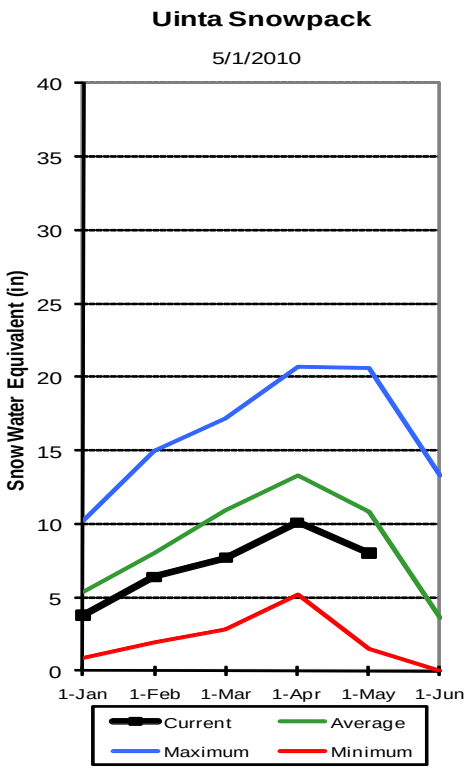
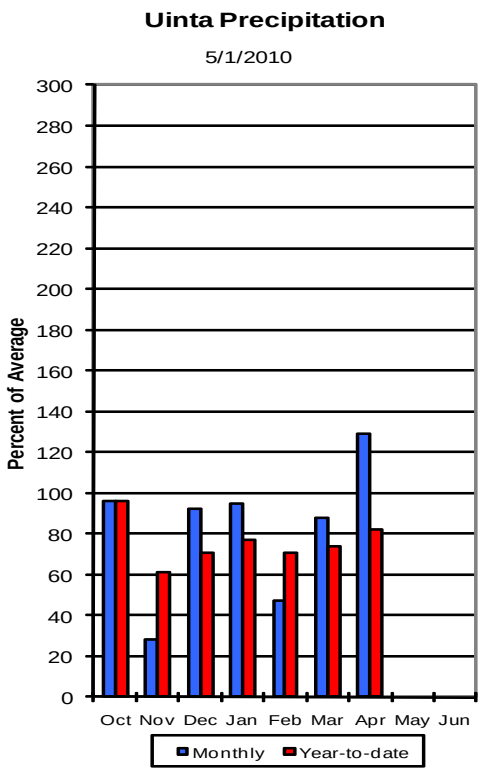
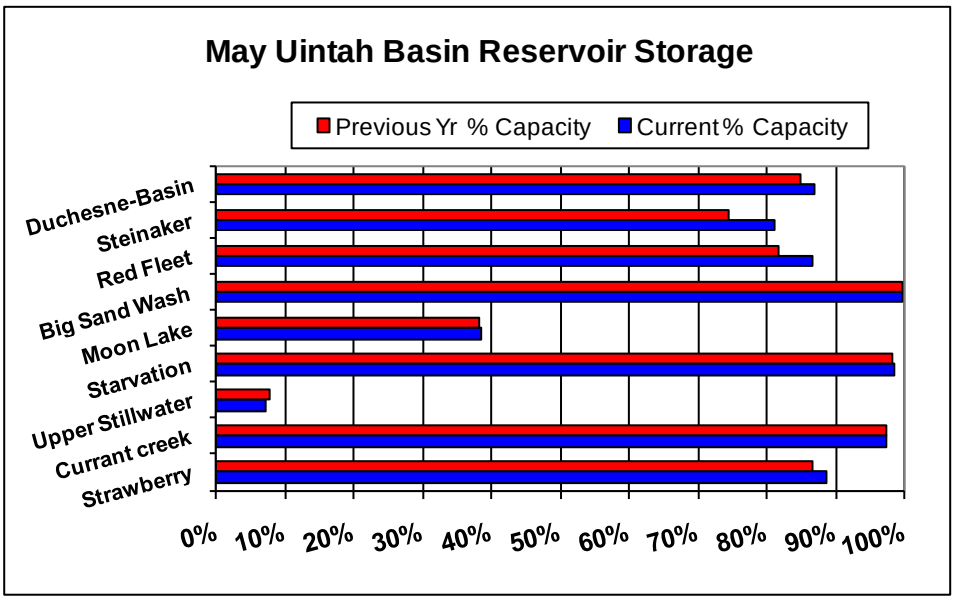
Uintah Basin and Dagget SCD's
May 1, 2010

Snowpack across the Uintas is below average at 74%, which is 98% of last year. Individual sites on the North Slope range from 53% to 100% and on the South Slope range from 0% to 110% of average. Precipitation during April was below average at 129% bringing the seasonal accumulation (Oct-Apr) to 82%. Soil moisture values in runoff producing areas are at 55% of saturation in the upper 2 feet of soil compared to 75% last year. Reservoir storage is at 87% of capacity, 2% more than last year. Streamflow forecasts (May-July) range from 39% to 80% of average. The Surface Water Supply Index for the western area is 39% and for the eastern area it is 44% indicating below normal conditions on the west side and near normal for the eastern area. General water supply conditions range from much below to below average.







UINTAH BASIN & DAGGET SCD'S
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)
Blacks Fork nr Robertson	APR-JUL	53	64	72	76	80	94	95
	MAY-JUL	49	60	68	74	76	90	92
EF of Smiths Fork nr Robertson (2)	APR-JUL	16.3	20	23	79	26	31	29
	MAY-JUL	15.2	19.1	22	79	25	30	28
Flaming Gorge Reservoir Inflow (2)	APR-JUL	310	425	515	43	615	785	1190
	MAY-JUL	215	330	420	41	520	690	1035
Big Brush Ck abv Red Fleet Resv	APR-JUL	12.7	15.1	16.9	81	18.8	22	21
	MAY-JUL	10.8	13.2	15.0	80	17.0	20	18.8
Ashley Creek nr Vernal	APR-JUL	31	37	41	79	45	52	52
	MAY-JUL	29	35	39	78	43	50	50
Duchesne R nr Tabiona (2)	APR-JUL	46	58	68	65	78	95	105
	MAY-JUL	39	51	61	64	71	88	96
Upper Stillwater Reservoir Inflow	APR-JUL	47	54	58	71	63	70	82
	MAY-JUL	44	51	55	70	60	67	79
Rock Ck nr Mountain Home (2)	APR-JUL	52	60	65	73	71	79	89
	MAY-JUL	48	56	61	72	67	75	85
Duchesne R abv Knight Diversion (2)	APR-JUL	93	111	125	67	140	162	188
	MAY-JUL	81	99	113	65	128	150	173
Strawberry R nr Soldier Springs (2)	APR-JUL	20	27	33	56	39	49	59
	MAY-JUL	12.7	19.5	25	54	31	41	46
Currant Creek Reservoir Inflow (2)	APR-JUL	7.8	11.2	14.0	56	17.1	23	25
	MAY-JUL	5.9	9.3	12.1	55	15.2	21	22
Strawberry R nr Duchesne (2)	APR-JUL	41	55	67	55	80	102	121
	MAY-JUL	28	42	54	50	67	89	108
Lake Fork River Moon Lake Inflow	APR-JUL	38	46	50	74	54	62	68
	MAY-JUL	37	44	48	74	53	60	65
Yellowstone River nr Altonah	APR-JUL	36	42	46	74	51	58	62
	MAY-JUL	33	39	43	73	48	55	59
Duchesne R at Myton (2)	APR-JUL	76	102	122	47	144	182	260
	MAY-JUL	56	82	102	44	125	162	230
Uintah River nr Neola	APR-JUL	44	53	59	75	66	77	79
	MAY-JUL	41	50	56	73	63	74	77
Whiterocks nr Whiterocks	APR-JUL	29	35	40	71	45	53	56
	MAY-JUL	27	33	38	72	43	51	53
Duchesne R nr Randlett (2)	APR-JUL	60	99	133	41	173	240	324
	MAY-JUL	39	78	112	39	152	220	289

UINTAH BASIN & DAGGET SCD'S
Reservoir Storage (1000 AF) - End of April

Reservoir	Usable Capacity	*** Usable Storage *** This Year	Last Year	Avg
FLAMING GORGE	3749.0	3220.0	3022.0	2952.0
MOON LAKE	49.5	13.8	13.7	30.8
RED FLEET	25.7	22.3	21.0	19.9
STEINAKER	33.4	27.1	24.9	25.0
STARVATION	165.3	162.9	162.5	139.7
STRAWBERRY-ENLARGED	1105.9	980.4	958.9	663.7

UINTAH BASIN & DAGGET SCD'S
Watershed Snowpack Analysis - May 1, 2010

Watershed	Number of Data Sites	This Year as % of Last Yr	Average
UPPER GREEN RIVER in UTAH	6	111	82
ASHLEY CREEK	2	112	69
BLACK'S FORK RIVER	2	114	89
SHEEP CREEK	1	133	100
DUCHESNE RIVER	11	93	71
LAKE FORK-YELLOWSTONE CRE	4	94	80
STRAWBERRY RIVER	4	86	44
UINTAH-WHITEROCKS RIVERS	2	95	83
UINTAH BASIN & DAGGET SCD	17	98	74

* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table. The average is computed for the 1971-2000 base period.
(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.
(3) - Median value used in place of average.

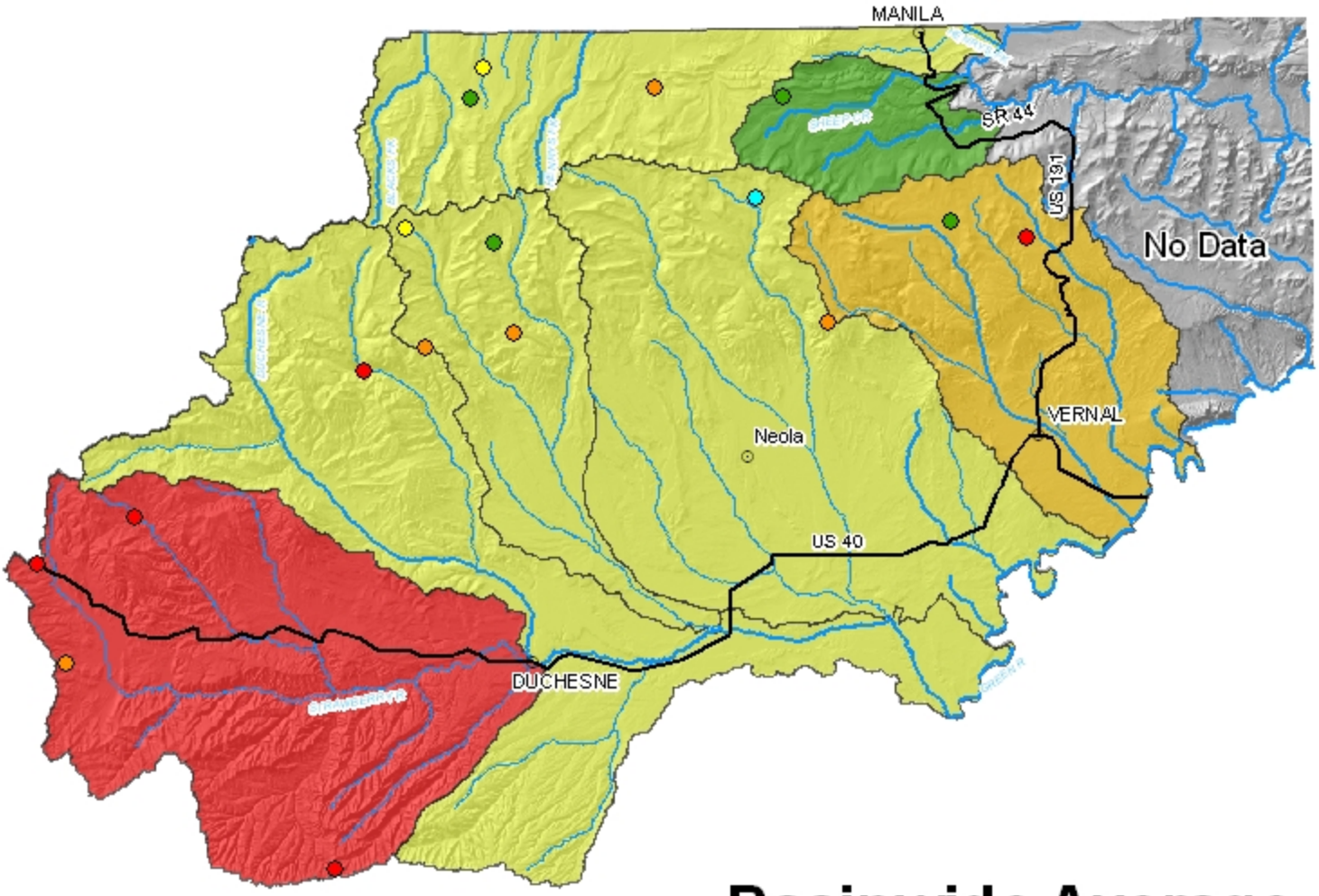
Uintah Basin & Dagget SCD's

Watershed % of Average

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

Snotel % of Average

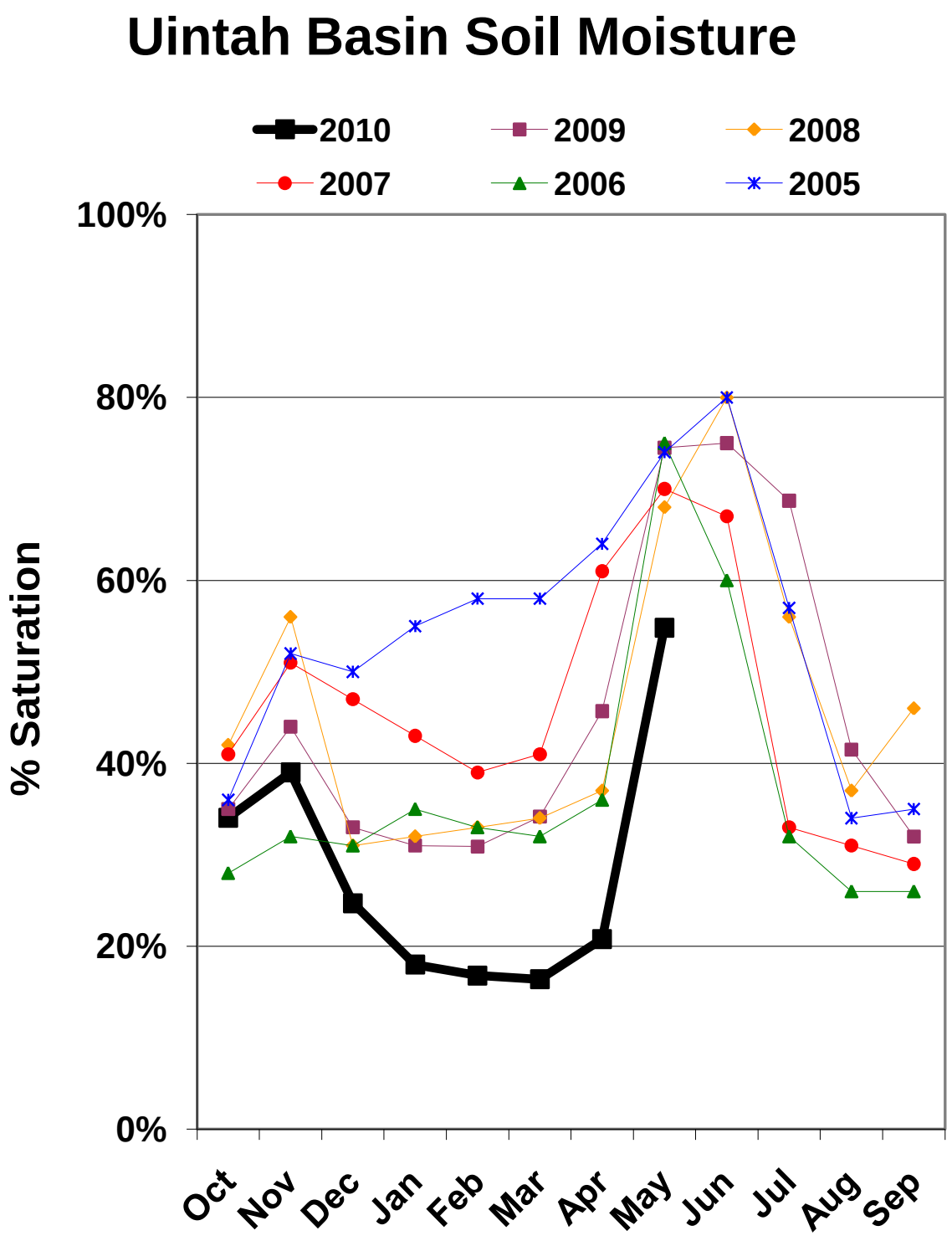
- < 50%
- 50 - 69%
- 70 - 89%
- 90 - 109%
- 110 - 129%
- 130 - 149%
- > 150%



Basinwide Average
74 %

Provisional Data
Subject to Revision

0 5 10 20 30 40 50 Miles



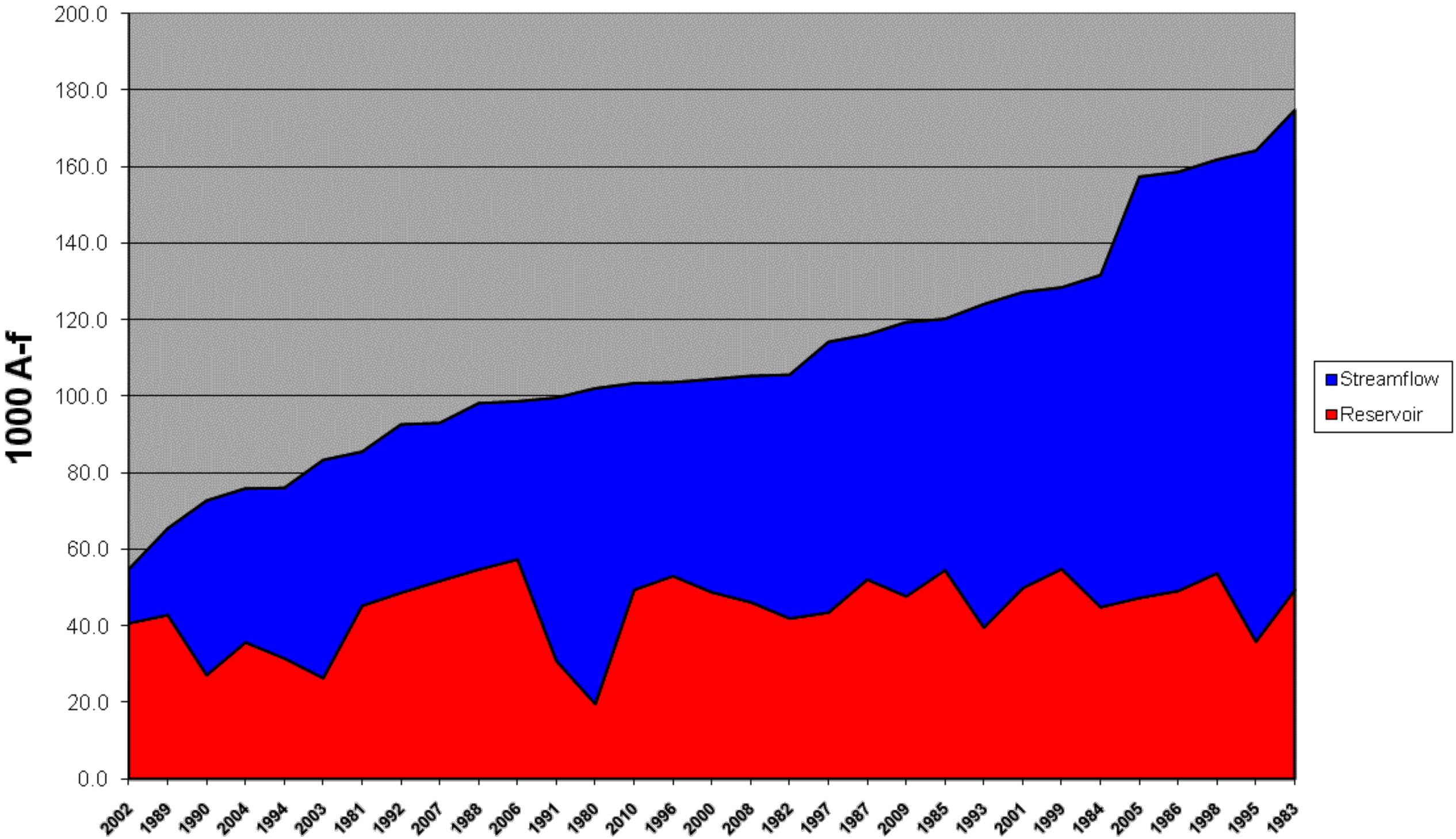
Percent saturation is calculated using the weighted average of volumetric soil moisture content at 2, 8, and 20-inch depths. Saturation is estimated as 40% volumetric water content.

EASTERN UINTA BASIN SWSI

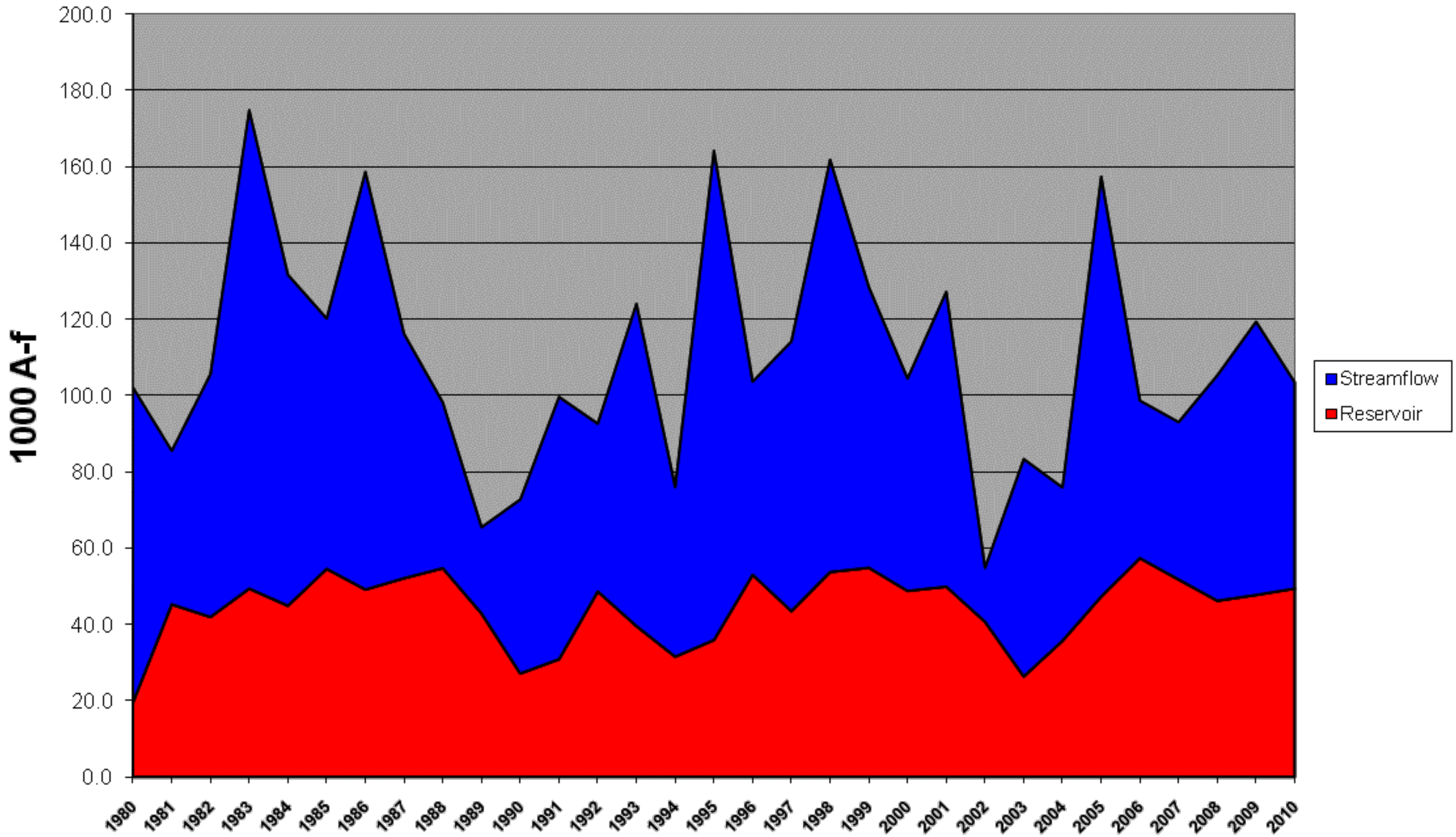
May 1, 2010 **# of years** **31**

#	Year	EOM April Reservoir KAF	May-Jul Streamflow KAF	Reservoir + Streamflow KAF	Probability	SWSI
1	2002	40.7	14.1	54.8	3	-3.91
2	1989	42.8	22.6	65.5	6	-3.65
3	1990	27.1	45.6	72.7	9	-3.39
4	2004	35.7	40.2	75.9	13	-3.13
5	1994	31.5	44.5	76.0	16	-2.86
6	2003	26.3	57.0	83.4	19	-2.60
7	1981	45.2	40.3	85.5	22	-2.34
8	1992	48.6	44.0	92.6	25	-2.08
9	2007	51.7	41.3	93.0	28	-1.82
10	1988	54.7	43.5	98.2	31	-1.56
11	2006	57.4	41.3	98.7	34	-1.30
12	1991	30.9	68.8	99.6	38	-1.04
13	1980	19.6	82.5	102.1	41	-0.78
14	**2010**	**49.4**	**54.0**	**103.4**	**44**	**-0.52**
15	1996	53.0	50.6	103.6	47	-0.26
16	2000	48.8	55.7	104.5	50	0.00
17	2008	46.2	59.1	105.3	53	0.26
18	1982	41.9	63.7	105.6	56	0.52
19	1997	43.5	70.7	114.2	59	0.78
20	1987	52.1	64.0	116.1	63	1.04
21	2009	47.7	71.6	119.4	66	1.30
22	1985	54.6	65.6	120.2	69	1.56
23	1993	39.5	84.5	124.1	72	1.82
24	2001	49.9	77.3	127.2	75	2.08
25	1999	54.8	73.6	128.4	78	2.34
26	1984	44.9	86.8	131.7	81	2.60
27	2005	47.3	110.1	157.4	84	2.86
28	1986	49.1	109.5	158.6	88	3.13
29	1998	53.7	108.1	161.8	91	3.39
30	1995	35.9	128.3	164.2	94	3.65
31	1983	49.4	125.4	174.8	97	3.91

Eastern Uintah Basin Surface Water Supply Index
May



Eastern Uintah Basin Surface Water Supply Index
May

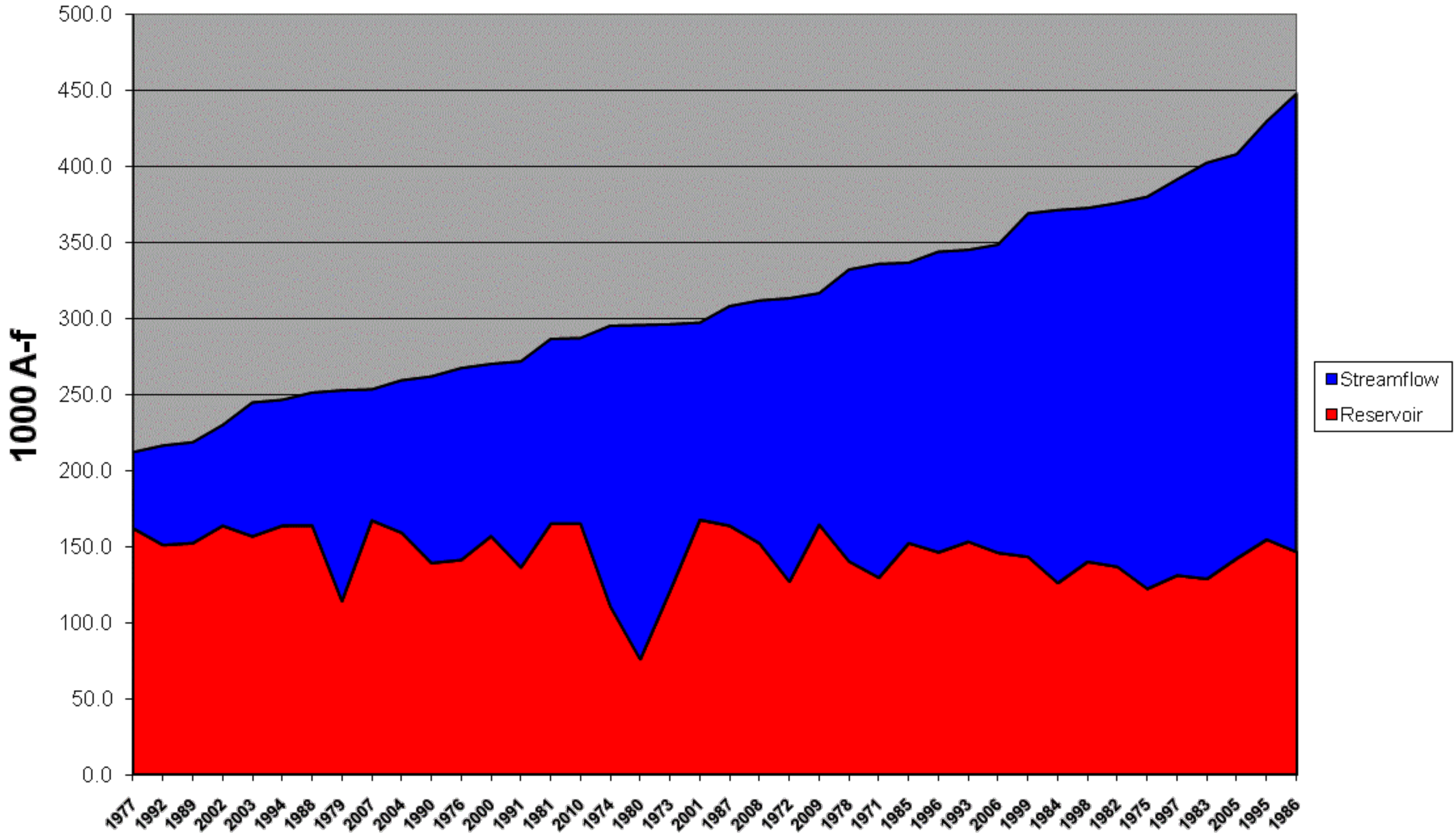
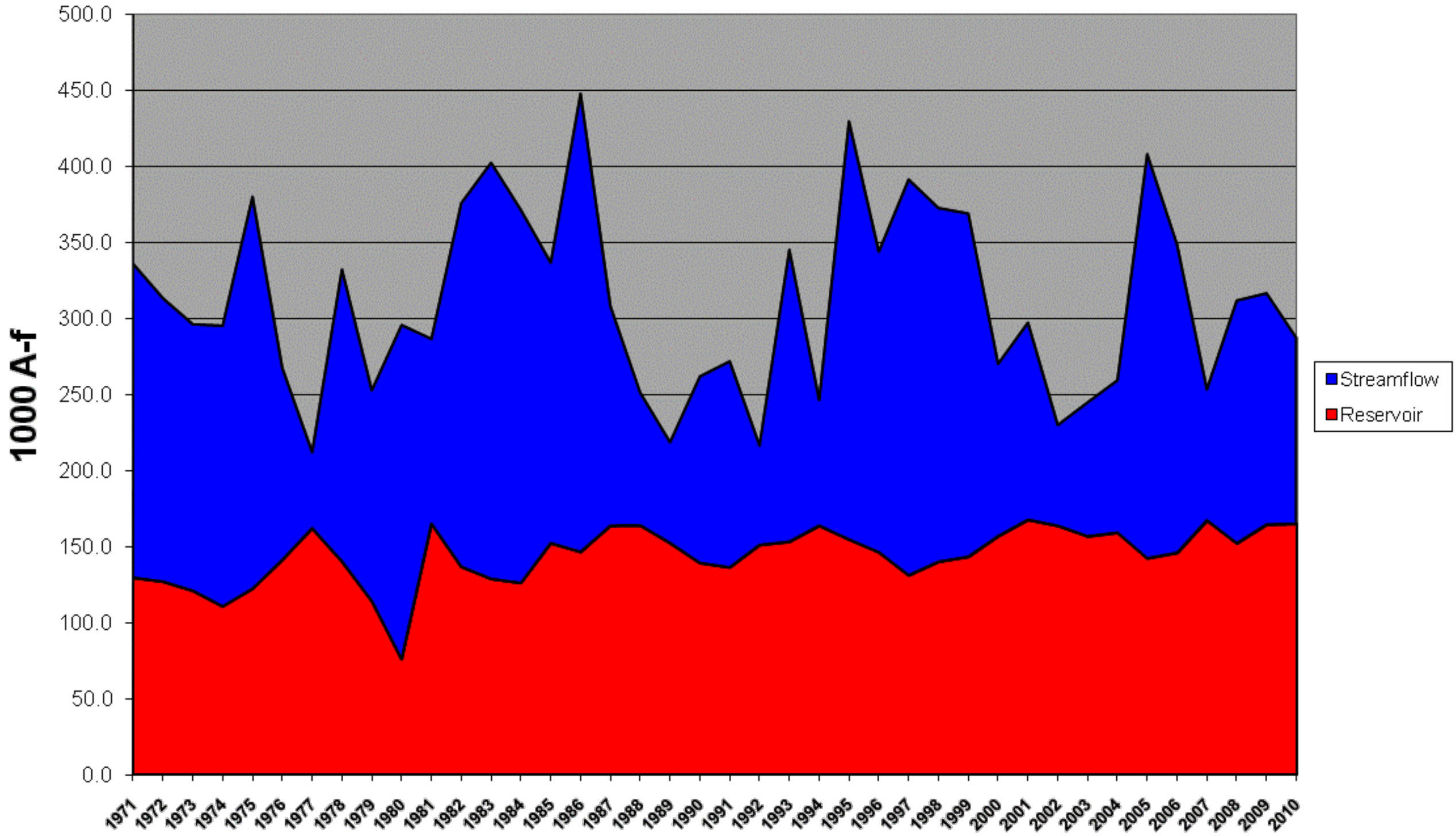


WESTERN UINTA BASIN SWSI

May 1, 2010 **# of years** **40**

#	Year	EOM April Reservoir KAF	May-Jul Streamflow KAF	Reservoir + Streamflow KAF	Probability	SWSI
1	1977	162.2	50.0	212.2	2	-3.96
2	1992	151.2	65.3	216.5	5	-3.76
3	1989	152.5	66.2	218.7	7	-3.56
4	2002	163.8	66.2	230.0	10	-3.35
5	2003	156.9	87.9	244.8	12	-3.15
6	1994	163.9	82.7	246.6	15	-2.95
7	1988	164.1	87.2	251.3	17	-2.74
8	1979	114.3	138.5	252.8	20	-2.54
9	2007	167.4	86.1	253.4	22	-2.34
10	2004	159.3	100.1	259.4	24	-2.13
11	1990	139.4	122.6	261.9	27	-1.93
12	1976	141.4	126.0	267.4	29	-1.73
13	2000	157.0	113.1	270.2	32	-1.52
14	1991	136.4	135.4	271.8	34	-1.32
15	1981	165.2	121.4	286.6	37	-1.12
16	**2010**	**165.2**	**122.0**	**287.2**	**39**	**-0.91**
17	1974	110.8	184.5	295.3	41	-0.71
18	1980	76.0	219.7	295.7	44	-0.51
19	1973	121.1	175.1	296.2	46	-0.30
20	2001	167.8	129.5	297.3	49	-0.10
21	1987	163.9	144.3	308.2	51	0.10
22	2008	152.3	159.5	311.8	54	0.30
23	1972	127.1	186.2	313.3	56	0.51
24	2009	164.6	152.0	316.6	59	0.71
25	1978	140.4	191.8	332.2	61	0.91
26	1971	129.7	206.2	335.9	63	1.12
27	1985	152.4	184.2	336.7	66	1.32
28	1996	146.4	197.5	343.9	68	1.52
29	1993	153.3	191.8	345.1	71	1.73
30	2006	146.0	202.5	348.6	73	1.93
31	1999	143.5	225.6	369.0	76	2.13
32	1984	126.2	245.1	371.3	78	2.34
33	1998	140.2	232.4	372.6	80	2.54
34	1982	136.9	239.0	375.8	83	2.74
35	1975	122.4	257.6	380.0	85	2.95
36	1997	131.2	260.2	391.4	88	3.15
37	1983	128.9	273.4	402.4	90	3.35
38	2005	142.4	265.5	407.9	93	3.56
39	1995	154.8	274.7	429.5	95	3.76
40	1986	146.6	301.1	447.7	98	3.96

Western Uintah Basin Surface Water Supply Index
May



Western Uintah Basin Surface Water Supply Index
May