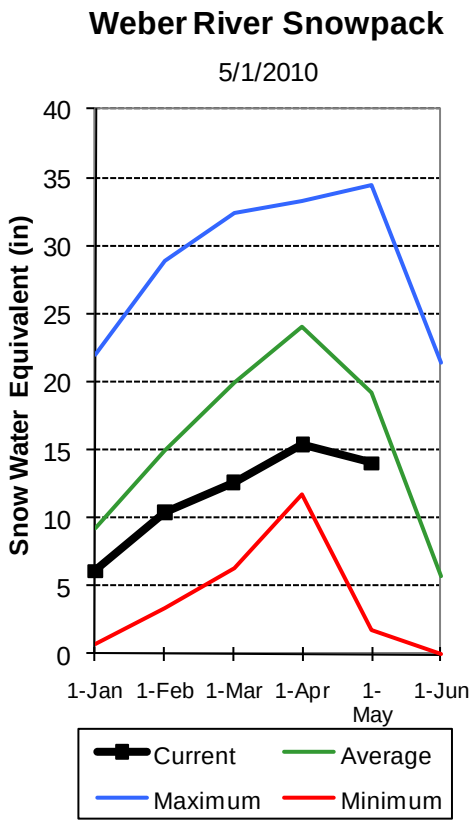
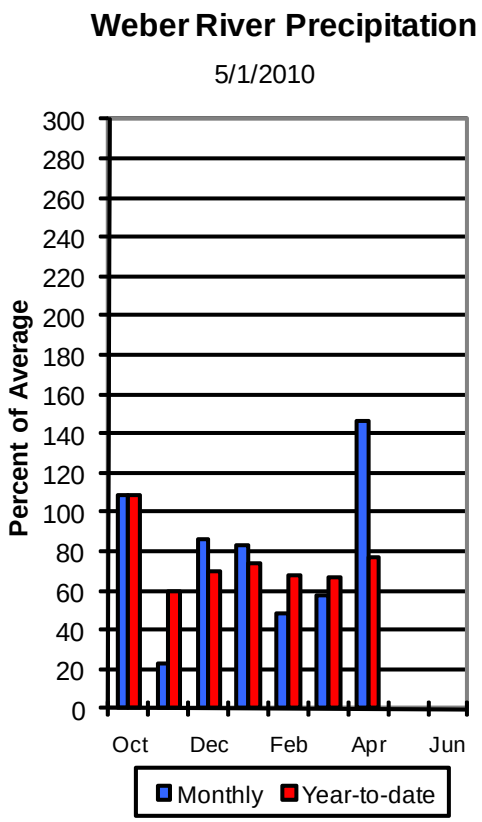
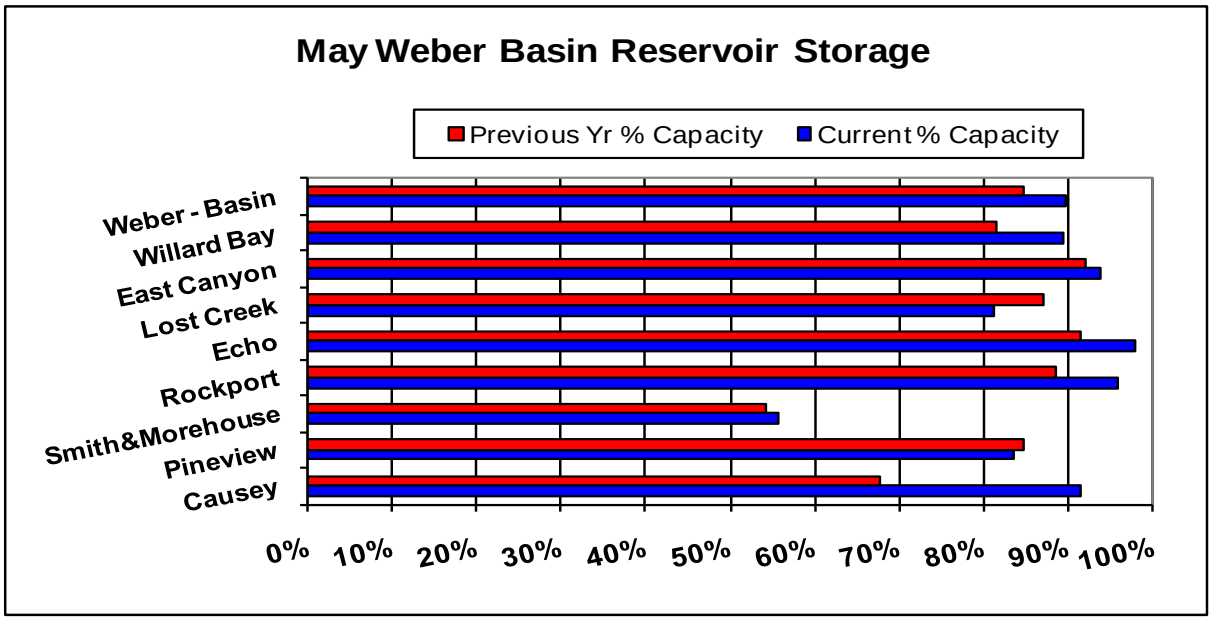
Weber and Ogden River Basins
May 1, 2010

Snowpacks on the Weber and Ogden Watersheds are below average at 73%, about 67% of last year. Individual sites range from no snow to 107% of average at Smith and Morehouse. April precipitation was much above average at 146% bringing the seasonal accumulation (Oct-April) to 77% of average. Soil moisture levels in runoff producing areas are at 68% of saturation in the upper 2 feet of soil compared to 74% last year. Streamflow forecasts (May-July) range from 31% to 74% of average. Reservoir storage is at 90% of capacity, 5% higher than last year. The Surface Water Supply Index is at 17% for the Weber River and 35% for the Ogden River indicating that overall water supply conditions are below average.







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

WEBER & OGDEN WATERSHEDS in Utah
Streamflow Forecasts - May 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	21	23	25	74	27	29	34
	MAY-JUL	18.9	21	23	74	25	27	31
Weber R nr Oakley, UT	APR-JUL	66	79	87	71	95	108	123
	MAY-JUL	58	71	80	71	89	102	113
Rockport Reservoir	APR-JUL	70	86	97	72	108	124	134
	MAY-JUL	60	75	85	71	95	110	120
Weber R nr Coalville	APR-JUL	57	76	89	65	102	121	137
	MAY-JUL	47	64	75	66	86	103	114
Chalk Ck at Coalville, UT	APR-JUL	11.8	23	31	69	39	50	45
	MAY-JUL	7.5	18.5	26	70	33	44	37
Echo Resv Inflow	APR-JUL	49	89	116	65	143	183	179
	MAY-JUL	36	71	95	63	119	154	152
Lost Ck Resv Inflow	APR-JUL	0.3	2.1	4.5	26	7.5	12.0	17.6
	MAY-JUL	0.1	1.4	4.0	31	6.6	10.5	12.9
East Canyon Ck Nr Jeremy Ranch	APR-JUL	0.1	3.3	11.7	82	17.3	22	14.2
	MAY-JUL	0.19	3.00	6.50	69	9.60	13.50	9.40
East Canyon Ck Nr Morgan, Ut	APR-JUL	12.1	18.0	22	71	26	32	31
	MAY-JUL	8.6	13.0	16.0	73	19.0	23	22
Weber R at Gateway, UT	APR-JUL	70	159	220	62	280	370	355
	MAY-JUL	50	122	170	62	220	290	273
SF Ogden R nr Huntsville, UT	APR-JUL	17.7	26	31	48	36	44	64
	MAY-JUL	12.2	18.6	23	49	27	34	47
Pineview Resv Inflow	APR-JUL	3.0	25	45	34	65	96	133
	MAY-JUL	1.6	24	40	45	56	78	89
Wheeler Ck nr Huntsville, UT	APR-JUL	1.63	2.70	3.50	56	4.30	5.40	6.30
	MAY-JUL	0.13	1.07	2.00	47	2.90	4.30	4.30
Centerville Ck	APR-JUL	0.52	0.69	0.80	63	0.91	1.08	1.28
	APR-JUL	0.52	0.69	0.80	63	0.91	1.08	1.28

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

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
CAUSEY	7.1	6.5	4.8	4.0
EAST CANYON	49.5	46.4	45.6	40.5
ECHO	73.9	72.3	67.6	52.9
LOST CREEK	22.5	18.3	19.6	15.6
PINEVIEW	110.1	92.0	93.3	77.7
ROCKPORT	60.9	58.3	53.9	38.6
WILLARD BAY	215.0	192.1	175.1	168.0

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

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
OGDEN RIVER	4	54	57
WEBER RIVER	9	71	82
WEBER & OGDEN WATERSHEDS	13	65	73

* 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

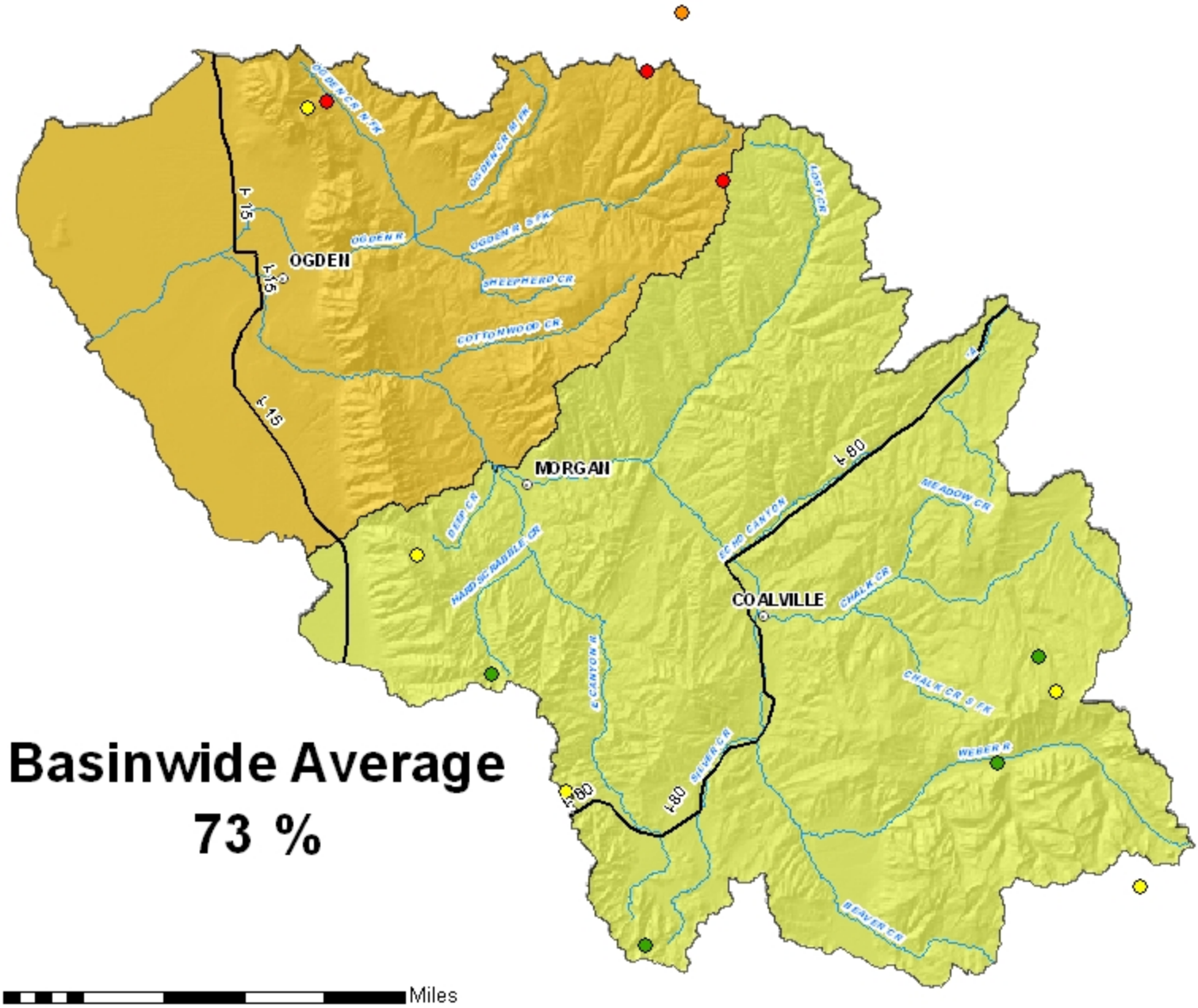
Watershed % of Average

- 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%

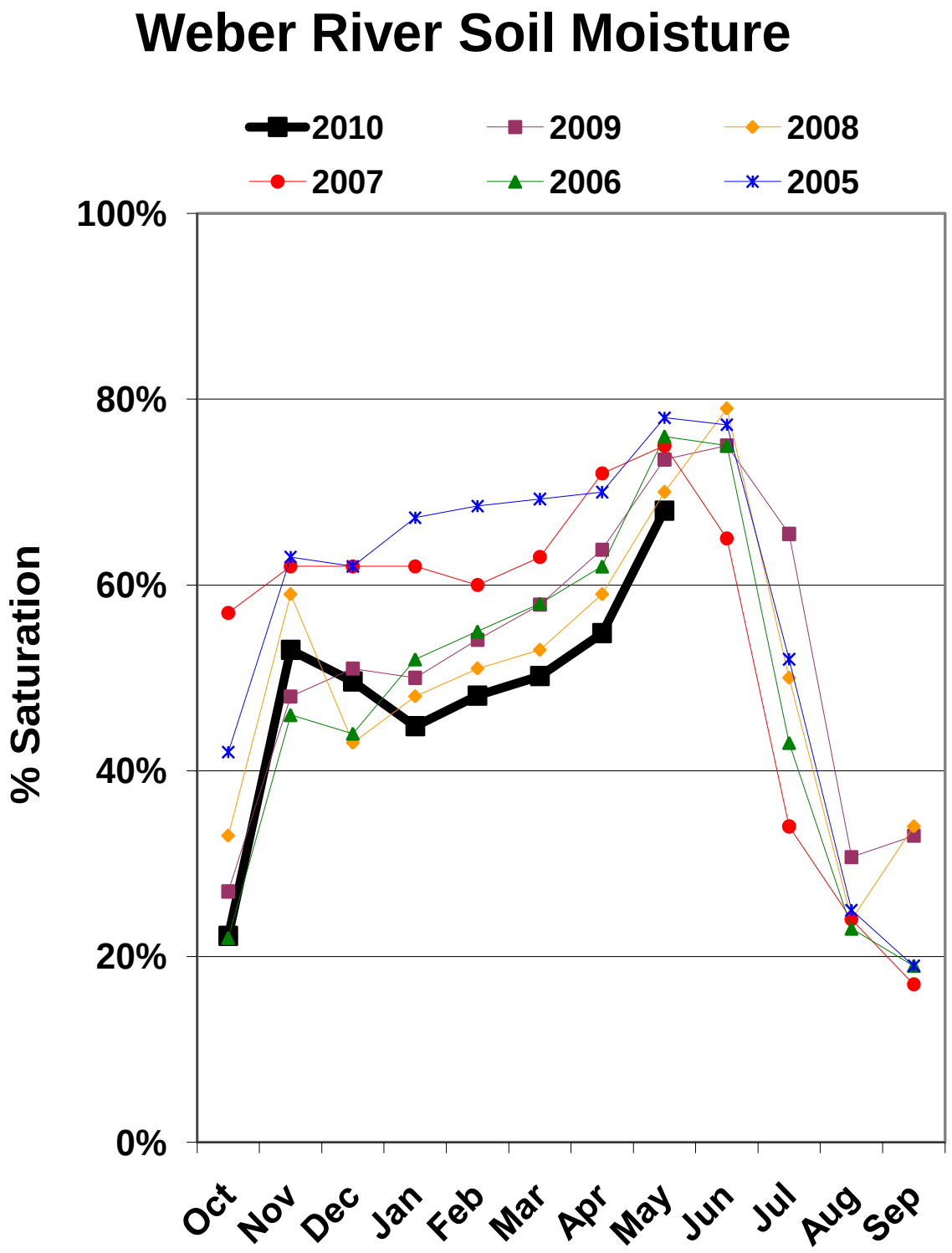
N



Basinwide Average
73 %

0 2.5 5 10 15 20 25 Miles

Provisional Data
Subject to Revision

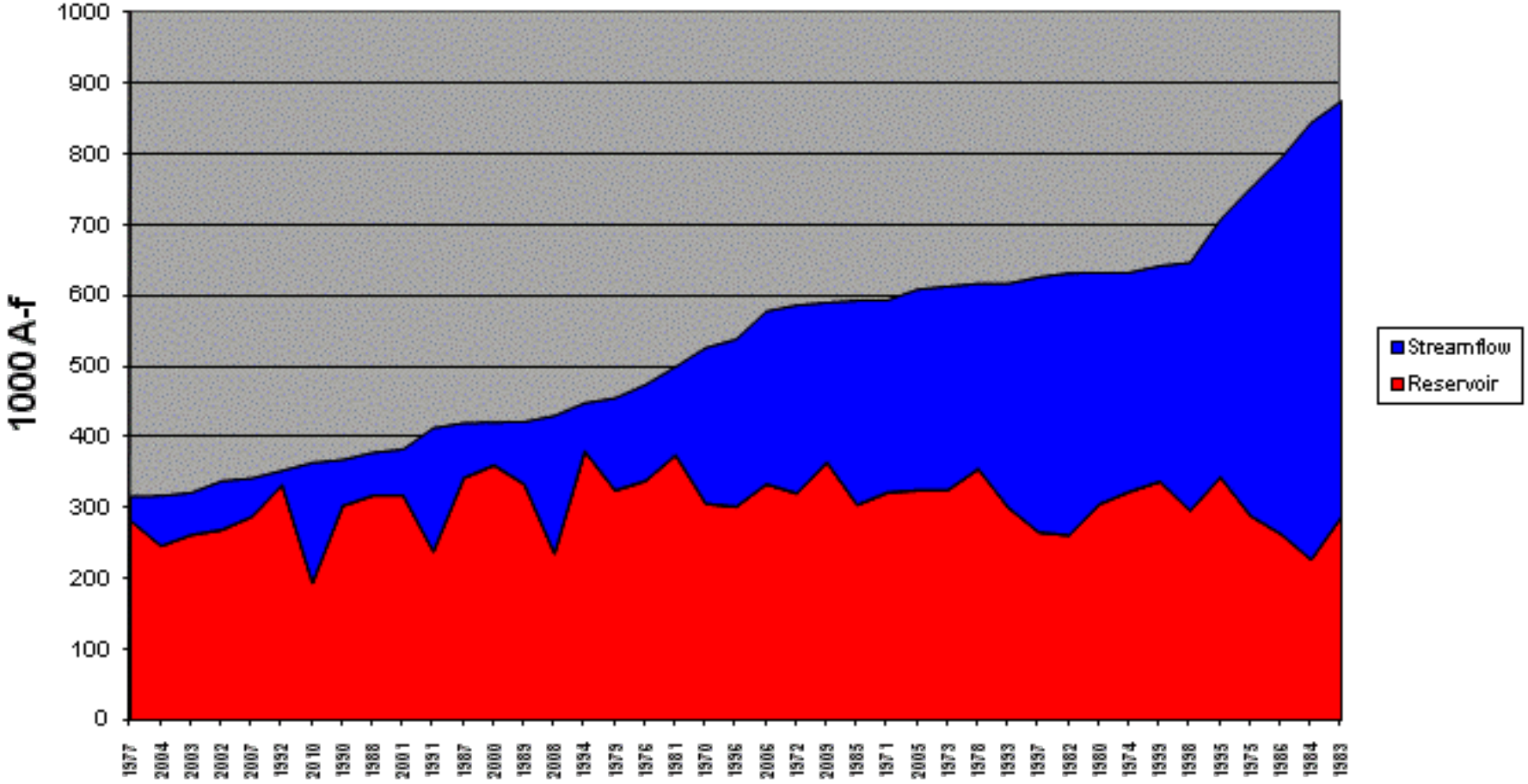


Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content.

Weber SWSI						
May 1						
#	Year	EOM April Reservoir KAF	May-Jul Streamflow KAF	Reservoir + Streamflow KAF	Probability	SWSI
1	1977	283	34	318	2	-3.97
2	2004	248	71	318	5	-3.77
3	2003	263	59	323	7	-3.57
4	2002	270	69	339	10	-3.37
5	2007	289	54	343	12	-3.17
6	1992	334	20	354	14	-2.98
7	**2010**	**195**	**170**	**365**	**17**	**-2.78**
8	1990	305	65	369	19	-2.58
9	1988	319	60	380	21	-2.38
10	2001	319	65	384	24	-2.18
11	1991	240	175	415	26	-1.98
12	1987	344	77	421	29	-1.79
13	2000	362	60	423	31	-1.59
14	1989	335	88	423	33	-1.39
15	2008	237	195	432	36	-1.19
16	1994	382	68	450	38	-0.99
17	1979	326	130	457	40	-0.79
18	1976	340	136	475	43	-0.60
19	1981	376	125	501	45	-0.40
20	1970	308	220	528	48	-0.20
21	1996	303	236	540	50	0.00
22	2006	335	244	579	52	0.20
23	1972	322	266	588	55	0.40
24	2009	366	226	592	57	0.60
25	1985	306	289	595	60	0.79
26	1971	323	272	595	62	0.99
27	2005	327	284	610	64	1.19
28	1973	327	288	615	67	1.39
29	1978	357	262	619	69	1.59
30	1993	302	317	619	71	1.79
31	1997	267	361	628	74	1.98
32	1982	263	371	634	76	2.18
33	1980	307	327	634	79	2.38
34	1974	325	310	634	81	2.58
35	1999	339	305	644	83	2.78
36	1998	298	351	648	86	2.98
37	1995	345	364	709	88	3.17
38	1975	290	464	754	90	3.37
39	1986	265	532	796	93	3.57
40	1984	228	618	846	95	3.77
41	1983	289	588	877	98	3.97

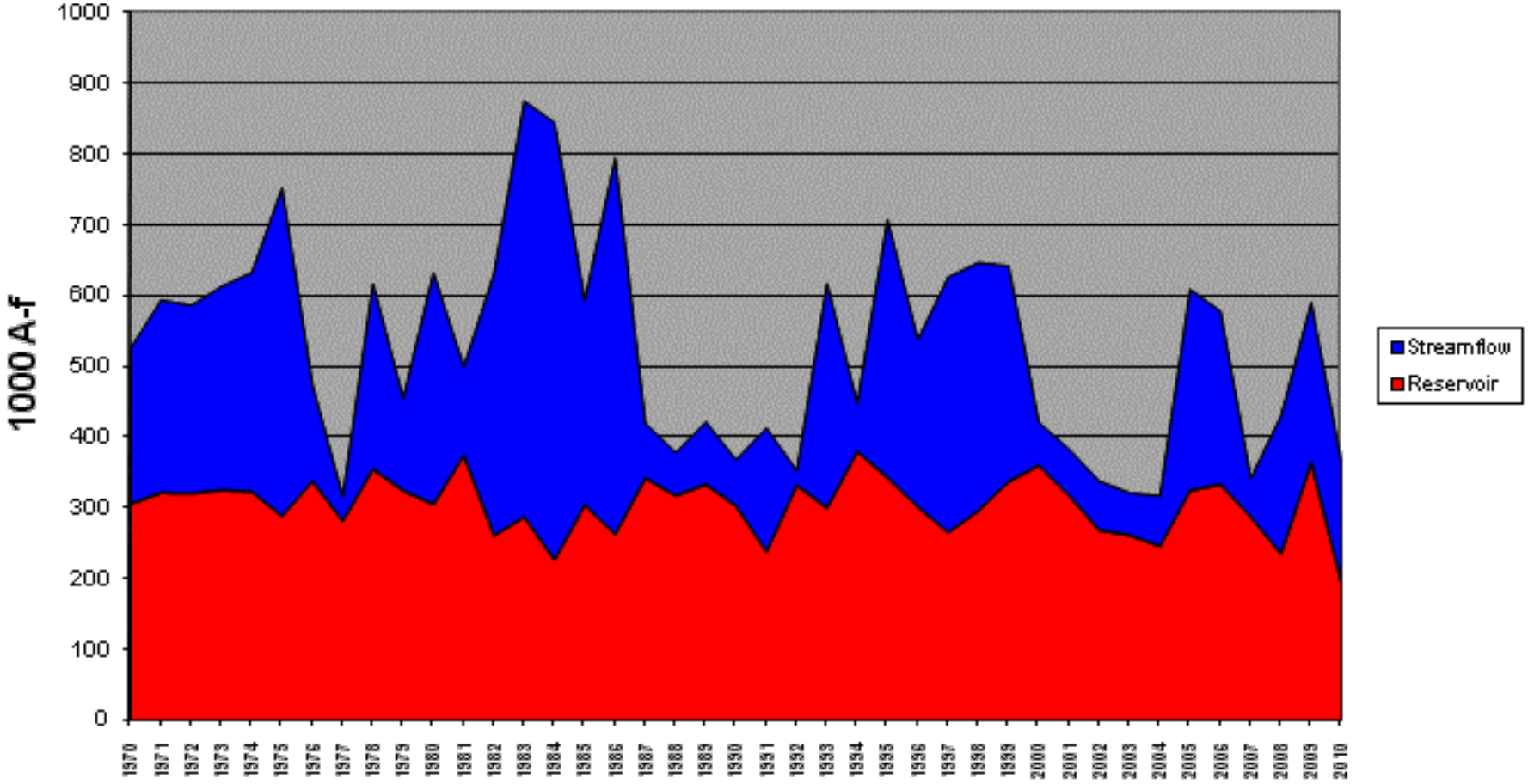
Weber River Surface Water Supply Index

May



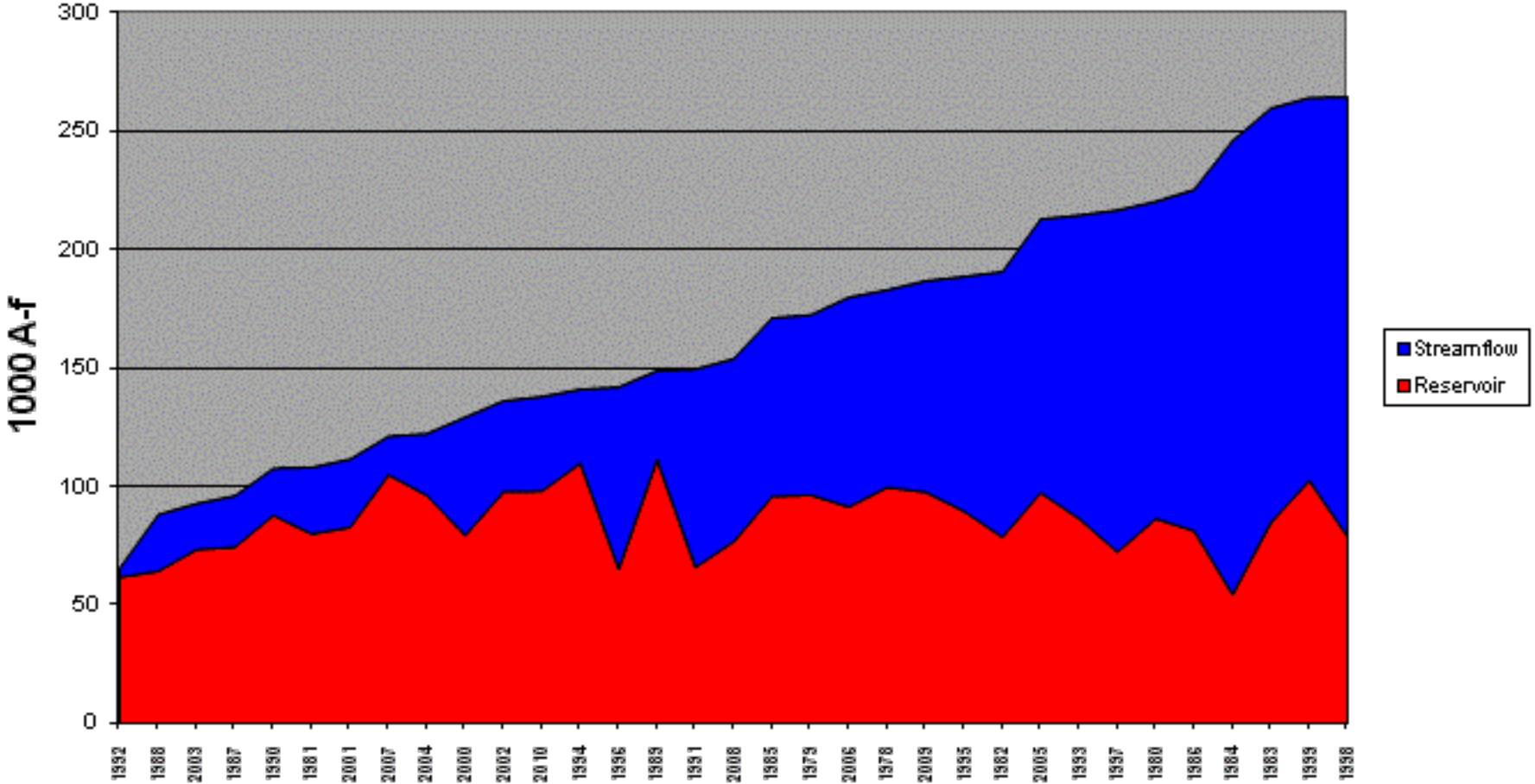
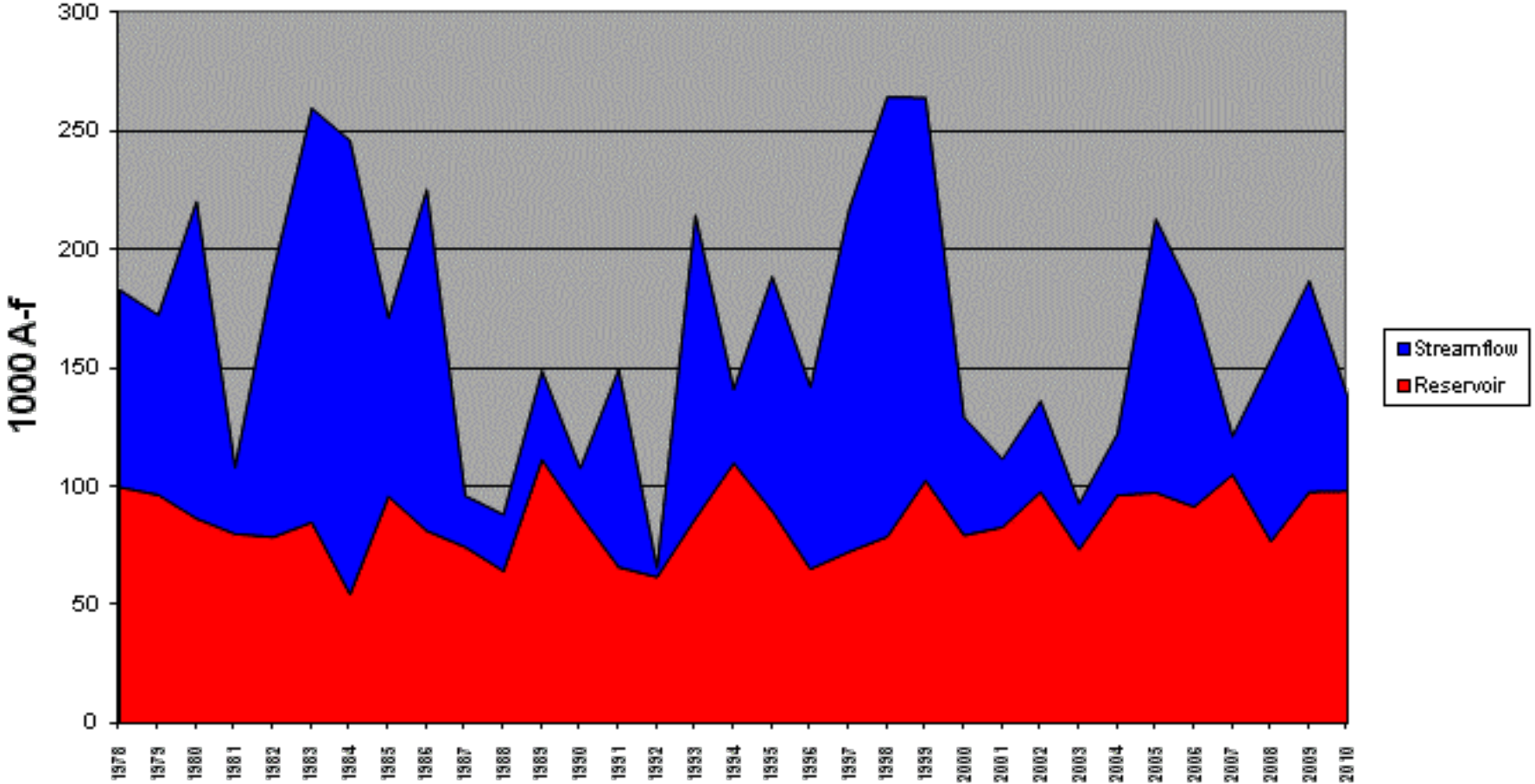
Weber River Surface Water Supply Index

May



Ogden SWSI						
May 1						
#	Year	EOM April Reservoir KAF	May-Jul Streamflow KAF	Reservoir + Streamflow KAF	Probability	SWSI
1	1992	62	4	66	3	-3.92
2	1988	65	24	89	6	-3.68
3	2003	74	19	93	9	-3.43
4	1987	75	22	97	12	-3.19
5	1990	88	20	108	15	-2.94
6	1981	80	28	109	18	-2.70
7	2001	83	29	112	21	-2.45
8	2007	105	16	122	24	-2.21
9	2004	97	26	123	26	-1.96
10	2000	80	50	130	29	-1.72
11	2002	98	38	137	32	-1.47
12	**2010**	**99**	**40**	**139**	**35**	**-1.23**
13	1994	110	31	141	38	-0.98
14	1996	66	77	142	41	-0.74
15	1989	112	38	149	44	-0.49
16	1991	66	84	150	47	-0.25
17	2008	77	77	154	50	0.00
18	1985	96	76	172	53	0.25
19	1979	97	76	173	56	0.49
20	2006	92	89	181	59	0.74
21	1978	100	83	184	62	0.98
22	2009	98	89	187	65	1.23
23	1995	90	99	189	68	1.47
24	1982	79	112	191	71	1.72
25	2005	98	116	214	74	1.96
26	1993	87	128	215	76	2.21
27	1997	73	145	217	79	2.45
28	1980	87	134	221	82	2.70
29	1986	82	144	226	85	2.94
30	1984	55	192	247	88	3.19
31	1983	85	175	260	91	3.43
32	1999	103	162	265	94	3.68
33	1998	79	186	265	97	3.92

Ogden
Surface Water Supply Index
May



Ogden
Surface Water Supply Index
May