

Table 1, Appendix B  
SRV Model Domain Conceptual Water Budget (1983-2006)

Conceptual Inflow (Acre-Feet)		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Underflow		31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800	31,800
	Hassayampa	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
	Lake Pleasant	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
	Sacaton Gap	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500
	Florence Gap	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800	3,800
	South Hassayampa	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Recharge		1,835,800	1,289,800	1,447,600	1,180,870	1,163,900	1,175,800	1,097,900	1,108,500	1,171,400	1,286,300	1,913,400	928,400	1,153,942	897,700	851,300	866,600	796,900	812,400	797,500	805,700	871,400	942,300	1,078,000	886,800
	Agricultural	705,800	707,700	705,200	760,600	754,600	769,400	728,000	739,500	743,300	547,500	516,800	511,500	508,400	490,500	459,700	425,300	420,100	409,100	393,800	385,700	460,300	438,100	425,700	425,700
	Urban	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800	32,800
	Turf	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700	19,700
	Canal	181,200	188,200	195,600	151,400	139,100	144,500	126,000	126,000	127,900	148,500	134,900	155,500	152,700	149,300	135,700	118,800	107,600	113,900	116,900	116,900	71,800	88,700	88,700	88,700
	Artificial Lake	6,500	10,700	12,500	12,470	12,400	13,100	13,100	13,100	13,200	13,200	13,200	13,200	13,200	13,200	13,200	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600	13,600
	Effluent										1,800	2,200	18,400	8,420	10,400	10,700	7,200	16,400	22,800	29,400	29,400	25,100	25,000	26,200	25,000
	WWTP Release (23rd & 91st Aves)	144,800	144,800	144,800	144,800	144,800	144,800	144,800	144,800	144,800	144,800	144,800	136,300	144,800	144,800	144,800	144,800	144,800	144,800	144,800	144,800	144,800	186,500	156,600	143,400
	Non-Effluent										200	200	200	500	1,000	1,200	1,600	3,800	6,000	10,500	28,500	67,000	67,000	64,200	67,000
	Ephemeral (Long Term Avg.)	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300
	Flood Flow - Salt River	417,000	64,600	184,900	8,200	27,900	18,900	900		27,800	184,500	373,400		192,522			60,600					34,600	159,800	34,600	34,600
	Flood Flow - Gila River	222,000	88,700	119,500	18,300					29,300	126,300	459,300	7,500	48,300	3,400	900	5,500	500	16,100	800			53,000		
	Flood Flow - Indian Bend Wash										19,000		700				4,100	5,000	1,000	2,600	1,700	3,700	3,700	5,100	3,700
	Flood Flow - Queen Creek											55,300													
	Flood Flow - Aqua Fria	73,400										91,900													
	Flood Flow - Cave Creek										15,600	36,300													
	Mountain Front	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300	16,300
Conceptual Outflow (Acre-Feet)		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Underflow		36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700	36,700
	Pinal	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200	29,200
	Gila River	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500
Pumpage		796,000	1,329,000	1,011,000	980,000	927,000	969,500	1,002,200	1,212,400	901,400	618,600	671,100	881,200	822,800	963,500	937,700	737,900	973,200	972,000	834,700	968,500	1,059,600	971,300	736,500	752,800
Evapotranspiration		48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	48,000	44,000	40,000	35,000	35,000	30,000	30,000	25,000	25,000	25,000	25,000	25,000	30,000	30,000
		1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Net Water Budget (Acre-Feet)		986,900	-92,100	383,700	147,970	184,000	153,400	42,800	-156,800	217,100	614,800	1,189,400	-1,700	286,242	-105,700	-126,300	93,800	-211,200	-189,500	-67,100	-192,700	-218,100	-58,900	306,600	99,100
Cumulative Change in Storage (Acre-Feet)		986,900	894,800	1,278,500	1,426,470	1,610,470	1,763,870	1,806,670	1,649,870	1,866,970	2,481,769	3,671,169	3,669,468	3,955,710	3,850,010	3,723,709	3,817,509	3,606,309	3,416,809	3,349,709	3,157,009	2,938,909	2,880,009	3,186,609	3,285,709

- Notes:
- 1) Values are rounded to the nearest 100
  - 2) Canal recharge is the sum of 1) SCIP canal recharge + Non-SCIP canal recharge + CAP aqueduct recharge, in that order
  - 3) CAP canal recharge does not start until 1986
  - 4) Artificial recharge includes both effluent and non-effluent (CAP) water recharged at USF sites.
  - 5.) An unknown volume of WWTP recharge infiltrates into the aquifer as a result of some of the water flowing through the system as surfacewater