

GMA-12 Water Budget 1980-1999 (Hutchinson) and 2010-2060 (DFC Files)

Component	Hutchinson (AF/yr)			GMA-12 DFC 2010-2060 (AF/yr)					
	1980	1990	1999/2000	2010	2020	2030	2040	2050	2060
INFLOWS									
Recharge from Precipitation	250,000	325,000	175,000	266,000	266,000	266,000	266,000	266,000	266,000
Cross-formational flow	-700	2,700	4,200	13,900	15,700	18,600	19,900	21,300	22,100
Reservoir Leakage									
Stream Leakage				26,700	28,800	31,800	34,200	36,600	39,300
TOTAL INFLOW	249,300	327,700	179,200	306,600	310,500	316,400	320,100	323,900	327,400
TOTAL INCREASED INFLOW		78,400	-148,500	127,400	3,900	5,900	3,700	3,800	3,500
OUTFLOWS									
Pumping	49,000	75,000	113,000	215,000	233,000	249,000	259,000	277,000	285,000
Surface Water (Stream leakage)	225,000	130,000	100,000	132,000	122,000	114,000	107,000	103,000	99,400
<i>Colorado River Basin (MODFLOW 2)</i>		27,300	5,410	13,400	10,700	6,970	3,960	1,360	-6,330
<i>Colorado River (MODFLOW 2)</i>		19,900	7,640	9,650	7,770	5,080	2,820	734	-750
<i>Colorado River (End Op)</i>				9,650	3,880	572	-2,820	-5,360	-7,410
Evapotranspiration	79,000	55,000	38,000	33,600	31,900	31,400	31,500	32,400	33,100
Springs (Drains)	25,000	17,500	16,000	10,300	8,560	7,170	6,080	5,220	7,530
Cross-formational flow	21,230	19,390	18,030	12,100	10,700	9,260	8,520	7,960	7,530
TOTAL OUTFLOW	399,230	296,890	285,030	403,000	406,160	410,830	412,100	425,580	432,560
TOTAL DECREASE OUTFLOW		-102,340	-11,860	117,970	3,160	4,670	1,270	13,480	6,980
Storage Change (Calculated)	-150,930	11,420	-123,860	-96,400	-95,660	-94,430	-92,000	-101,680	-105,160
Storage Change (Hutchinson)	-140,000	30,000	-150,000						
Storage Change - cummulative	-1,509,300	-1,395,100	-2,633,700	-3,597,700	-4,554,300	-5,498,600	-6,418,600	-7,435,400	-8,487,000
TOTAL CAPTURE									
Pumping Increase		26,000	38,000	102,000	18,000	16,000	10,000	18,000	8,000
Change in Stream and Spring Outflows									
River Status (Gain/Loss)	<i>Gaining</i>	<i>Gaining</i>	<i>Gaining</i>	<i>Gaining</i>	<i>Gaining</i>	<i>Gaining</i>	<i>Gaining</i>	<i>Gaining</i>	<i>Losing</i>
River Status (Gain/Loss) with EndOp							<i>Losing</i>	<i>Losing</i>	<i>Losing</i>