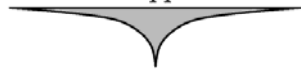


TABLES

GEOSCIENCE Support Services, Inc.



Timeline of Events Leading up to Watermaster's Proposed Long Term Plan

Year	Interim Management Plan	Forbearance Agreement	Pumping Tests	
1973				fissuring first appeared
1974				
1975				
1976				
1977				
1978				
1979				
1980				
1981				
1982				
1983				
1984				
1985				
1986				
1987				
1988				
1989				
1990				
1991				fissuring accelerated
1992				
1993				
1994				
1995				
1996				
1997				
1998				
1999				Phase I report Optimum Basin Management Program (OBMP) - identified pumping-induced and subsequent aquifer-system compaction as likely cause of subsidence. Program Element 4 of OBMP recommended to Develop and Implement a Comprehensive Groundwater Management Plan for Management Zone 1
2000				Implementation Plan in Peace Agreement called for an aquifer-system and land subsidence investigation in SW MZ-1 to support development of a management plan for MZ-1 (MZ-1 Interim Monitoring Program)
2001				December 2001 City of Chino Hills files Petition for Writ of Mandate against City of Chino, split into two matters - a mandamus proceeding under Public Utility Code, and a motion encompassing all claims pertaining to the rights and obligations of the parties. Judge orders all parties to report on the status of technical work performed by Watermaster and others concerning subsidence.
2002	Watermaster developed, coordinated and conducted IMP			January 2002 City of Chino filed motion requesting the Court to assume jurisdiction over dispute with Chino Hills regarding water production and subsidence. Watermaster files its <i>Report of Watermaster Activities Regarding Subsidence and Request for Finding and Further Order</i> . February 2002 Special Referee files a <i>Report and Recommendation Concerning Motions Filed Related to Subsidence</i> . May 2002 Watermaster files a <i>Report on Progress of the Interim Plan Stakeholder Process</i> . June 2002 Watermaster transmits the Interim Plan to the Court and requests a workshop on the Plan. August 2002 1st workshop September 2002 <i>Special Referee's Report on Interim Plan Workshop and Recommendation Concerning Subsidence Issues</i> . Subsequently the Watermaster files comments to the Referee's Report and a revised Interim Plan and requests a court order to proceed in accordance with the Interim Plan. October 2002 Initial State of the Basin Report - 2000 October 2002 Court Order Concerning Watermaster's Interim Plan for Management of Subsidence November 2002 Ayala Park Piezometer completed
2003		x	x	January 2003 TC approved scope and schedule of IMP July 2003 Ayala Park Extensometer completed
2004		x	x	
2005		x	x	May 2005 2nd Workshop June 2005 Special Referee's Report on Progress Made on Implementation of the Watermaster Interim Plan for Management of Subsidence July 2005 2nd State of the Basin Report - 2004 October 2005 MZ-1 Summary Report
2006		x		February 2006 MZ-1 IMP Summary Report March 2006 Reservations on Summary Report voiced at Appropriative Pool Meeting by City of Chino Hills, with action on the plan delayed until an alternative proposal is submitted. April 2006 With no proposed alternative submitted, the Appropriative Pool approves the Summary Report and Guidance Criteria (with one dissenting vote from Chino Hills). The Summary Report is unanimously approved by the Non-Agricultural Pool and the Agricultural Pool. The Advisory Committee unanimously approves the Summary Report and Guidance Criteria (Chino Hills absent), but allows a delay to accommodate dialogue with Chino Hills. May 2006 Watermaster Board Chair meets with Chino Hills' representatives July 2006 Special Referee workshop held to present the Non-Binding Term Sheet October 2006 Watermaster reconvenes the Technical Committee to resume work on Long Term Plan
2007		x		June 2007 MZ-1 Subsidence Management Plan July 2007 3rd State of the Basin Report - 2006 August 2007 Motion for Approval of Watermaster's Long Term Plan for the Management of Subsidence (prepared by Chino Basin Watermaster attorneys)
2008				April 2008 - MZ-1 Technical Committee will have discussed and evaluated the above activities and developed scopes of work for those that are to be implemented

Sources of Data: WE (1999), We (2002), WE (2005), WE (2006), WE (2007a), WE (2007b), Hatch & Parent (2007)

**Quarterly Ground Water Budgets for the City of Chino Hills Model
Transient Model Calibration January 1982 - September 2005**

Year	Qtr	Inflow	Inflow	Inflow	Total Inflow	Outflow	Outflow	Outflow	Total Outflow	Change in Ground Water Storage
		Recharge from Streamflow	Areal Recharge, Recharge from Mountain Front Runoff and Artificial Recharge	Underflow Inflow		Evapotranspiration	Net Ground Water Pumping	Rising Ground Water		
		[acre-ft]	[acre-ft]	[acre-ft]		[acre-ft]	[acre-ft]	[acre-ft]		
1982	1st	7,363	1,927	25,533	34,823	0	13,663	5,825	19,488	15,335
1982	2nd	6,920	1,926	24,320	33,167	5,186	21,253	2,711	29,149	4,017
1982	3rd	7,033	1,926	26,692	35,651	6,124	23,150	1,996	31,269	4,382
1982	4th	5,388	1,926	33,852	41,167	1,950	15,914	3,256	21,119	20,048
1983	1st	7,033	3,057	29,513	39,604	0	13,019	5,158	18,177	21,427
1983	2nd	3,966	1,926	26,292	32,185	5,479	20,255	2,779	28,512	3,673
1983	3rd	4,456	1,926	30,500	36,883	6,530	25,399	2,090	34,019	2,864
1983	4th	3,765	1,926	28,719	34,410	2,089	17,461	3,379	22,929	11,481
1984	1st	3,031	1,926	25,129	30,085	0	14,286	4,580	18,866	11,219
1984	2nd	3,351	1,926	24,839	30,116	5,657	22,225	2,792	30,673	-556
1984	3rd	3,961	1,926	26,309	32,196	6,761	23,007	2,094	31,862	334
1984	4th	3,293	1,925	25,643	30,861	2,158	15,817	3,294	21,270	9,591
1985	1st	2,336	1,926	21,901	26,163	0	12,936	4,360	17,296	8,867
1985	2nd	2,866	1,926	23,370	28,162	5,746	20,133	2,548	28,427	-265
1985	3rd	3,501	1,926	27,043	32,470	6,830	22,842	1,882	31,554	916
1985	4th	2,541	1,926	24,862	29,329	2,192	15,680	3,099	20,971	8,358
1986	1st	1,699	2,493	24,013	28,205	0	12,833	4,254	17,087	11,118
1986	2nd	4,447	1,926	9,871	16,244	5,838	19,972	2,505	28,315	-12,070
1986	3rd	5,059	1,926	19,077	26,062	6,887	24,518	1,841	33,246	-7,184
1986	4th	4,459	1,926	17,424	23,809	2,176	16,873	2,950	22,000	1,810
1987	1st	3,944	1,926	15,702	21,572	0	13,774	3,969	17,743	3,829
1987	2nd	4,873	1,926	16,460	23,259	5,666	21,465	2,280	29,410	-6,151
1987	3rd	5,636	1,926	19,399	26,961	6,639	23,393	1,662	31,694	-4,733
1987	4th	5,061	1,926	17,837	24,825	2,105	16,093	2,780	20,978	3,847

**Quarterly Ground Water Budgets for the City of Chino Hills Model
Transient Model Calibration January 1982 - September 2005**

Year	Qtr	Inflow	Inflow	Inflow	Total Inflow	Outflow	Outflow	Outflow	Total Outflow	Change in Ground Water Storage
		Recharge from Streamflow	Areal Recharge, Recharge from Mountain Front Runoff and Artificial Recharge	Underflow Inflow		Evapotranspiration	Net Ground Water Pumping	Rising Ground Water		
		[acre-ft]	[acre-ft]	[acre-ft]		[acre-ft]	[acre-ft]	[acre-ft]		
1988	1st	4,596	1,926	15,473	21,995	0	13,154	3,838	16,993	5,003
1988	2nd	5,503	1,926	12,948	20,376	5,523	20,478	2,202	28,202	-7,826
1988	3rd	6,202	1,926	16,758	24,887	6,439	21,924	1,598	29,961	-5,074
1988	4th	5,602	1,926	15,519	23,047	2,043	15,060	2,647	19,750	3,297
1989	1st	5,010	1,926	9,642	16,578	0	12,351	3,662	16,012	566
1989	2nd	5,673	1,926	12,810	20,409	5,358	19,169	2,073	26,600	-6,191
1989	3rd	6,365	1,926	14,899	23,190	6,212	23,163	1,458	30,833	-7,643
1989	4th	5,753	1,926	15,725	23,405	1,970	15,932	2,440	20,342	3,063
1990	1st	5,101	1,926	13,774	20,801	0	13,039	3,411	16,451	4,350
1990	2nd	5,758	1,926	13,361	21,045	5,223	20,271	1,935	27,429	-6,384
1990	3rd	6,628	1,926	14,991	23,545	6,084	22,452	1,382	29,917	-6,373
1990	4th	6,061	1,926	15,657	23,643	1,933	15,427	2,376	19,736	3,907
1991	1st	5,386	2,491	17,218	25,094	0	12,626	3,382	16,008	9,086
1991	2nd	6,006	1,926	15,312	23,244	5,174	19,651	1,940	26,765	-3,522
1991	3rd	6,286	1,926	16,690	24,901	6,123	23,232	1,433	30,787	-5,886
1991	4th	5,179	1,926	22,544	29,649	1,977	15,955	2,495	20,427	9,222
1992	1st	3,976	2,493	20,960	27,429	0	13,085	3,563	16,648	10,781
1992	2nd	4,325	1,926	20,523	26,775	5,406	20,317	2,064	27,787	-1,012
1992	3rd	5,696	1,926	16,368	23,990	6,380	22,452	1,517	30,349	-6,359
1992	4th	5,893	1,926	13,567	21,387	2,032	13,154	2,583	17,769	3,618
1993	1st	8,604	3,056	3,903	15,562	0	10,170	4,291	14,461	1,102
1993	2nd	7,573	1,926	3,903	13,402	5,347	21,901	2,126	29,373	-15,971
1993	3rd	7,950	1,926	12,695	22,571	6,141	18,618	1,534	26,292	-3,721
1993	4th	8,386	1,926	2,870	13,182	1,908	13,613	2,580	18,101	-4,920
1994	1st	7,750	1,926	14,738	24,415	0	11,203	3,602	14,805	9,610

**Quarterly Ground Water Budgets for the City of Chino Hills Model
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Year	Qtr	Inflow	Inflow	Inflow	Total Inflow	Outflow	Outflow	Outflow	Total Outflow	Change in Ground Water Storage
		Recharge from Streamflow	Areal Recharge, Recharge from Mountain Front Runoff and Artificial Recharge	Underflow Inflow		Evapotranspiration	Net Ground Water Pumping	Rising Ground Water		
		[acre-ft]	[acre-ft]	[acre-ft]		[acre-ft]	[acre-ft]	[acre-ft]		
1994	2nd	8,349	1,926	16,276	26,552	4,901	20,156	2,048	27,105	-553
1994	3rd	8,946	1,926	14,463	25,335	5,673	24,633	1,481	31,786	-6,451
1994	4th	8,480	1,926	10,514	20,921	1,798	16,781	2,505	21,084	-163
1995	1st	12,169	3,058	11,433	26,660	0	12,971	4,160	17,130	9,529
1995	2nd	8,237	1,926	15,702	25,865	4,892	22,337	2,043	29,272	-3,407
1995	3rd	8,933	1,926	17,241	28,099	5,634	25,872	1,467	32,973	-4,874
1995	4th	8,466	1,926	11,111	21,504	1,786	16,529	2,489	20,803	700
1996	1st	7,938	2,491	12,534	22,964	0	14,141	3,508	17,649	5,315
1996	2nd	8,216	1,926	14,624	24,766	4,789	19,261	1,995	26,045	-1,279
1996	3rd	8,871	1,926	15,106	25,902	5,634	21,993	1,437	29,063	-3,161
1996	4th	8,418	1,926	11,272	21,616	1,802	16,919	2,440	21,162	455
1997	1st	7,837	2,493	12,328	22,658	0	15,542	3,425	18,967	3,691
1997	2nd	8,085	1,926	13,131	23,143	4,807	19,444	1,928	26,180	-3,037
1997	3rd	8,446	1,926	15,152	25,523	5,677	20,271	1,380	27,328	-1,804
1997	4th	7,718	1,926	12,420	22,064	1,837	16,368	2,369	20,574	1,490
1998	1st	9,897	3,056	13,499	26,451	0	14,118	4,004	18,122	8,329
1998	2nd	7,146	1,926	10,996	20,069	5,076	18,916	1,935	25,927	-5,859
1998	3rd	7,727	1,926	14,440	24,093	5,895	20,845	1,357	28,097	-4,004
1998	4th	7,195	1,926	13,728	22,849	1,876	18,044	2,323	22,243	606
1999	1st	6,637	1,926	13,499	22,062	0	16,896	3,267	20,163	1,899
1999	2nd	7,257	1,926	13,522	22,704	4,915	18,825	1,798	25,537	-2,833
1999	3rd	7,798	1,926	14,027	23,751	5,762	20,133	1,260	27,156	-3,404
1999	4th	7,241	1,926	11,731	20,898	1,860	17,424	2,227	21,511	-613
2000	1st	6,543	2,493	13,407	22,443	0	16,070	3,182	19,252	3,191
2000	2nd	7,300	1,926	13,039	22,266	4,844	19,605	1,740	26,189	-3,923

**Quarterly Ground Water Budgets for the City of Chino Hills Model
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Year	Qtr	Inflow	Inflow	Inflow	Total Inflow	Outflow	Outflow	Outflow	Total Outflow	Change in Ground Water Storage
		Recharge from Streamflow	Areal Recharge, Recharge from Mountain Front Runoff and Artificial Recharge	Underflow Inflow		Evapotranspiration	Net Ground Water Pumping	Rising Ground Water		
		[acre-ft]	[acre-ft]	[acre-ft]		[acre-ft]	[acre-ft]	[acre-ft]		
2000	3rd	7,916	1,926	13,522	23,363	5,624	23,600	1,214	30,438	-7,075
2000	4th	7,477	1,926	12,810	22,213	1,791	19,628	2,156	23,574	-1,361
2001	1st	6,837	2,491	12,603	21,931	0	16,185	3,104	19,288	2,642
2001	2nd	7,585	1,926	14,669	24,180	4,637	24,449	1,676	30,762	-6,582
2001	3rd	8,526	1,926	9,711	20,163	5,280	25,230	1,159	31,669	-11,506
2001	4th	8,349	1,926	10,560	20,836	1,676	19,238	2,087	23,000	-2,165
2002	1st	7,870	1,926	10,331	20,126	0	18,549	3,017	21,566	-1,439
2002	2nd	8,299	1,926	12,856	23,081	4,293	23,301	1,605	29,199	-6,118
2002	3rd	9,233	1,926	8,724	19,883	4,890	26,905	1,107	32,902	-13,019
2002	4th	8,921	1,926	12,167	23,014	1,538	20,684	2,002	24,224	-1,210
2003	1st	8,542	2,491	8,264	19,298	0	17,769	2,932	20,700	-1,403
2003	2nd	8,848	1,926	13,085	23,859	4,063	21,166	1,556	26,786	-2,927
2003	3rd	9,447	1,926	13,545	24,917	4,614	29,385	1,067	35,067	-10,149
2003	4th	9,236	1,926	8,953	20,115	1,469	21,212	1,935	24,617	-4,502
2004	1st	8,882	1,926	13,085	23,893	0	17,906	2,849	20,755	3,138
2004	2nd	9,279	1,926	12,626	23,831	3,811	23,691	1,497	28,999	-5,168
2004	3rd	9,759	1,926	11,938	23,623	4,316	29,155	1,024	34,495	-10,872
2004	4th	9,454	1,926	11,019	22,399	1,377	17,034	1,889	20,301	2,098
2005	1st	14,582	3,058	9,412	27,052	0	13,567	3,506	17,073	9,979
2005	2nd	9,180	1,926	9,871	20,978	3,949	20,615	1,561	26,125	-5,147
2005	3rd	9,685	1,490	14,692	25,868	4,385	23,026	1,033	28,444	-2,576
Quarterly Average		6,832	2,029	15,756	24,616	3,205	18,850	2,463	24,517	98
Annual Average		27,326	8,115	63,023	98,464	12,819	75,400	9,851	98,070	394