

HISTORICAL AMOUNTS OF REPLENISHMENT WATER

(in acre-feet)

WATER YEAR	MONTEBELLO FOREBAY SPREADING WATER					INJECTION WATER*			IN-LIEU	TOTAL
	IMPORTED WATER	RECYCLED WATER	LOCAL WATER	MAKEUP WATER	TOTAL	IMPORTED WATER	RECYCLED WATER	TOTAL	TOTAL	
1959-60	80,900	-	20,064	-	100,964	3,700	-	3,700		104,664
1960-61	147,800	-	9,118	-	156,918	4,420	-	4,420		161,338
1961-62	208,122	1,178	39,548	-	248,848	4,460	-	4,460		253,308
1962-63	80,590	12,405	14,565	-	107,560	4,150	-	4,150		111,710
1963-64	104,900	13,258	9,992	-	128,150	10,450	-	10,450		138,600
1964-65	160,170	14,528	13,097	-	187,795	35,980	-	35,980		223,775
1965-66	121,700	15,056	45,754	6,500	189,010	48,110	-	48,110	745	237,865
1966-67	84,300	16,223	59,820	-	160,343	46,940	-	46,940	851	208,134
1967-68	95,400	18,275	39,760	-	153,435	44,530	-	44,530	850	198,815
1968-69	17,800	13,877	119,395	-	151,072	41,680	-	41,680	850	193,602
1969-70	68,900	17,158	52,917	-	138,975	33,940	-	33,940	900	173,815
1970-71	72,100	22,726	44,757	-	139,583	36,202	-	36,202	881	176,666
1971-72	34,400	21,999	17,688	-	74,087	41,036	-	41,036	756	115,879
1972-73	71,947	27,886	45,077	20,000	164,910	41,803	-	41,803	901	207,614
1973-74	68,237	23,452	29,171	23,921	144,781	42,658	-	42,658	901	188,340
1974-75	71,900	26,791	29,665	-	128,356	36,746	-	36,746	400	165,502
1975-76	50,800	27,687	22,073	-	100,560	44,815	-	44,815	400	145,775
1976-77	9,300	29,359	19,252	21,400	79,311	49,315	-	49,315	400	129,026
1977-78	39,900	25,722	147,317	7,800	220,739	40,231	-	40,231	16,131	277,101
1978-79	65,300	28,860	68,859	-	163,019	34,498	-	34,498	18,378	215,895
1979-80	10,200	29,406	106,820	10,900	157,326	37,235	-	37,235	14,961	209,522
1980-81	32,000	31,722	50,590	31,500	145,812	34,364	-	34,364	23,823	203,999
1981-82	4,600	34,052	47,930	30,900	117,482	34,294	-	34,294	18,883	170,659
1982-83	2,000	22,770	126,076	8,900	159,746	45,183	-	45,183	19,752	224,681
1983-84	1,500	32,241	60,710	20,800	115,251	39,482	-	39,482	41,740	196,473
1984-85	40,600	31,378	39,099	-	111,077	37,526	-	37,526	36,840	185,443
1985-86	21,500	29,279	66,966	-	117,745	31,693	-	31,693	26,132	175,570
1986-87	49,200	37,976	27,613	6,500	121,289	39,184	-	39,184	29,202	189,675
1987-88	23,300	43,349	50,068	5,800	122,517	37,483	-	37,483	28,411	188,411
1988-89	50,300	49,773	17,096	6,500	123,669	34,033	-	34,033	25,425	183,127
1989-90	52,700	50,109	9,388	13,600	125,797	32,054	-	32,054	29,151	187,002
1990-91	56,300	53,864	35,717	100	145,981	29,690	-	29,690	22,039	197,710
1991-92	43,100	46,903	136,357	-	226,360	34,798	-	34,798	19,104	280,262
1992-93	16,561	48,864	147,699	-	213,124	31,341	-	31,341	53,306	297,771
1993-94	20,411	53,981	55,896	-	130,288	25,109	-	25,109	109,581	264,978
1994-95	21,837	33,300	100,578	-	155,715	22,999	1,480	24,479	50,898	231,092
1995-96	18,012	53,862	62,920	-	134,794	23,304	4,170	27,473	51,333	213,600
1996-97	22,738	49,959	58,262	-	130,959	22,862	6,241	29,103	39,394	199,456
1997-98	952	37,017	96,706	-	134,675	17,125	8,306	25,431	30,330	190,436
1998-99	-	47,201	32,013	-	79,214	20,308	6,973	27,280	23,516	130,010
1999-00	45,037	43,270	20,607	-	108,914	22,917	7,460	30,377	22,278	161,569
2000-01	23,451	46,343	39,725	-	109,519	23,585	6,838	30,423	21,181	161,123
2001-02	42,875	60,596	17,000	-	120,471	24,376	7,276	31,652	20,720	172,843
2002-03	22,366	42,796	58,202	-	123,364	23,117	6,192	29,309	11,205	163,878
2003-04	27,520	44,925	30,467	-	102,912	21,361	3,669	25,030	-	127,942
2004-05	25,296	29,503	148,674	-	203,473	17,660	3,920	21,580	7,804	232,857
2005-06	33,229	42,022	60,377	-	135,628	14,628	6,874	21,502	9,889	167,019
2006-07	40,214	45,039	11,495	-	96,748	11,994	13,077	25,071	9,264	131,083
2007-08	1,510	39,767	54,518	-	95,795	12,880	15,165	28,045	-	123,840
2008-09	-	39,611	35,348	-	74,959	17,391	10,658	28,049	-	103,008
2009-10	26,286	55,731	35,398	-	117,415	18,411	11,902	30,313	-	147,728
2010-11	37,315	37,131	113,295	-	187,741	14,001	12,160	26,161	6,724	220,626
2011-12	-	55,797	36,155	-	91,952	10,896	8,990	19,886	7,815	119,653
2012-13	-	59,145	6,048	-	65,193	15,852	11,777	27,630	2,180	95,002
2013-14	-	55,646	-	-	55,646	16,074	17,778	33,852	4,371	93,868
TOTAL	2,467,375	1,870,764	2,843,703	215,121	7,396,963	1,540,873	170,905	1,711,778	860,598	9,969,339

* - Including Orange County side of Alamitos Barrier

HISTORICAL AMOUNTS OF GROUNDWATER PRODUCTION*

(in acre-feet)

WATER YEAR	CENTRAL BASIN	WEST COAST BASIN	TOTAL
1959-60	245,400	66,600	312,000
1960-61	292,500	61,900	354,400
1961-62	275,800	59,100	334,900
1962-63	225,400	59,100	284,500
1963-64	219,100	61,300	280,400
1964-65	211,600	59,800	271,400
1965-66	222,800	60,800	283,600
1966-67	206,700	62,300	269,000
1967-68	220,100	61,600	281,700
1968-69	213,800	61,600	275,400
1969-70	222,200	62,600	284,800
1970-71	211,600	60,900	272,500
1971-72	216,100	64,800	280,900
1972-73	205,600	60,300	265,900
1973-74	211,300	55,000	266,300
1974-75	213,100	56,700	269,800
1975-76	215,300	59,400	274,700
1976-77	211,500	59,800	271,300
1977-78	196,600	58,300	254,900
1978-79	207,000	58,000	265,000
1979-80	209,500	57,100	266,600
1980-81	211,915	57,711	269,626
1981-82	202,587	61,874	264,461
1982-83	194,548	57,542	252,090
1983-84	196,660	51,930	248,590
1984-85	193,085	52,746	245,831
1985-86	195,972	53,362	249,334
1986-87	196,660	48,026	244,686
1987-88	194,704	43,837	238,541
1988-89	200,207	44,323	244,530
1989-90	197,621	48,047	245,668
1990-91	187,040	53,660	240,700
1991-92	196,400	56,318	252,718
1992-93	150,495	40,241	190,736
1993-94	156,565	41,826	198,392
1994-95	180,269	41,729	221,998
1995-96	182,413	52,222	234,636
1996-97	187,561	52,576	240,137
1997-98	188,305	51,859	240,164
1998-99	204,441	51,926	256,367
1999-00	198,483	53,599	252,082
2000-01	195,361	53,870	249,231
2001-02	200,168	50,063	250,231
2002-03	190,268	51,946	242,214
2003-04	200,365	48,013	248,378
2004-05	188,783	41,297	230,079
2005-06	191,123	36,808	227,931
2006-07	198,249	37,659	235,908
2007-08	206,297	38,472	244,768
2008-09	197,663	45,538	243,201
2009-10	197,390	44,013	241,403
2010-11	170,630	44,480	215,109
2011-12	195,820	45,597	241,417
2012-13	196,414	42,263	238,678
2013-14	198,585	42,520	241,105
TOTAL	11,196,046	2,904,893	14,100,939

* Numbers sometimes updated when pumping adjustments are required

**HISTORICAL AMOUNTS OF WATER USE
IN THE WRD SERVICE AREA***

(in acre-feet)

WATER YEAR	GROUNDWATER PRODUCTION	IMPORTED WATER FOR DIRECT USE*	RECLAIMED WATER FOR DIRECT USE*	TOTAL
1960-61	312,000	196,800		508,800
1961-62	334,900	178,784		513,684
1962-63	284,500	222,131		506,631
1963-64	280,400	257,725		538,125
1964-65	271,400	313,766		585,166
1965-66	283,600	308,043		591,643
1966-67	269,000	352,787		621,787
1967-68	281,700	374,526		656,226
1968-69	275,400	365,528		640,928
1969-70	284,800	398,149		682,949
1970-71	272,500	397,122		669,622
1971-72	280,900	428,713		709,613
1972-73	265,900	400,785		666,685
1973-74	266,300	410,546		676,846
1974-75	269,800	380,228		650,028
1975-76	274,700	404,958		679,658
1976-77	271,300	355,896		627,196
1977-78	254,900	373,116		628,016
1978-79	265,000	380,101	100 ^(a)	645,201
1979-80	266,600	397,213	200	664,013
1980-81	269,626	294,730	300	564,656
1981-82	264,461	391,734	300	656,495
1982-83	252,090	408,543	400	661,033
1983-84	248,590	441,151	1,800	691,541
1984-85	245,831	451,549	2,000	699,380
1985-86	249,334	427,860	2,400	679,594
1986-87	244,686	478,744	2,300	725,730
1987-88	238,541	479,318	3,500	721,359
1988-89	244,530	466,166	5,300	715,996
1989-90	245,668	448,285	5,900	699,853
1990-91	240,700	485,109	5,000	730,809
1991-92	252,718	395,191	4,900	652,809
1992-93	190,736	388,949	824	580,509
1993-94	198,392	483,287	3,413	685,092
1994-95	221,998	437,191	6,143	665,332
1995-96	234,636	426,699	19,804	681,139
1996-97	240,137	436,569	25,046	701,752
1997-98	240,164	375,738	27,075	642,976
1998-99	256,367	396,655	30,510	683,532
1999-00	252,082	395,681	33,589	681,352
2000-01	249,231	395,024	32,589	676,845
2001-02	250,231	395,799	38,694	684,723
2002-03	242,214	381,148	38,839	662,202
2003-04	248,378	389,233	36,626	674,237
2004-05	230,079	402,660	33,988	666,727
2005-06	227,931	366,815	35,301	630,047
2006-07	235,908	376,492	41,899	654,299
2007-08	244,768	346,035	45,120	635,923
2008-09	243,201	320,711	43,153	607,065
2009-10	241,403	278,857	43,547	563,808
2010-11	215,109	286,448	39,418	540,975
2011-12	241,417	282,746	42,138	566,301
2012-13	238,678	304,325	45,377	588,380
2013-14	241,105	304,501	55,311	600,917
TOTAL	13,746,539	20,236,861	752,805	34,736,204

(a) Los Coyotes on-line in 1979; Long Beach on-line in 1980

* - Includes imported & recycled at seawater barriers, but not spreading grounds.