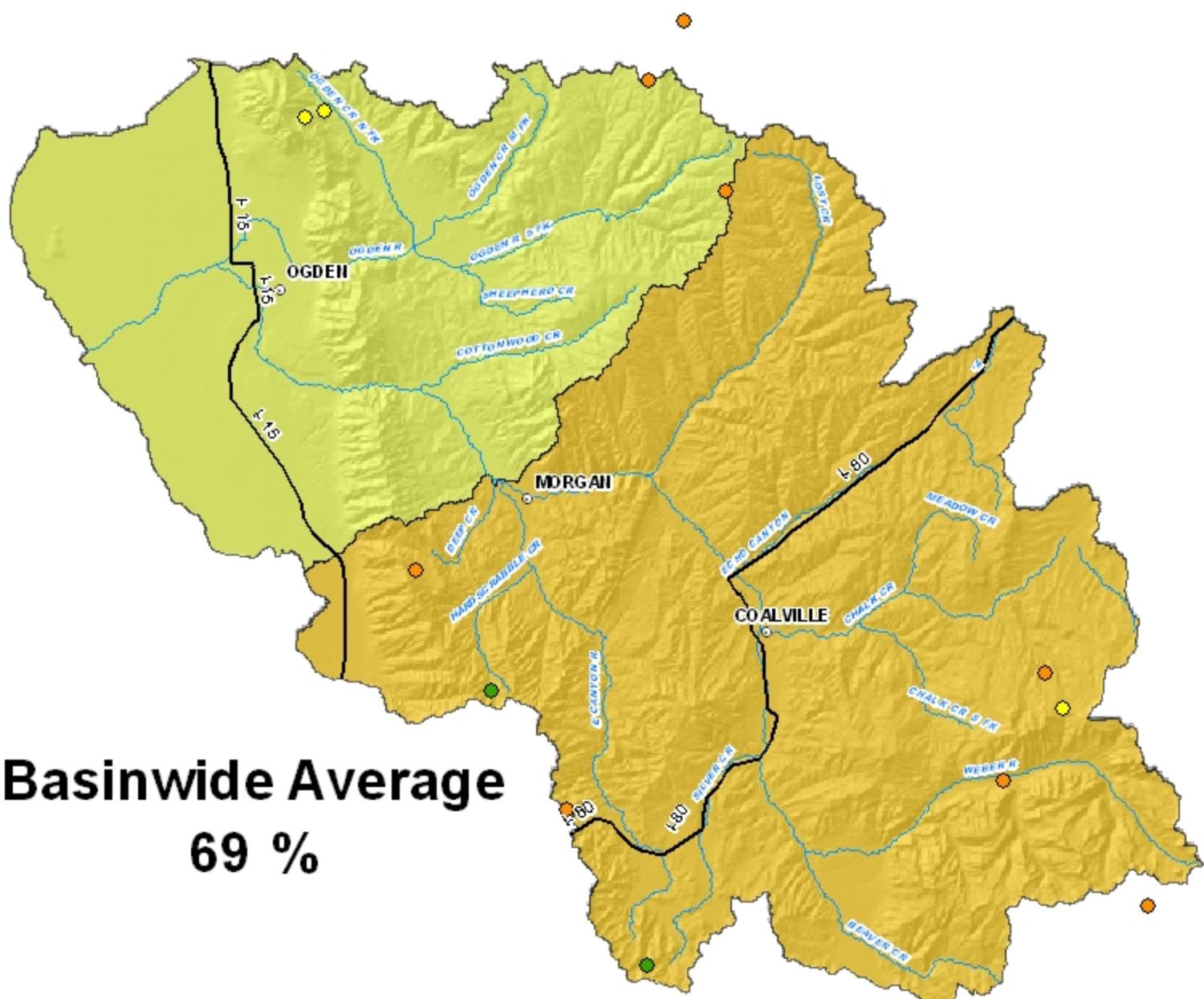
70 - 89%

90 - 109%

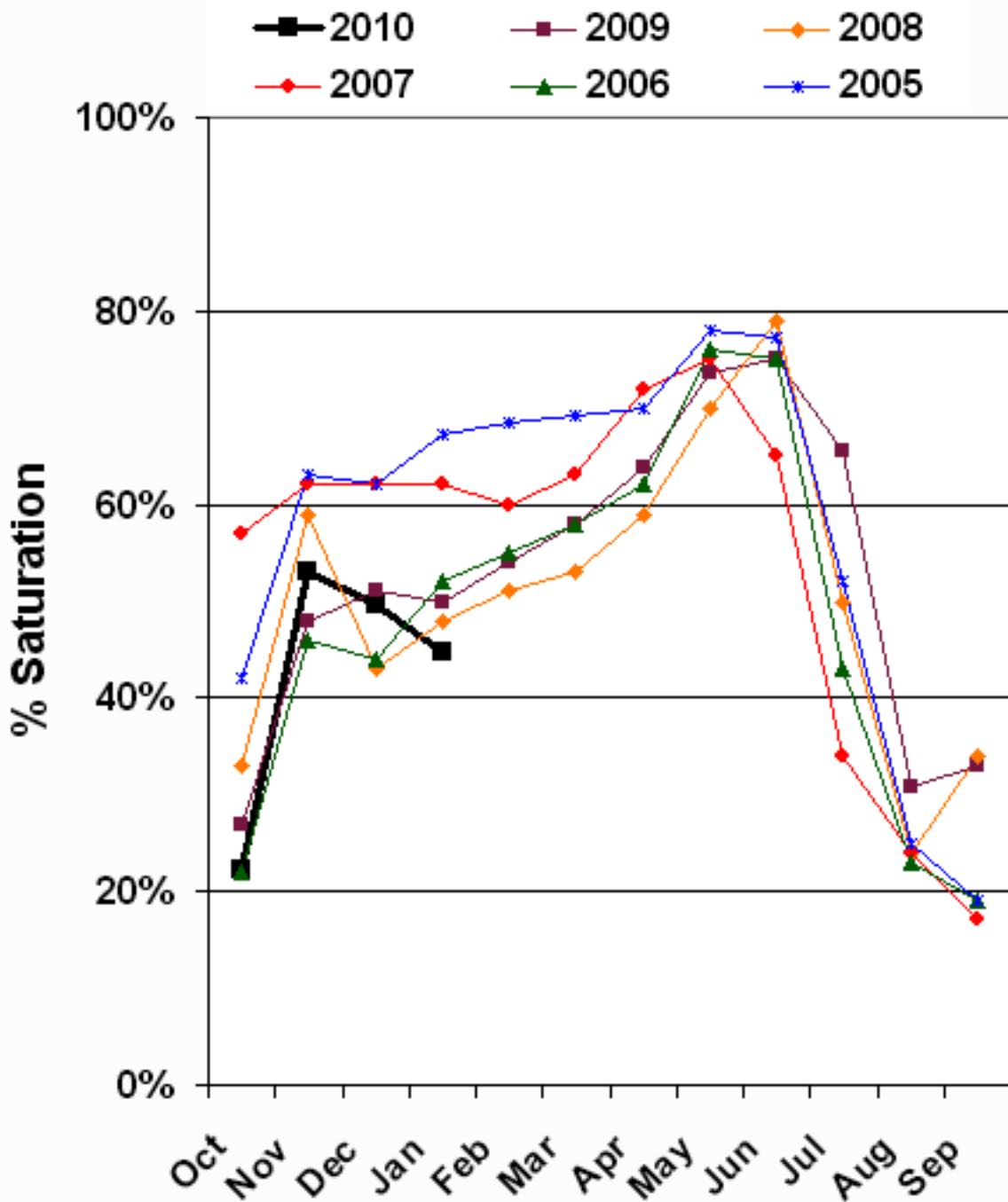
110 - 129%

130 - 149%

> 150%



Weber River Soil Moisture



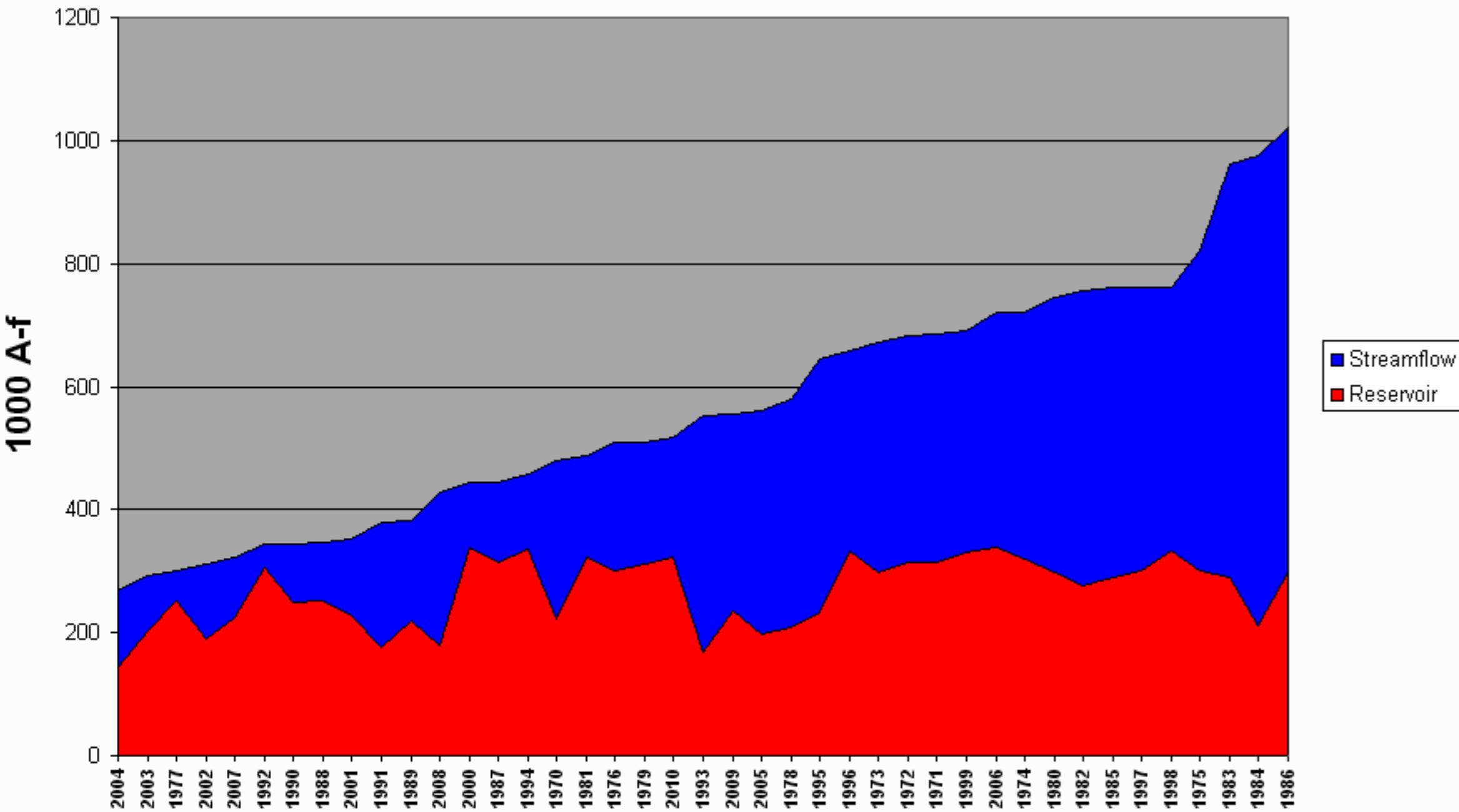
Weber SWSI

February 1

#	Year	EOM		Probability	SWSI
		January Reservoir	Apr-Jul Streamflow		
1	2004	145	122	2	-3.97
2	2003	204	89	5	-3.77
3	1977	252	47	7	-3.57
4	2002	189	121	10	-3.37
5	2007	224	99	12	-3.17
6	1992	306	38	14	-2.98
7	1990	250	94	17	-2.78
8	1988	252	95	19	-2.58
9	2001	227	125	21	-2.38
10	1991	176	204	24	-2.18
11	1989	220	163	26	-1.98
12	2008	178	250	29	-1.79
13	2000	338	107	31	-1.59
14	1987	313	131	33	-1.39
15	1994	336	122	36	-1.19
16	1970	223	257	38	-0.99
17	1981	321	166	40	-0.79
18	1976	300	209	43	-0.60
19	1979	310	199	45	-0.40
20	2010	323	195	48	-0.20
21	1993	168	383	50	0.00
22	2009	237	320	52	0.20
23	2005	198	362	55	0.40
24	1978	209	370	57	0.60
25	1995	232	413	60	0.79
26	1996	333	325	62	0.99
27	1973	298	372	64	1.19
28	1972	315	366	67	1.39
29	1971	314	370	69	1.59
30	1999	329	362	71	1.79
31	2006	338	382	74	1.98
32	1974	319	403	76	2.18
33	1980	299	446	79	2.38
34	1982	276	481	81	2.58
35	1985	291	471	83	2.78
36	1997	302	460	86	2.98
37	1998	334	428	88	3.17
38	1975	302	519	90	3.37
39	1983	289	674	93	3.57
40	1984	212	764	95	3.77
41	1986	298	723	98	3.97

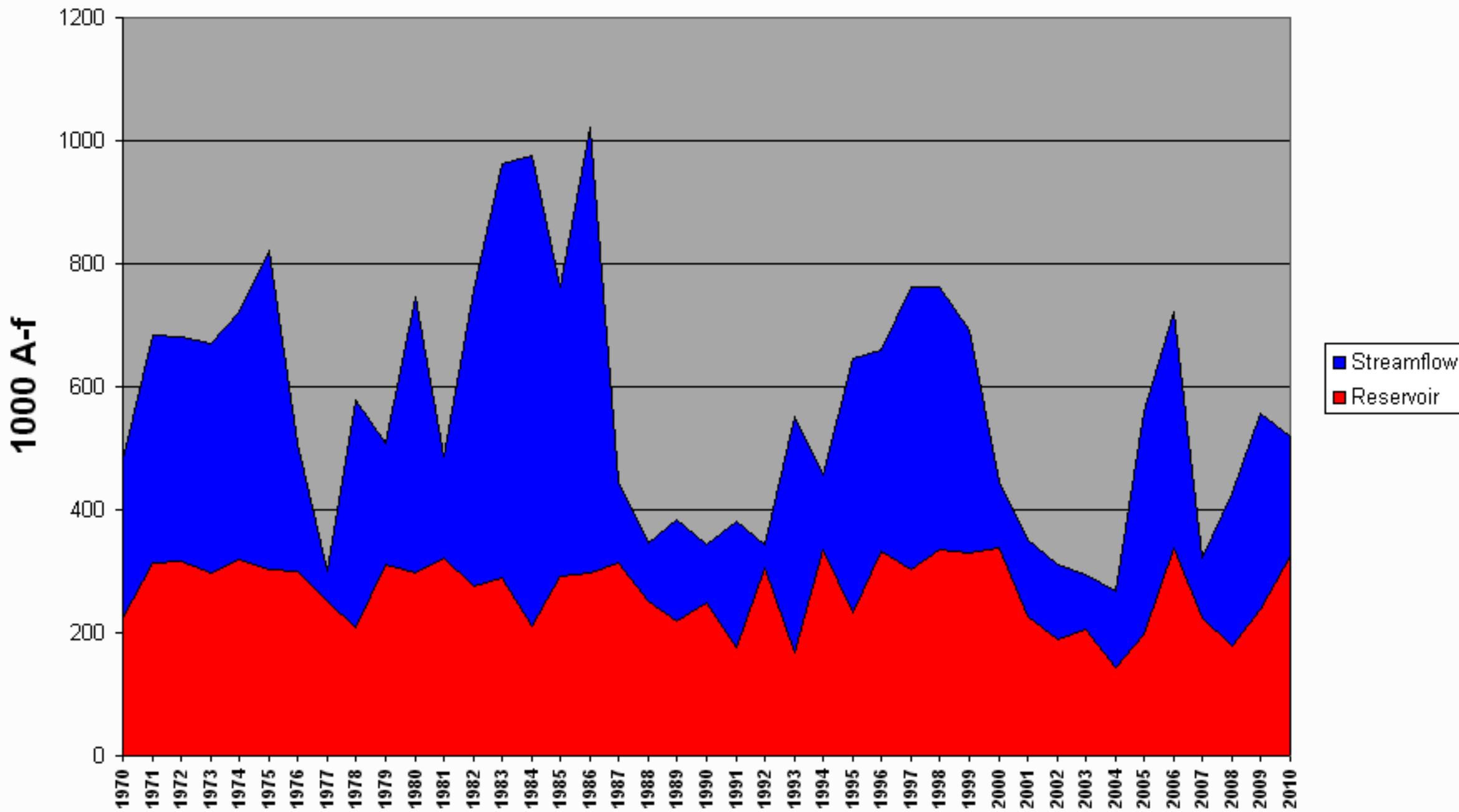
Weber River Surface Water Supply Index

February



Weber River Surface Water Supply Index

February



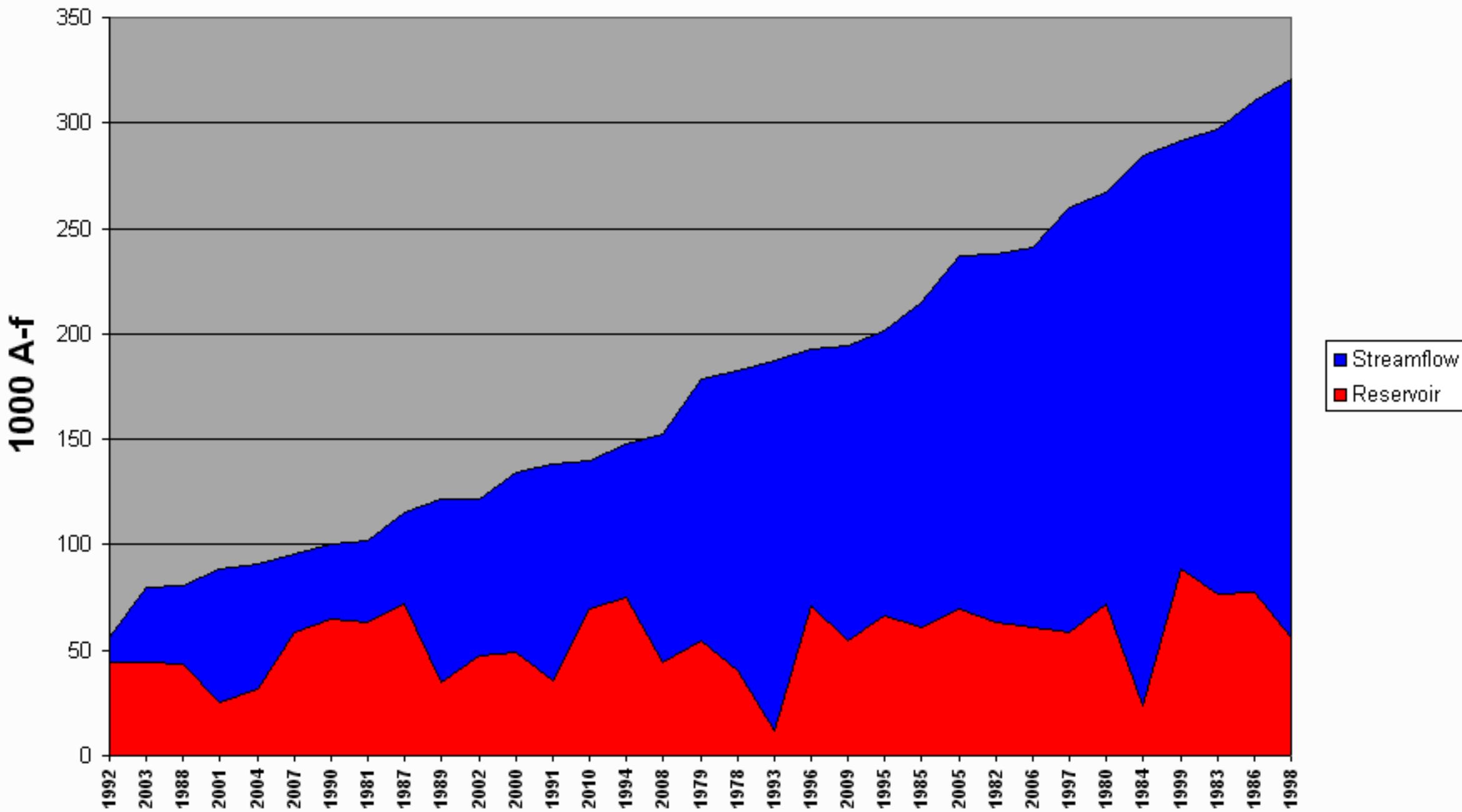
Ogden SWSI

February 1

#	Year	EOM		Reservoir + Streamflow	Probability	SWSI
		January Reservoir	Apr-Jul Streamflow			
1	1992	44	12	56	3	-3.92
2	2003	44	36	80	6	-3.68
3	1988	44	37	81	9	-3.43
4	2001	26	63	89	12	-3.19
5	2004	32	59	91	15	-2.94
6	2007	59	37	96	18	-2.70
7	1990	64	36	100	21	-2.45
8	1981	63	38	102	24	-2.21
9	1987	72	43	115	26	-1.96
10	1989	35	87	121	29	-1.72
11	2002	47	75	122	32	-1.47
12	2000	49	85	134	35	-1.23
13	1991	35	103	138	38	-0.98
14	2010	70	70	140	41	-0.74
15	1994	75	73	148	44	-0.49
16	2008	45	108	153	47	-0.25
17	1979	54	124	178	50	0.00
18	1978	40	142	183	53	0.25
19	1993	12	175	187	56	0.49
20	1996	71	121	192	59	0.74
21	2009	54	140	194	62	0.98
22	1995	66	135	201	65	1.23
23	1985	61	154	215	68	1.47
24	2005	70	167	237	71	1.72
25	1982	63	174	238	74	1.96
26	2006	61	180	241	76	2.21
27	1997	58	202	260	79	2.45
28	1980	72	195	267	82	2.70
29	1984	23	261	285	85	2.94
30	1999	88	203	291	88	3.19
31	1983	77	221	297	91	3.43
32	1986	77	233	311	94	3.68
33	1998	56	264	321	97	3.92

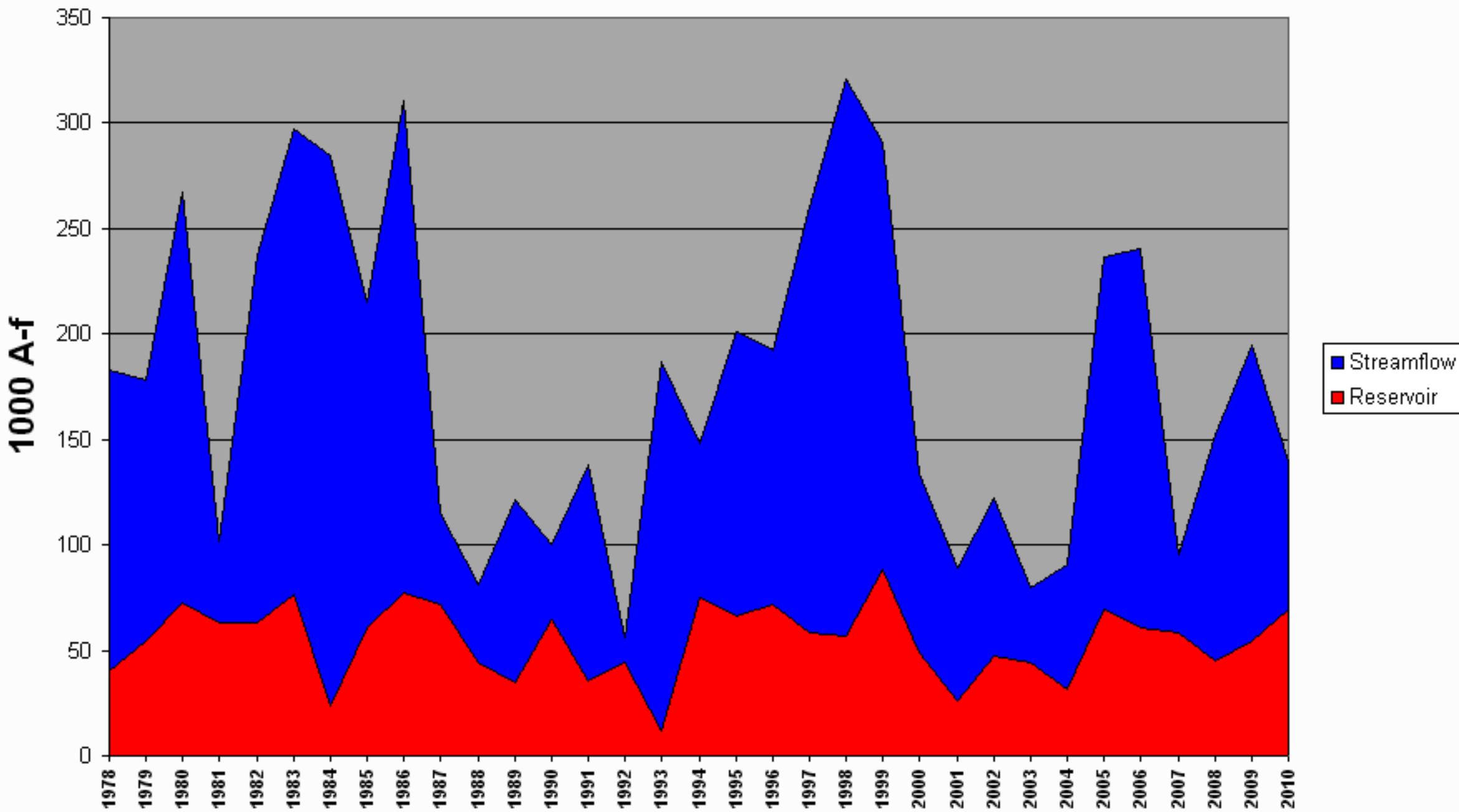
Ogden Surface Water Supply Index

February



Ogden Surface Water Supply Index

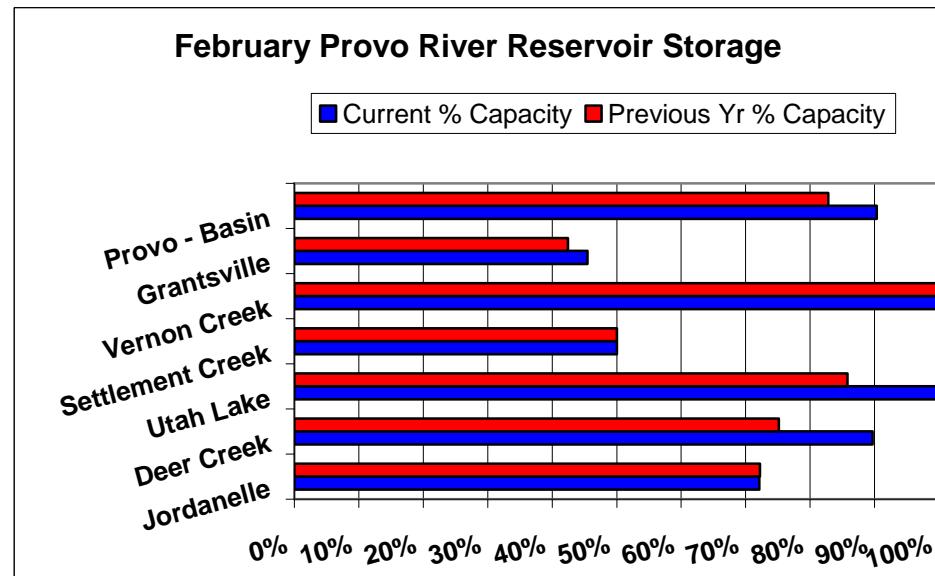
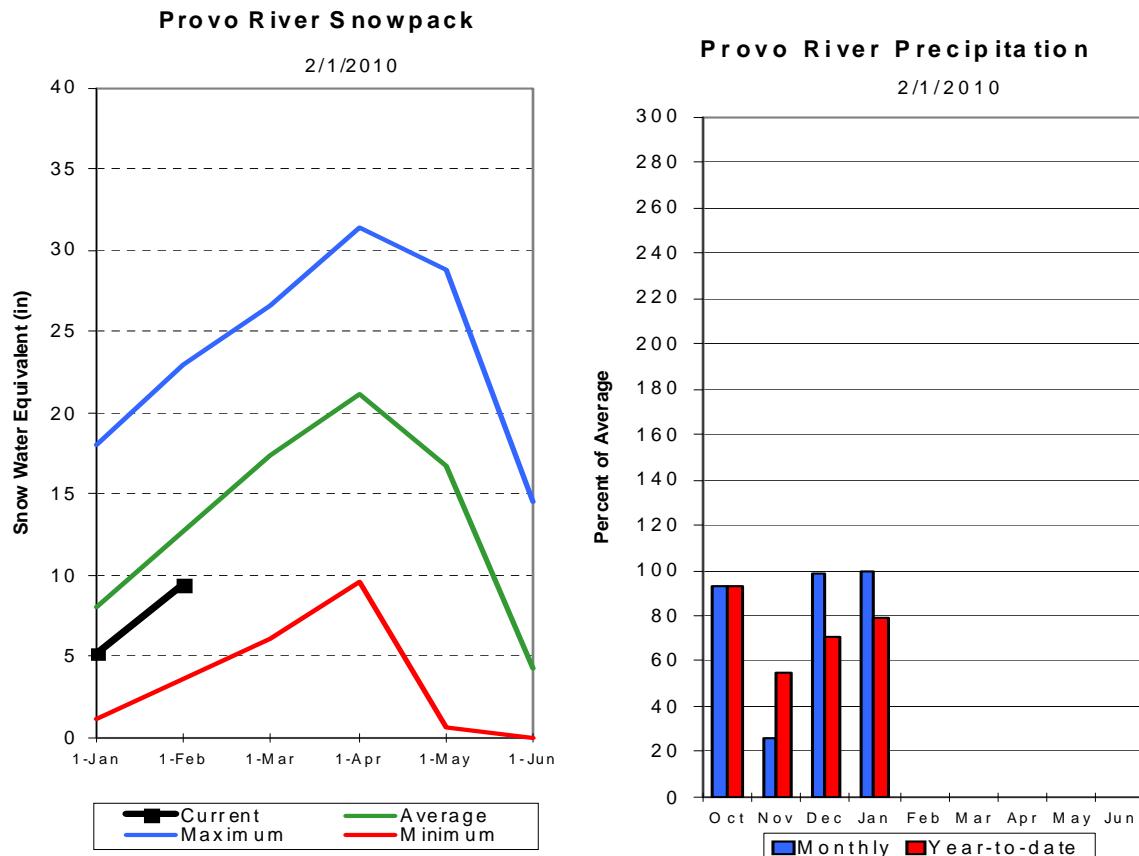
February



Utah Lake, Jordan River & Tooele Valley Basins

February 1, 2010

Snowpack over these basins are below average at 74%, which is 75% of last year. Individual sites range from 61% at Daniels-Strawberry Snotel, to 100% of average at the Vernon Creek Snotel. January precipitation was average at 100%, bringing the seasonal accumulation (Oct-Jan) to 79% of average. Average soil moisture in runoff producing areas is estimated at 30% of saturation in the upper 2 feet of soil compared to 41% at this time last year. Reservoir storage is at 90% of capacity, 7% higher than last year. Streamflow forecasts (Apr-July) range from 56% to 76% of average. The Surface Water Supply Index below Deer Creek reservoir is 59%, indicating general water supply conditions are near normal.



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

UTAH LAKE, JORDAN RIVER & TOOKELE VALLEY Streamflow Forecasts - February 1, 2010									
Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions =====>> Wetter =====>							
		Chance Of Exceeding *				30-Yr Avg.			
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)	
Salt Ck At Nephi, Ut	APR-JUL	0.47	2.50	6.60	70	10.70	14.10	9.40	
Spanish Fk at Castilla, UT	APR-JUL	1.5	28	48	62	69	121	77	
Provo River nr Woodland	APR-JUL	38	57	72	70	89	117	103	
Provo River nr Hailstone	APR-JUL	39	58	74	68	92	121	109	
Provo R blw Deer Ck Dam, UT	APR-JUL	36	62	80	64	98	124	126	
American Fk abv Upper Powerplant	APR-JUL	4.2	13.6	20	63	26	36	32	
Utah Lake inflow	APR-JUL	10.0	107	215	66	355	710	325	
West Canyon Ck Nr Cedar Fort	APR-JUL	0.29	1.07	1.60	67	2.10	2.90	2.40	
Little Cottonwood Ck nr SLC	APR-JUL	19.9	26	30	75	35	42	40	
Big Cottonwood Ck nr SLC, UT	APR-JUL	13.0	21	26	68	31	39	38	
Mill Ck nr SLC, UT	APR-JUL	0.47	2.80	4.30	61	5.80	8.10	7.00	
Parleys Ck nr SLC, UT	APR-JUL	0.5	6.2	10.0	60	13.8	19.5	16.7	
Dell Fork nr SLC, UT	APR-JUL	0.14	1.46	4.00	59	5.80	8.90	6.80	
Emigration Ck nr SLC, UT	APR-JUL	0.18	1.06	2.50	56	3.90	6.10	4.50	
City Ck nr SLC, UT	APR-JUL	0.52	3.30	5.20	60	7.10	9.90	8.70	
Vernon Creek nr Vernon	APR-JUL	0.03	0.47	1.10	74	1.58	2.20	1.48	
Settlement Creek Abv Resv Nr Tooole, APR-JUL	APR-JUL	0.06	0.90	1.60	76	2.30	3.30	2.10	
South Willow Ck nr Grantsville, UT	APR-JUL	0.56	1.66	2.40	74	3.10	4.20	3.23	

UTAH LAKE, JORDAN RIVER & TOOKELE VALLEY Reservoir Storage (1000 AF) - End of January				UTAH LAKE, JORDAN RIVER & TOOKELE VALLEY Watershed Snowpack Analysis - February 1, 2010			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr Average
		This Year	Last Year	Avg			
DEER CREEK	149.7	134.3	112.5	104.8	PROVO RIVER & UTAH LAKE	7	75 72
GRANTSVILLE	3.3	1.5	1.4	1.8	PROVO RIVER	4	75 73
SETTLEMENT CREEK	1.0	0.5	0.5	0.6	JORDAN RIVER & GSL	6	73 74
STRAWBERRY-ENLARGED	1105.9	975.3	937.5	642.2	TOOKELE & RUSH VALLEY WATE	3	86 79
UTAH LAKE	870.9	871.5	747.0	790.9	UTAH LAKE/JORDAN R./TOOEL	16	75 74
VERNON CREEK	0.6	0.6	0.6	---			

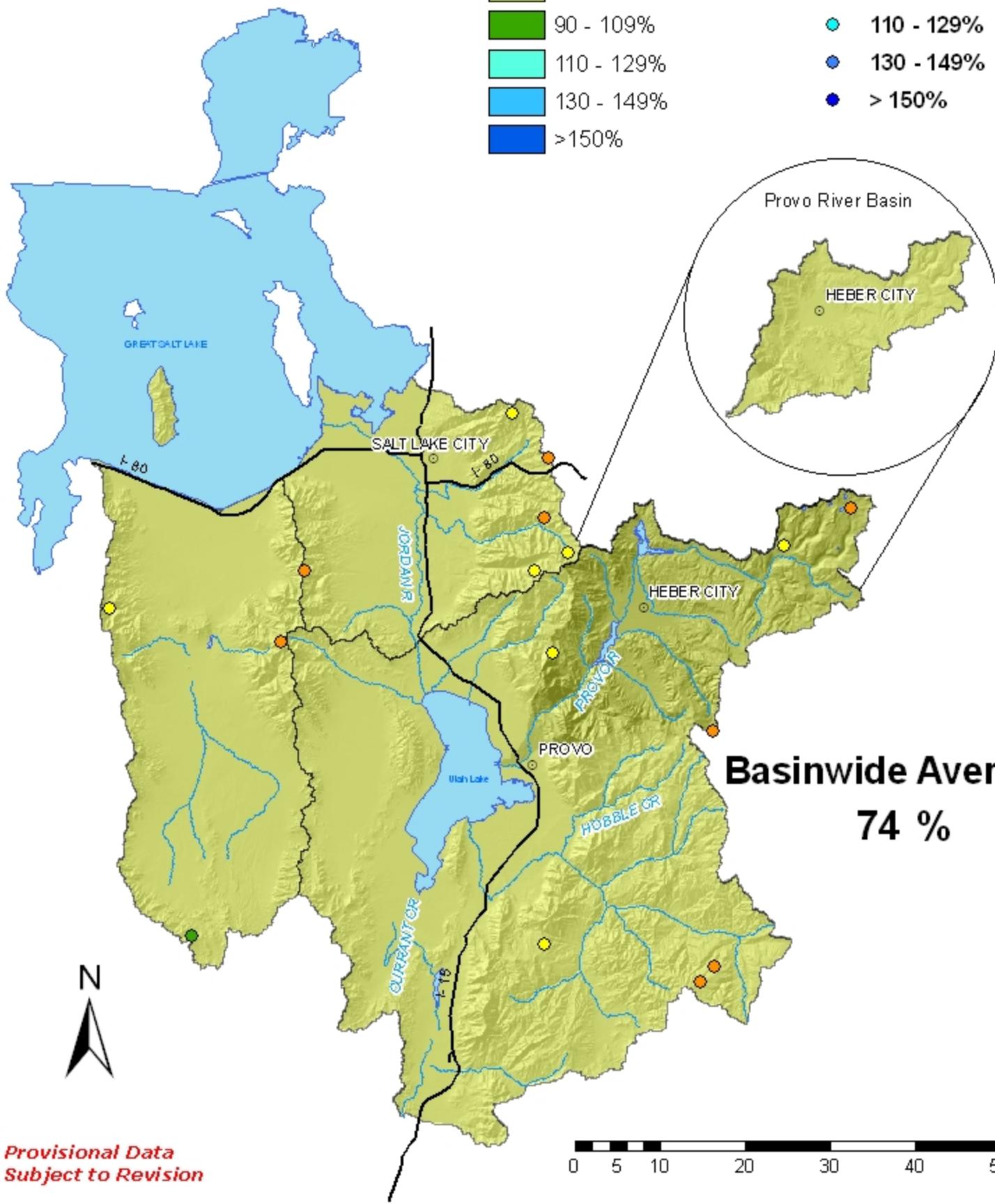
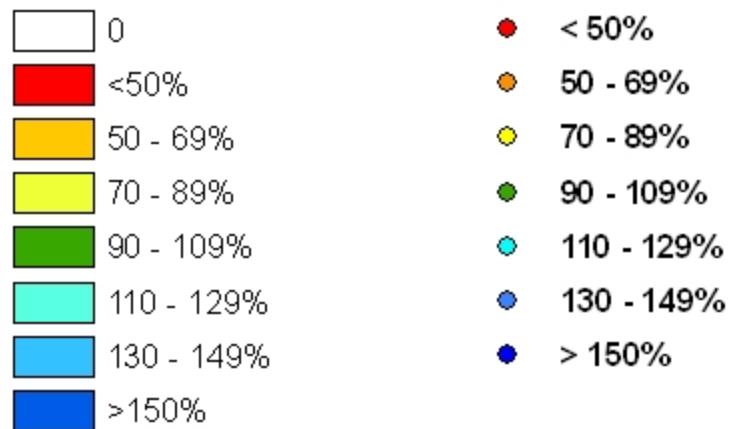
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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

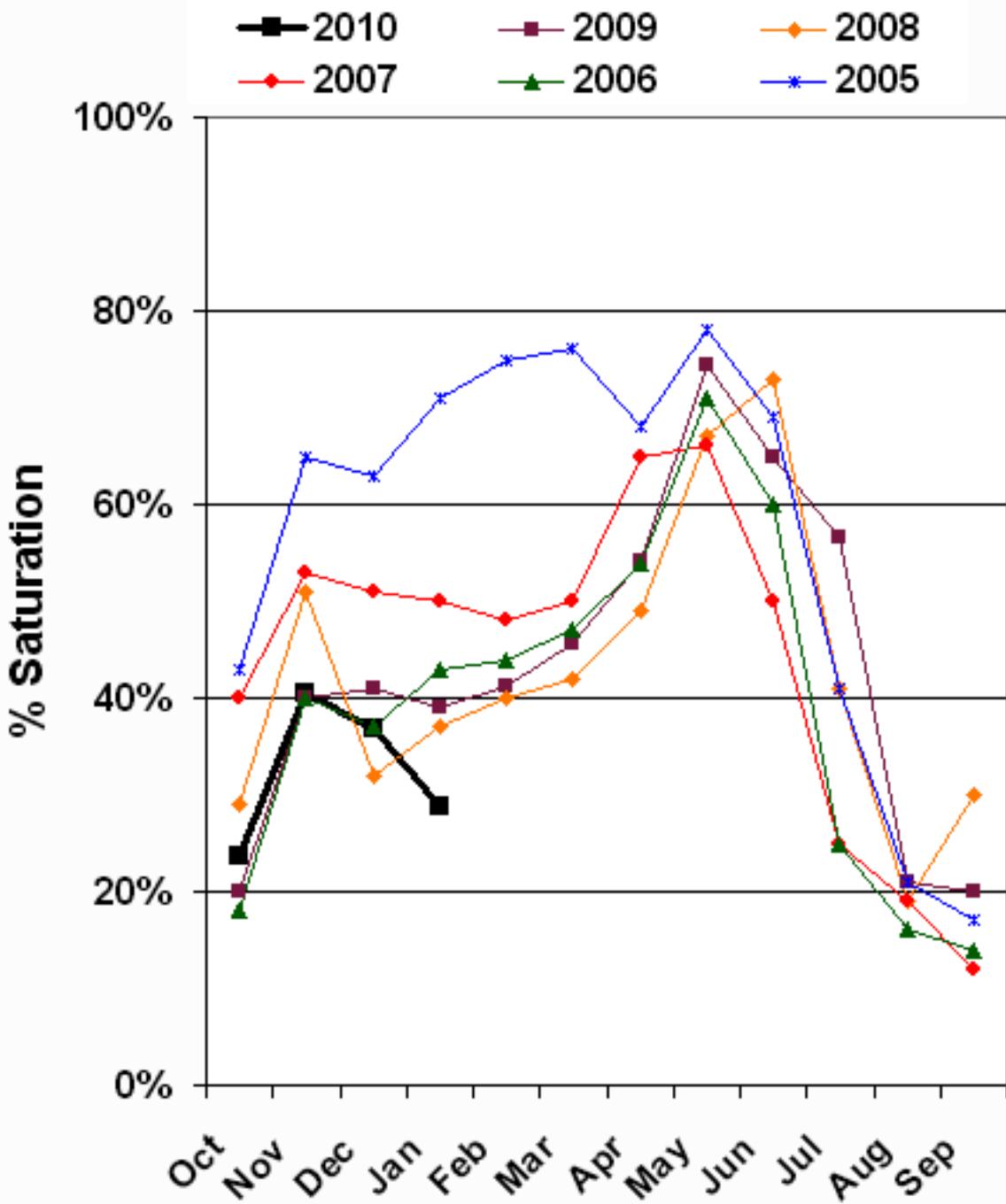
- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

Utah Lake, Jordan River & Tooele Valley

Watershed % of Average Snotel % of Average



Jordan/Provo River Soil Moisture

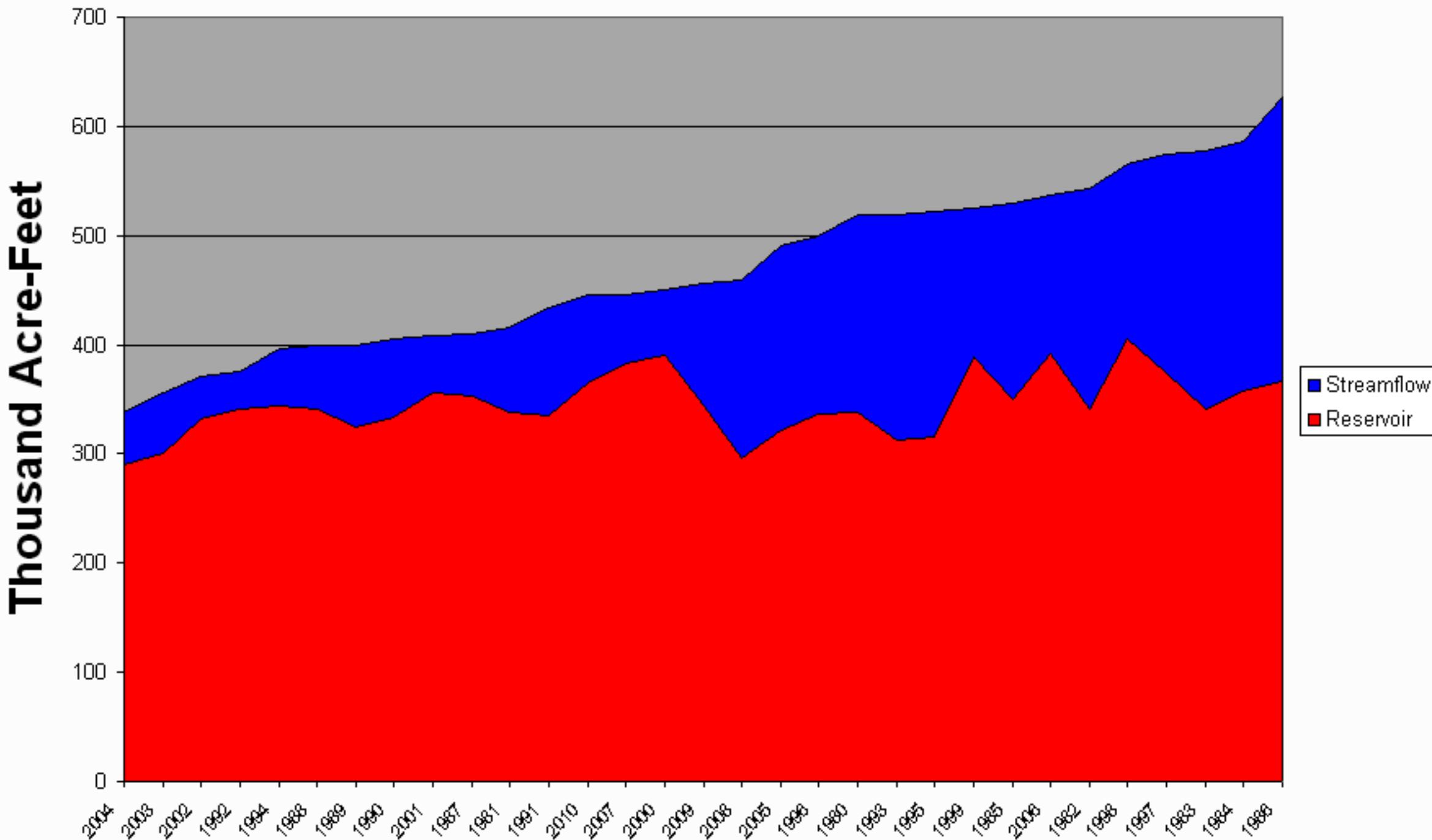


February

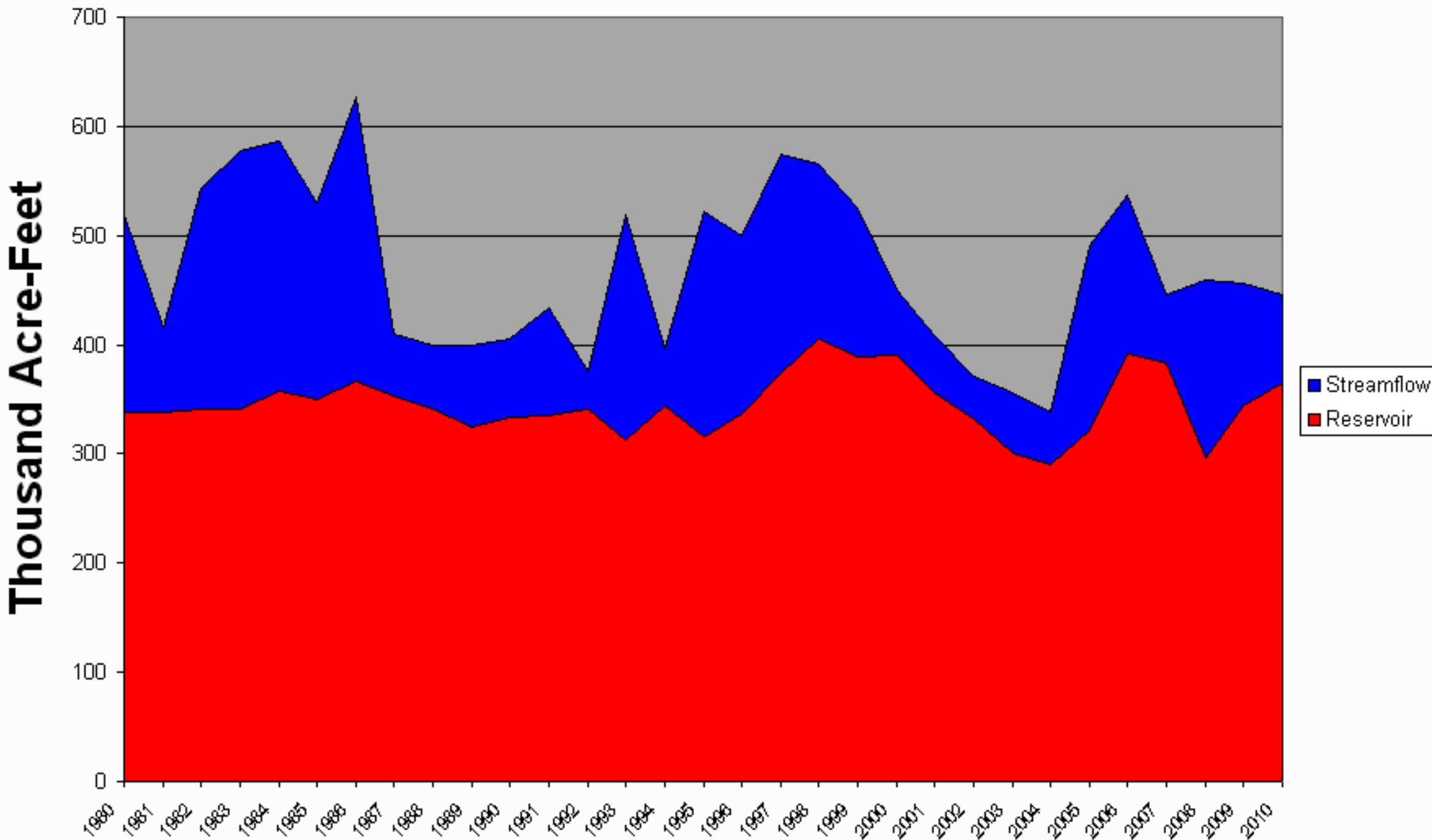
Provo River SWSI @ inflow of Deer Creek - BOR data

Rank	WY	January EOM Reservoir Storage	April - July Predicted Streamflow	# of years Streamflow + EOM Storage	31	
					Non-Exceedance Probability	February SWSI
1	2004	291	47	338	97%	3.91
2	2003	301	55	356	94%	3.65
3	2002	332	39	371	91%	3.39
4	1992	341	35	375	88%	3.13
5	1994	345	51	396	84%	2.86
6	1988	341	59	400	81%	2.60
7	1989	324	76	400	78%	2.34
8	1990	333	72	406	75%	2.08
9	2001	356	52	408	72%	1.82
10	1987	353	56	409	69%	1.56
11	1981	339	77	416	66%	1.30
12	1991	335	99	434	63%	1.04
13	2010	365	80	445	59%	0.78
14	2007	382	63	445	56%	0.52
15	2000	390	60	450	53%	0.26
16	2009	344	113	457	50%	0.00
17	2008	296	164	460	47%	-0.26
18	2005	321	169	491	44%	-0.52
19	1996	337	163	500	41%	-0.78
20	1980	339	180	519	38%	-1.04
21	1993	312	208	520	34%	-1.30
22	1995	316	206	522	31%	-1.56
23	1999	389	136	525	28%	-1.82
24	1985	350	180	529	25%	-2.08
25	2006	392	145	537	22%	-2.34
26	1982	341	203	544	19%	-2.60
27	1998	405	160	565	16%	-2.86
28	1997	374	199	574	13%	-3.13
29	1983	341	237	578	9%	-3.39
30	1984	357	229	586	6%	-3.65
31	1986	366	260	626	3%	-3.91

Provo River SWSI @ Deer Creek Inflow



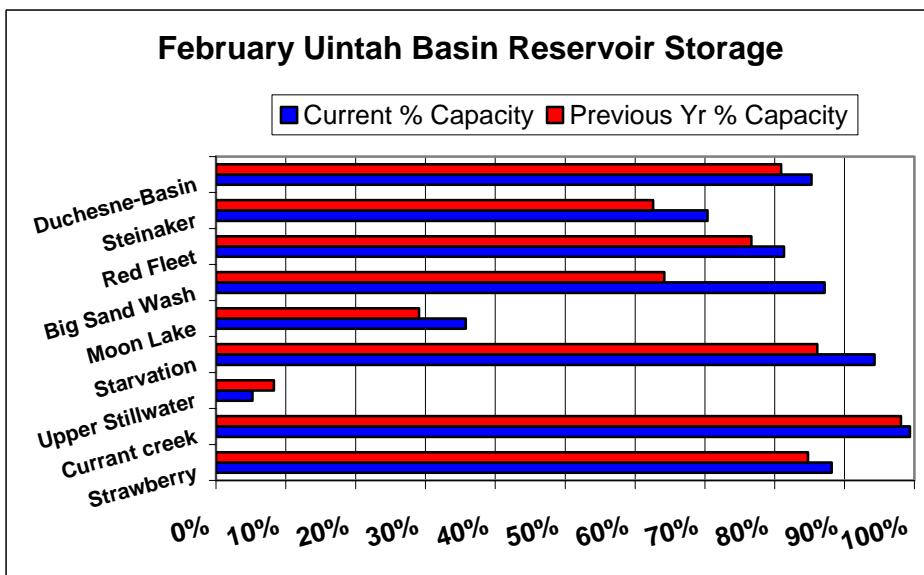
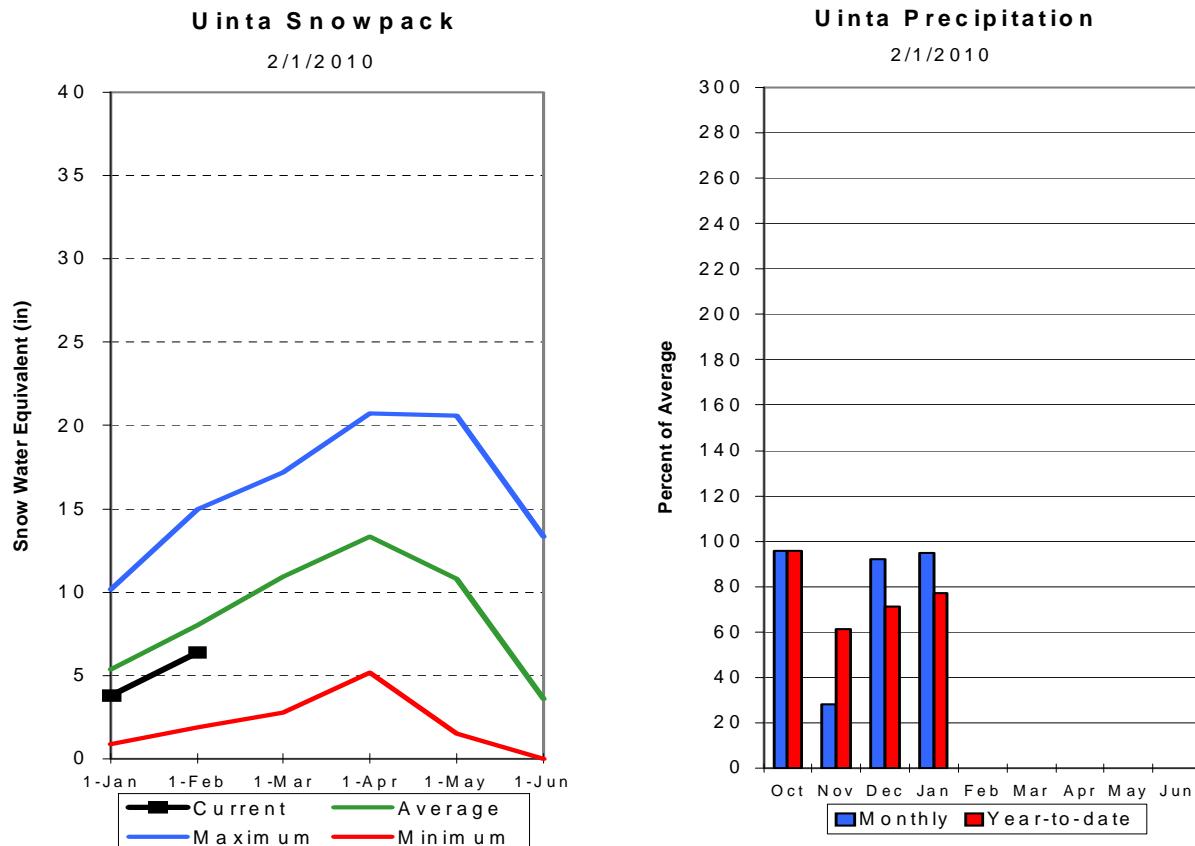
Provo River SWSI @ Deer Creek Inflow



Uintah Basin and Dagget SCD's

February 1, 2010

Snowpack across the Uintas is below average at 80%, which is 96% of last year. Individual sites on the North Slope range from 57% to 103% and on the South Slope range from 61% to 102% of average. Precipitation during January was near average at 95% bringing the seasonal accumulation (Oct-Jan) to 77%. Soil moisture values in runoff producing areas are at 17% of saturation in the upper 2 feet of soil compared to 31% last year. Reservoir storage is at 85% of capacity, 4% more than last year. Streamflow forecasts (Apr-July) range from 54% to 86% of average. The Surface Water Supply Index for the western area is 44% and for the eastern area it is 56% indicating near normal conditions on the west side the eastern area. General water supply conditions range from near to slightly below average.



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

=====
UINTAH BASIN & DAGGET SCD'S
Streamflow Forecasts - February 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)			
Blacks Fork nr Robertson	APR-JUL	41	55	65	68	76	94	95		
EF of Smiths Fork nr Robertson (2)	APR-JUL	11.5	16.3	20	69	24	31	29		
Flaming Gorge Reservoir Inflow (2)	APR-JUL	345	530	675	57	840	1110	1190		
Big Brush Ck abv Red Fleet Resv	APR-JUL	11.2	15.1	18.0	86	21	26	21		
Ashley Creek nr Vernal	APR-JUL	27	36	44	85	52	66	52		
Duchesne R nr Tabiona (2)	APR-JUL	47	63	76	72	90	113	105		
Upper Stillwater Reservoir Inflow	APR-JUL	44	54	62	76	70	83	82		
Rock Ck nr Mountain Home (2)	APR-JUL	49	61	70	79	79	95	89		
Duchesne R abv Knight Diversion (2)	APR-JUL	90	119	140	75	163	200	188		
Strawberry R nr Soldier Springs (2)	APR-JUL	17.1	29	38	64	49	67	59		
Currant Creek Reservoir Inflow (2)	APR-JUL	7.7	12.8	17.0	68	22	30	25		
Strawberry R nr Duchesne (2)	APR-JUL	36	59	78	65	100	137	121		
Lake Fork River Moon Lake Inflow	APR-JUL	38	48	55	81	63	75	68		
Yellowstone River nr Altonah	APR-JUL	33	43	50	81	58	71	62		
Duchesne R at Myton (2)	APR-JUL	50	104	151	58	205	305	260		
Uinta R bl Powerplant Div nr Neola	APR-JUL	35	45	64	81	83	110	79		
Whiterocks nr Whiterocks	APR-JUL	28	39	47	84	56	70	56		

UINTAH BASIN & DAGGET SCD'S Reservoir Storage (1000 AF) - End of January					UINTAH BASIN & DAGGET SCD'S Watershed Snowpack Analysis - February 1, 2010				
Reservoir	Usable Capacity	*** Usable Storage ***	Watershed	Number of Data Sites	This Year as % of Last Yr	This Year as % of Average			
FLAMING GORGE	3749.0	3210.0	2969.0	2966.0	UPPER GREEN RIVER in UTAH	6	115	80	
MOON LAKE	49.5	12.8	10.4	27.9	ASHLEY CREEK	2	135	100	
RED FLEET	25.7	20.9	19.7	18.0	BLACK'S FORK RIVER	2	87	65	
STEINAKER	33.4	23.5	20.9	21.6	SHEEP CREEK	1	157	82	
STARVATION	165.3	155.4	142.3	132.3	DUCHESNE RIVER	11	90	80	
STRAWBERRY-ENLARGED	1105.9	975.3	937.5	642.2	LAKE FORK-YELLOWSTONE CRE	4	81	78	
					STRAWBERRY RIVER	4	94	75	
					UINTAH-WHITEROCKS RIVERS	2	97	89	
					UINTAH BASIN & DAGGET SCD	17	96	80	

* 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.

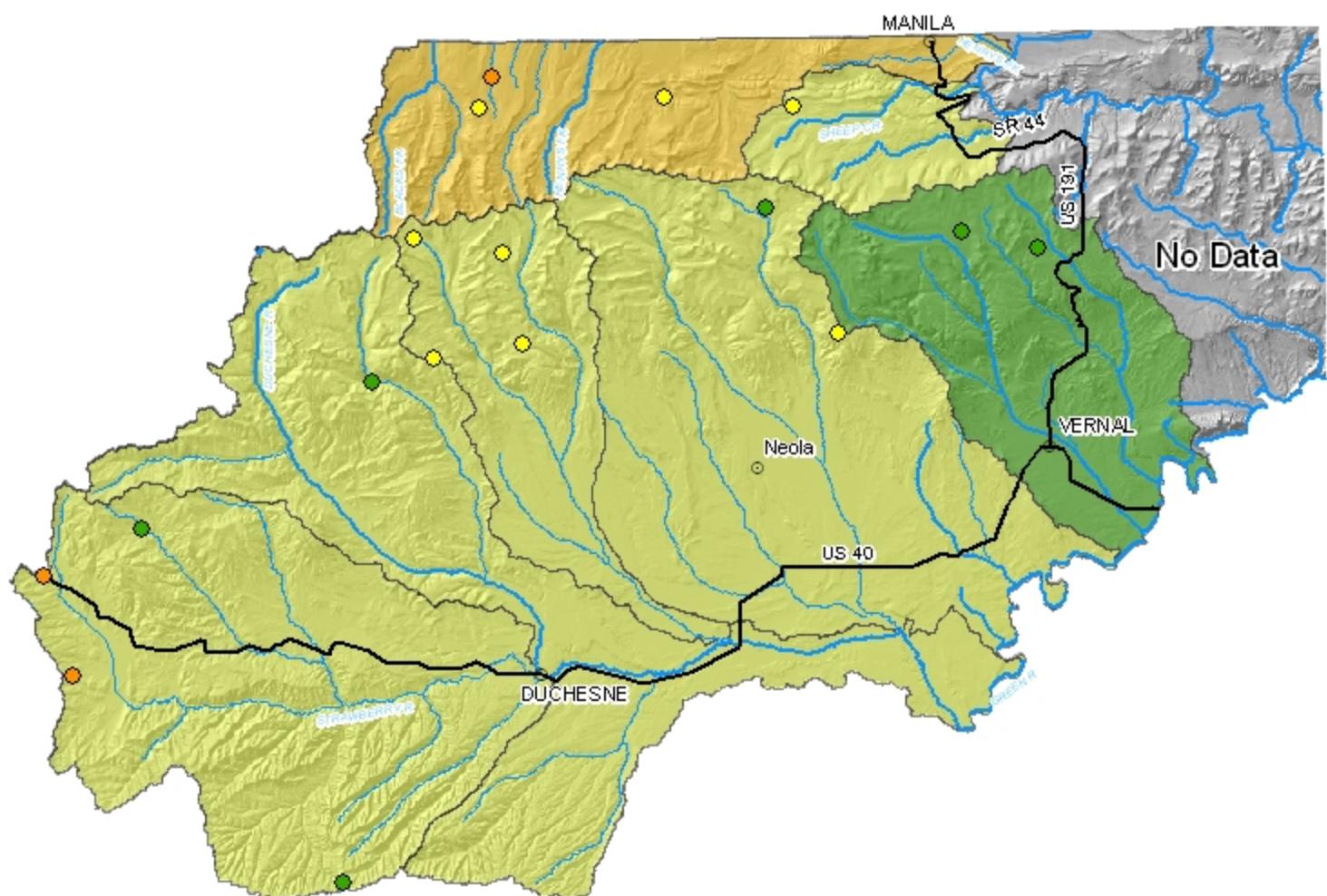
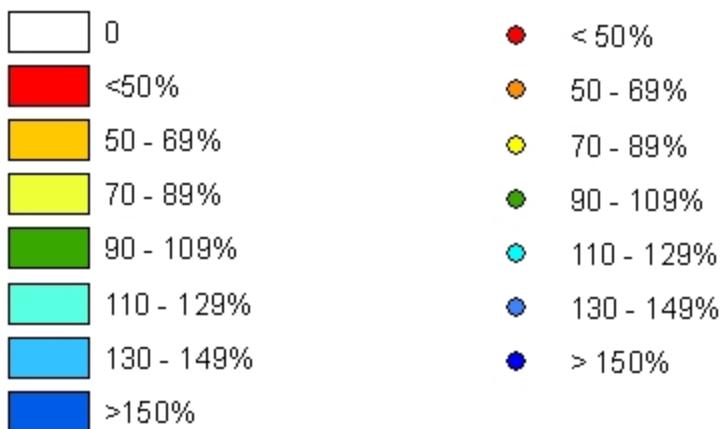
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Uintah Basin & Dagget SCD's

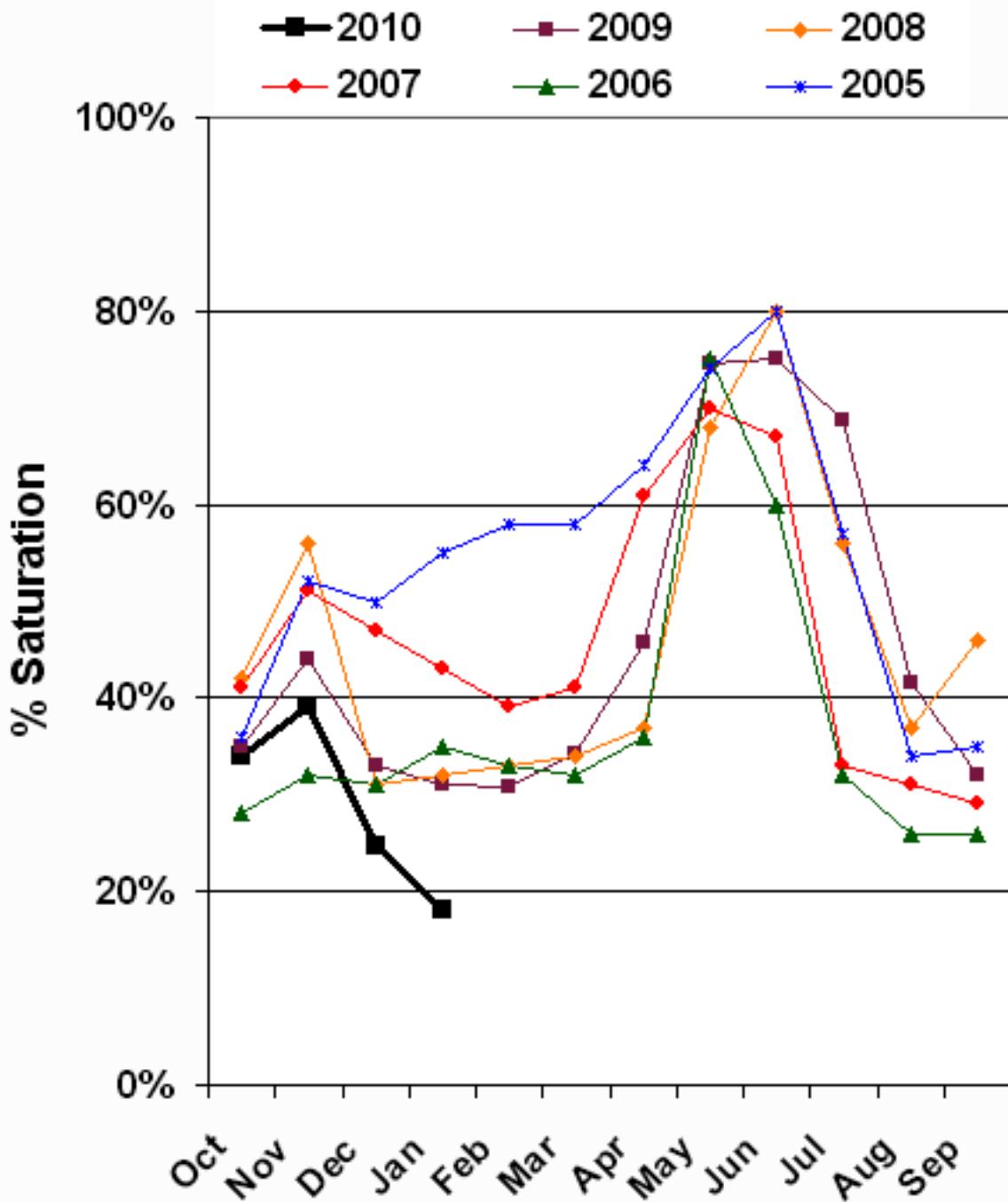


Watershed % of Average Snotel % of Average



**Basinwide Average
80 %**

Uintah Basin Soil Moisture



WESTERN UNTA BASIN SWSI

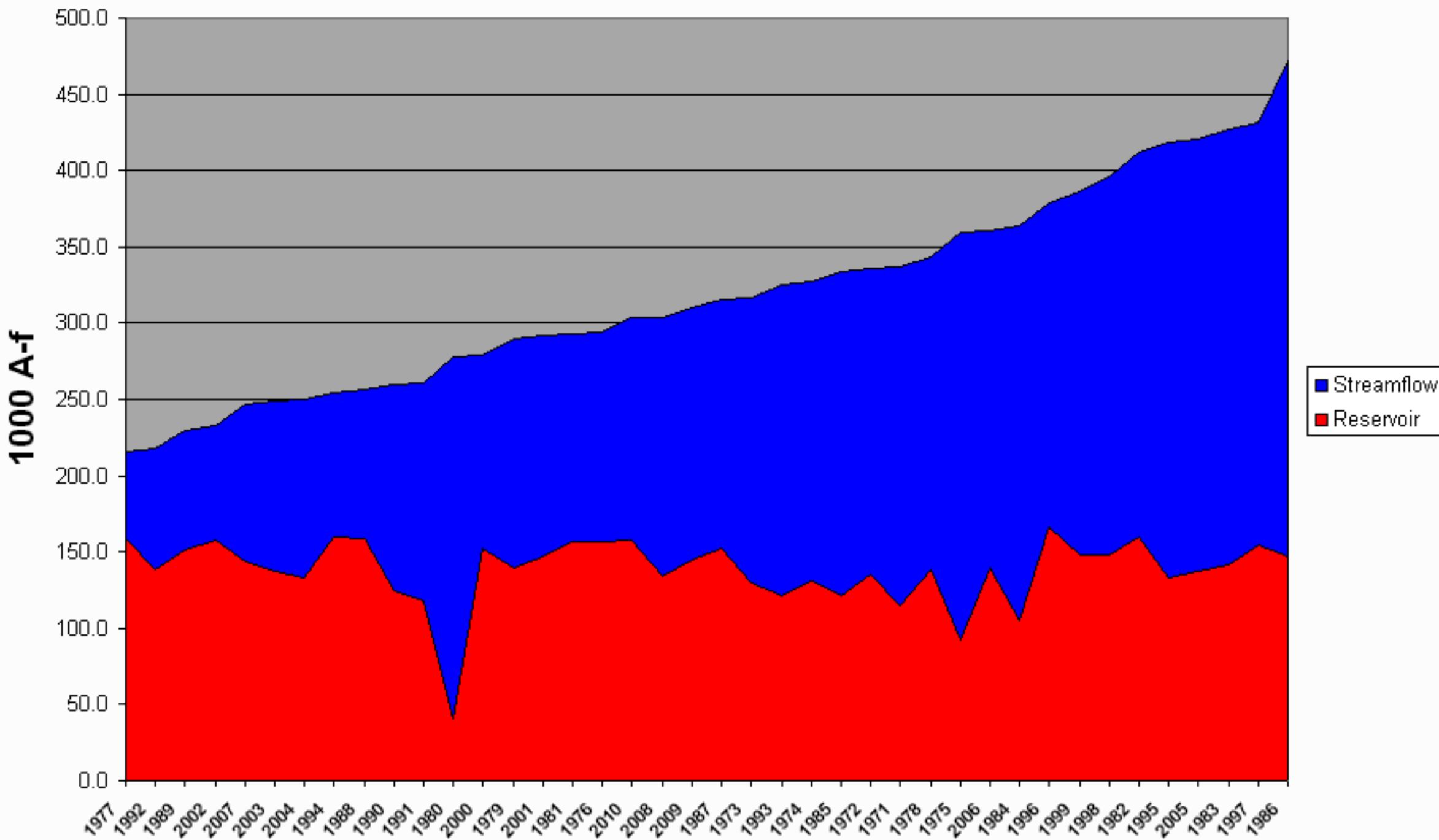
February 1, 2010

of years **40**

#	Year	EOM		Reservoir + Streamflow	Probability	SWSI
		January Reservoir	Apr-Jul Streamflow			
1	1977	158.5	57.0	215.5	2	-3.96
2	1992	138.7	78.6	217.3	5	-3.76
3	1989	151.2	78.7	229.9	7	-3.56
4	2002	157.4	75.6	233.0	10	-3.35
5	2007	144.0	102.8	246.9	12	-3.15
6	2003	136.9	112.1	249.0	15	-2.95
7	2004	132.6	116.8	249.5	17	-2.74
8	1994	159.7	94.7	254.4	20	-2.54
9	1988	158.6	98.1	256.7	22	-2.34
10	1990	124.4	134.8	259.2	24	-2.13
11	1991	118.5	142.2	260.7	27	-1.93
12	1980	40.7	236.8	277.5	29	-1.73
13	2000	152.0	127.1	279.2	32	-1.52
14	1979	139.7	150.0	289.7	34	-1.32
15	2001	146.8	144.7	291.5	37	-1.12
16	1981	157.1	135.8	292.8	39	-0.91
17	1976	156.7	137.6	294.3	41	-0.71
18	2010	157.6	146.0	303.6	44	-0.51
19	2008	134.2	169.5	303.7	46	-0.30
20	2009	144.8	165.0	309.8	49	-0.10
21	1987	152.1	162.9	315.0	51	0.10
22	1973	130.0	186.8	316.8	54	0.30
23	1993	121.1	203.9	325.0	56	0.51
24	1974	131.4	195.5	326.9	59	0.71
25	1985	121.5	212.1	333.6	61	0.91
26	1972	135.1	200.3	335.4	63	1.12
27	1971	114.4	222.7	337.1	66	1.32
28	1978	138.2	204.8	343.0	68	1.52
29	1975	92.4	266.6	359.0	71	1.73
30	2006	139.8	220.6	360.4	73	1.93
31	1984	105.4	258.2	363.5	76	2.13
32	1996	166.6	211.7	378.3	78	2.34
33	1999	148.6	237.4	386.0	80	2.54
34	1998	148.4	247.2	395.6	83	2.74
35	1982	159.6	252.7	412.4	85	2.95
36	1995	133.3	284.9	418.2	88	3.15
37	2005	137.8	282.7	420.5	90	3.35
38	1983	141.6	285.2	426.8	93	3.56
39	1997	154.6	276.7	431.3	95	3.76
40	1986	147.0	324.7	471.6	98	3.96

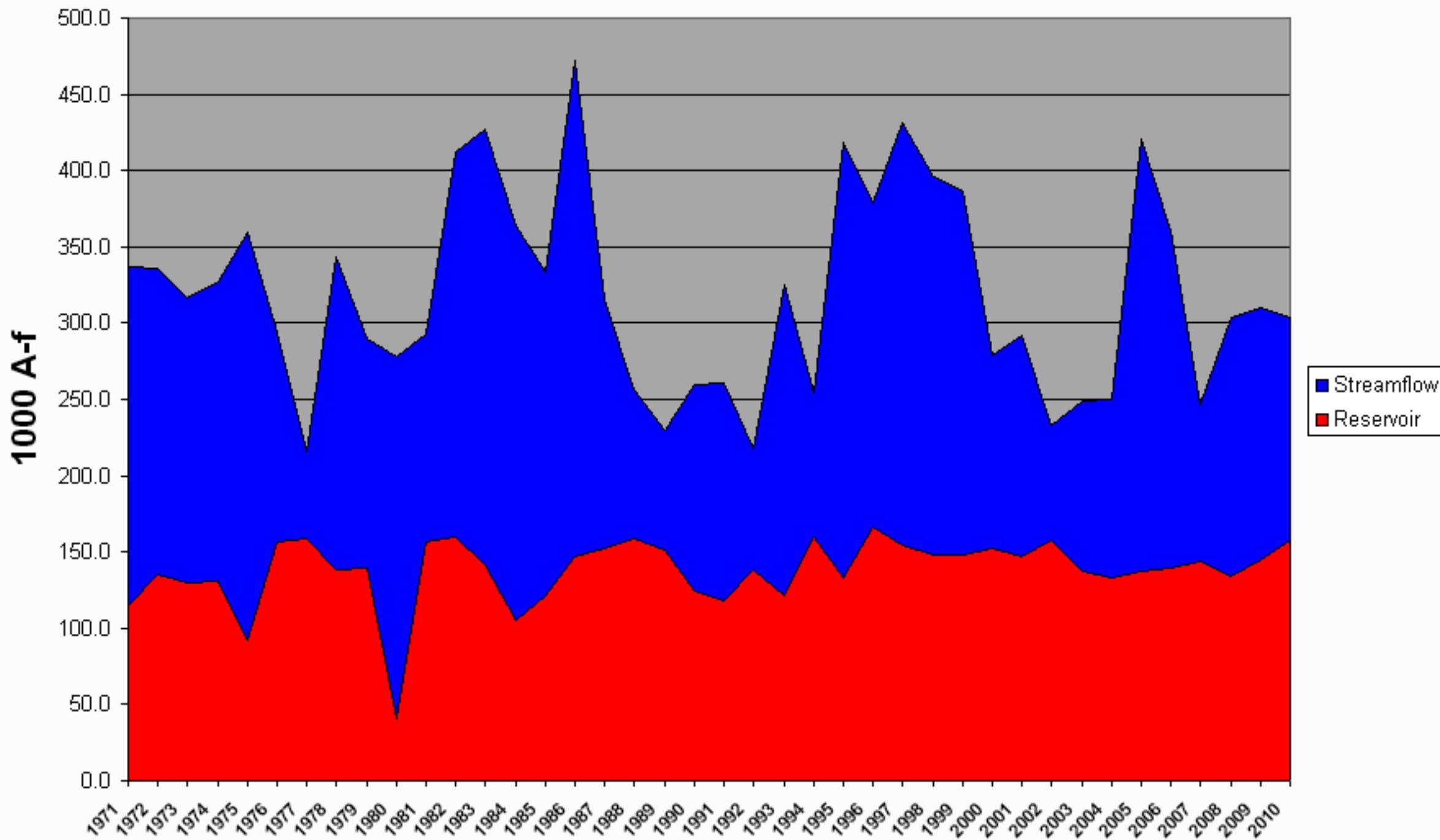
Western Uintah Basin Surface Water Supply Index

February



Western Uintah Basin Surface Water Supply Index

February



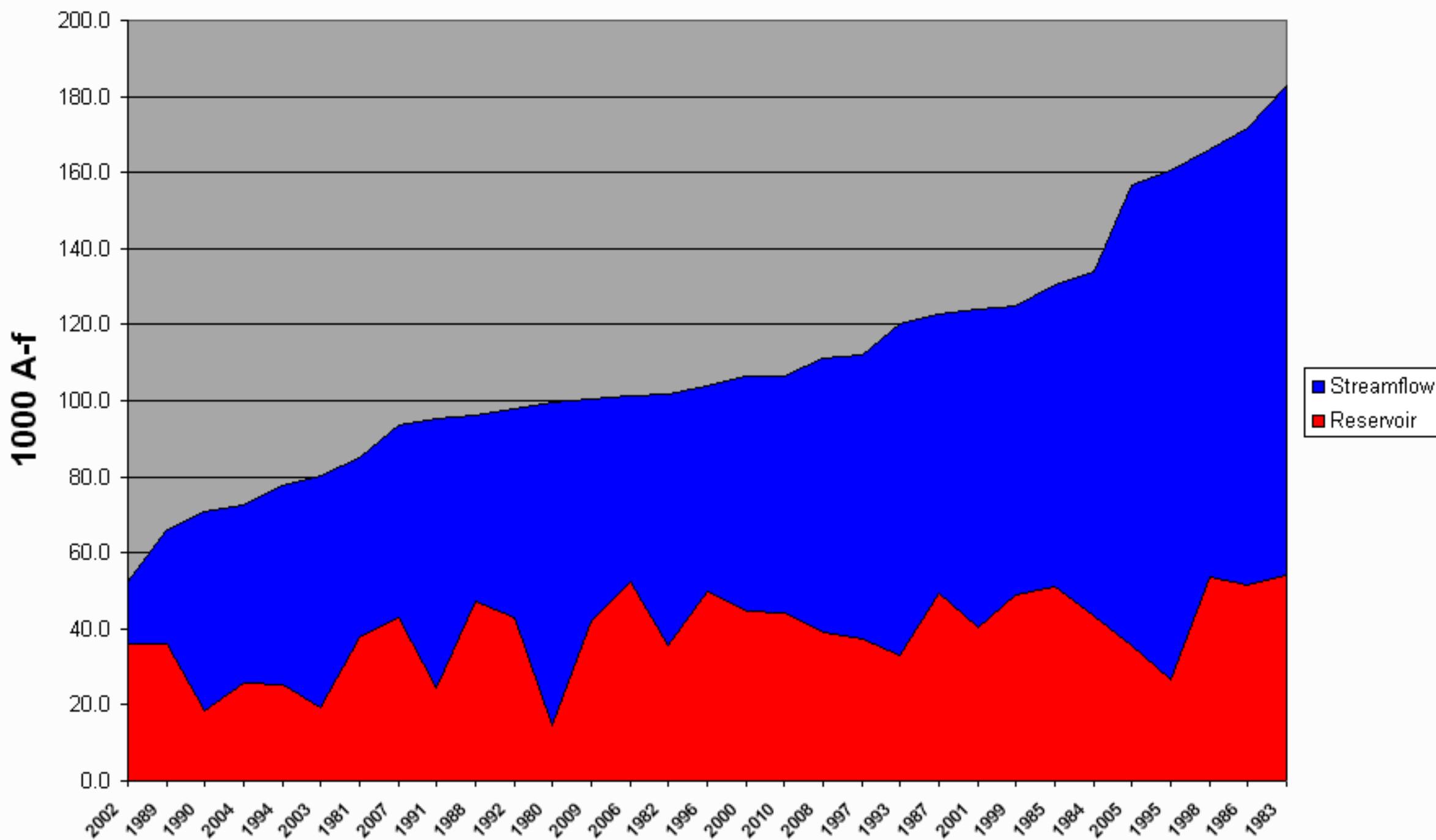
EASTERN UNTA BASIN SWSI

February 1, 2010

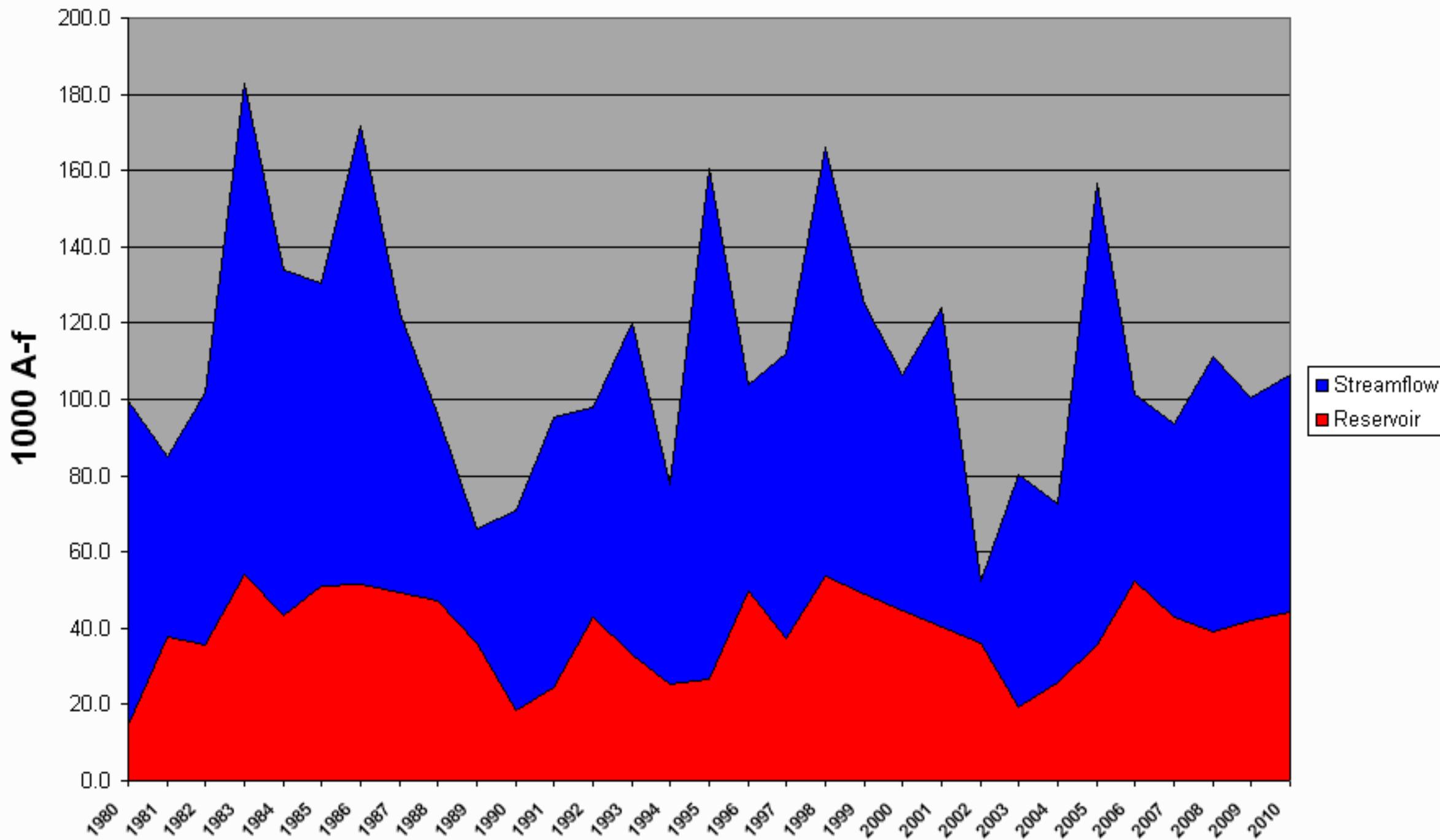
of years 31

#	Year	EOM		Reservoir + Streamflow	Probability	SWSI
		January Reservoir	Apr-Jul Streamflow			
1	2002	35.8	16.7	52.5	3	-3.91
2	1989	35.9	30.1	66.0	6	-3.65
3	1990	18.5	52.4	70.9	9	-3.39
4	2004	25.7	47.0	72.7	13	-3.13
5	1994	25.5	52.3	77.7	16	-2.86
6	2003	19.3	61.2	80.4	19	-2.60
7	1981	37.8	47.1	84.9	22	-2.34
8	2007	42.8	50.6	93.4	25	-2.08
9	1991	24.3	71.1	95.3	28	-1.82
10	1988	47.1	49.0	96.1	31	-1.56
11	1992	42.8	55.0	97.8	34	-1.30
12	1980	14.8	85.0	99.8	38	-1.04
13	2009	42.3	58.0	100.3	41	-0.78
14	2006	52.4	49.0	101.4	44	-0.52
15	1982	35.8	65.7	101.5	47	-0.26
16	1996	49.6	54.1	103.7	50	0.00
17	2000	44.6	61.7	106.3	53	0.26
18	2010	44.4	62.0	106.4	56	0.52
19	2008	39.0	72.0	111.0	59	0.78
20	1997	37.3	74.6	111.9	63	1.04
21	1993	33.0	87.1	120.1	66	1.30
22	1987	49.4	73.4	122.8	69	1.56
23	2001	40.5	83.6	124.0	72	1.82
24	1999	48.9	76.2	125.1	75	2.08
25	1985	51.3	79.1	130.4	78	2.34
26	1984	43.5	90.4	133.9	81	2.60
27	2005	35.6	121.1	156.7	84	2.86
28	1995	26.5	134.2	160.7	88	3.13
29	1998	53.6	112.6	166.2	91	3.39
30	1986	51.4	120.3	171.7	94	3.65
31	1983	54.2	128.4	182.7	97	3.91

Eastern Uintah Basin Surface Water Supply Index February

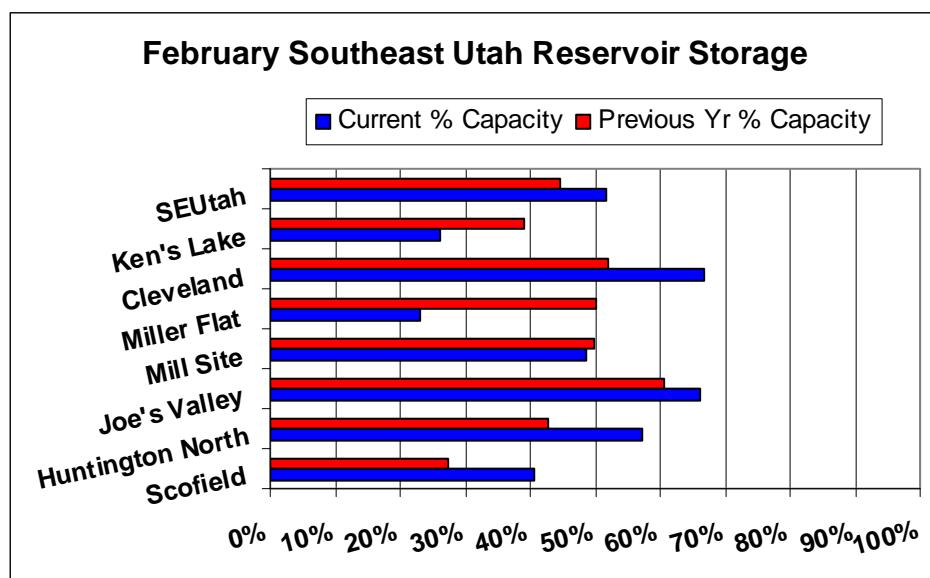
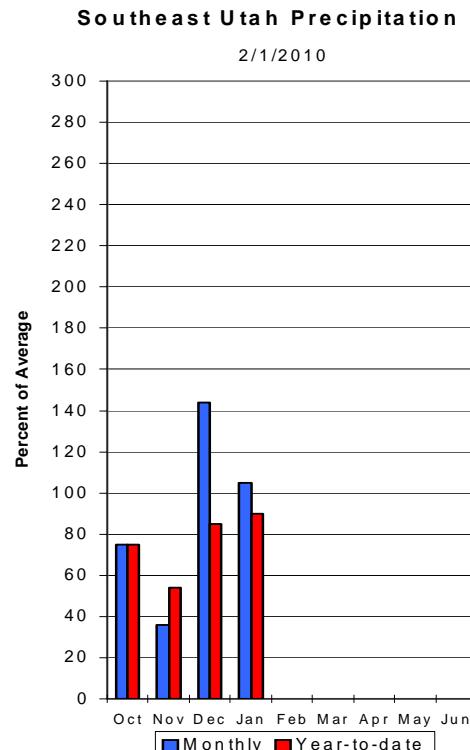
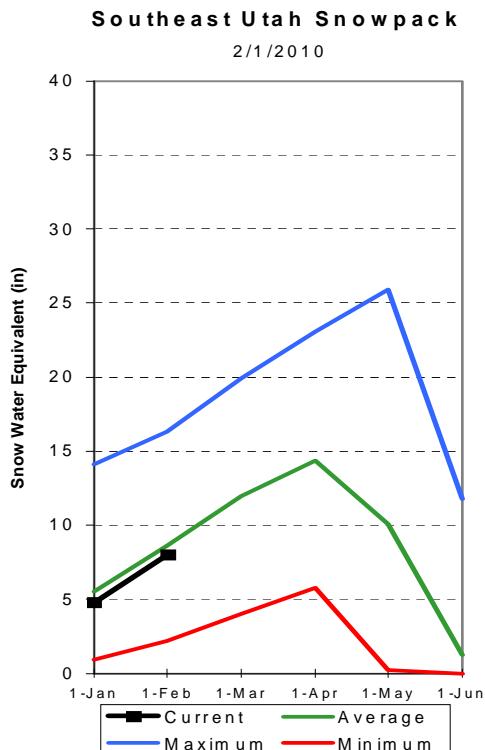


Eastern Uintah Basin Surface Water Supply Index February



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

Snowpacks in this region are near normal at 92% of average, about 106% of last year. Individual sites range from 62% at Red Pine Ridge to 178% of average at East Willow Creek. Precipitation during January was near average at 105%, bringing the seasonal accumulation (Oct-Jan) to 90% of normal. Soil moisture estimates in runoff producing areas are at 32% of saturation in the upper 2 feet of soil, 4% below last year at this time. Forecast streamflows (Apr – July) range from 65% to 145% of average. Reservoir storage is at 52% of capacity, up 7% from last year at this time. Surface Water Supply Indices for the area are: Price 33%, Joe's Valley 43%, Ferron Creek 26%, and Moab 63%. General runoff and water supply conditions are near and 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 February 1, 2010

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

Forecast Point	Forecast Period	<<===== Drier ===== Future Conditions ===== Wetter =====>>				30-Yr Avg. (1000AF)		
		90% (1000AF)	70% (1000AF)	Chance Of Exceeding * (1000AF)	50% (% AVG.)			
Fish Creek Abv Reservoir Nr Scofield	APR-JUL	12.0	16.7	23	72	29	39	32
Price River nr Scofield Reservoir	APR-JUL	19.3	26	32	71	38	49	45
White River blw Tabbyune Creek	APR-JUL	6.4	9.3	11.5	67	14.0	18.0	17.3
Green River at Green River, UT (2)	APR-JUL	695	1510	2070	65	2630	3450	3170
Huntington Ck Inflow to Electric Lk	APR-JUL	6.0	8.5	10.5	67	12.7	16.2	15.7
Huntington Ck nr Huntington (2)	APR-JUL	18.4	27	33	67	40	52	49
Joe's Valley Reservoir Inflow	APR-JUL	22	32	39	67	47	61	58
Ferron Ck (Upper Station) nr Ferron	APR-JUL	16.4	22	27	69	32	40	39
Seven Mile Ck Nr Fish Lake, Ut	APR-JUL	3.30	4.40	6.00	86	7.60	10.00	7.00
Colorado River nr Cisco (2)	APR-JUL	2200	2880	3680	79	4480	5400	4650
Mill Creek at Sheley Tunnel nr Moab	APR-JUL	2.86	4.03	5.00	100	6.11	8.00	5.00
Muddy Creek nr Emery	APR-JUL	7.2	10.7	13.5	68	16.6	22	19.9
Pine Creek Nr Escalante	APR-JUL	1.18	2.20	3.00	125	4.00	5.60	2.40
South Ck ab Lloyd's Res nr Monticell	MAR-JUL	1.03	1.56	2.00	145	2.50	3.40	1.38
San Juan River near Bluff (2)	APR-JUL	630	1000	1250	102	1500	1870	1230

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

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

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	2.4	1.8	2.8	PRICE RIVER	3	87	71
JOE'S VALLEY	61.6	40.7	37.4	41.2	SAN RAFAEL RIVER	3	87	71
KEN'S LAKE	2.3	0.6	0.9	1.1	MUDY CREEK	1	109	85
MILL SITE	16.7	8.1	8.3	78.8	FREMONT RIVER	3	140	108
SCOFIELD	65.8	26.7	18.0	33.8	LASAL MOUNTAINS	1	109	109
					BLUE MOUNTAINS	1	144	161
					WILLOW CREEK	1	140	178
					SOUTHEASTERN UTAH	13	106	92

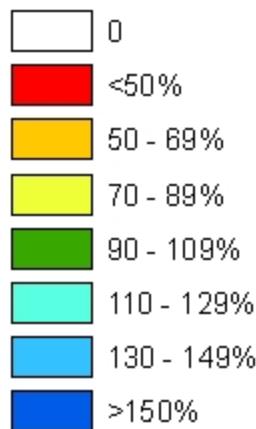
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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

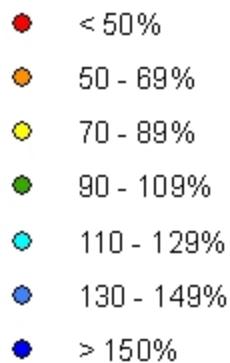
- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.

Carbon, Emery, Wayne Grand & San Juan Basins

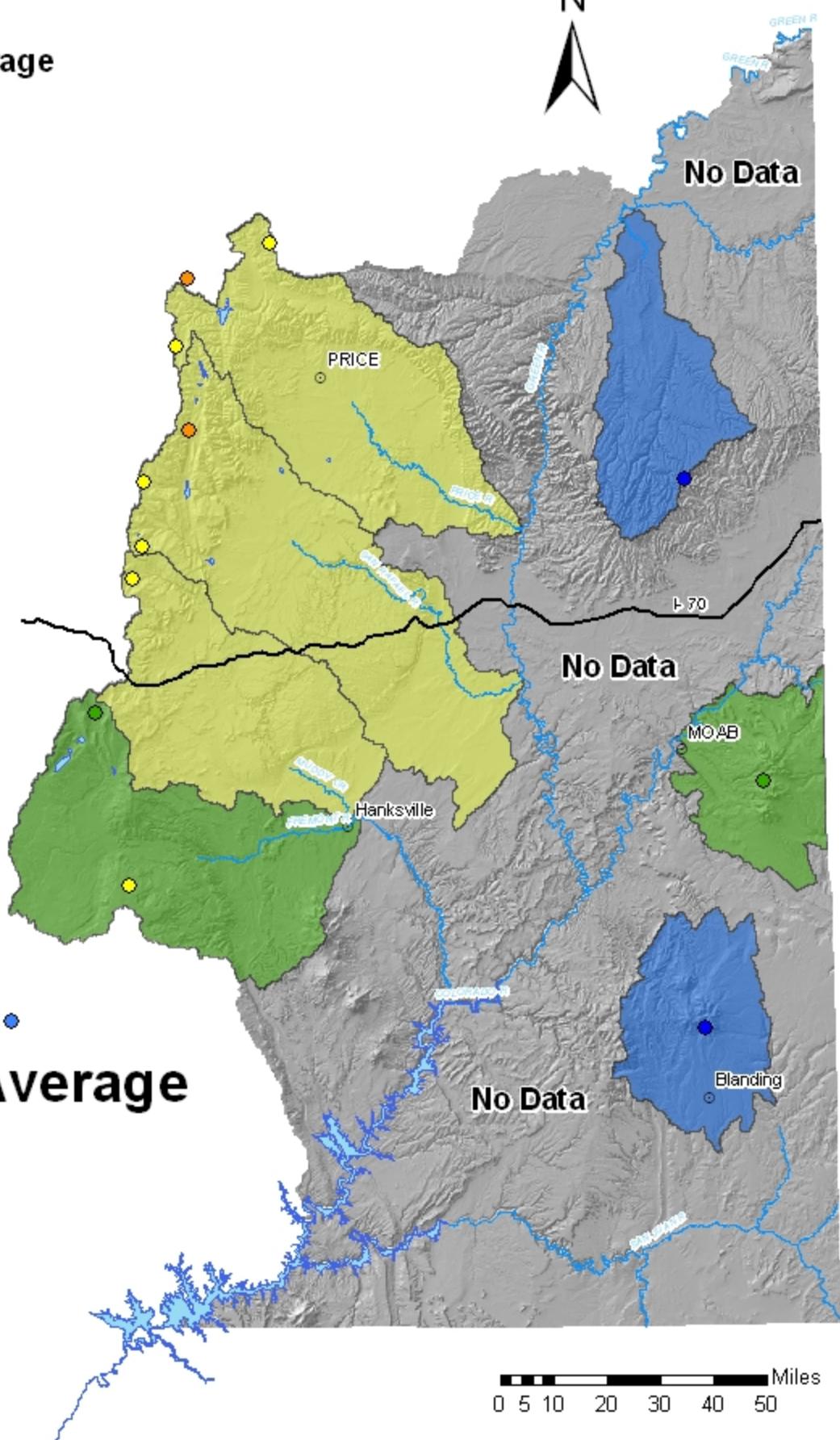
Watershed % of Average



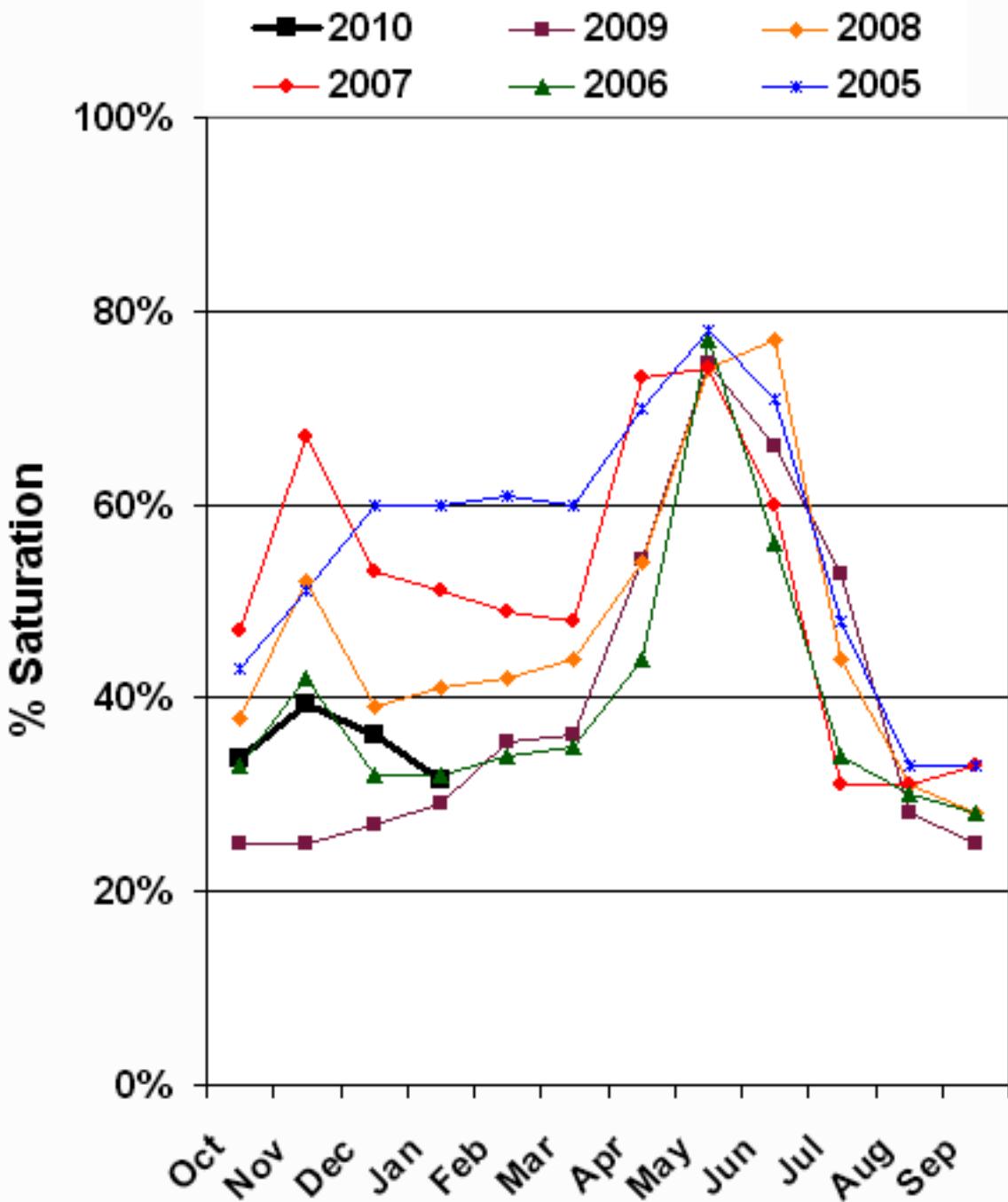
Snotel % of Average



Basinwide Average
92 %



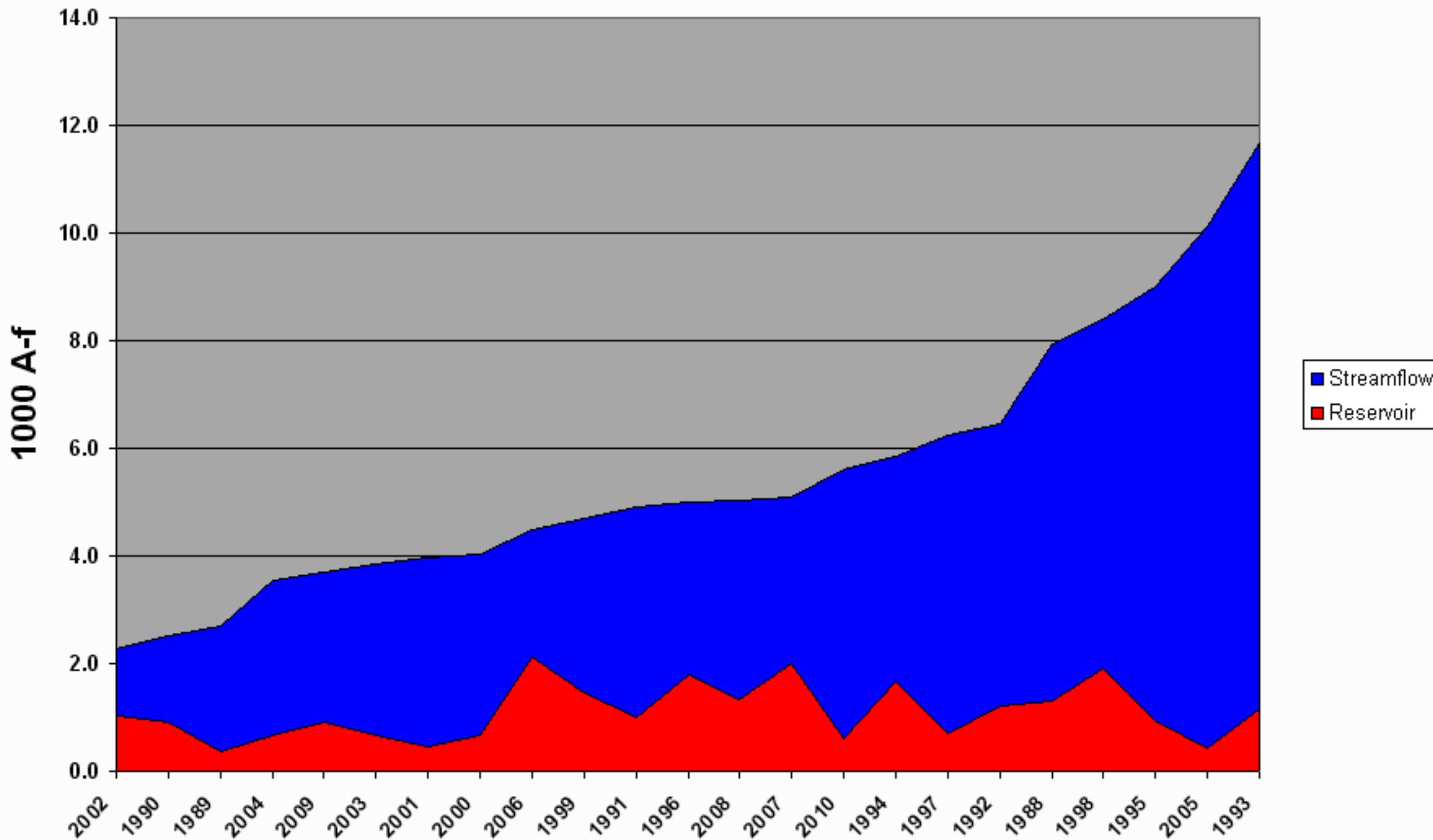
Southeast Utah Soil Moisture



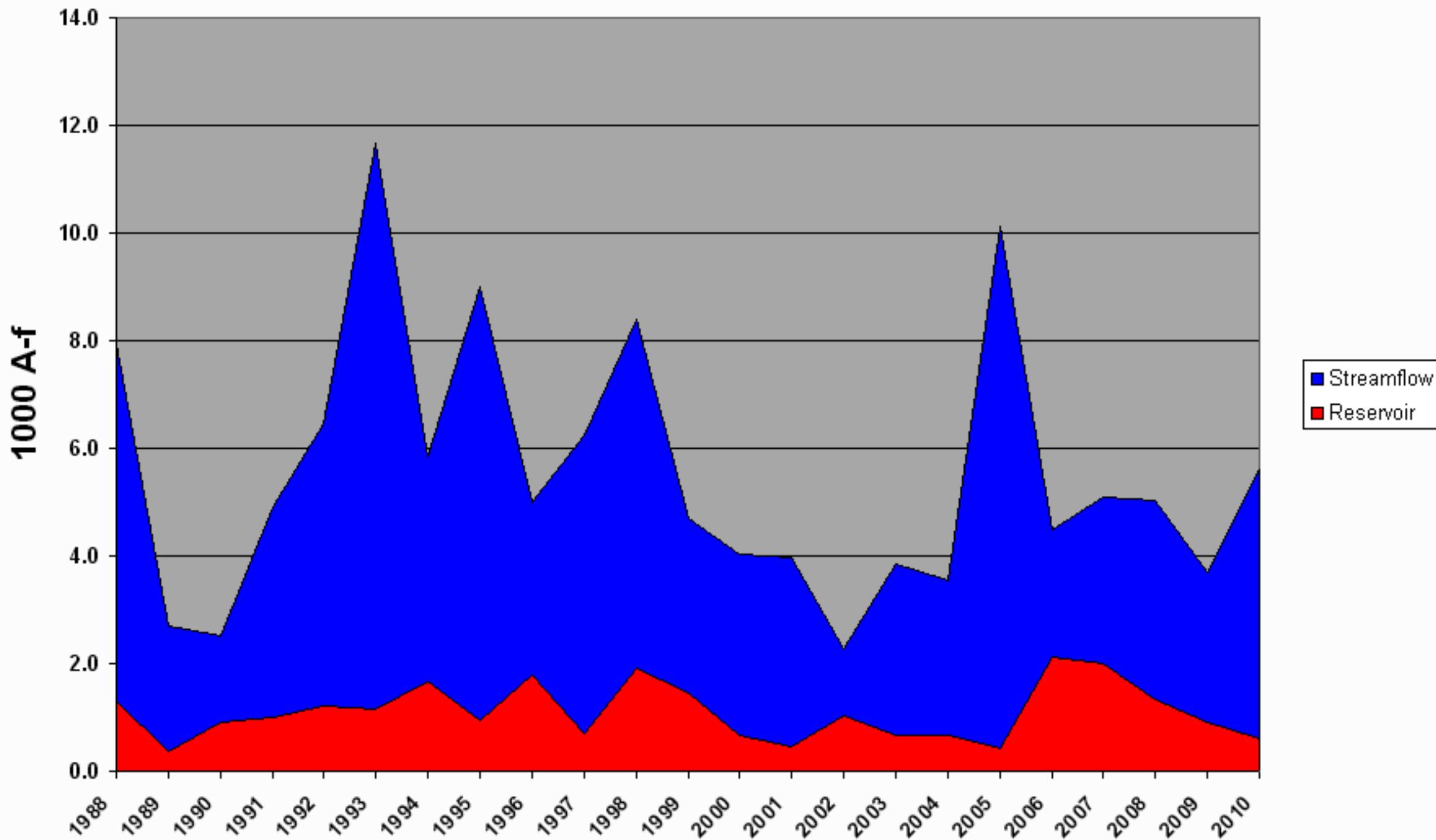
February

		EOM January Ken's Lake Reservoir Storage	April-July Forecast Streamflow - Mill Creek @ Sheley	Reservoir + Streamflow		
#	Year	1000-AF	1000-AF	1000-AF	Probability	SWSI
1	2002	1.0	1.2	2.3	4	-3.82
2	1990	0.9	1.6	2.5	8	-3.47
3	1989	0.4	2.3	2.7	13	-3.13
4	2004	0.7	2.9	3.5	17	-2.78
5	2009	0.9	2.8	3.7	21	-2.43
6	2003	0.7	3.2	3.9	25	-2.08
7	2001	0.5	3.5	4.0	29	-1.74
8	2000	0.7	3.4	4.0	33	-1.39
9	2006	2.1	2.4	4.5	38	-1.04
10	1999	1.4	3.3	4.7	42	-0.69
11	1991	1.0	3.9	4.9	46	-0.35
12	1996	1.8	3.2	5.0	50	0.00
13	2008	1.3	3.7	5.0	54	0.35
14	2007	2.0	3.1	5.1	58	0.69
15	2010	0.6	5.0	5.6	63	1.04
16	1994	1.7	4.2	5.9	67	1.39
17	1997	0.7	5.5	6.2	71	1.74
18	1992	1.2	5.2	6.4	75	2.08
19	1988	1.3	6.6	8.0	79	2.43
20	1998	1.9	6.5	8.4	83	2.78
21	1995	0.9	8.1	9.0	88	3.13
22	2005	0.4	9.7	10.1	92	3.47
23	1993	1.1	10.5	11.7	96	3.82

Moab SWSI

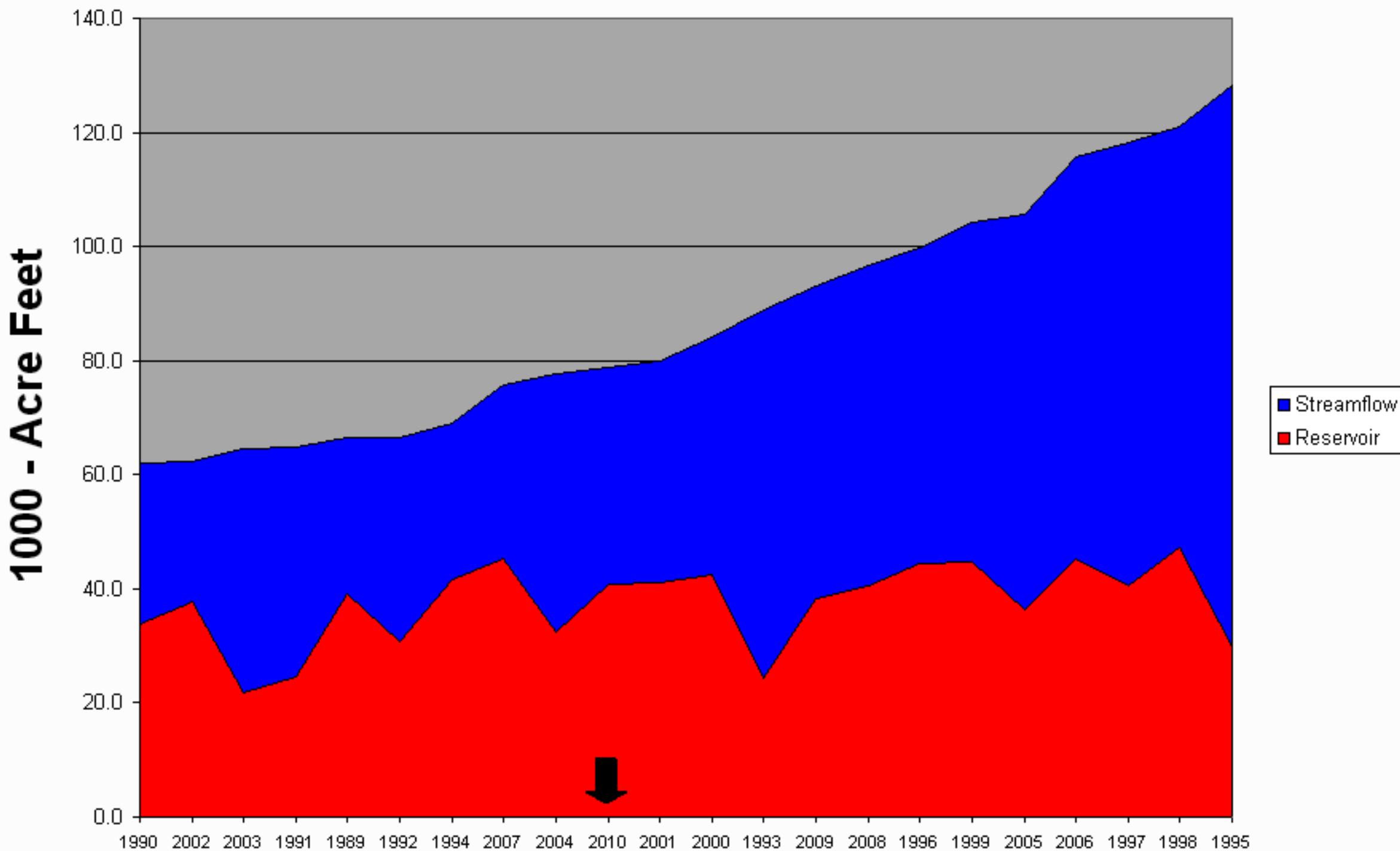


Moab SWSI

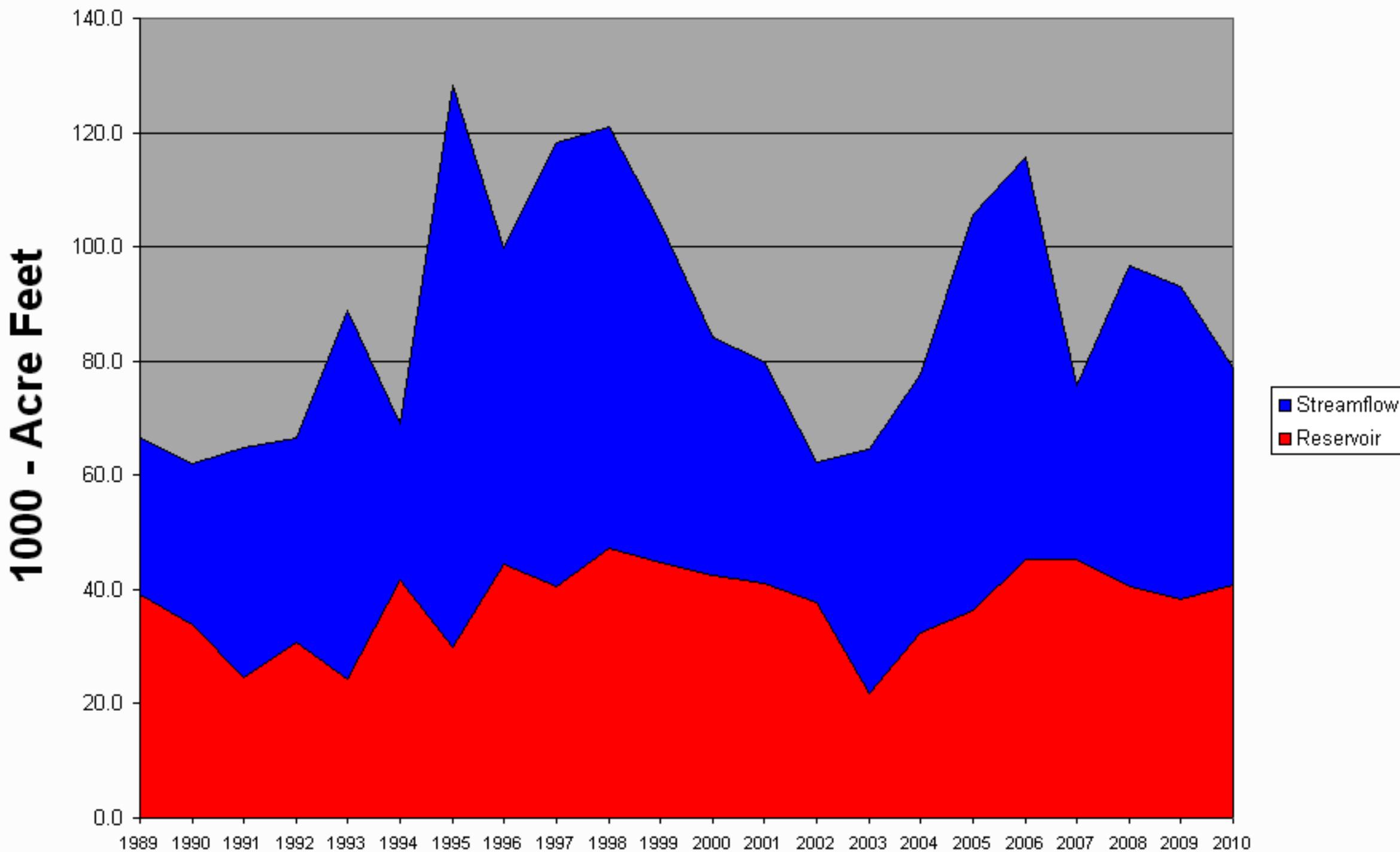


		Joe's	Valley	SWSI		
		February				
		EOM January	April-July Forecast			
		Joe's Valley Storage	Streamflow - Joe's Valley Inflow	Reservoir + Streamflow		
#	Year	1000-AF	1000-AF	1000-AF	Probability	SWSI
1	1990	33.8	28.2	62.0	4	-3.80
2	2002	37.7	24.6	62.3	9	-3.44
3	2003	21.9	42.8	64.7	13	-3.08
4	1991	24.5	40.2	64.7	17	-2.72
5	1989	39.2	27.2	66.4	22	-2.36
6	1992	30.8	35.6	66.4	26	-1.99
7	1994	41.5	27.6	69.1	30	-1.63
8	2007	45.2	30.4	75.6	35	-1.27
9	2004	32.4	45.1	77.6	39	-0.91
10	2010	40.7	38.0	78.7	43	-0.54
11	2001	41.1	38.7	79.8	48	-0.18
12	2000	42.5	41.5	84.0	52	0.18
13	1993	24.3	64.5	88.8	57	0.54
14	2009	38.2	54.9	93.1	61	0.91
15	2008	40.5	56.1	96.6	65	1.27
16	1996	44.4	55.4	99.9	70	1.63
17	1999	44.7	59.6	104.3	74	1.99
18	2005	36.3	69.3	105.6	78	2.36
19	2006	45.3	70.5	115.7	83	2.72
20	1997	40.5	77.7	118.2	87	3.08
21	1998	47.3	73.8	121.1	91	3.44
22	1995	30.0	98.3	128.3	96	3.80

Joe's Valley SWSI

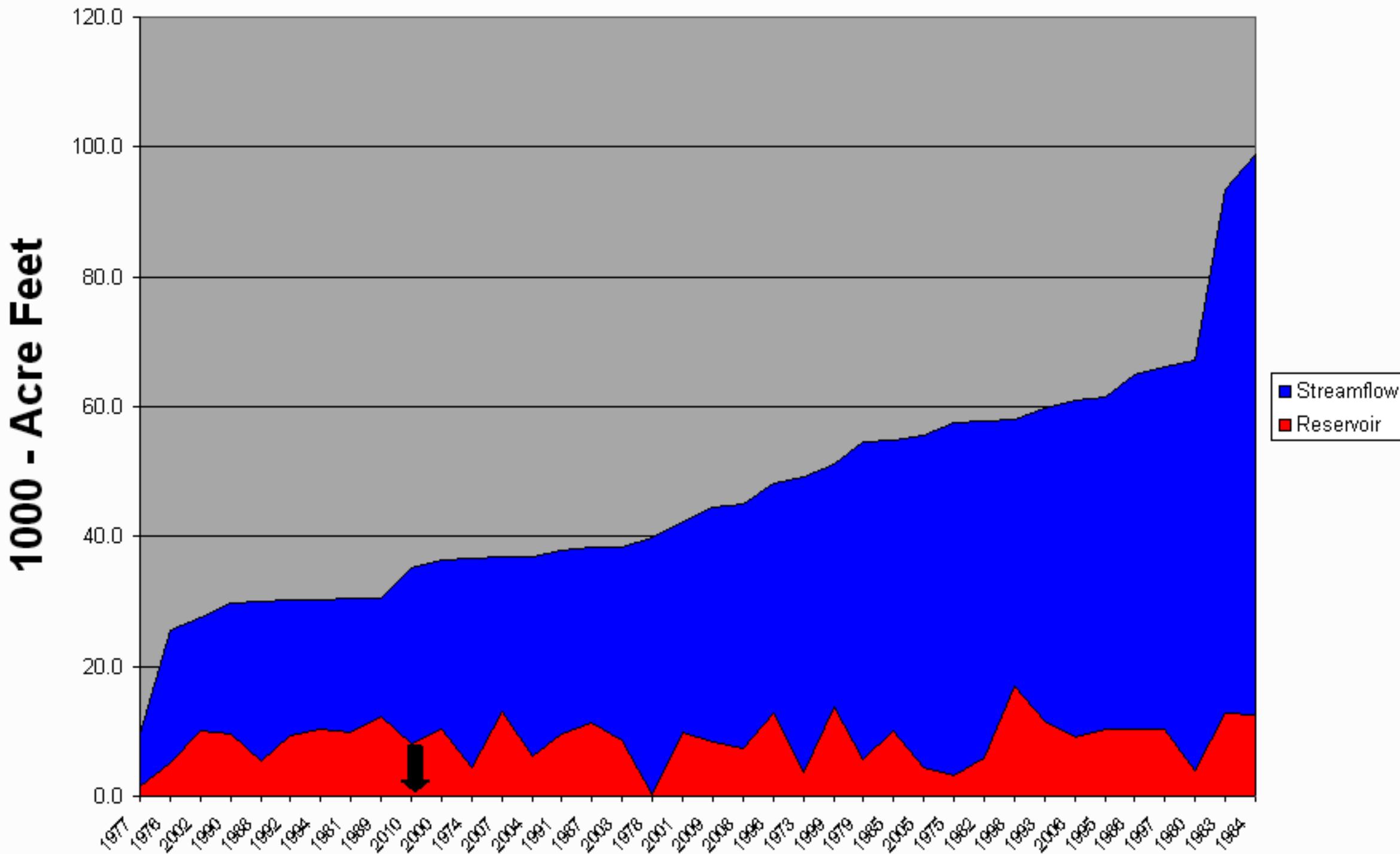


Joe's Valley SWSI

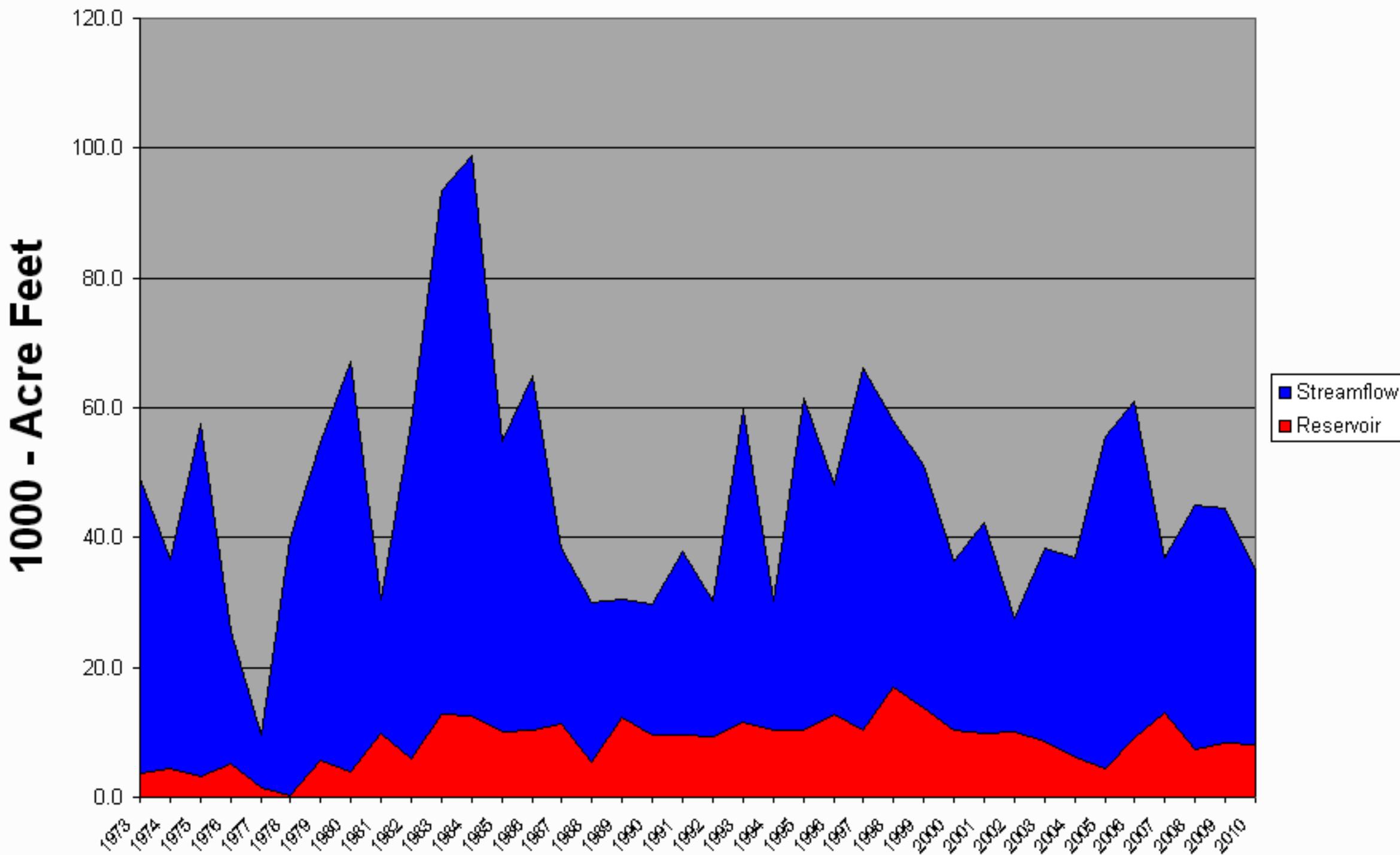


#	Year	EOM January Millsite Reservoir Storage	April-July Forecast Streamflow - Ferron Creek Upper	Reservoir + Streamflow 1000AF	Probability	SWSI
1	1977	1.5	8.0	9.5	3	-3.95
2	1976	5.2	20.4	25.6	5	-3.74
3	2002	10.1	17.4	27.5	8	-3.53
4	1990	9.7	19.9	29.6	10	-3.31
5	1988	5.3	24.7	30.0	13	-3.10
6	1992	9.3	20.9	30.2	15	-2.88
7	1994	10.4	19.9	30.3	18	-2.67
8	1981	9.8	20.6	30.4	21	-2.46
9	1989	12.2	18.3	30.5	23	-2.24
10	2010	8.1	27	35.1	26	-2.03
11	2000	10.3	26.1	36.4	28	-1.82
12	1974	4.5	32.1	36.6	31	-1.60
13	2007	13.1	23.7	36.8	33	-1.39
14	2004	6.2	30.6	36.8	36	-1.18
15	1991	9.7	28.3	38.0	38	-0.96
16	1987	11.3	27.1	38.4	41	-0.75
17	2003	8.7	29.7	38.4	44	-0.53
18	1978	0.3	39.5	39.8	46	-0.32
19	2001	9.8	32.5	42.3	49	-0.11
20	2009	8.3	36.1	44.4	51	0.11
21	2008	7.3	37.7	45.0	54	0.32
22	1996	12.7	35.6	48.3	56	0.53
23	1973	3.7	45.6	49.3	59	0.75
24	1999	13.8	37.3	51.1	62	0.96
25	1979	5.6	49.1	54.7	64	1.18
26	1985	10.1	44.7	54.8	67	1.39
27	2005	4.5	51.1	55.6	69	1.60
28	1975	3.1	54.5	57.6	72	1.82
29	1982	5.9	52.0	57.9	74	2.03
30	1998	16.9	41.2	58.1	77	2.24
31	1993	11.6	48.3	59.9	79	2.46
32	2006	9.2	51.9	61.1	82	2.67
33	1995	10.3	51.2	61.5	85	2.88
34	1986	10.3	54.5	64.8	87	3.10
35	1997	10.3	55.9	66.2	90	3.31
36	1980	4.0	63.2	67.2	92	3.53
37	1983	12.8	80.7	93.5	95	3.74
38	1984	12.5	86.3	98.8	97	3.95

Ferron Creek SWSI

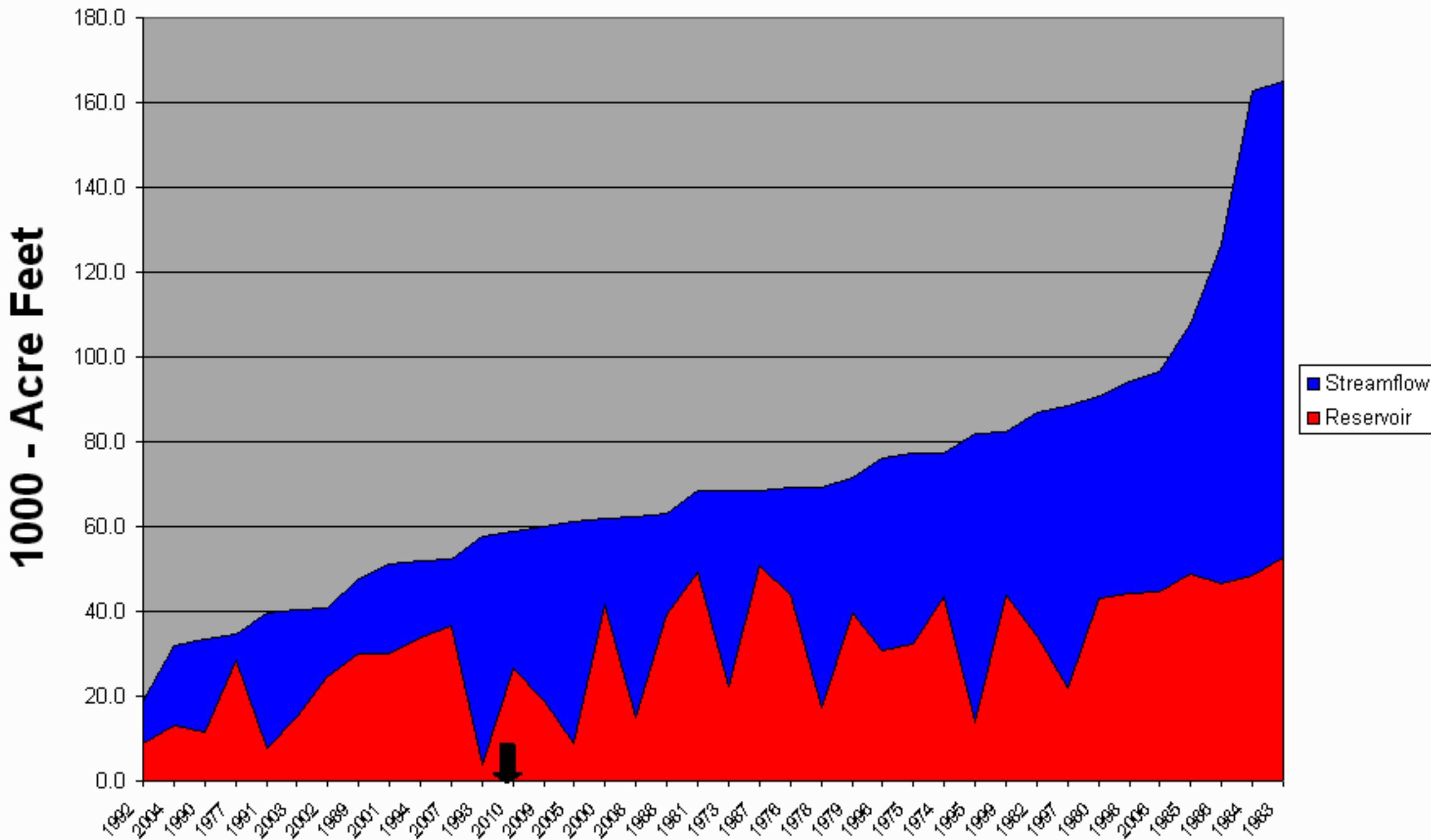


Ferron Creek SWSI

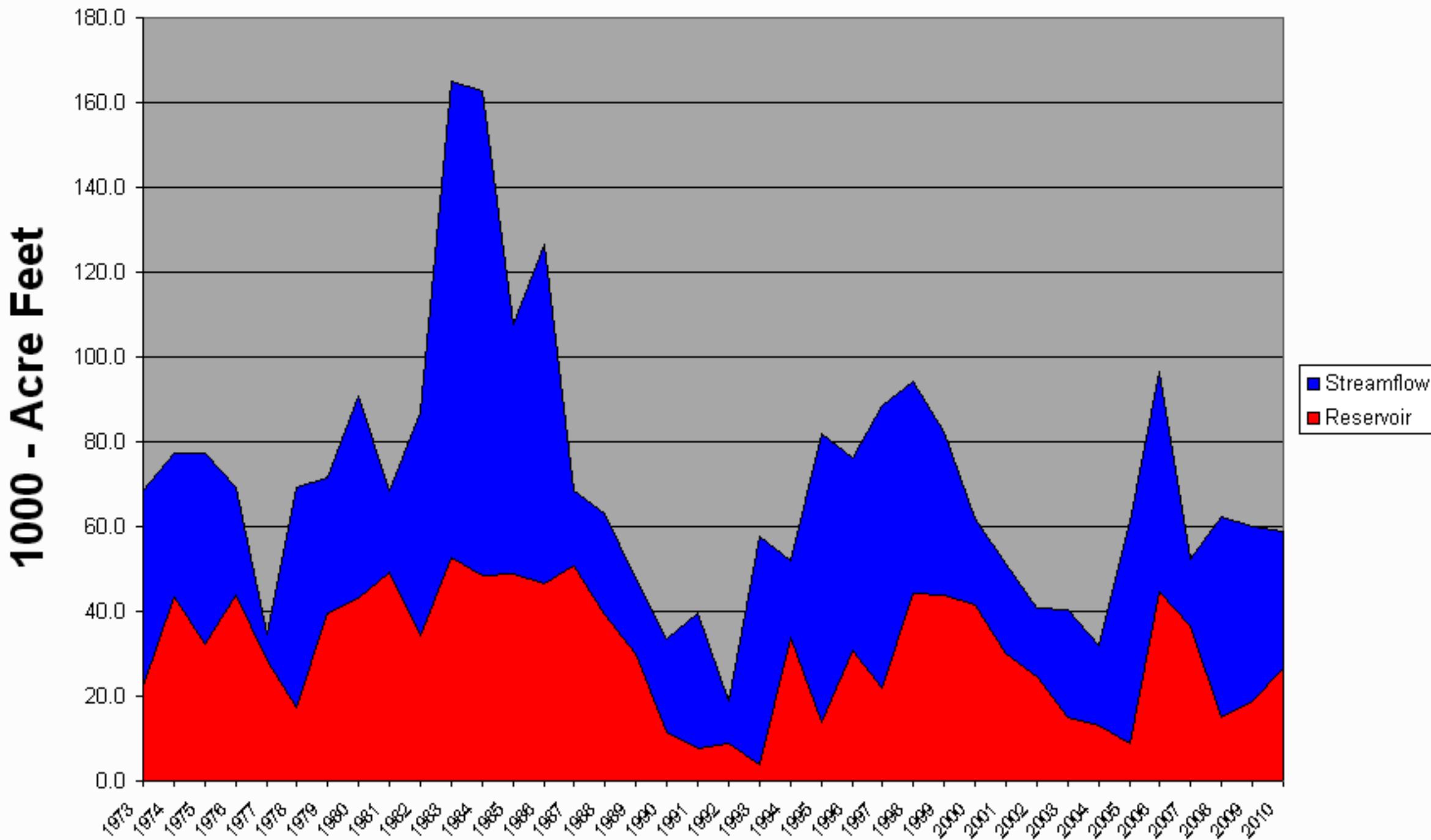


#	Year	1000-AF	1000-AF	1000-AF	Probability	SWI
1	1992	9.0	9.8	18.8	3	-3.95
2	2004	13.3	18.6	31.8	5	-3.74
3	1990	11.7	21.8	33.5	8	-3.53
4	1977	28.5	6.2	34.7	10	-3.31
5	1991	7.7	31.8	39.5	13	-3.10
6	2003	15.1	25.3	40.4	15	-2.88
7	2002	24.5	16.4	40.9	18	-2.67
8	1989	30.0	17.8	47.8	21	-2.46
9	2001	30.1	21.1	51.2	23	-2.24
10	1994	33.8	18.3	52.1	26	-2.03
11	2007	36.5	15.7	52.2	28	-1.82
12	1993	3.7	53.9	57.6	31	-1.60
13	2010	26.7	32	58.7	33	-1.39
14	2009	18.9	41.0	59.9	36	-1.18
15	2005	8.9	52.1	61.0	38	-0.96
16	2000	41.5	20.5	62.0	41	-0.75
17	2008	14.9	47.5	62.4	44	-0.53
18	1988	39.4	23.7	63.1	46	-0.32
19	1981	49.3	19.0	68.3	49	-0.11
20	1973	22.3	46.0	68.3	51	0.11
21	1987	50.7	17.8	68.5	54	0.32
22	1976	43.7	25.5	69.2	56	0.53
23	1978	17.3	52.0	69.4	59	0.75
24	1979	39.8	31.9	71.6	62	0.96
25	1996	30.7	45.5	76.1	64	1.18
26	1975	32.2	44.9	77.2	67	1.39
27	1974	43.5	33.7	77.2	69	1.60
28	1995	13.7	68.3	82.0	72	1.82
29	1999	43.8	38.5	82.3	74	2.03
30	1982	34.3	52.6	86.9	77	2.24
31	1997	21.8	66.6	88.4	79	2.46
32	1980	43.2	47.7	90.9	82	2.67
33	1998	44.2	50.2	94.4	85	2.88
34	2006	44.7	51.8	96.5	87	3.10
35	1985	48.9	58.7	107.6	90	3.31
36	1986	46.6	79.8	126.4	92	3.53
37	1984	48.4	114.2	162.6	95	3.74
38	1983	52.6	112.4	165.0	97	3.95

Price River SWSI



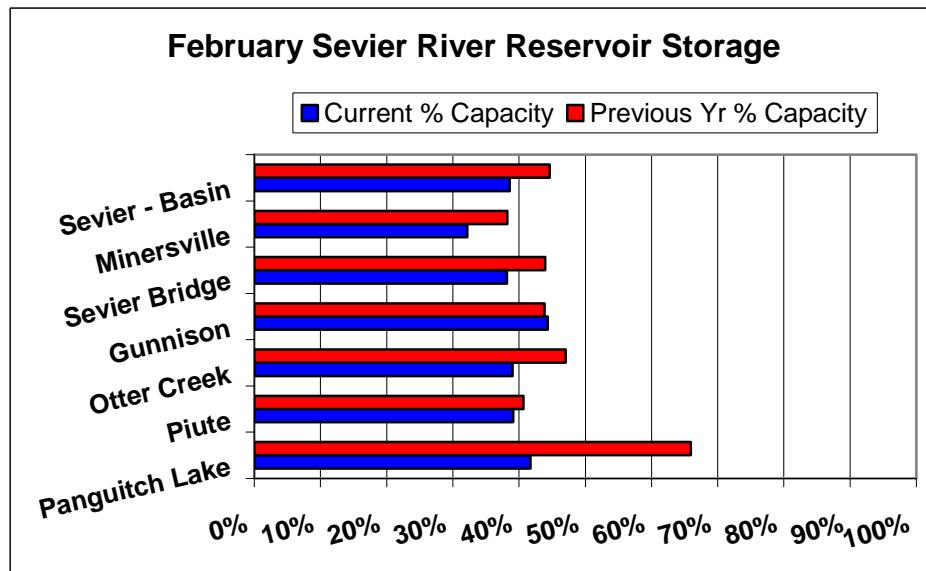
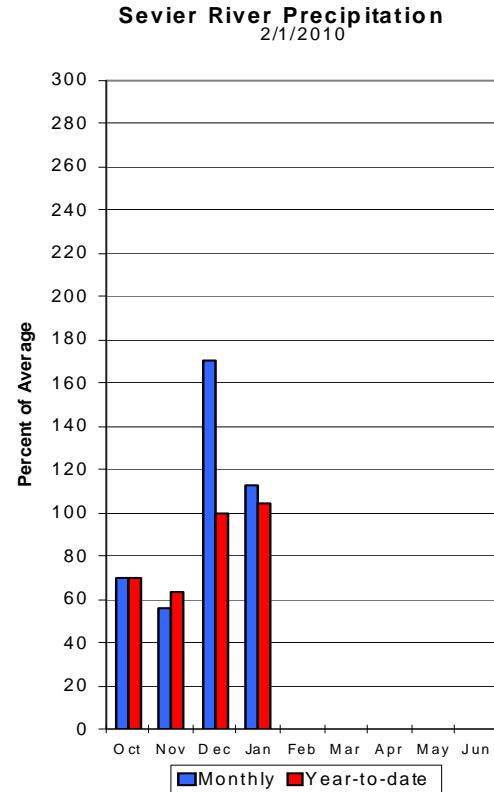
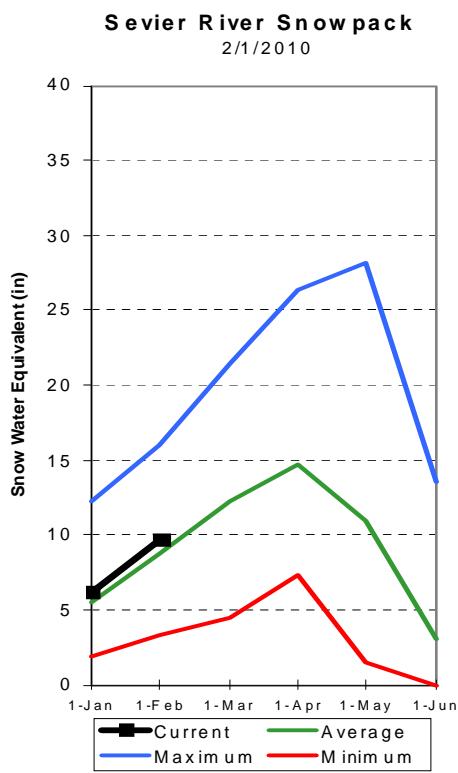
Price River SWSI



Sevier and Beaver River Basins

February 1, 2010

Snowpacks on the Sevier River Basin are slightly above normal at 111% of average, a 2% decline relative to last month and 108% of last year. Individual sites range from 67% at Pickle Keg to 241% of average at Long Valley Jct. Precipitation during January was above average at 113% of normal, bringing the seasonal accumulation (Oct-Jan) to 104% of average. Soil moisture estimates in runoff producing areas are at 29% of saturation in the upper 2 feet of soil compared to 43% last year. Streamflow forecasts range from 71% to 118% of average. Reservoir storage is at 39% of capacity, 6% less than last year. Surface Water Supply Indices are: Upper Sevier 30%, Lower Sevier 42% and Beaver 44%. 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 February 1, 2010

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SEVIER & BEAVER RIVER BASINS
Streamflow Forecasts - February 1, 2010
=====

Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>				30-Yr Avg. (1000AF)		
		Chance Of Exceeding *		30% (1000AF) 10% (1000AF)				
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)			
Mammoth Ck nr Hatch, Ut	APR-JUL	8.2	18.5	28	109	31	41	26
Sevier R at Hatch, UT	APR-JUL	38	52	62	113	72	86	55
Sevier R nr Kingston, UT	APR-JUL	2.6	24	38	115	52	73	33
EF Sevier R nr Kingston, UT	APR-JUL	17.6	31	40	114	49	62	35
Sevier R blw Piute Dam	APR-JUL	24	56	78	118	100	132	66
Clear Ck abv Diversions nr Sevier	APR-JUL	5.9	13.1	18.0	82	23	30	22
Salina Creek Nr Emery	APR-JUL	0.44	4.20	6.70	74	9.20	13.00	9.00
Salina Ck at Salina	APR-JUL	1.9	8.2	15.0	76	24	34	19.7
Manti Ck Blw Dugway Ck Nr Manti	APR-JUL	7.8	11.3	14.0	77	17.0	22	18.3
Sevier R nr Gunnison, UT	APR-JUL	3.0	46	80	76	124	183	106
Chicken Creek nr Levan	APR-JUL	1.08	2.20	3.20	71	4.50	6.10	4.50
Oak Creek nr Oak City	APR-JUL	0.63	1.00	1.30	78	1.64	2.20	1.66
Beaver River nr Beaver	APR-JUL	14.1	23	29	107	35	44	27
Minersville Resv Inflow	APR-JUL	3.9	9.7	16.0	96	24	30	16.6

=====
SEVIER & BEAVER RIVER BASINS
Reservoir Storage (1000 AF) - End of January

=====
SEVIER & BEAVER RIVER BASINS
Watershed Snowpack Analysis - February 1, 2010

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Last Yr Average	
		This Year	Last Year	Avg			Last Yr	Average
GUNNISON	20.3	9.0	8.9	13.1	UPPER SEVIER RIVER	8	125	146
MINERSVILLE (RkyFd)	23.3	7.5	8.9	14.4	EAST FORK SEVIER RIVER	3	127	139
OTTER CREEK	52.5	20.5	24.7	36.5	SOUTH FORK SEVIER RIVER	5	123	149
PIUTE	71.8	28.1	29.2	49.5	LOWER SEVIER RIVER	6	87	77
SEVIER BRIDGE	236.0	90.0	103.7	159.6	BEAVER RIVER	2	96	108
PANGUITCH LAKE	22.3	9.3	14.7	131.4	SEVIER & BEAVER RIVER BAS	16	108	111

=====
* 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.

Sevier & Beaver Basins



Snotel % of Average

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

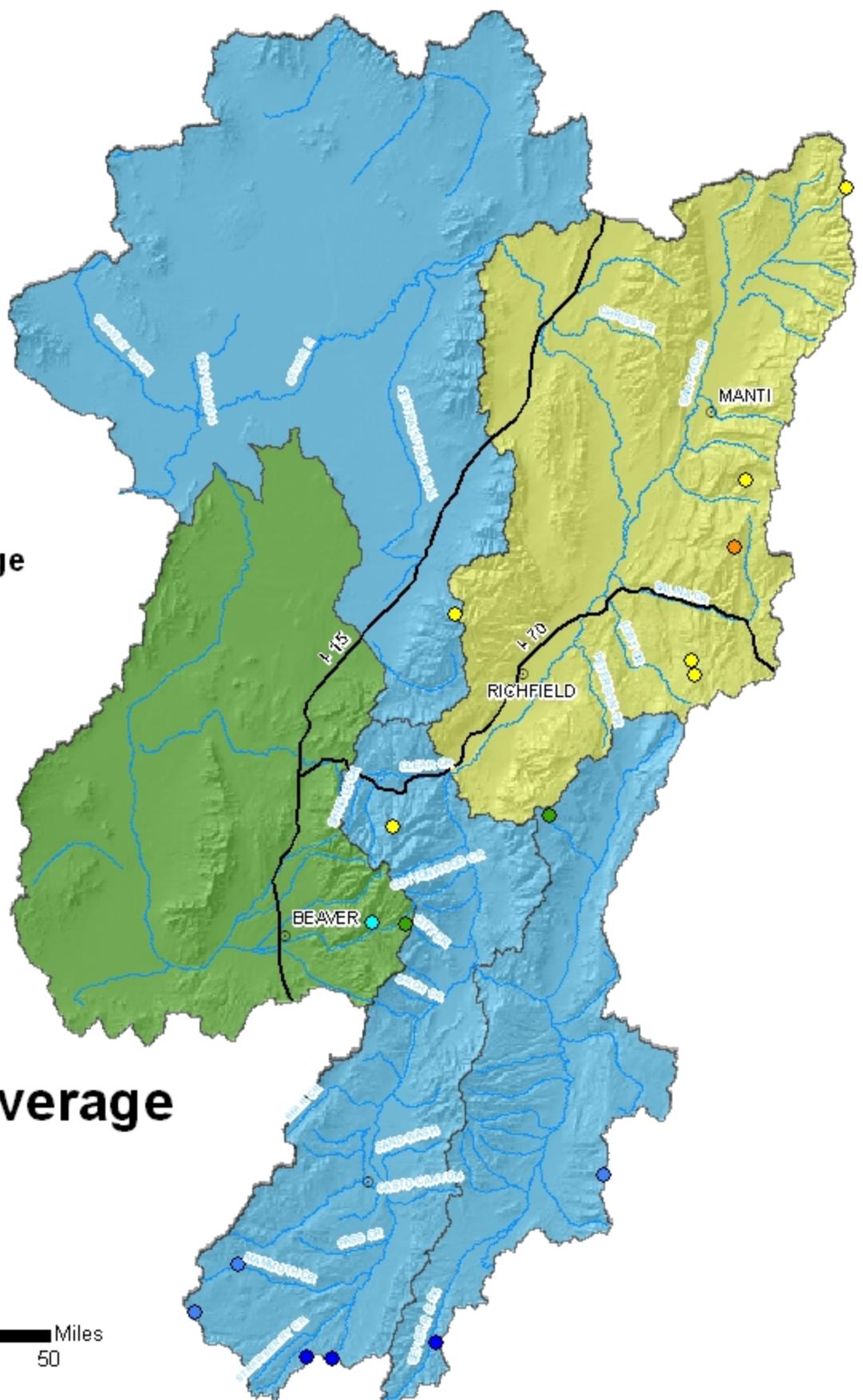
Watershed % of Average

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

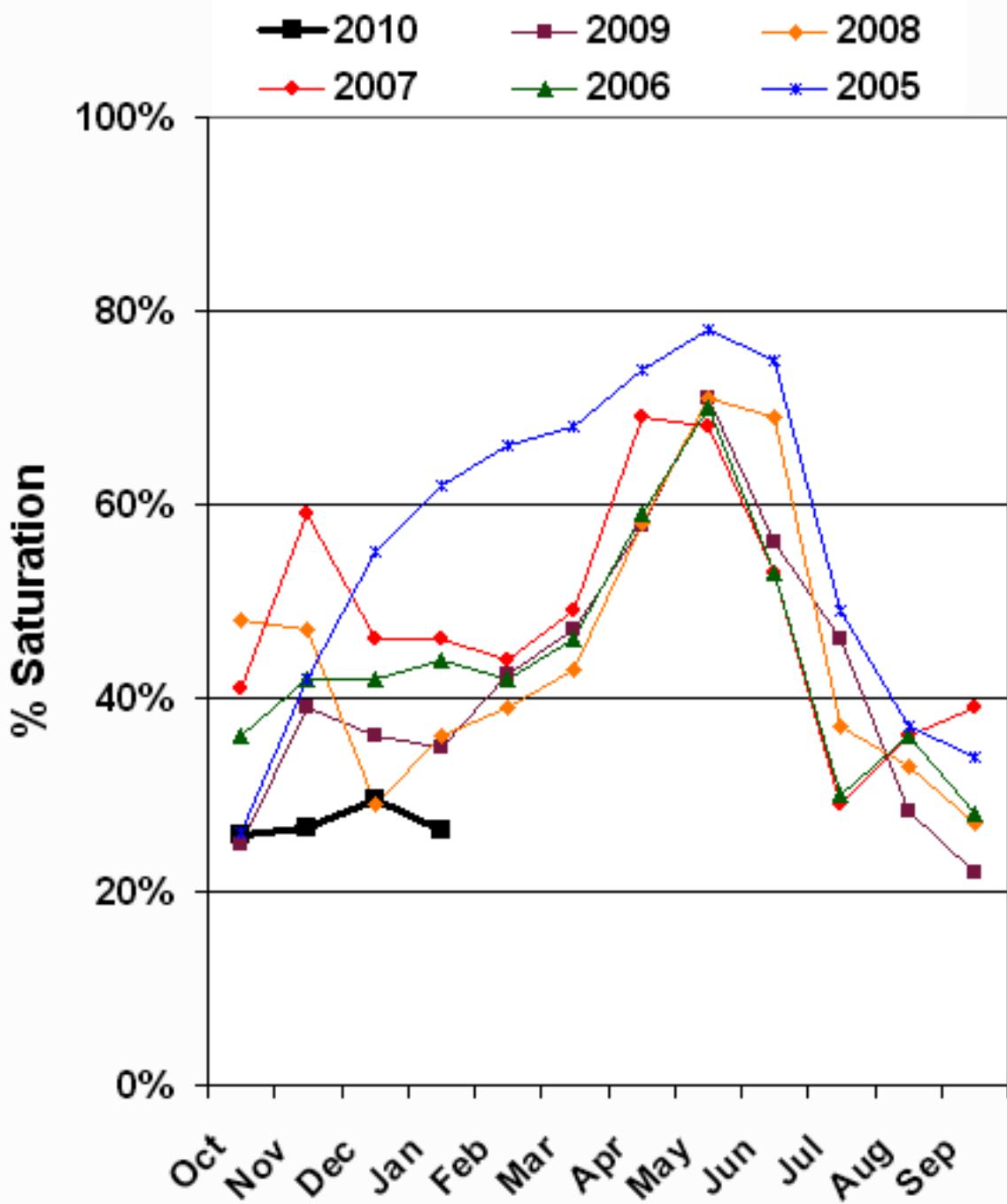
**Basinwide Average
111%**



*Provisional Data
Subject to Revision*



Sevier/Beaver River Soil Moisture



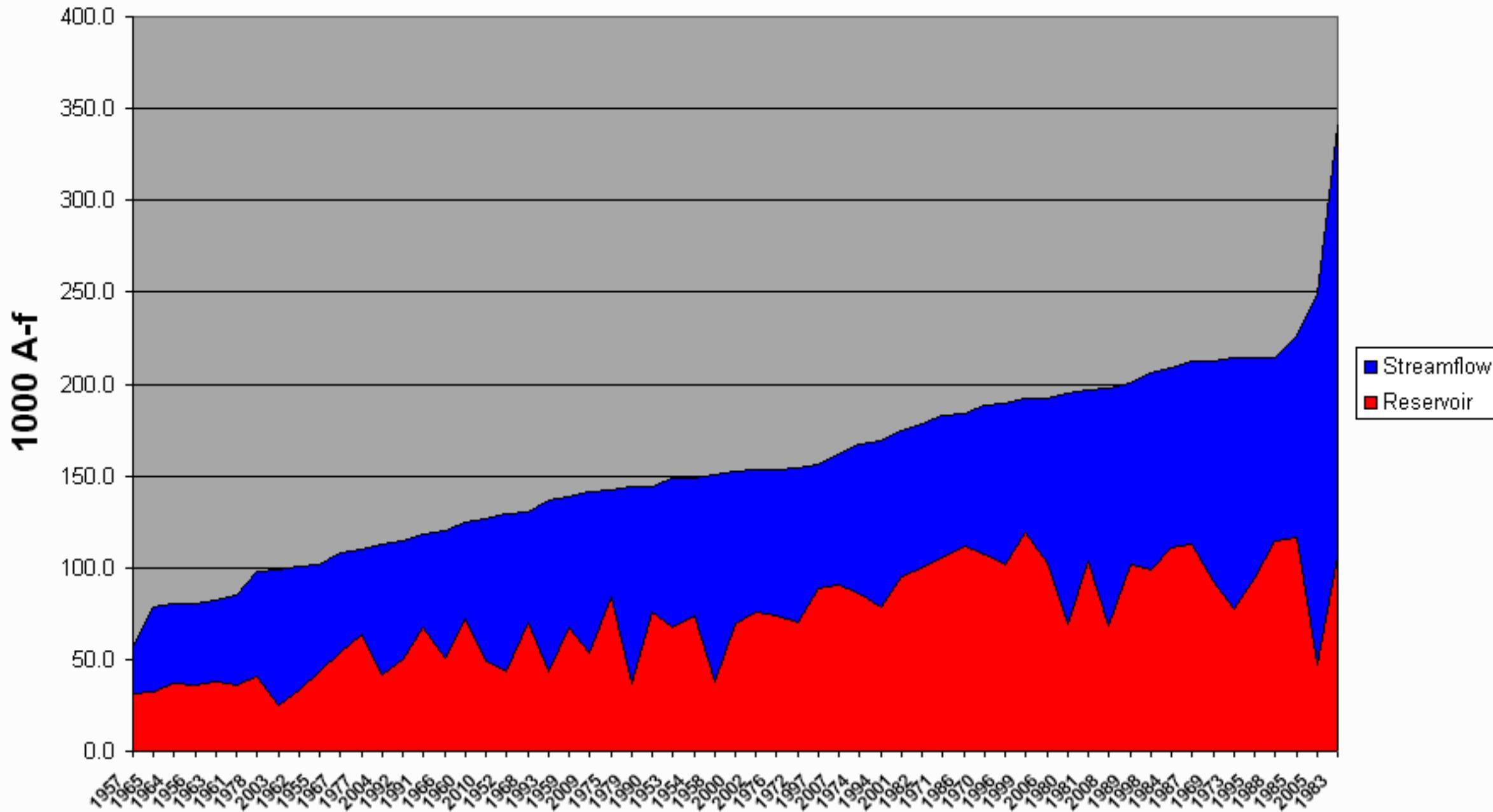
Upper Sevier River SWSI
February

#	Year	EOM		April-July Forecast	Streamflow -	Probability	SWSI
		January Piute+Otter Creek Reservoir Storage	1000-AF		Sevier inflow		
1	1957	31.2	25.8	57.0	2	-4.03	
2	1965	32.0	46.9	78.9	3	-3.89	
3	1964	37.1	42.9	80.0	5	-3.75	
4	1956	36.1	44.5	80.6	7	-3.61	
5	1963	37.6	44.5	82.1	8	-3.47	
6	1961	35.8	49.1	84.9	10	-3.33	
7	1978	41.1	56.9	98.0	12	-3.19	
8	2003	24.9	73.9	98.8	13	-3.06	
9	1962	32.8	68.0	100.8	15	-2.92	
10	1955	43.1	58.5	101.6	17	-2.78	
11	1967	53.3	55.2	108.5	18	-2.64	
12	1977	63.3	47.0	110.3	20	-2.50	
13	2004	41.5	70.8	112.3	22	-2.36	
14	1992	49.9	64.9	114.7	23	-2.22	
15	1991	67.5	51.0	118.5	25	-2.08	
16	1966	51.2	68.4	119.6	27	-1.94	
17	1960	72.1	52.5	124.6	28	-1.81	
18	2010	48.6	78	126.6	30	-1.67	
19	1952	43.8	85.2	129.0	32	-1.53	
20	1968	70.5	59.9	130.4	33	-1.39	
21	1993	43.5	93.6	137.1	35	-1.25	
22	1959	67.6	70.8	138.4	37	-1.11	
23	2009	53.9	87	140.9	38	-0.97	
24	1975	83.7	58.5	142.2	40	-0.83	
25	1979	37.2	106.9	144.1	42	-0.69	
26	1990	76.2	68.3	144.5	43	-0.56	
27	1953	67.5	81.2	148.7	45	-0.42	
28	1954	74.0	74.8	148.8	47	-0.28	
29	1958	37.9	112.3	150.2	48	-0.14	
30	2000	69.5	82.5	152.0	50	0.00	
31	2002	75.8	77.2	153.0	52	0.14	
32	1976	73.8	79.6	153.4	53	0.28	
33	1972	70.6	83.5	154.1	55	0.42	
34	1997	89.0	67.4	156.3	57	0.56	
35	2007	90.8	71.3	162.1	58	0.69	
36	1974	85.9	81.1	167.0	60	0.83	
37	1994	79.0	89.9	168.9	62	0.97	
38	2001	94.9	79.5	174.4	63	1.11	
39	1982	99.6	78.4	178.0	65	1.25	
40	1971	105.5	77.3	182.8	67	1.39	

41	1986	112.1	71.5	183.6	68	1.53
42	1970	107.2	81.2	188.4	70	1.67
43	1996	101.2	88.4	189.6	72	1.81
44	1999	119.2	72.5	191.7	73	1.94
45	2006	102.7	89.7	192.4	75	2.08
46	1980	69.3	125.8	195.1	77	2.22
47	1981	103.4	93.0	196.4	78	2.36
48	2008	67.9	130	197.9	80	2.50
49	1989	101.6	98.7	200.3	82	2.64
50	1998	99.1	106.8	205.9	83	2.78
51	1984	110.5	98.2	208.7	85	2.92
52	1987	112.9	99.1	212.0	87	3.06
53	1969	92.8	119.9	212.7	88	3.19
54	1973	77.7	136.4	214.1	90	3.33
55	1995	94.5	120.0	214.5	92	3.47
56	1988	114.2	100.4	214.6	93	3.61
57	1985	116.5	110.2	226.7	95	3.75
58	2005	47.3	200.8	248.1	97	3.89
59	1983	105.9	234.9	340.8	98	4.03

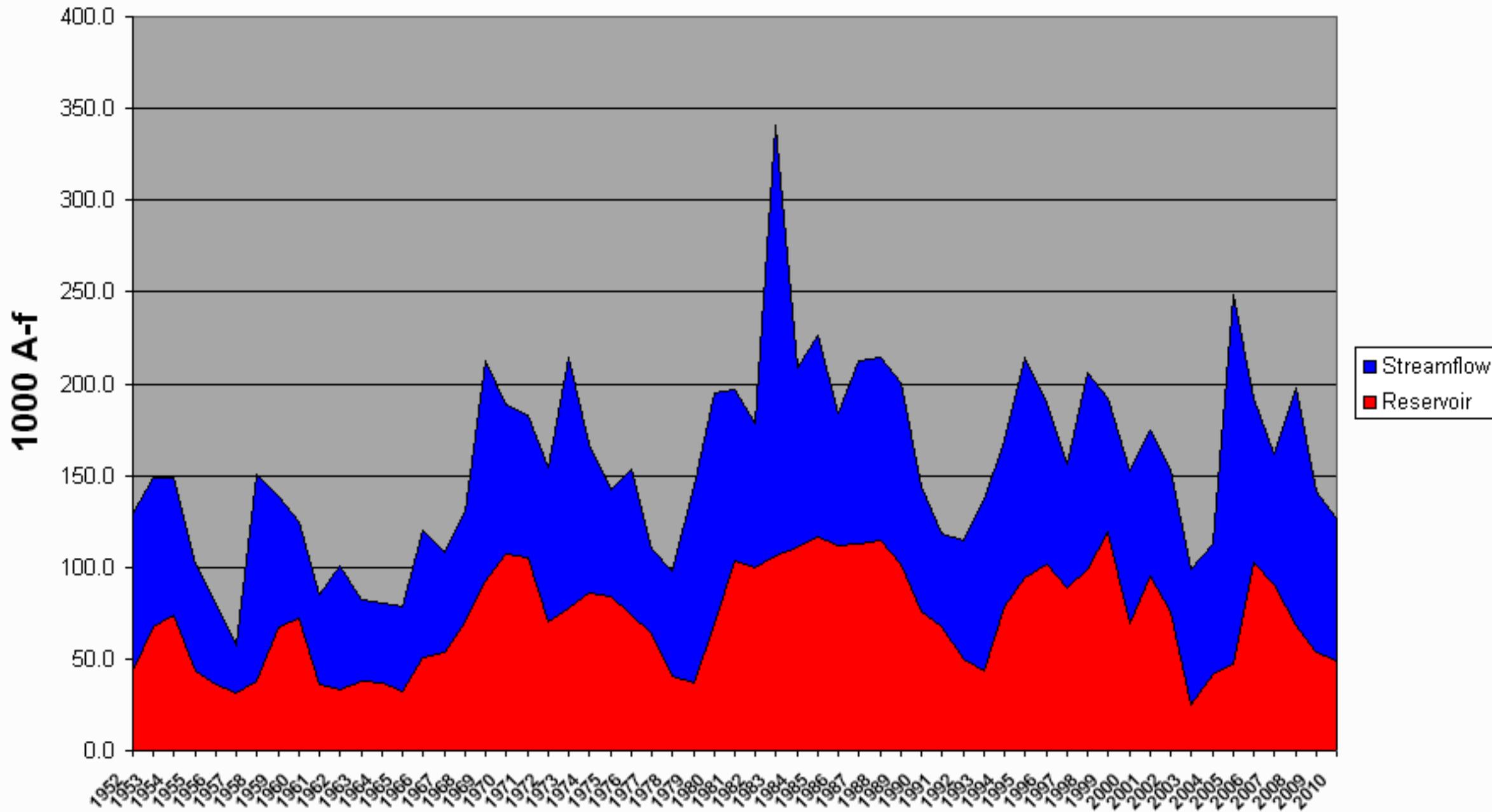
Upper Sevier River Surface Water Supply Index

February



Upper Sevier River Surface Water Supply Index

February



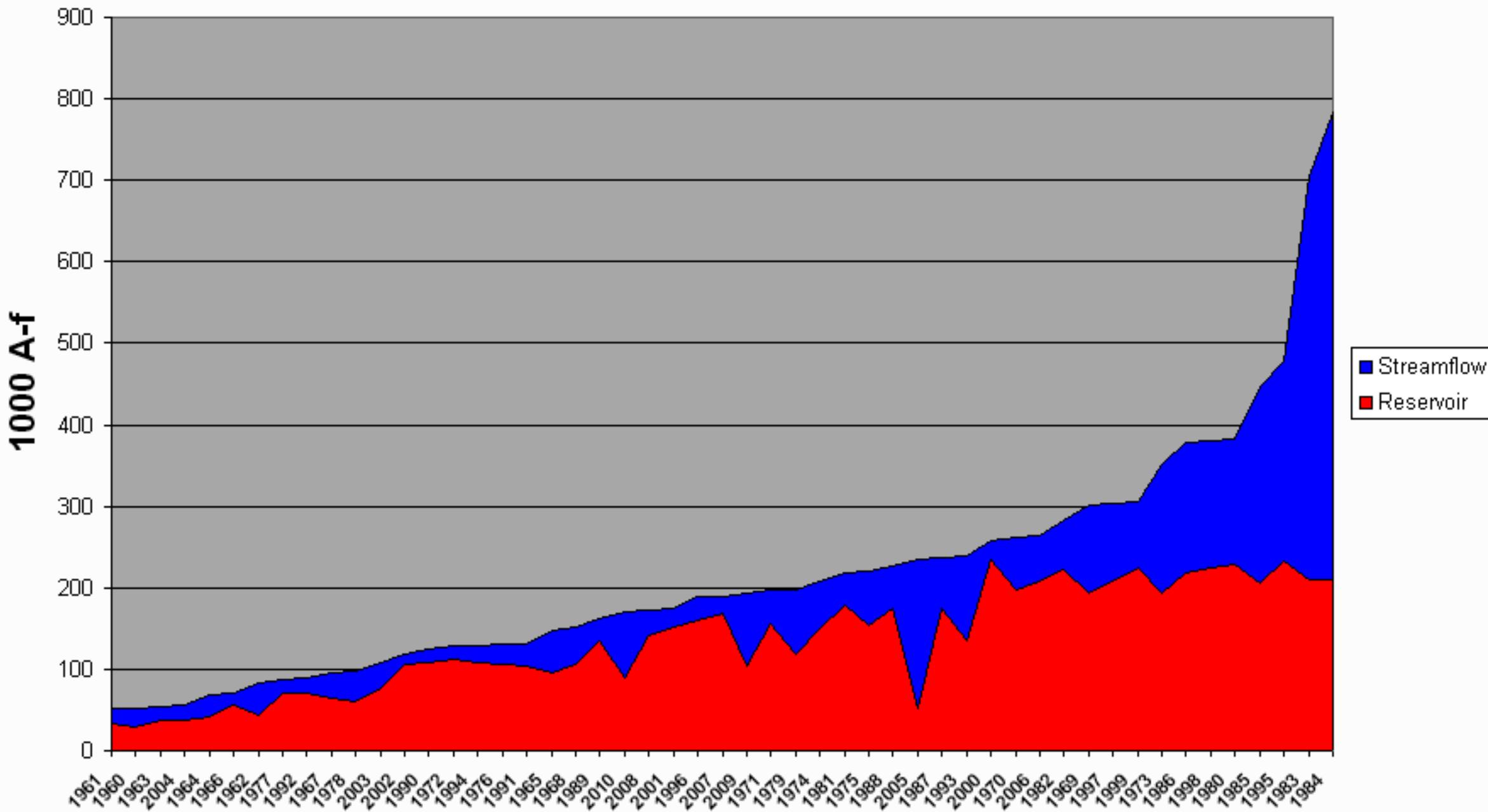
Lower Sevier River SWSI
February

#	Year	EOM		Reservoir + Streamflow -	Probability	SWSI
		January	April-July			
		Sevier	Forecast			
Reservoir	Storage	Sevier at Gunnison	1000-AF	Reservoir + Streamflow		
	1000-AF	1000-AF	1000-AF			
1	1961	32.9	18.3	51.2	2	-4.01
2	1960	28.6	22.7	51.3	4	-3.85
3	1963	36.6	18.4	55.0	6	-3.69
4	2004	37.2	19.5	56.7	8	-3.53
5	1964	41.3	27.6	68.9	10	-3.37
6	1966	55.4	14.8	70.2	12	-3.21
7	1962	44.1	38.9	83.0	13	-3.04
8	1977	71.2	15.8	87.0	15	-2.88
9	1992	71.02	19.2	90.2	17	-2.72
10	1967	65.3	30.1	95.4	19	-2.56
11	1978	59.4	37.7	97.1	21	-2.40
12	2003	76.3	30.9	107.2	23	-2.24
13	2002	106.2	12.6	118.8	25	-2.08
14	1990	107.6	17.2	124.8	27	-1.92
15	1972	111.3	16.8	128.1	29	-1.76
16	1994	108.4	21.3	129.7	31	-1.60
17	1976	106	24.3	130.3	33	-1.44
18	1991	103.4	27.8	131.2	35	-1.28
19	1965	95	53.4	148.4	37	-1.12
20	1968	105	46.8	151.8	38	-0.96
21	1989	135.9	25.4	161.3	40	-0.80
22	2010	90	80	170.0	42	-0.64
23	2008	141	31.6	172.6	44	-0.48
24	2001	150.7	23.6	174.3	46	-0.32
25	1996	160.7	28.1	188.8	48	-0.16
26	2007	167.7	22.29	190.0	50	0.00
27	2009	103.7	90	193.7	52	0.16
28	1971	156.7	39.9	196.6	54	0.32
29	1979	117.7	79.7	197.4	56	0.48
30	1974	149.9	58.3	208.2	58	0.64
31	1981	178.7	40.6	219.3	60	0.80
32	1975	154.4	66.4	220.8	62	0.96
33	1988	174.4	52.7	227.1	63	1.12
34	2005	51.1	184.6	235.7	65	1.28
35	1987	175.3	60.9	236.2	67	1.44
36	1993	135.6	104.1	239.7	69	1.60
37	2000	234.1	23.6	257.7	71	1.76
38	1970	196.6	64.8	261.4	73	1.92
39	2006	208.1	56.8	264.9	75	2.08
40	1982	222.3	60.4	282.7	77	2.24

41	1969	192.9	108.3	301.2	79	2.40
42	1997	208.3	95.4	303.7	81	2.56
43	1999	224.8	81.1	305.9	83	2.72
44	1973	193.8	156.8	350.6	85	2.88
45	1986	218.2	160.5	378.7	87	3.04
46	1998	224.9	155.0	380.0	88	3.21
47	1980	227.6	154.7	382.3	90	3.37
48	1985	205.2	242.4	447.6	92	3.53
49	1995	233.6	245.2	478.9	94	3.69
50	1983	210.1	494.5	704.6	96	3.85
51	1984	210.1	572.7	782.8	98	4.01

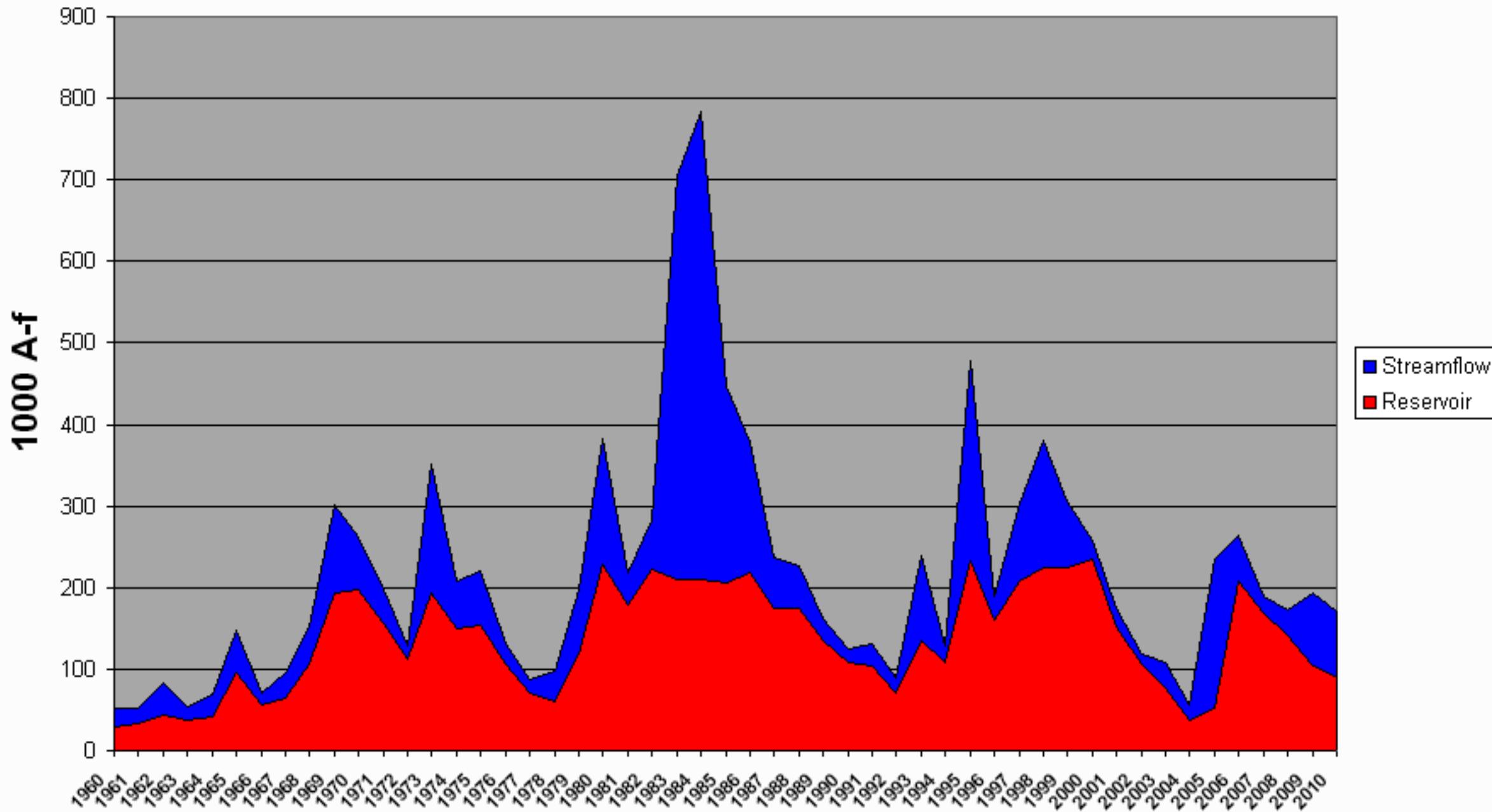
Lower Sevier River Surface Water Supply Index

February



Lower Sevier River Surface Water Supply Index

February



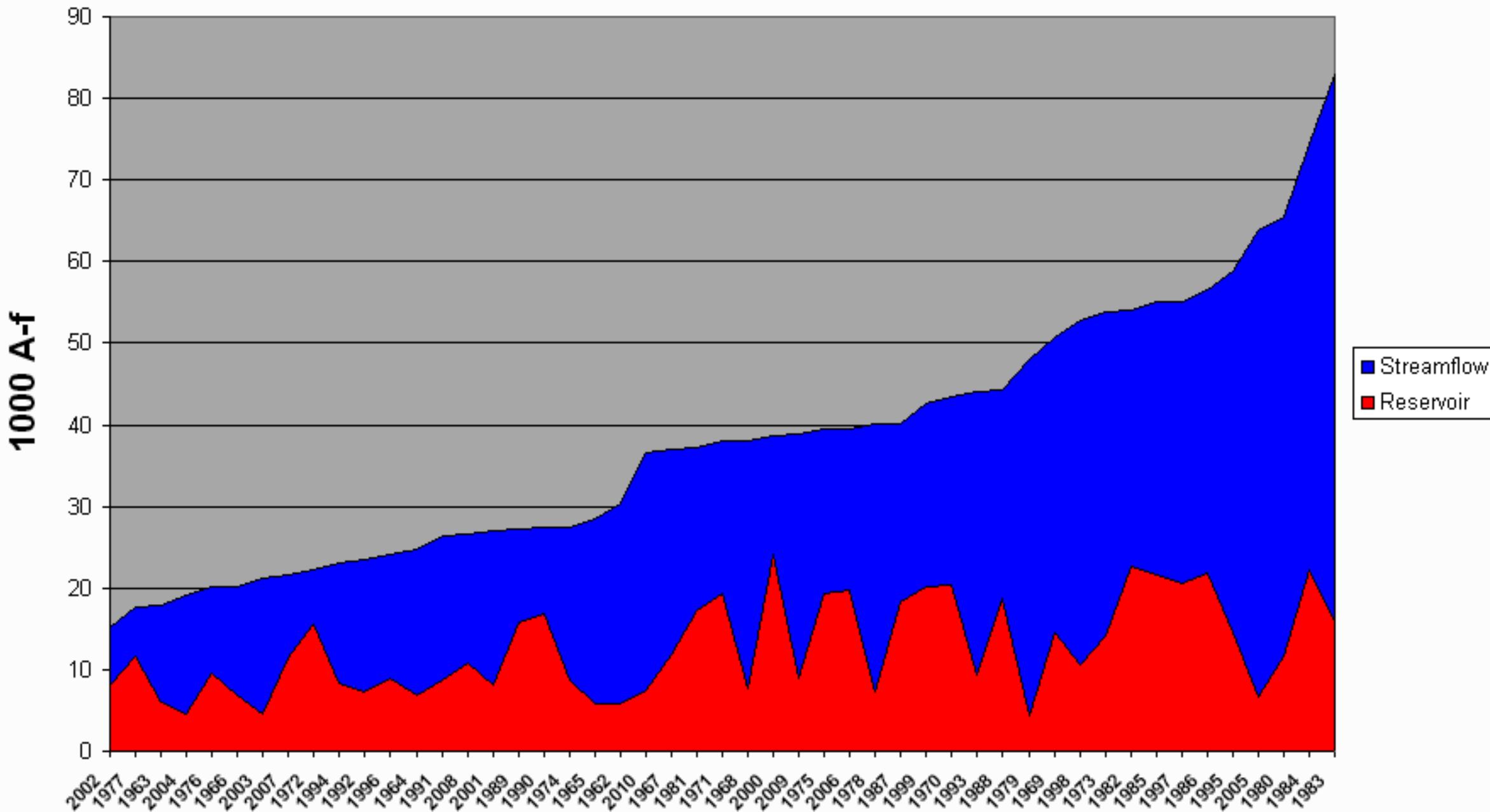
Beaver River SWSI
February

#	Year	EOM January Minerville	April-July Forecast	Streamflow + Reservoir + Streamflow	Probability	SWSI
		Reservoir Storage	Beaver at Beaver			
1000-AF	1000-AF	1000-AF	Probability	SWSI		
1	2002	8.1	7.0	15.1	2	-4.00
2	1977	11.6	6.1	17.7	4	-3.83
3	1963	6.0	11.9	17.9	6	-3.67
4	2004	4.6	14.5	19.1	8	-3.50
5	1976	9.6	10.5	20.1	10	-3.33
6	1966	6.9	13.2	20.1	12	-3.17
7	2003	4.6	16.7	21.3	14	-3.00
8	2007	11.4	10.1	21.5	16	-2.83
9	1972	15.5	6.7	22.2	18	-2.67
10	1994	8.4	14.7	23.0	20	-2.50
11	1992	7.3	16.1	23.4	22	-2.33
12	1996	9.0	15.2	24.2	24	-2.17
13	1964	6.9	17.9	24.8	26	-2.00
14	1991	8.7	17.7	26.4	28	-1.83
15	2008	10.8	15.8	26.6	30	-1.67
16	2001	8.0	19.1	27.1	32	-1.50
17	1989	15.7	11.6	27.3	34	-1.33
18	1990	16.9	10.6	27.5	36	-1.17
19	1974	8.7	18.8	27.5	38	-1.00
20	1965	5.9	22.5	28.4	40	-0.83
21	1962	5.9	24.5	30.4	42	-0.67
22	2010	7.5	29	36.5	44	-0.50
23	1967	11.9	25.2	37.1	46	-0.33
24	1981	17.2	20.0	37.2	48	-0.17
25	1971	19.3	18.7	38.0	50	0.00
26	1968	7.7	30.3	38.0	52	0.17
27	2000	24.1	14.5	38.6	54	0.33
28	2009	8.9	30	38.9	56	0.50
29	1975	19.3	20.1	39.4	58	0.67
30	2006	19.8	19.6	39.4	60	0.83
31	1978	7.3	32.8	40.1	62	1.00
32	1987	18.3	21.8	40.1	64	1.17
33	1999	20.1	22.6	42.7	66	1.33
34	1970	20.3	23.2	43.5	68	1.50
35	1993	9.3	34.9	44.2	70	1.67
36	1988	18.7	25.6	44.3	72	1.83
37	1979	4.3	43.8	48.1	74	2.00
38	1969	14.5	36.3	50.8	76	2.17
39	1998	10.6	42.2	52.9	78	2.33
40	1973	14.1	39.7	53.8	80	2.50
41	1982	22.6	31.5	54.1	82	2.67

42	1985	21.7	33.3	55.0	84	2.83
43	1997	20.6	34.6	55.1	86	3.00
44	1986	21.8	34.8	56.6	88	3.17
45	1995	14.5	44.4	58.8	90	3.33
46	2005	6.7	57.1	63.8	92	3.50
47	1980	11.6	53.9	65.5	94	3.67
48	1984	22.2	52.3	74.5	96	3.83
49	1983	15.8	67.2	83.0	98	4.00

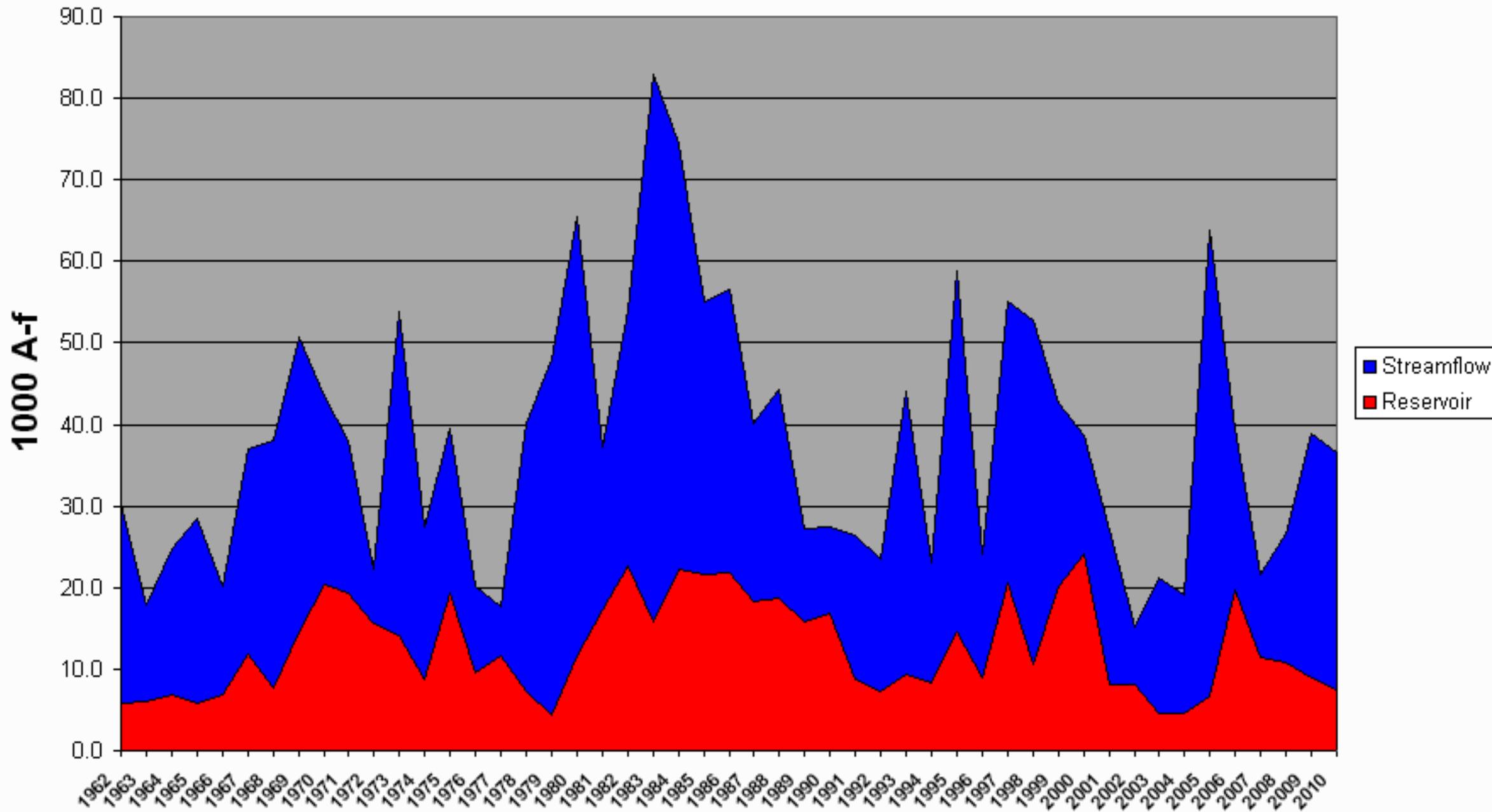
Beaver River Surface Water Supply Index

February



Beaver River Surface Water Supply Index

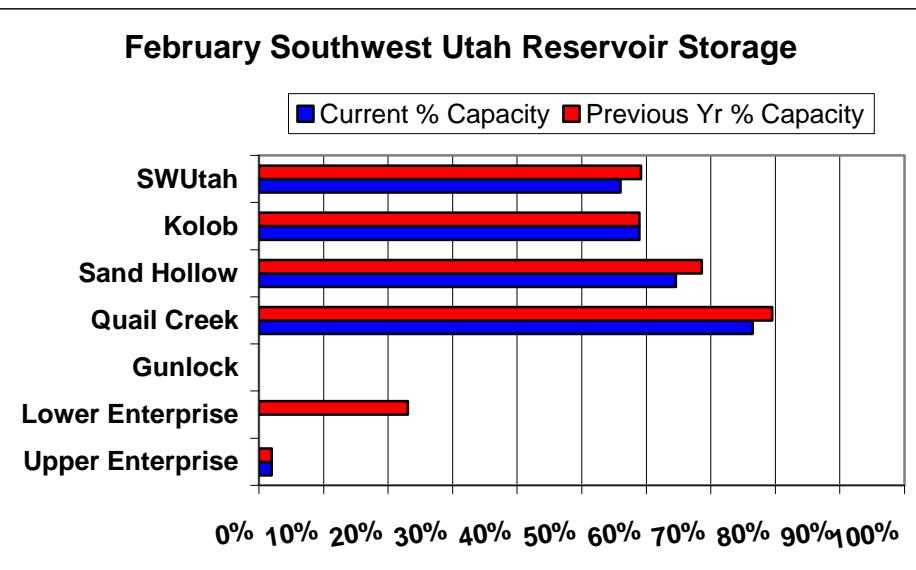
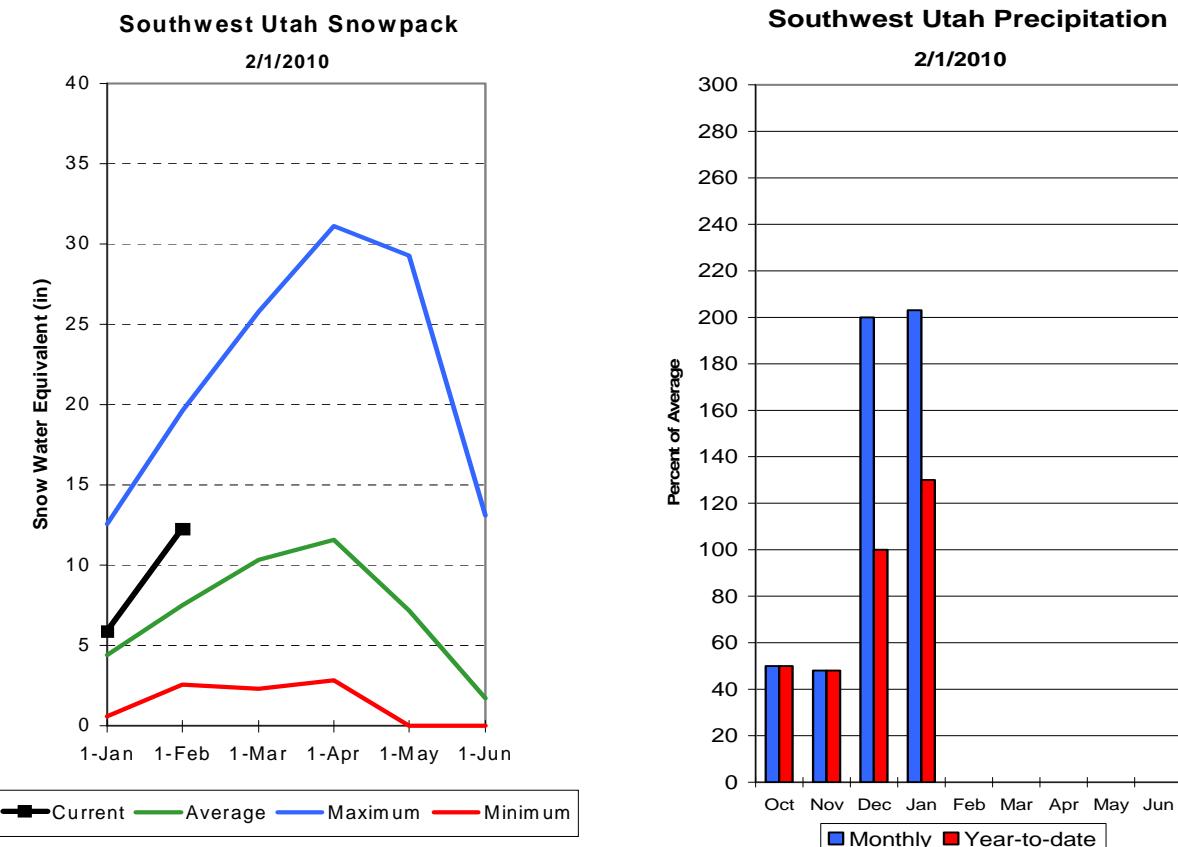
February



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

February 1, 2010

Snowpacks in this region are much above normal at 164% of average, which is 148% of last year. Individual sites range from 259% at Little Grassy Snotel, to 73% of average at Donkey Reservoir Snotel. Precipitation during the month of January was much above average at 203%, bringing the seasonal accumulation (Oct-Jan) to 130% of average. The average soil moisture estimate in runoff producing areas is at 24% of saturation within the upper 2 feet of soil, compared to 39% last year. Forecast streamflows (Apr-July) range from 73% to 127% of average. Reservoir storage is at 56% of capacity, 3% less than last year. The Surface Water Supply Index is at 83%, indicating above average water supply conditions.



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

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

Forecast Point	Forecast Period	<===== Drier ===== Future Conditions =====>=====				30-Yr Avg. (1000AF)		
		Chance Of Exceeding *		Wetter				
		90% (1000AF)	70% (1000AF)	50% (1000AF)	(% AVG.)			
Lake Powell Inflow (2)	APR-JUL	3300	4430	5800	73	7170	8700	7930
Virgin River at Virgin	APR-JUL	52	68	80	125	93	114	64
Virgin River nr Hurricane	APR-JUL	50	70	86	125	103	131	69
Santa Clara River nr Pine Valley	APR-JUL	3.90	5.60	7.00	127	8.50	11.10	5.50
Coal Creek nr Cedar City	APR-JUL	10.5	16.8	21	109	25	32	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, 2010

Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of Average	
		This Year	Last Year	Avg			Last Yr	Average
GUNLOCK	10.4	0.0	0.0	5.7	VIRGIN RIVER	5	140	169
LAKE POWELL	24322.0	14002.0	13184.0	---	PAROWAN	2	129	144
QUAIL CREEK	40.0	30.6	31.8	26.5	ENTERPRISE TO NEW HARMONY	2	213	205
UPPER ENTERPRISE	10.0	0.2	0.2	---	COAL CREEK	2	132	149
LOWER ENTERPRISE	2.6	0.0	0.6	38.0	ESCALANTE RIVER	2	140	109
					SOUTHWESTERN UTAH	9	148	164

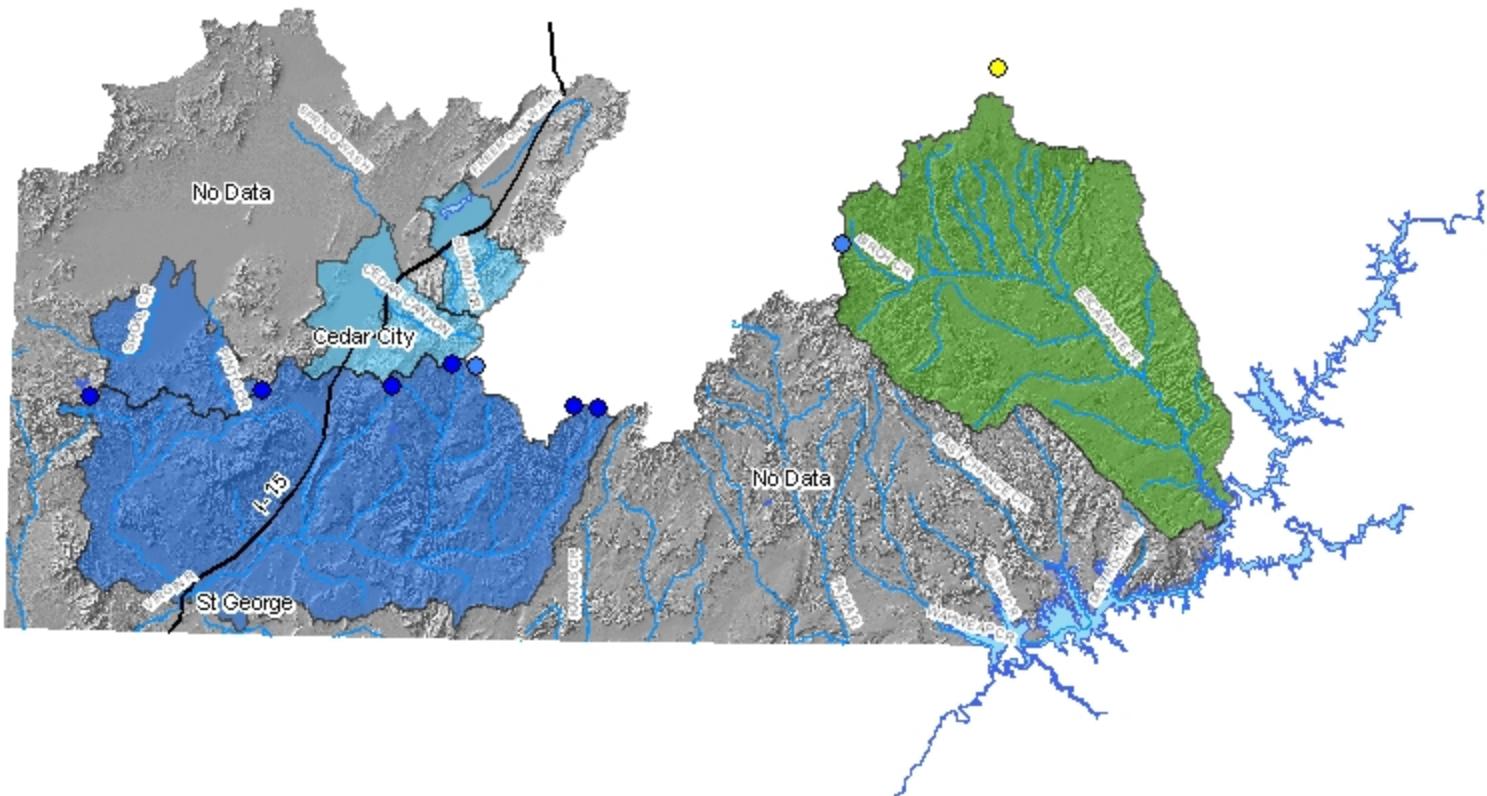
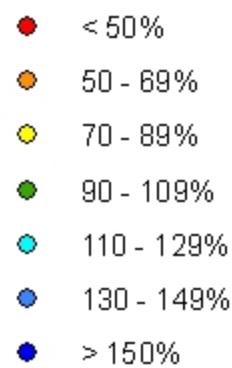
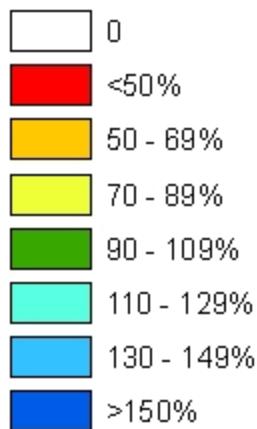
* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

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.

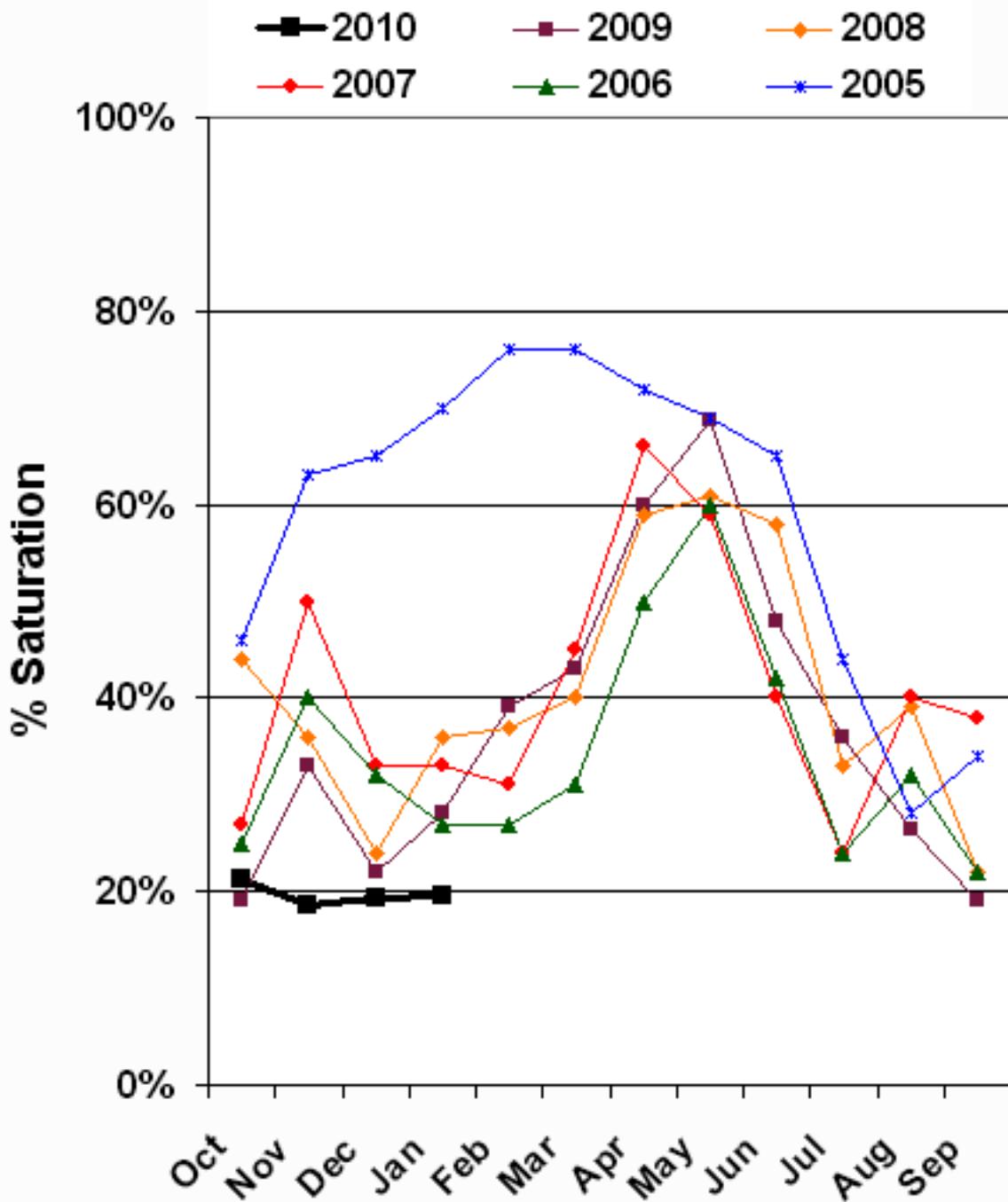
E. Garfield, Kane, Washington & Iron County

Watershed % of Average Snotel % of Average



**Basin Average
161%**

Southwest Utah Soil Moisture



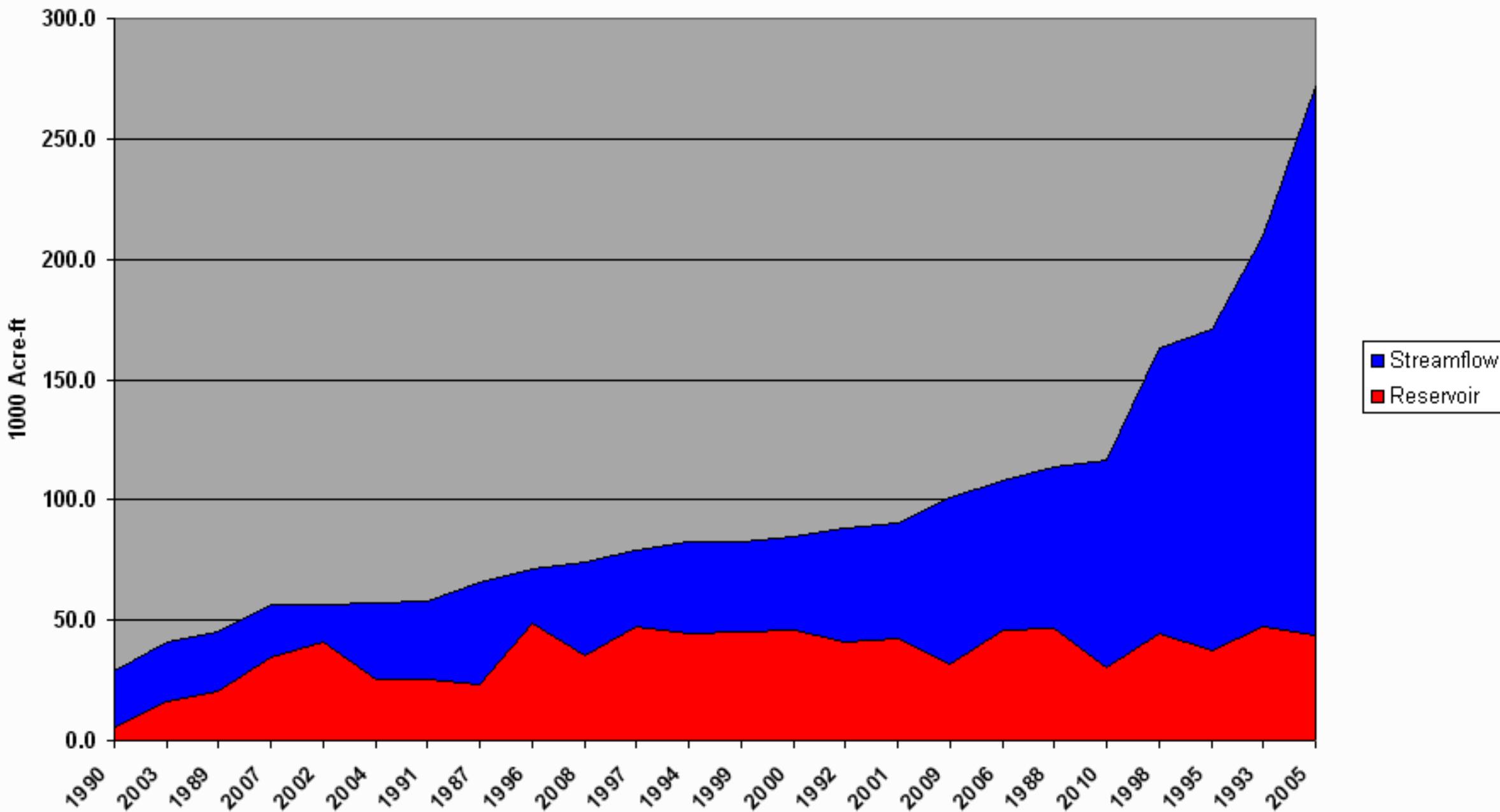
VIRGIN RIVER BASIN SWSI

February 1, 2009

#	Year	EOM		Reservoir + Streamflow	Probability	SWSI
		January Reservoir	Apr-Jul Streamflow			
1	1990	5.6	23.6	29.2	4%	-3.82
2	2003	16.1	25.2	41.2	8%	-3.47
3	1989	20.3	25.2	45.4	13%	-3.13
4	2007	34.5	21.9	56.5	17%	-2.78
5	2002	41.1	15.7	56.8	21%	-2.43
6	2004	25.5	31.8	57.3	25%	-2.08
7	1991	25.1	32.4	57.5	29%	-1.74
8	1987	23.0	42.8	65.8	33%	-1.39
9	1996	48.4	22.7	71.1	38%	-1.04
10	2008	35.3	38.9	74.2	42%	-0.69
11	1997	46.9	32.1	79.0	46%	-0.35
12	1994	44.2	38.2	82.4	50%	0.00
13	1999	45.1	37.8	82.9	54%	0.35
14	2000	45.9	38.7	84.6	58%	0.69
15	1992	41.0	47.4	88.5	63%	1.04
16	2001	42.0	48.4	90.4	67%	1.39
17	2009	31.8	69.4	101.2	71%	1.74
18	2006	46.2	61.8	108.0	75%	2.08
19	1988	46.7	67.1	113.8	79%	2.43
20	2010	30.6	86.0	116.6	83%	2.78
21	1998	44.1	119.0	163.2	88%	3.13
22	1995	37.7	133.4	171.2	92%	3.47
23	1993	47.6	161.8	209.4	96%	3.82
24	2005	43.8	228.2	272.0	1	4.17

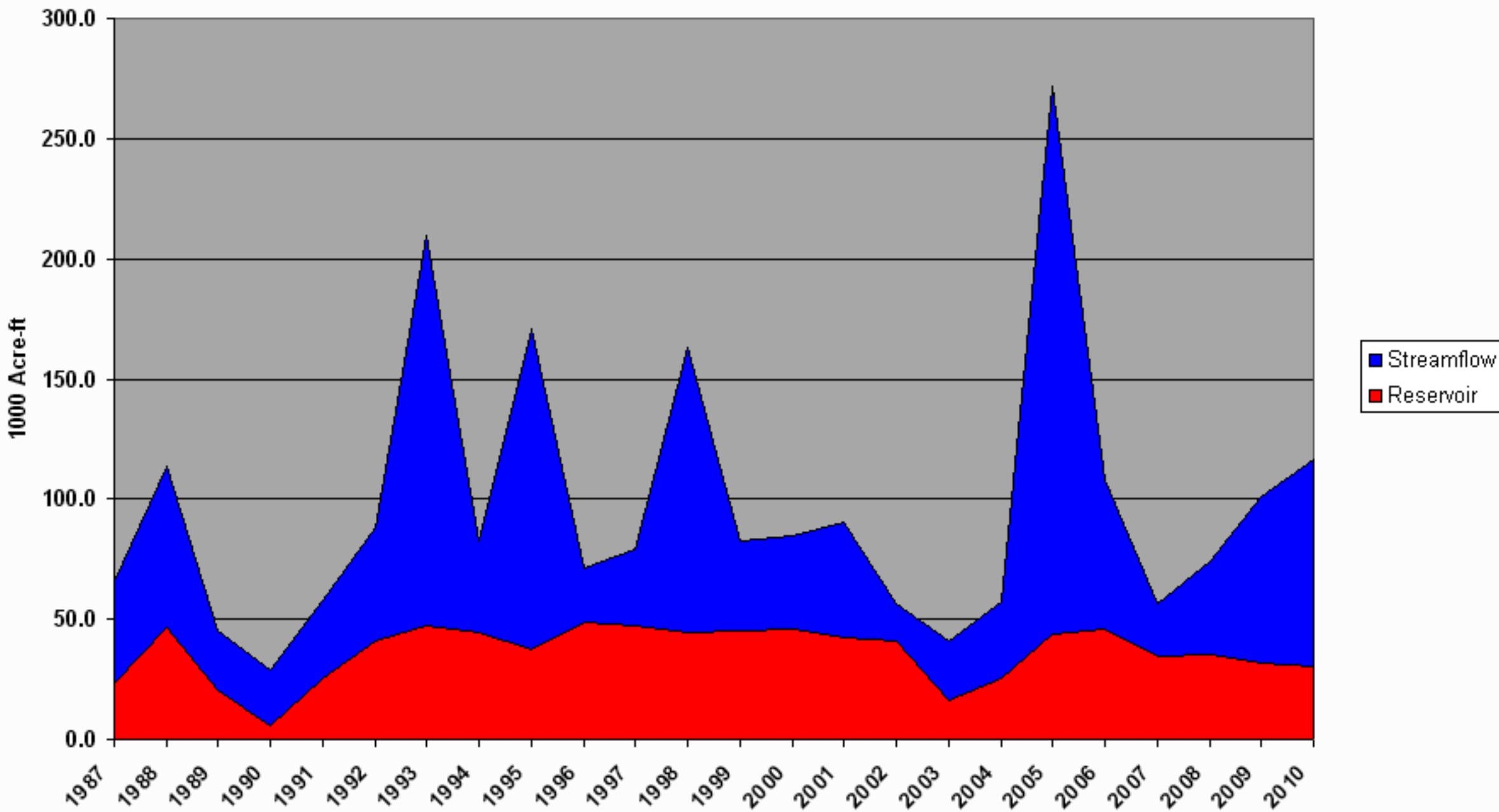
Virgin River Surface Water Supply Index

February



Virgin River Surface Water Supply Index

February



DATA CURRENT AS OF:02/02/10 08:23:45

S N O W C O U R S E D A T A
FEBRUARY 2010

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE
						71-00
AGUA CANYON SNOTEL	8900	2/01	45	10.7	7.2	5.4
ALTA CENTRAL	8800	1/29	68	17.2	26.4	24.7
BEAVER DAMS SNOTEL	8000	2/01	23	6.2	5.2	7.0
BEAVER DIVIDE SNOTEL	8280	2/01	34	6.4	8.0	7.8
BEN LOMOND PK SNOTEL	8000	2/01	71	20.0	24.0	25.0
BEN LOMOND TR SNOTEL	6000	2/01	49	11.6	11.2	14.4
BEVAN'S CABIN	6450				-	-
BIG FLAT SNOTEL	10290	2/01	48	11.7	12.6	11.4
BIRCH CROSSING	8100				-	4.6
BLACK FLAT-U.M. CK S	9400	2/01	31	6.3	4.8	5.9
BLACK'S FORK GS-EF	9340				-	5.8
BLACK'S FORK JUNCTN	8930				-	5.9
BOX CREEK SNOTEL	9800	2/01	35	8.1	8.3	8.0
BRIAN HEAD	10000				-	11.8
BRIGHTON SNOTEL	8750	2/01	56	12.4	13.6	15.9
BRIGHTON CABIN	8700	1/27	56	12.5	16.7	17.5
BROWN DUCK SNOTEL	10600	2/01	44	8.0	10.1	11.1
BRYCE CANYON	8000				-	3.6
BUCK FLAT SNOTEL	9800	2/01	35	8.4	9.4	11.3
BUCK PASTURE	9700				-	-
BUCKBOARD FLAT	9000				9.4	-
BUG LAKE SNOTEL	7950	2/01	36	5.5	9.7	13.2
BURT'S-MILLER RANCH	7900				-	3.8
BURTS-MILLER RANCH S	7860	2/01	14	2.6	-	-
CAMP JACKSON SNOTEL	8600	2/01	59	14.5	10.1	9.0
CASCADE MOUNTAIN SNO	7770	2/01	41	9.7	13.5	-
CASTLE VALLEY SNOTEL	9580	2/01	54	10.8	7.9	7.7
CHALK CK #1 SNOTEL	9100	2/01	44	10.9	14.4	15.3
CHALK CK #2 SNOTEL	8200	2/01	28	5.8	10.0	9.9
CHALK CREEK #3	7500				-	5.6
CHEPETA SNOTEL	10300	2/01	37	8.5	8.0	8.3
CLAYTON SPRINGS SNTL	10000	2/01	43	9.1	6.8	-
CLEAR CK RIDG #1 SNT	9200	2/01	36	8.1	11.1	12.3
CLEAR CK RIDG #2 SNT	8000	2/01	33	6.1	9.0	9.4
CORRAL	8200				-	-
CURRANT CREEK SNOTEL	8000	2/01	33	6.7	6.4	6.8
DANIELS-STRAWBERRY S	8000	2/01	35	6.8	8.9	11.1
DILL'S CAMP SNOTEL	9200	2/01	29	7.1	6.5	8.4
DONKEY RESERVOIR SNO	9800	2/01	24	3.7	3.5	5.1
DRY BREAD POND SNTL	8350	2/01	38	7.9	13.1	14.5
DRY FORK SNOTEL	7160	2/01	32	6.7	7.8	10.1
EAST WILLOW CREEK SN	8250	2/01	40	8.7	6.2	4.9
FARMINGTON U. SNOTEL	8000	2/01	60	12.7	23.1	20.3
FARMINGTON L. SNOTEL	6780	2/01	44	10.6	14.1	-
FARNSWORTH LK SNOTEL	9600	2/01	41	9.7	10.5	11.4
FISH LAKE	8700				-	5.1
FIVE POINTS LAKE SNO	10920	2/01	33	8.6	9.1	9.8
G.B.R.C. HEADQUARTER	8700				-	-
G.B.R.C. MEADOWS	10000				-	14.5
GARDEN CITY SUMMIT	7600				-	11.1
GARDEN CITY SUMMIT S	7700	2/01	46	7.9	-	-
GARDNER PEAK SNOTEL	8350	2/01	44	11.2	9.3	-
GEORGE CREEK	8840				-	-
GOOSEBERRY R.S.	8400				-	7.5
GOOSEBERRY R.S. SNTL	7900	2/01	21	4.7	5.1	5.8
GUTZ PEAK SNOTEL	6820	2/01	59	15.5	7.5	-
HARDSCRABBLE SNOTEL	7250	2/01	49	10.5	11.1	10.9
HARRIS FLAT SNOTEL	7700	2/01	42	10.8	7.5	4.7
HAYDEN FORK SNOTEL	9100	2/01	35	7.3	10.6	9.8
HENRY'S FORK	10000				-	-
HEWINTA SNOTEL	9500	2/01	21	3.8	5.1	6.7
HICKERSON PARK SNTL	9100	2/01	20	3.6	2.3	4.4
HIDDEN SPRINGS	5500	1/28	18	4.1	5.9	5.5
HOBBLE CREEK SUMMIT	7420				-	9.6
HOLE-IN-ROCK SNOTEL	9150	2/01	20	3.0	2.3	4.1
HORSE RIDGE SNOTEL	8260	2/01	40	7.8	12.6	15.1
HUNTINGTON-HORSESHOE	9800				-	15.1
INDIAN CANYON SNOTEL	9100	2/01	31	7.0	5.5	6.9
JOHNSON VALLEY	8850				-	4.6
JONES CORRAL SNOTEL	9750	2/01	29	6.1	6.4	-
KILFOIL CREEK	7300				-	9.4
KILLYON CANYON	6300	1/29	26	5.3	6.4	11.5
KIMBERLY MINE SNOTEL	9300	2/01	36	7.5	11.1	9.4

SNOW COURSE	ELEV.	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 71-00
KING'S CABIN SNOTEL	8730	2/01	28	6.6	4.9	6.8
KLONDIKE NARROWS	7400				-	12.7
KLONDIKE NARROWS SNO	7300	2/01	54	10.0	-	-
KOLOB SNOTEL	9250	2/01	72	19.1	15.8	12.1
LAKEFORK #1 SNOTEL	10100	2/01	29	6.7	7.3	7.9
LAKEFORK BASIN SNTL	10900	2/01	42	8.7	12.9	12.4
LAKEFORK #3 SNOTEL	8500	2/01	22	4.5	-	-
LAKEFORK MOUNTAIN #3	8400				-	4.6
LAMBS CANYON	7400	1/28	40	7.7	11.3	11.2
LASAL MOUNTAIN LOWER	8800				4.8	5.9
LASAL MOUNTAIN SNTL	9850	2/01	34	8.5	7.8	7.8
LIGHTNING RIDGE SNTL	8220	2/01	31	7.7	12.1	-
LILY LAKE SNOTEL	9050	2/01	28	5.9	8.6	8.2
LITTLE BEAR LOWER	6000				-	7.1
LITTLE BEAR SNOTEL	6550	2/01	34	6.9	7.4	9.1
LITTLE GRASSY SNOTEL	6100	2/01	43	12.7	3.3	4.9
LONG FLAT SNOTEL	8000	2/01	35	8.8	6.8	5.6
LONG VALLEY JCT. SNT	7500	2/01	42	10.6	6.1	4.4
LOOKOUT PEAK SNOTEL	8200	2/01	54	11.3	16.3	15.4
LOST CREEK RESERVOIR	6130				-	3.8
LOUIS MEADOW SNOTEL	6700	2/01	43	10.2	13.9	-
MAMMOTH-COTTONWD SNT	8800	2/01	35	9.3	11.9	12.9
MERCHANT VALLEY SNTL	8750	2/01	40	9.4	9.3	8.2
MIDDLE CANYON	7000				-	9.1
MIDWAY VALLEY SNOTEL	9800	2/01	79	20.2	16.1	13.9
MILL CREEK	6950	1/28	40	7.9	12.9	12.5
MILL-D NORTH SNOTEL	8960	2/01	44	9.9	16.1	15.8
MILL-D SOUTH FORK	7400	1/27	46	9.2	12.7	13.0
MINING FORK SNOTEL	8000	2/01	35	8.0	10.3	9.3
MONTE CRISTO SNOTEL	8960	2/01	48	11.3	16.0	18.2
MOSBY MTN. SNOTEL	9500	2/01	28	5.1	6.0	7.0
MT. BALDY R.S.	9500				-	14.9
MUD CREEK #2	8600				-	8.6
OAK CREEK	7760				-	-
PANGUITCH LAKE R.S.	8200				-	-
PARLEY'S CANYON SNTL	7500	2/01	37	7.9	10.8	11.6
PARRISH CREEK SNOTEL	7740	2/01	45	9.6	16.7	-
PAYSON R.S. SNOTEL	8050	2/01	38	9.1	11.4	11.6
PICKLE KEG SNOTEL	9600	2/01	29	6.7	8.8	10.0
PINE CREEK SNOTEL	8800	2/01	34	9.7	11.7	12.9
RED PINE RIDGE SNTL	9200	2/01	32	6.5	7.7	10.5
REDDEN MINE LOWER	8500				-	10.8
REES'S FLAT	7300				-	8.7
ROCK CREEK SNOTEL	7900	2/01	27	5.5	4.7	5.6
ROCKY BN-SETTLEMENT SN	8900	2/01	41	9.8	11.3	15.1
SEELEY CREEK SNOTEL	10000	2/01	24	6.8	7.8	8.8
SMITH MOREHOUSE SNTL	7600	2/01	31	5.5	10.9	9.2
SNOWBIRD SNOTEL	9700	2/01	66	17.4	26.0	20.1
SPIRIT LAKE	10300				-	7.4
SPIRIT LK SNOTEL	10200	2/01	30	6.3	-	-
SQUAW SPRINGS	9300				-	4.6
STEEL CREEK PARK SNO	10100	2/01	34	6.6	6.8	9.4
STILLWATER CAMP	8550				-	6.5
STRAWBERRY DIVIDE SN	8400	2/01	39	7.2	8.7	11.9
SUSC RANCH	8200				-	5.2
TALL POLES	8800				-	8.4
TEMPLE FORK SNOTEL	7410	2/01	49	8.4	11.6	-
THAYNES CANYON SNTL	9200	2/01	55	12.6	13.8	13.8
THISTLE FLAT	8500				-	-
TIMBERLINE	9100				-	-
TIMBERLINE SNOTEL	8680	2/01	31	7.2	5.7	-
TIMPANOGOS DIVIDE SN	8140	2/01	56	12.9	16.3	15.0
TONY GROVE LK SNOTEL	8400	2/01	81	15.2	22.9	23.4
TONY GROVE R.S.	6250				-	9.0
TONY GROVE RS SNOTEL	6400	2/01	46	7.3	-	-
TRIAL LAKE	9960				-	14.7
TRIAL LAKE SNOTEL	9960	2/01	54	10.1	14.5	15.7
TROUT CREEK SNOTEL	9400	2/01	29	6.0	4.4	5.8
UPPER JOES VALLEY	8900				-	6.8
USU DOC DANIEL SNTL	8270	2/01	73	14.0	17.6	-
VERNON CREEK SNOTEL	7500	2/01	32	7.1	7.4	7.1
VIPONT	7670				-	-
WEBSTER FLAT SNOTEL	9200	2/01	55	15.2	10.8	9.8
WHITE RIVER #1 SNTL	8550	2/01	29	6.3	7.0	8.3
WHITE RIVER #3	7400				-	5.8
WIDTSOE #3 SNOTEL	9500	2/01	40	9.6	5.7	7.1
WRIGLEY CREEK	9000				-	6.7
YANKEE RESERVOIR	8700				-	5.6

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Utah Water Supply Outlook Report

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