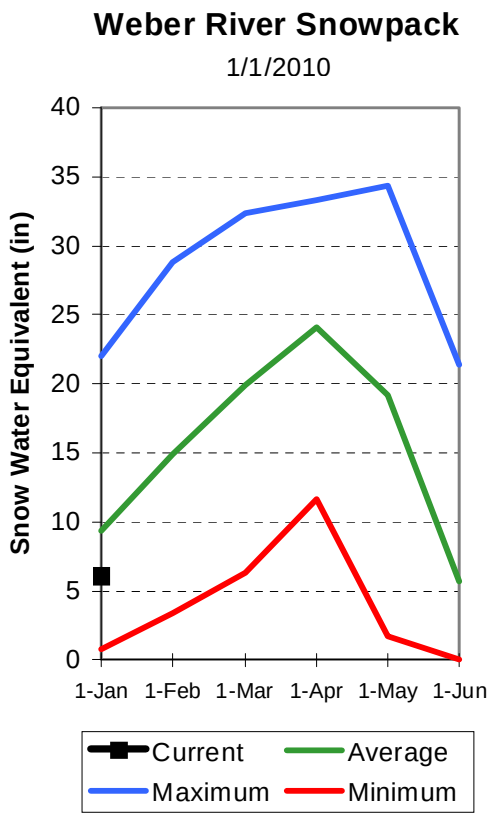
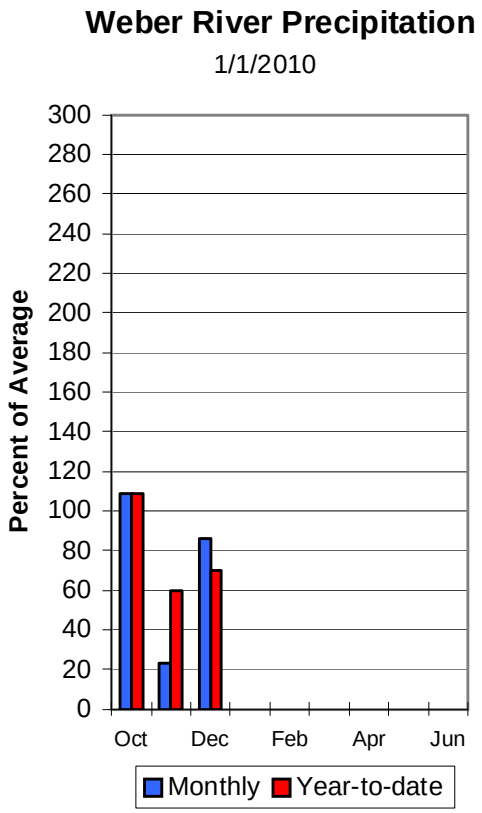
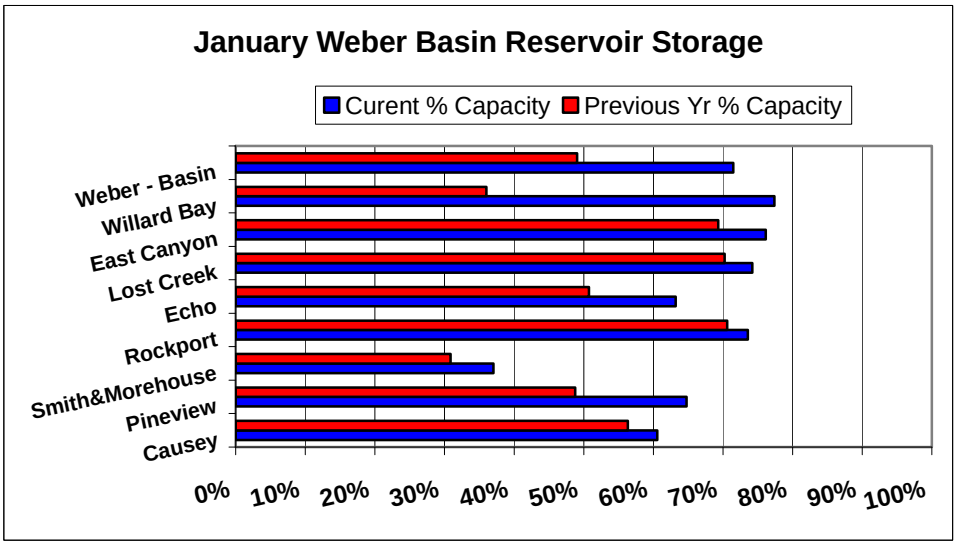
Weber and Ogden River Basins
January 1, 2010

Snowpacks on the Weber and Ogden Watersheds are average at 65%, about 72% of last year. Individual sites range from 44% to 79% of average. December precipitation was below average at 86% bringing the seasonal accumulation (Oct-Dec) to 70% of average. Soil moisture levels in runoff producing areas are at 45% of saturation in the upper 2 feet of soil compared to 50% last year. Streamflow forecasts (April-July) range from 55% to 76% of average. Reservoir storage is at 71% of capacity, 22% higher than last year. The Surface Water Supply Index is at 52% for the Weber River and 47% for the Ogden River indicating that overall water supply conditions are near average. This is the worst snowpack since 2000.







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

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

Forecast Point	Forecast Period	<<====== Drier ====== Future Conditions ======= Wetter =====>> Chance Of Exceeding * 90% (1000AF)	70% (1000AF)	50% (1000AF)	50% (% AVG.)	30% (1000AF)	10% (1000AF)	30-Yr Avg. (1000AF)
Smith & Morehouse Res inflow	APR-JUL	14.8	21	26	77	31	37	34
Weber R nr Oakley, UT	APR-JUL	53	78	94	76	110	135	123
Rockport Reservoir	APR-JUL	30	69	95	71	121	160	134
Weber R nr Coalville, UT	APR-JUL	29	68	95	69	122	161	137
Chalk Creek at Coalville	APR-JUL	7.0	21	30	67	39	53	45
Echo Resv at Echo, UT	APR-JUL	41	85	115	64	145	189	179
Lost Ck Resv Inflow	APR-JUL	0.3	5.3	10.0	57	14.7	22	17.6
East Canyon Ck Nr Jeremy Ranch	APR-JUL	1.00	5.00	9.00	63	13.00	22.00	14.2
East Canyon Ck Nr Morgan, Ut	APR-JUL	2.0	11.3	19.0	61	27	38	31
Weber R at Gateway, UT	APR-JUL	18.0	138	220	62	300	420	355
SF Ogden R nr Huntsville, UT	APR-JUL	9.6	28	40	63	52	70	64
Pineview Resv Inflow	APR-JUL	4.0	44	80	60	116	169	133
Wheeler Ck Nr Huntsville, Ut	APR-JUL	0.32	2.30	4.10	65	5.90	8.50	6.30

WEBER & OGDEN WATERSHEDS in Utah
Reservoir Storage (1000 AF) - End of December

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAUSEY	7.1	4.3	4.0	2.8
EAST CANYON	49.5	37.7	34.3	34.9
ECHO	73.9	46.7	37.5	47.9
LOST CREEK	22.5	16.7	15.8	14.1
PINEVIEW	110.1	71.3	53.7	52.9
ROCKPORT	60.9	44.8	43.0	36.2
WILLARD BAY	215.0	166.4	77.4	147.7

WEBER & OGDEN WATERSHEDS in Utah
Watershed Snowpack Analysis - January 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
OGDEN RIVER	4	68	64
WEBER RIVER	9	74	66
WEBER & OGDEN WATERSHEDS	13	72	65

* 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

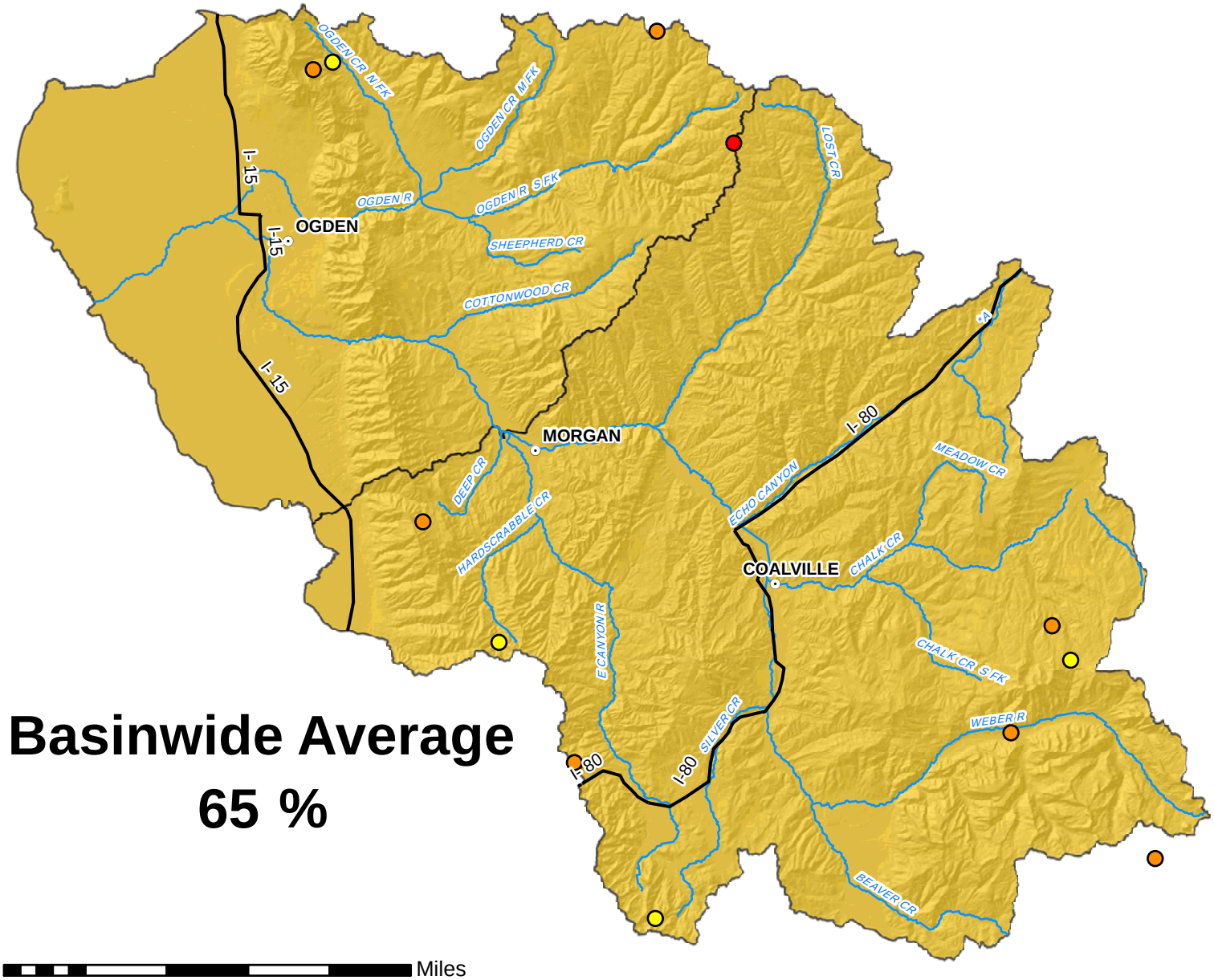
Watershed % of Average

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

Snotel % of Average

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

N



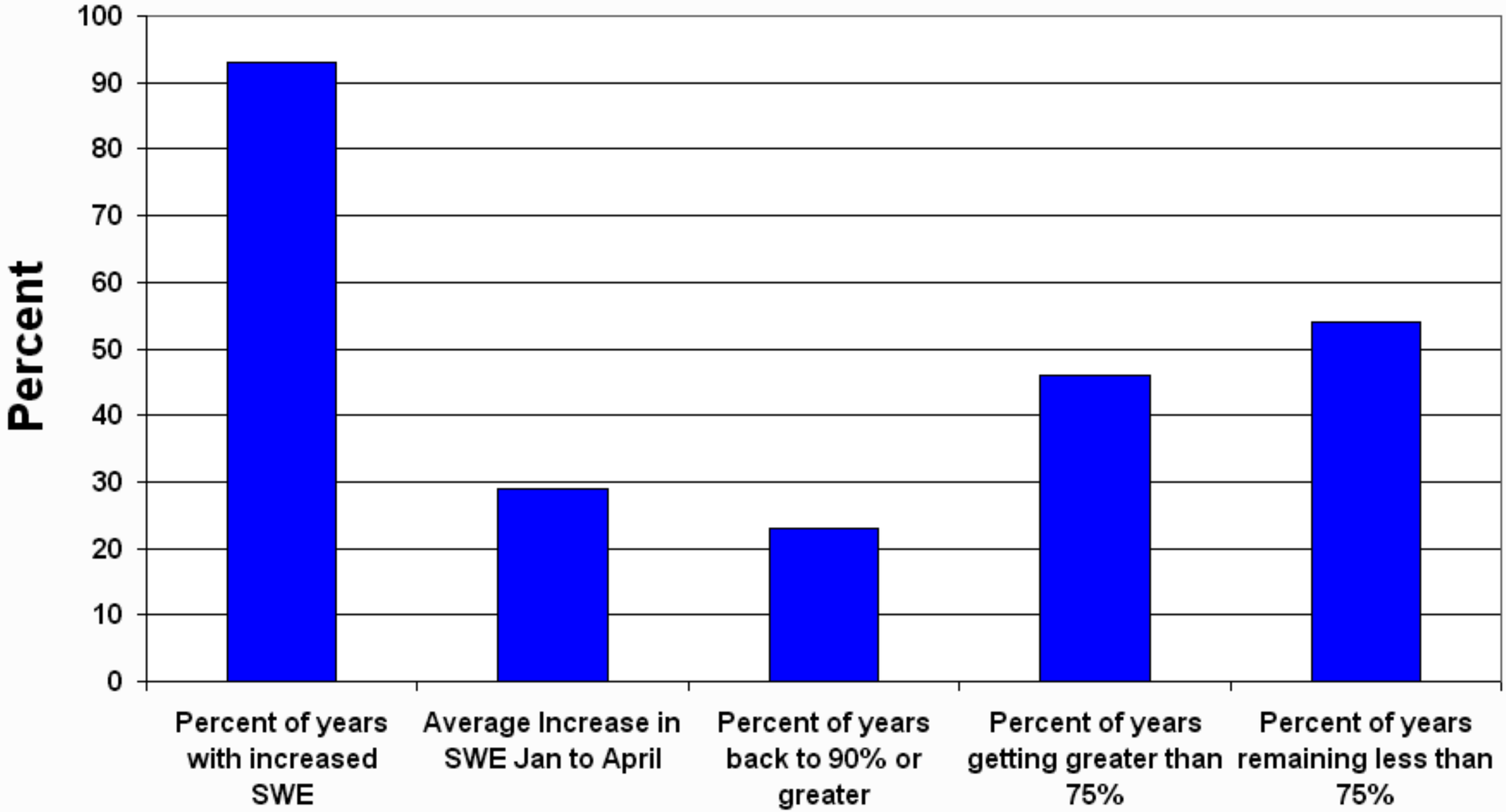
Basinwide Average

65 %

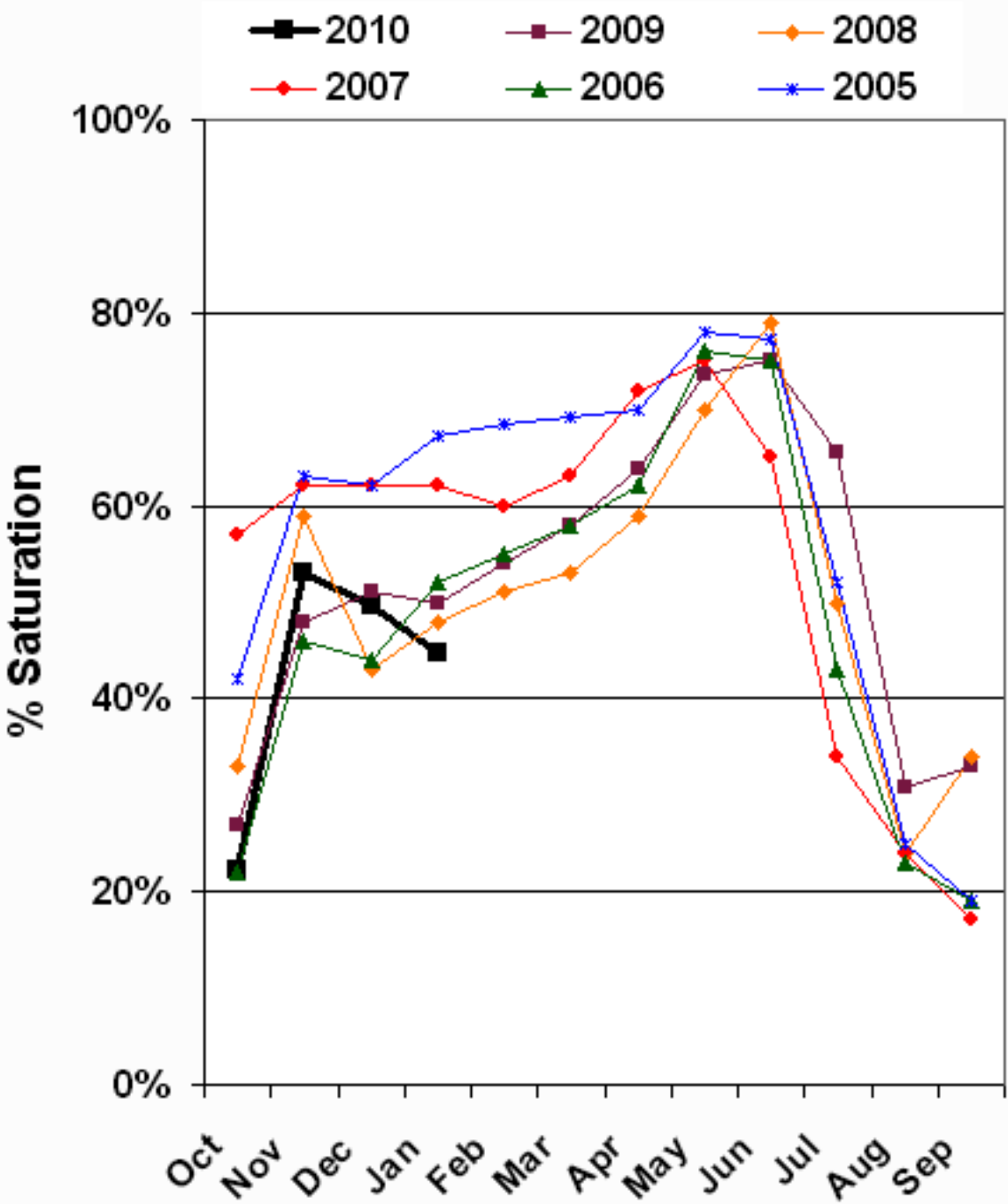
0 2.5 5 10 15 20 25 Miles

Provisional Data
Subject to Revision

Weber Basin Low Snow Analysis - April 1 outcome if Jan 1 is less than 75% of average

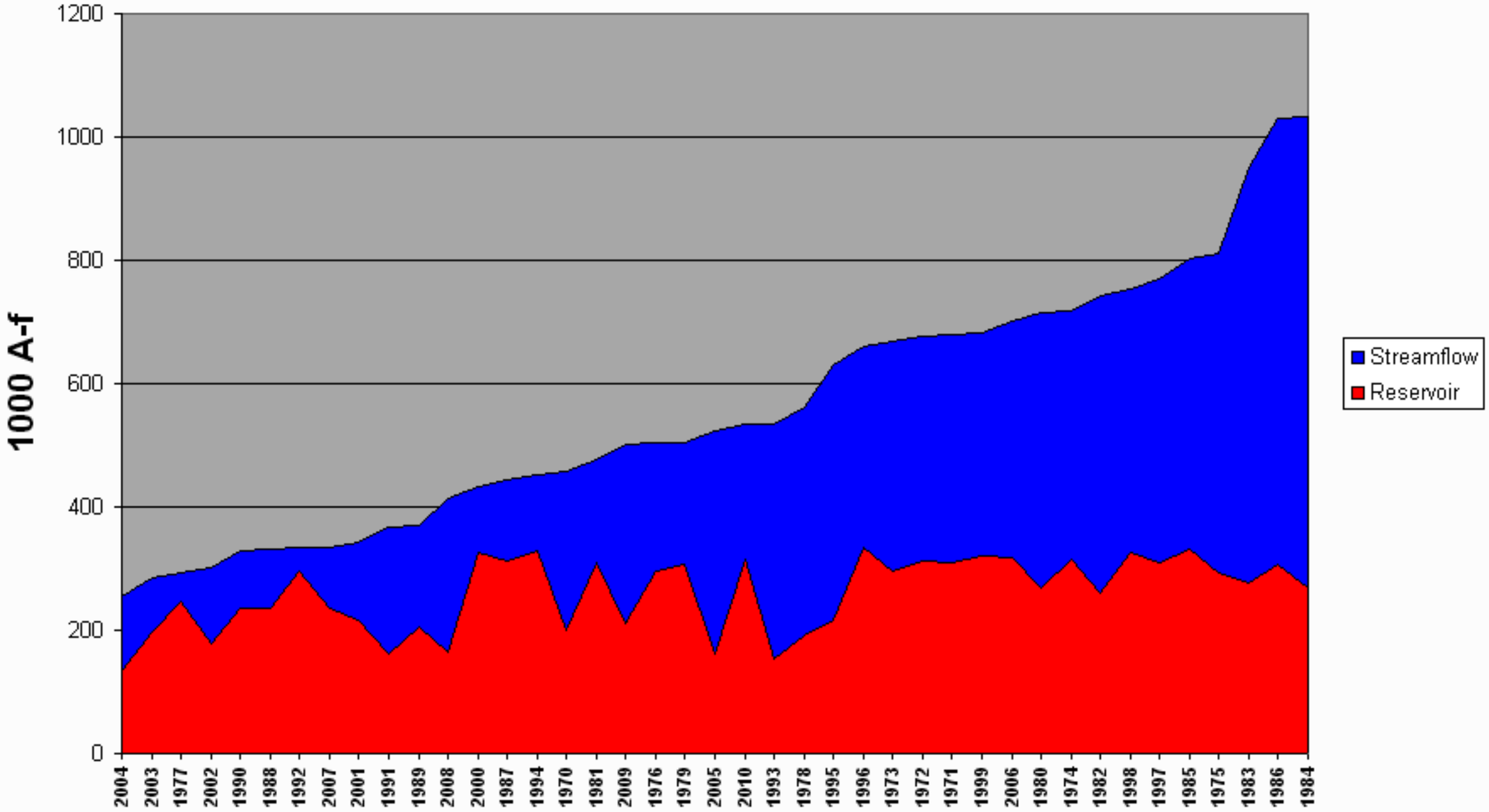


Weber River Soil Moisture

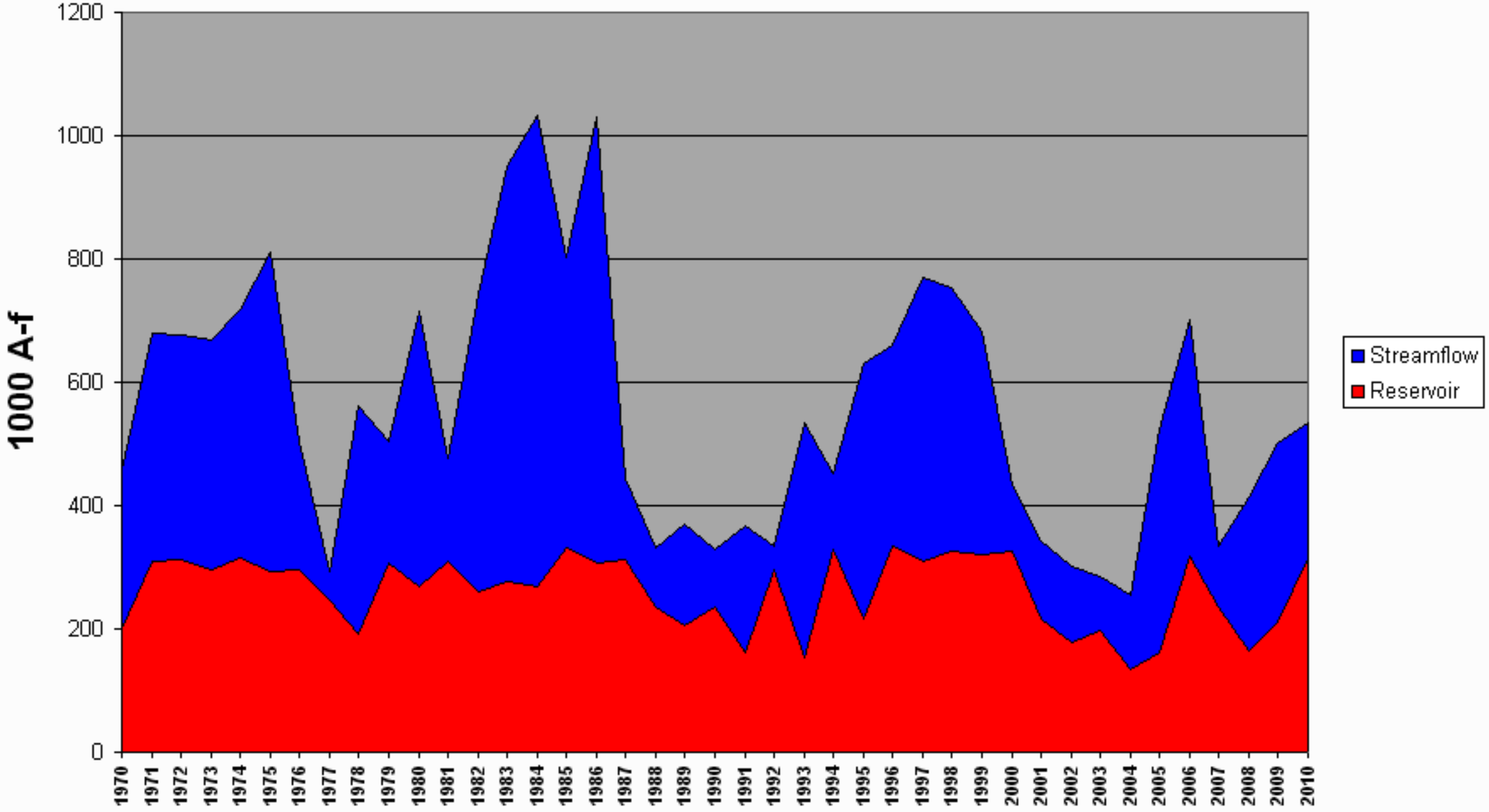


Weber SWSI						
January 1						
#	Year	EOM December Reservoir KAF	Apr-Jul Streamflow KAF	Reservoir + Streamflow KAF	Probability	SWSI
1	2004	133	122	255	2	-3.97
2	2003	197	89	286	5	-3.77
3	1977	246	47	293	7	-3.57
4	2002	179	121	301	10	-3.37
5	1990	235	94	330	12	-3.17
6	1988	236	95	332	14	-2.98
7	1992	296	38	333	17	-2.78
8	2007	235	99	334	19	-2.58
9	2001	217	125	342	21	-2.38
10	1991	163	204	366	24	-2.18
11	1989	206	163	369	26	-1.98
12	2008	163	250	413	29	-1.79
13	2000	326	107	433	31	-1.59
14	1987	312	131	444	33	-1.39
15	1994	329	122	451	36	-1.19
16	1970	201	257	458	38	-0.99
17	1981	310	166	475	40	-0.79
18	2009	211	290	501	43	-0.60
19	1976	296	209	505	45	-0.40
20	1979	306	199	505	48	-0.20
21	2005	162	362	524	50	0.00
22	**2010**	**315**	**220**	**535**	**52**	**0.20**
23	1993	152	383	535	55	0.40
24	1978	191	370	562	57	0.60
25	1995	216	413	629	60	0.79
26	1996	334	325	659	62	0.99
27	1973	296	372	669	64	1.19
28	1972	311	366	677	67	1.39
29	1971	310	370	680	69	1.59
30	1999	320	362	682	71	1.79
31	2006	319	382	701	74	1.98
32	1980	269	446	715	76	2.18
33	1974	316	403	718	79	2.38
34	1982	261	481	742	81	2.58
35	1998	326	428	754	83	2.78
36	1997	311	460	771	86	2.98
37	1985	331	471	802	88	3.17
38	1975	293	519	812	90	3.37
39	1983	277	674	951	93	3.57
40	1986	308	723	1030	95	3.77
41	1984	269	764	1033	98	3.97

Weber River Surface Water Supply Index
January

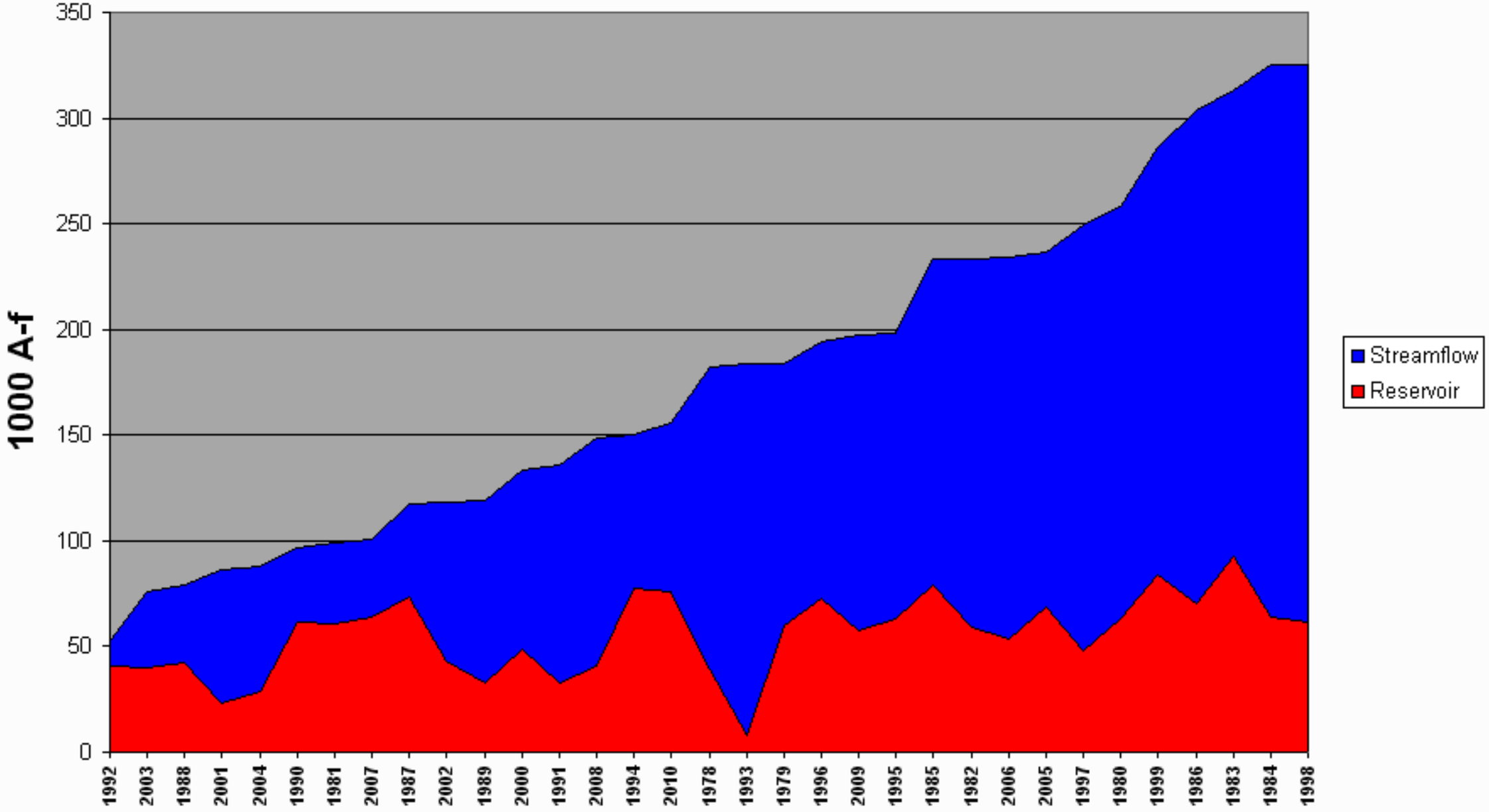
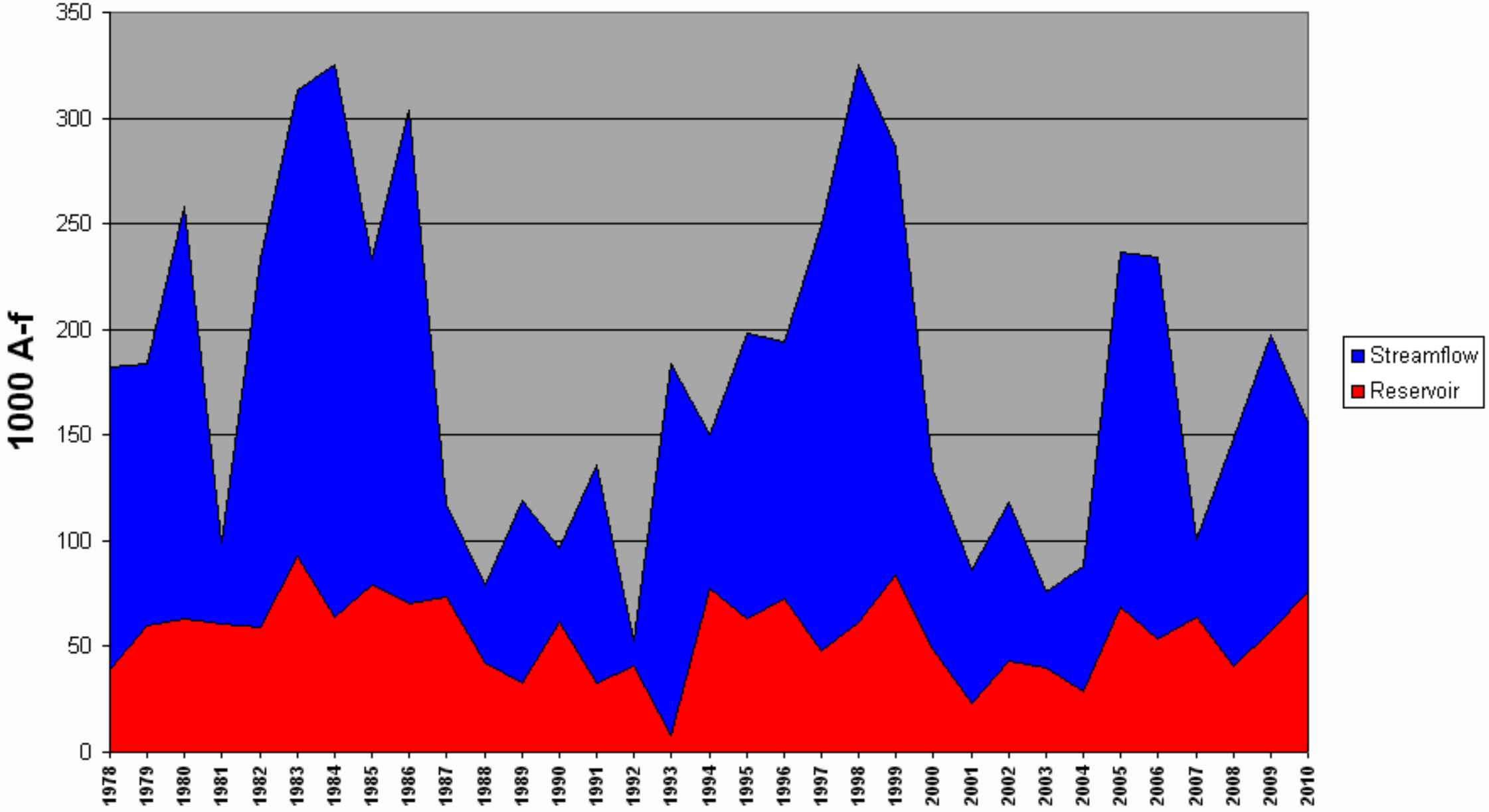


Weber River Surface Water Supply Index
January



Ogden SWSI						
January 1						
#	Year	EOM December Reservoir KAF	Apr-Jul Streamflow KAF	Reservoir + Streamflow KAF	Probability	SWSI
1	1992	41	12	53	3	-3.92
2	2003	40	36	76	6	-3.68
3	1988	42	37	79	9	-3.43
4	2001	23	63	87	12	-3.19
5	2004	28	59	88	15	-2.94
6	1990	61	36	97	18	-2.70
7	1981	61	38	99	21	-2.45
8	2007	64	37	101	24	-2.21
9	1987	74	43	117	26	-1.96
10	2002	44	75	118	29	-1.72
11	1989	33	87	119	32	-1.47
12	2000	48	85	134	35	-1.23
13	1991	33	103	136	38	-0.98
14	2008	41	108	149	41	-0.74
15	1994	77	73	150	44	-0.49
16	**2010**	**76**	**80**	**156**	**47**	**-0.25**
17	1978	40	142	182	50	0.00
18	1993	8	175	183	53	0.25
19	1979	60	124	184	56	0.49
20	1996	73	121	194	59	0.74
21	2009	58	140	198	62	0.98
22	1995	63	135	198	65	1.23
23	1985	79	154	234	68	1.47
24	1982	59	174	234	71	1.72
25	2006	54	180	234	74	1.96
26	2005	69	167	236	76	2.21
27	1997	48	202	249	79	2.45
28	1980	63	195	258	82	2.70
29	1999	84	203	286	85	2.94
30	1986	71	233	304	88	3.19
31	1983	93	221	313	91	3.43
32	1984	64	261	325	94	3.68
33	1998	61	264	325	97	3.92

Ogden River Surface Water Supply Index
January



Ogden River Surface Water Supply Index
January