

TABLE 1 - PROPOSED WATER BALANCE USING APPLICANT'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 Orocofia Valley	SUBTOTAL INFLOW	INFLOW minus OUTFLOW	CUMULATIVE CHANGE IN AQUIFER STORAGE
1948	60								400	460			6,125	5,875	700	12,700	12,240	12,240
1949	160								400	560			6,125	5,875	700	12,700	12,140	24,380
1950	188								400	588			6,125	5,875	700	12,700	12,112	36,492
1951	220								400	620			6,125	5,875	700	12,700	12,080	48,572
1952	260								400	660			6,125	5,875	700	12,700	12,040	60,612
1953	320								400	720			6,125	5,875	700	12,700	11,980	72,592
1954	540								400	940			6,125	5,875	700	12,700	11,760	84,352
1955	660								400	1,060			6,125	5,875	700	12,700	11,640	95,992
1956	836								400	1,236			6,125	5,875	700	12,700	11,464	107,456
1957	647								400	1,047			6,125	5,875	700	12,700	11,653	119,109
1958	1,681								400	2,081			6,125	5,875	700	12,700	10,619	129,728
1959	1,712								400	2,112			6,125	5,875	700	12,700	10,588	140,316
1960	3,494								400	3,894			6,125	5,875	700	12,700	8,806	149,122
1961	3,866								400	4,266			6,125	5,875	700	12,700	8,434	157,556
1962	4,600								400	5,000			6,125	5,875	700	12,700	7,700	165,256
1963	7,904								400	8,304			6,125	5,875	700	12,700	4,396	169,652
1964	6,968								400	7,368			6,125	5,875	700	12,700	5,332	174,984
1965	5,950	2,454							400	8,804			6,125	5,875	700	12,700	3,896	178,880
1966	6,266	3,864							400	10,530			6,125	5,875	700	12,700	2,170	181,050
1967	6,688	3,951							400	11,039			6,125	5,875	700	12,700	1,661	182,711
1968	5,468	4,019							400	9,887			6,125	5,875	700	12,700	2,813	185,524
1969	5,426	4,097							400	9,923			6,125	5,875	700	12,700	2,777	188,301
1970	5,932	3,507							400	9,839			6,125	5,875	700	12,700	2,861	191,162
1971	5,190	3,211							400	8,801			6,125	5,875	700	12,700	3,899	195,061
1972	4,860	2,344							400	7,604			6,125	5,875	700	12,700	5,096	200,157
1973	5,114	3,724							400	9,238			6,125	5,875	700	12,700	3,462	203,619
1974	5,074	3,555							400	9,029			6,125	5,875	700	12,700	3,671	207,290
1975	5,026	3,574							400	9,000			6,125	5,875	700	12,700	3,700	210,990
1976	5,482	3,750							400	9,632			6,125	5,875	700	12,700	3,068	214,058
1977	5,980	3,896							400	10,276			6,125	5,875	700	12,700	2,424	216,482
1978	5,486	4,177							400	10,063			6,125	5,875	700	12,700	2,637	219,119
1979	5,388	4,166							400	9,954			6,125	5,875	700	12,700	2,746	221,865
1980	5,204	3,245							400	8,849			6,125	5,875	700	12,700	3,851	225,716
1981	5,966	3,005	11,331	302	50	1	870		400	21,925	29		6,125	5,875	700	12,729	-9,196	216,520
1982	4,854	1,574	13,220	302	50	1	870		400	21,271	29		6,125	5,875	700	12,729	-8,542	207,978
1983	3,226	47	15,108	302	50	1	870		400	20,004	29		6,125	5,875	700	12,729	-7,275	200,703
1984	500	790	16,997	302	50	1	870		400	19,910	29		6,125	5,875	700	12,729	-7,181	193,522
1985		484	18,885	302	50	1	870		400	20,992	29		6,125	5,875	700	12,729	-8,263	185,259
1986		450	20,774	302	50	1	870		400	22,847	29		6,125	5,875	700	12,729	-10,118	175,141
1987			18,243	302	50	1	870		400	19,866	29		6,125	5,875	700	12,729	-7,137	168,004
1988			15,712	302	50	1	870		400	17,335	29		6,125	5,875	700	12,729	-4,606	163,398
1989			13,181	302	50	1	870	1,000	400	15,804	29	379	6,125	5,875	700	13,108	-2,696	160,702
1990			10,650	302	50	1	870	1,000	400	13,273	29	379	6,125	5,875	700	13,108	-165	160,537
1991			8,119	302	50	1	870	1,000	400	10,742	29	379	6,125	5,875	700	13,108	2,366	162,903
1992			5,587	302	50	1	1,090	1,000	400	8,430	36	379	6,125	5,875	700	13,115	4,685	167,588
1993			4,749	302	50	1	1,090	1,000	400	7,592	36	379	6,125	5,875	700	13,115	5,523	173,111
1994			3,911	302	50	1	1,090	2,100	400	7,854	36	795	6,125	5,875	700	13,531	5,677	178,788
1995			3,073	302	50	1	1,090	2,100	400	7,016	36	795	6,125	5,875	700	13,531	6,515	185,303
1996			2,235	302	50	1	1,090	2,100	400	6,178	36	795	6,125	5,875	700	13,531	7,353	192,656
1997			2,235	302	50	1	1,090	2,100	400	6,178	36	795	6,125	5,875	700	13,531	7,353	200,009
1998			2,235	302	50	1	1,090	2,100	400	6,178	36	795	6,125	5,875	700	13,531	7,353	207,362
1999			2,235	302	50	1	1,090	2,100	400	6,178	36	795	6,125	5,875	700	13,531	7,353	214,715
2000			2,235	302	50	1	1,090	2,100	400	6,178	36	795	6,125	5,875	700	13,531	7,353	222,068
2001			2,235	302	50	1	1,090	2,100	400	6,178	36	795	6,125	5,875	700	13,531	7,353	229,421
2002			2,235	302	50	1	1,090	2,100	400	6,178	36	795	6,125	5,875	700	13,531	7,353	236,774
2003			2,235	302	50	1	1,090	2,100	400	6,178	36	795	6,125	5,875	700	13,531	7,353	244,127
2004			2,235	302	50	1	1,090	2,100	400	6,178	36	795	6,125	5,875	700	13,531	7,353	251,480
2005			3,433	215	50	1	1,090	2,100	400	7,289	36	795	6,125	5,875	700	13,531	6,242	257,722
2006			3,433	215	50	1	1,090	2,100	400	7,289	36	795	6,125	5,875	700	13,531	6,242	263,964
2007			6,389	215	50	1	1,090	2,100	400	10,245	36	795	6,125	5,875	700	13,531	3,286	267,250