

TABLE 2 - PROPOSED WATER BALANCE USING NPS'S RECHARGE ESTIMATE TO PREDICT EFFECTS TO GROUNDWATER STORAGE FROM HISTORIC PUMPING IN THE CHUCKWALLA VALLEY (1948 - 2007)

(Submitted by the National Park Service in support of comments concerning the draft EIR for the proposed Eagle Mountain Pumped Storage Project)

Year	Eagle Mtn. Mine Water Supply Wells (Pinto V.)	Eagle Mtn. Mine Water Supply Wells (Chuckwalla V.)	Agricultural Pumping	Aquaculture Pumping/ Open Water Evap.	Desert Center Domestic Water Usage	So. Cal. Water Usage	Lake Tamarisk Water Usage	Chuckwalla/ Ironwood State Prison Water Usage	Subsurface Outflow	SUBTOTAL OUTFLOW	Lake Tamarisk Wastewater Return	Chuckwalla/ Ironwood State Prison Wastewater Return	Precipitation Recharge in Chuckwalla Valley	Subsurface Inflow from Pinto Valley	Subsurface Inflow from Orocopia Valley	SUBTOTAL INFLOW	INFLOW minus OUTFLOW	CUMULATIVE CHANGE IN AQUIFER STORAGE
1948	60								400	460			2,060	624	329	3,013	2,553	2,553
1949	160								400	560			2,060	624	329	3,013	2,453	5,006
1950	188								400	588			2,060	624	329	3,013	2,425	7,431
1951	220								400	620			2,060	624	329	3,013	2,393	9,824
1952	260								400	660			2,060	624	329	3,013	2,353	12,177
1953	320								400	720			2,060	624	329	3,013	2,293	14,470
1954	540								400	940			2,060	624	329	3,013	2,073	16,543
1955	660								400	1,060			2,060	624	329	3,013	1,953	18,496
1956	836								400	1,236			2,060	624	329	3,013	1,777	20,273
1957	647								400	1,047			2,060	624	329	3,013	1,966	22,239
1958	1,681								400	2,081			2,060	624	329	3,013	932	23,171
1959	1,712								400	2,112			2,060	624	329	3,013	901	24,072
1960	3,494								400	3,894			2,060	624	329	3,013	-881	23,191
1961	3,866								400	4,266			2,060	624	329	3,013	-1,253	21,938
1962	4,600								400	5,000			2,060	624	329	3,013	-1,987	19,951
1963	7,904								400	8,304			2,060	624	329	3,013	-5,291	14,660
1964	6,968								400	7,368			2,060	624	329	3,013	-4,355	10,305
1965	5,950	2,454							400	8,804			2,060	624	329	3,013	-5,791	4,514
1966	6,266	3,864							400	10,530			2,060	624	329	3,013	-7,517	-3,003
1967	6,688	3,951							400	11,039			2,060	624	329	3,013	-8,026	-11,029
1968	5,468	4,019							400	9,887			2,060	624	329	3,013	-6,874	-17,903
1969	5,426	4,097							400	9,923			2,060	624	329	3,013	-6,910	-24,813
1970	5,932	3,507							400	9,839			2,060	624	329	3,013	-6,826	-31,639
1971	5,190	3,211							400	8,801			2,060	624	329	3,013	-5,788	-37,427
1972	4,860	2,344							400	7,604			2,060	624	329	3,013	-4,591	-42,018
1973	5,114	3,724							400	9,238			2,060	624	329	3,013	-6,225	-48,243
1974	5,074	3,555							400	9,029			2,060	624	329	3,013	-6,016	-54,259
1975	5,026	3,574							400	9,000			2,060	624	329	3,013	-5,987	-60,246
1976	5,482	3,750							400	9,632			2,060	624	329	3,013	-6,619	-66,865
1977	5,980	3,896							400	10,276			2,060	624	329	3,013	-7,263	-74,128
1978	5,486	4,177							400	10,063			2,060	624	329	3,013	-7,050	-81,178
1979	5,388	4,166							400	9,954			2,060	624	329	3,013	-6,941	-88,119
1980	5,204	3,245							400	8,849			2,060	624	329	3,013	-5,836	-93,955
1981	5,966	3,005	11,331	302	50	1	870		400	21,925	29		2,060	624	329	3,042	-18,883	-112,838
1982	4,854	1,574	13,220	302	50	1	870		400	21,271	29		2,060	624	329	3,042	-18,229	-131,067
1983	3,226	47	15,108	302	50	1	870		400	20,004	29		2,060	624	329	3,042	-16,962	-148,029
1984	500	790	16,997	302	50	1	870		400	19,910	29		2,060	624	329	3,042	-16,868	-164,897
1985		484	18,885	302	50	1	870		400	20,992	29		2,060	624	329	3,042	-17,950	-182,847
1986		450	20,774	302	50	1	870		400	22,847	29		2,060	624	329	3,042	-19,805	-202,652
1987			18,243	302	50	1	870		400	19,866	29		2,060	624	329	3,042	-16,824	-219,476
1988			15,712	302	50	1	870		400	17,335	29		2,060	624	329	3,042	-14,293	-233,769
1989			13,181	302	50	1	870	1,000	400	15,804	29	379	2,060	624	329	3,421	-12,383	-246,152
1990			10,650	302	50	1	870	1,000	400	13,273	29	379	2,060	624	329	3,421	-9,852	-256,004
1991			8,119	302	50	1	870	1,000	400	10,742	29	379	2,060	624	329	3,421	-7,321	-263,325
1992			5,587	302	50	1	1,090	1,000	400	8,430	36	379	2,060	624	329	3,428	-5,002	-268,327
1993			4,749	302	50	1	1,090	1,000	400	7,592	36	379	2,060	624	329	3,428	-4,164	-272,491
1994			3,911	302	50	1	1,090	2,100	400	7,854	36	795	2,060	624	329	3,844	-4,010	-276,501
1995			3,073	302	50	1	1,090	2,100	400	7,016	36	795	2,060	624	329	3,844	-3,172	-279,673
1996			2,235	302	50	1	1,090	2,100	400	6,178	36	795	2,060	624	329	3,844	-2,334	-282,007
1997			2,235	302	50	1	1,090	2,100	400	6,178	36	795	2,060	624	329	3,844	-2,334	-284,341
1998			2,235	302	50	1	1,090	2,100	400	6,178	36	795	2,060	624	329	3,844	-2,334	-286,675
1999			2,235	302	50	1	1,090	2,100	400	6,178	36	795	2,060	624	329	3,844	-2,334	-289,009
2000			2,235	302	50	1	1,090	2,100	400	6,178	36	795	2,060	624	329	3,844	-2,334	-291,343
2001			2,235	302	50	1	1,090	2,100	400	6,178	36	795	2,060	624	329	3,844	-2,334	-293,677
2002			2,235	302	50	1	1,090	2,100	400	6,178	36	795	2,060	624	329	3,844	-2,334	-296,011
2003			2,235	302	50	1	1,090	2,100	400	6,178	36	795	2,060	624	329	3,844	-2,334	-298,345
2004			2,235	302	50	1	1,090	2,100	400	6,178	36	795	2,060	624	329	3,844	-2,334	-300,679
2005			3,433	215	50	1	1,090	2,100	400	7,289	36	795	2,060	624	329	3,844	-3,445	-304,124
2006			3,433	215	50	1	1,090	2,100	400	7,289	36	795	2,060	624	329	3,844	-3,445	-307,569
2007			6,389	215	50	1	1,090	2,100	400	10,245	36	795	2,060	624	329	3,844	-6,401	-313,970