

# CHINO BASIN WATERMASTER



## NOTICE OF MEETINGS

March 13, 2003

March 13, 2003 @ 10:00 a.m. - Non-Agricultural Pool and  
Appropriative Pool Meeting

@ 1:00 p.m. - Agricultural Pool Meeting

*at the office of the  
Chino Basin Watermaster  
8632 Archibald Avenue, Suite 109  
Rancho Cucamonga, CA 91730  
Tele. (909) 484-3888  
FAX (909) 484-3890  
[www.cbwm.org](http://www.cbwm.org)*

# AGENDA

## **CHINO BASIN WATERMASTER JOINT APPROPRIATIVE POOL and NON-AGRICULTURAL POOL**

10:00 a.m. – March 13, 2003

### **CALL TO ORDER**

### **AGENDA - ADDITIONS/REORDER**

#### **I. CONSENT CALENDAR**

**Note: All matters listed under the Consent Calendar are considered to be routine and non-controversial and will be acted upon by one motion in the form listed below. There will be no separate discussion on these items prior to voting unless any members, staff, or the public requests specific items be discussed and/or removed from the Consent Calendar for separate action.**

##### **A. FINANCIAL REPORTS**

1. Cash Disbursement Report – February 2003
2. Combining Schedule Of Revenue, Expenses And Changes In Working Capital For The Period July 1, 2002 through January 31, 2003
3. Treasurer's Report of Financial Affairs For The Period December 1, through January 31, 2003
4. 2002-03 Actual YTD Revenues And Expenses Compared With Adopted 2002-03 Budget

#### **II. BUSINESS ITEMS - POSSIBLE ACTION**

##### **A. OBMP STATUS REPORT #6**

Consider approval of OBMP Status Report #6 to be filed with the Court on March 31, 2003.

##### **B. CONSIDER NOTICE TO TERMINATE CURRENT OFFICE LEASE**

Consider approval of notice to current landlord of intent to move on or about September 30, 2003, in order to occupy office to be leased from Cucamonga County Water District.

##### **C. WATER TRANSACTION**

Notice of Sale or Transfer of Right to Produce Water In Storage From the City of Chino to the City of Ontario in the amount of 6,000 acre-feet of water (noticed on January 28, 2003).

##### **D. PRESENTATION ON CURRENT STATUS OF WATER QUALITY PROGRAM**

Mark Wildermuth will present the current status of Watermaster's water quality program (Program Element 6)

#### **III. REPORTS/UPDATES**

##### **A. WATERMASTER GENERAL LEGAL COUNSEL REPORT**

1. Chino Land & Water SBSC Case No. RCV 06484
2. Attorney/Managers Meeting(s)
3. Niagara Water Company Well Production

**B. CEO/STAFF REPORT**

1. Update regarding Dry Year Yield Project
2. Update regarding Recharge Improvement Project
3. Update regarding Replenishment Water Order
4. Update regarding SB34 Legislation

**IV. COMMITTEE MEMBER COMMENTS**

**V. OTHER BUSINESS**

**VI. FUTURE MEETINGS**

March 27, 2003	10:00 a.m.	Advisory Committee Meeting
	1:00 p.m.	Watermaster Board Meeting
April 10, 2003	10:00 a.m.	Joint Meeting – Appropriative & Non-Ag Pools
	1:00 p.m.	Ag Pool Meeting
April 24, 2003	10:00 a.m.	Advisory Committee Meeting
	1:00 p.m.	Watermaster Board Meeting

Recharge Basin Project Groundbreaking – April 11, 2003

AGWA/WEF Water Quality Conference April 8 & 9 – Ontario Doubletree

ACWA Conference May 7, 8, & 9 – Lake Tahoe

**Adjourn**

# AGENDA

## **CHINO BASIN WATERMASTER AGRICULTURAL POOL**

1:00 p.m. – March 13, 2003

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# **CHINO BASIN WATERMASTER**

March 13, 2003

10:00 a.m. – Joint Non-Agricultural and  
Appropriative Pools

1:00 p.m. – Agricultural Pool

**AGENDA PACKAGE MATERIALS**



# **CHINO BASIN WATERMASTER**

March 13, 2003

10:00 a.m. – Joint Non-Agricultural and  
Appropriative Pools

1:00 p.m. – Agricultural Pool

## **I. CONSENT CALENDAR**

### **A. FINANCIAL REPORTS**

12:00 PM  
02/28/03  
Accrual Basis

CHINO BASIN WATERMASTER  
Cash Disbursement Detail Report  
February 2003

Type	Date	Num	Name	Amount
Feb 03				
General Journal	2/1/2003	03/01/12	PAYROLL	-15,447 03
General Journal	2/1/2003	03/01/11	PAYROLL	-9,421 00
General Journal	2/1/2003	03/01/11	PAYROLL	-15,472 51
Check	2/1/2003	5429	PETTY CASH	-429 78
Check	2/4/2003	5361	TOGO'S	-81 90
Bill Pmt -Check	2/4/2003	5362	COSTCO	-574 24
Bill Pmt -Check	2/4/2003	5363	DALIA'S PIZZA MARKET	-506 27
Bill Pmt -Check	2/4/2003	5364	MCGRAW, MICHAEL	-250 00
Bill Pmt -Check	2/4/2003	5365	MWH LABORATORIES	-1,014 00
Bill Pmt -Check	2/4/2003	5366	PARK PLACE COMPUTER SOLUTIONS, INC.	-1,700 00
Bill Pmt -Check	2/4/2003	5367	PAYCHEX	-204 80
Bill Pmt -Check	2/4/2003	5368	PETTY CASH	-451 45
Bill Pmt -Check	2/4/2003	5369	VELASQUEZ JANITORIAL	-175 00
Bill Pmt -Check	2/4/2003	5370	VERIZON	-498 95
Check	2/6/2003	5371	STEWART, TRACI L	0 00
Check	2/6/2003	5372	STEWART, TRACI L.	0 00
Bill Pmt -Check	2/6/2003	5373	APPLIED COMPUTER TECHNOLOGIES	-2,383 90
Bill Pmt -Check	2/6/2003	5374	REID & HELLYER	-1,516 00
Bill Pmt -Check	2/6/2003	5375	UNITED PARCEL SERVICE	-457 22
Check	2/10/2003	5377	STEWART, TRACI L.	-19,430 52
Check	2/10/2003	5378	LAUFFER, MICHELLE D	-13,708 67
Check	2/14/2003	5379	MARYGOLD MUTUAL WATER CO.	-25,270 00
Check	2/14/2003	5380	MONTE VISTA IRRIGATION COMPANY	-66,045 13
Check	2/14/2003	5381	NICHOLSON TRUST	-52 33
Check	2/14/2003	5382	SAN ANTONIO WATER COMPANY	-58,805 52
Check	2/14/2003	5383	UPLAND, CITY OF	-111,173 13
Bill Pmt -Check	2/14/2003	5384	CHEVRON	-367 71
Bill Pmt -Check	2/14/2003	5385	ELLISON, SCHNEIDER & HARRIS, LLP	-8,773 03
Bill Pmt -Check	2/14/2003	5386	FIRST AMERICAN REAL ESTATE SOLUTIONS	-125 00
Bill Pmt -Check	2/14/2003	5387	INLAND COUNTIES INSURANCE SERVICES, INC	-413 97
Bill Pmt -Check	2/14/2003	5388	INLAND EMPIRE UTILITIES AGENCY	-255,612 40
Bill Pmt -Check	2/14/2003	5389	LOS ANGELES TIMES	-39 92
Bill Pmt -Check	2/14/2003	5390	MCCALL'S METER SALES & SERVICE	-3,634 75
Bill Pmt -Check	2/14/2003	5391	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	-3,981 29
Bill Pmt -Check	2/14/2003	5392	PUMP CHECK	-14,340 29
Bill Pmt -Check	2/14/2003	5393	RICOH BUSINESS SYSTEMS-Lease	-3,591 31
Bill Pmt -Check	2/14/2003	5394	RICOH BUSINESS SYSTEMS-Maintenance	-586 42
Bill Pmt -Check	2/14/2003	5395	SANTA ANA WATERSHED PROJECT AUTHORITY	-1,000 00
Bill Pmt -Check	2/14/2003	5396	SOUTHERN CALIFORNIA EDISON	-564 60
Bill Pmt -Check	2/14/2003	5397	STATE COMPENSATION INSURANCE FUND	-630 20
Bill Pmt -Check	2/14/2003	5398	WHEELER METER MAINTENANCE	-10,609 17
Bill Pmt -Check	2/14/2003	5399	WILDERMUTH ENVIRONMENTAL INC	-58,097 87
Bill Pmt -Check	2/14/2003	5400	WORLDCOM	-945 95
Check	2/14/2003	5401	ACWA SERVICES CORPORATION	0 00
Check	2/14/2003	5402	ACWA SERVICES CORPORATION	-74 46
Bill Pmt -Check	2/14/2003	5403	PUMP CHECK	-882 34
Check	2/18/2003	5405	TOGO'S	-93 75
Bill Pmt -Check	2/27/2003	5406	ARROWHEAD MOUNTAIN SPRING WATER	-35 28
Bill Pmt -Check	2/27/2003	5407	BANK OF AMERICA	-840 60
Bill Pmt -Check	2/27/2003	5408	BLACK & VEATCH CORPORATION	-4,057 50
Bill Pmt -Check	2/27/2003	5409	CALPERS	-1,492 12
Bill Pmt -Check	2/27/2003	5410	CITIZENS CONFERENCING	-46 80
Bill Pmt -Check	2/27/2003	5411	COSTCO	-80 00
Bill Pmt -Check	2/27/2003	5412	DELUXE BUSINESS FORMS & SUPPLIES	-98 16
Bill Pmt -Check	2/27/2003	5413	HATCH AND PARENT	-56,792 43
Bill Pmt -Check	2/27/2003	5414	INLAND EMPIRE UTILITIES AGENCY	-132 25
Bill Pmt -Check	2/27/2003	5415	MCCALL'S METER SALES & SERVICE	-8,327 51
Bill Pmt -Check	2/27/2003	5416	MWH LABORATORIES	-30 00
Bill Pmt -Check	2/27/2003	5417	NEXTEL COMMUNICATIONS	-419 95
Bill Pmt -Check	2/27/2003	5418	OFFICE DEPOT	-914 23
Bill Pmt -Check	2/27/2003	5419	PUMP CHECK	-715 00
Bill Pmt -Check	2/27/2003	5420	QUILL	-142 94
Bill Pmt -Check	2/27/2003	5421	RANCHO TECH LLC	-4,368 00
Bill Pmt -Check	2/27/2003	5422	RICOH BUSINESS SYSTEMS-Maintenance	-5 92
Bill Pmt -Check	2/27/2003	5423	RODRIGUEZ, DAN	-135 80
Bill Pmt -Check	2/27/2003	5424	STANDARD INSURANCE CO	-420 41
Bill Pmt -Check	2/27/2003	5425	TLC STAFFING	-1,406 72
Bill Pmt -Check	2/27/2003	5426	UNITEK TECHNOLOGY INC	-1,087 21
Bill Pmt -Check	2/27/2003	5427	WHEELER METER MAINTENANCE	-2,816 00



12:00 PM  
02/28/03  
Accrual Basis

CHINO BASIN WATERMASTER  
Cash Disbursement Detail Report  
February 2003

Type	Date	Num	Name	Amount
Bill Pmt -Check	2/27/2003	5428	WILDERMUTH ENVIRONMENTAL INC	-67,605 51
Bill Pmt -Check	2/27/2003	5430	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	-4,957 62
General Journal	2/27/2003	03/02/1	PAYROLL	-33,139 19
General Journal	2/27/2003	03/02/2	PAYROLL	-9,592 04
General Journal	2/27/2003	03/02/2	PAYROLL	-12,048 34
Bill Pmt -Check	2/28/2003	5431	BARRION, VICTOR A	-250 00
Bill Pmt -Check	2/28/2003	5432	CITISTREET	-5,576 26
Bill Pmt -Check	2/28/2003	5433	PARK PLACE COMPUTER SOLUTIONS, INC	-1,400 00
Bill Pmt -Check	2/28/2003	5434	PUMP CHECK	-314 26
Bill Pmt -Check	2/28/2003	5435	RAUCH COMMUNICATION CONSULTANTS, LLC	-2,285 05
Bill Pmt -Check	2/28/2003	5436	PUBLIC EMPLOYEES' RETIREMENT SYSTEM	-3,164 92
Feb 03				<u>-934,131.80</u>

CHINO BASIN WATERMASTER  
 COMBINING SCHEDULE OF REVENUE, EXPENSES AND CHANGES IN WORKING CAPITAL  
 FOR THE  
 PERIOD JULY 1, 2002 THROUGH JANUARY 31, 2003

	WATERMASTER ADMINISTRATION	OPTIMUM BASIN MANAGEMENT	POOL ADMINISTRATION AND SPECIAL PROJECTS APPROPRIATIVE POOL	AGRICULTURAL POOL	NON-AGRIC. POOL	GROUNDWATER OPERATIONS GROUNDWATER REPLENISHMENT	SB222 FUNDS	EDUCATION FUNDS	GRAND TOTALS	BUDGET 2002-03
Administrative Revenues										
Administrative Assessments			\$4,470,784.83		\$149,042.18				\$4,619,827.01	\$3,797,572
Interest Revenue			30,443.60	\$5,826.92	1,788.52			\$35.54	38,094.58	132,890
Mutual Agency Project Revenue	\$ 26,628.93								26,628.93	0
Grant Income									0.00	0
Miscellaneous Income									0.00	0
Total Revenues	26,628.93	\$0.00	4,501,228.43	5,826.92	150,830.70	\$0.00	\$0.00	35.54	4,684,550.52	3,930,462
Administrative & Project Expenditures										
Watermaster Administration	422,402.86								422,402.86	752,208
Watermaster Board-Advisory Committee	23,259.59								23,259.59	60,392
Pool Administration			8,169.22	36,902.79	3,082.03				48,154.04	139,782
Optimum Basin Mgmt Administration		\$ 572,243.78							572,243.78	891,634
OBMP Project Costs		1,693,336.60							1,693,336.60	3,324,257
Education Funds Use									0.00	375
Mutual Agency Project Costs	44,823.30								44,823.30	2,500
Total Administrative/OBMP Expenses	490,485.75	2,265,580.38	8,169.22	36,902.79	3,082.03			-	2,804,220.17	5,171,148
Net Administrative/OBMP Income	(463,856.82)	(2,265,580.38)								
Allocate Net Admin Income To Pools	463,856.82		337,915.74	110,427.36	15,513.72				0.00	0
Allocate Net OBMP Income To Pools		2,265,580.38	1,650,456.01	539,351.92	75,772.46				0.00	0
Agricultural Expense Transfer			684,057.07	(684,057.07)					0.00	0
Total Expenses			2,680,598.04	2,625.00	94,368.20	-	-	-	2,804,220.17	5,171,148
Net Administrative Income			1,820,630.39	3,201.92	56,462.50			35.54	1,880,330.35	(1,240,686)
Other Income/(Expense)										
Replenishment Water Purchases						1,432,608.71			1,432,608.71	615,000
MZ1 Supplemental Water Assessments						1,586,000.00			1,586,000.00	1,670,049
Water Purchases									0.00	0
MZ1 Imported Water Purchase									0.00	(699,000)
Groundwater Replenishment						(1,333,066.90)			(1,333,066.90)	(1,586,049)
Net Other Income			0.00	0.00	0.00	1,685,541.81	0.00	0.00	1,685,541.81	0
Net Transfers To/(From) Reserves			1,820,630.39	3,201.92	56,462.50	1,685,541.81	-	35.54	3,565,872.16	(1,240,686)
Working Capital, July 1, 2002			2,916,003.13	468,150.31	175,804.57	204,947.95	158,250.86	2,845.07	3,926,001.89	
Working Capital, End Of Period	\$ 4,736,633.52	\$ 471,352.23	\$ 232,267.07	\$ 1,890,489.76	\$ 158,250.86	\$ 2,880.61	\$ 7,491,874.05			
01/02 Production			120,855.574	39,494.349	5,548.481				165,898.404	
01/02 Production Percentages			72.849%	23.806%	3.345%				100.000%	

Q:\Financial Statements\02-03\Jan 03\CombingSchedule Jan 03.xls\Sheet1

CHINO BASIN WATERMASTER  
TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD  
JANUARY 1 THROUGH JANUARY 31, 2003

SUMMARY at 1/31/2003

<b>DEPOSITORIES:</b>			
Cash on Hand - Petty Cash			\$ 500.00
Bank of America			
Governmental Checking-Demand Deposits	\$50,761.30		
Savings Deposits	9,580.81		
Zero Balance Account - Payroll	0.00		60,342.11
Local Agency Investment Fund - Sacramento			<u>7,814,317.05</u>
<b>TOTAL CASH IN BANKS AND ON HAND</b>		1/31/2003	<b>\$ 7,875,159.16</b>
<b>TOTAL CASH IN BANKS AND ON HAND</b>		12/31/2002	<b>2,258,866.35</b>
<b>PERIOD INCREASE (DECREASE)</b>			<b><u>\$ 5,616,292.81</u></b>

CHANGE IN CASH POSITION DUE TO:

Decrease/(Increase) in Assets:			
Accounts Receivable			13,873.33
Assessments Receivable			6,253,101.72
Prepaid Expenses, Deposits & Other Current Assets			1,153.17
(Decrease)/Increase in Liabilities:			
Accounts Payable			(371,927.74)
Accrued Payroll, Payroll Taxes & Other Current Liabilities			40,588.08
Transfer to/(from) Reserves			<u>(320,495.75)</u>
<b>PERIOD INCREASE (DECREASE)</b>			<b><u>\$ 5,616,292.81</u></b>

SUMMARY OF FINANCIAL TRANSACTIONS:

	Petty Cash	Gov't'l Checking Demand	Zero Balance Account Payroll	Savings	Local Agency Investment Funds	Totals
Balances as of 12/31/2002	\$500.00	\$148,205.50	\$0.00	\$9,580.81	\$2,100,580.04	\$2,258,866.35
Deposits		6,256,057.58	0.00	0.00	13,737.01	6,269,794.59
Transfers		(5,740,280.29)	40,280.29	0.00	5,700,000.00	0.00
Withdrawals/Checks		(613,221.49)	(40,280.29)	0.00	0.00	(653,501.78)
Balances as of 1/31/2003	<u>\$500.00</u>	<u>\$50,761.30</u>	<u>\$0.00</u>	<u>\$9,580.81</u>	<u>\$7,814,317.05</u>	<u>\$7,875,159.16</u>
<b>PERIOD INCREASE OR (DECREASE)</b>	<b><u>\$0.00</u></b>	<b><u>(\$97,444.20)</u></b>	<b><u>\$0.00</u></b>	<b><u>\$0.00</u></b>	<b><u>\$5,713,737.01</u></b>	<b><u>\$5,616,292.81</u></b>

CHINO BASIN WATERMASTER  
 TREASURER'S REPORT OF FINANCIAL AFFAIRS FOR THE PERIOD  
 JANUARY 1 THROUGH JANUARY 31, 2003

INVESTMENT TRANSACTIONS

Effective Date	Transaction	Depository	Activity	Redeemed	Days to Maturity	Interest Rate(*)	Maturity Yield
1/10/2003	Deposit	L.A.I.F.	2,600,000.00				
1/14/2003	Withdrawal	L.A.I.F.	(400,000.00)				
1/15/2003	Interest	L.A.I.F.	13,737.01				
1/30/2003	Deposit	L.A.I.F.	3,500,000.00				
<b>TOTAL INVESTMENT TRANSACTIONS</b>			<b>\$5,713,737.01</b>	<b>\$0.00</b>			

\* The earnings rate for L.A.I.F. is a daily variable rate; 2.31% was the effective yield rate at the Quarter ended December 31, 2002.

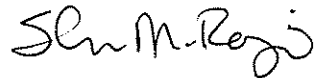
INVESTMENT STATUS  
 January 31, 2003

Financial Institution	Principal Amount	Number of Days	Interest Rate	Maturity Date
Local Agency Investment Fund	\$7,814,317.05			
Time Certificates of Deposit	0.00			
<b>TOTAL INVESTMENTS</b>	<b>\$7,814,317.05</b>			

Funds on hand are sufficient to meet all foreseen and planned Administrative and project expenditures during the next six months.

All investment transactions have been executed in accordance with the criteria stated in Chino Basin Watermaster's Investment Policy.

Respectfully submitted,



Sheri M. Rojo, CPA  
 Finance Manager  
 Chino Basin Watermaster

**CHINO BASIN WATERMASTER  
2002/2003 ACTUAL YEAR TO DATE REVENUES AND EXPENSES  
COMPARED WITH ADOPTED 2002/2003 BUDGET**

	<u>Jul '02 - Jan 03</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
<b>Ordinary Income/Expense</b>				
<b>Income</b>				
4010 · Local Agency Subsidies	26,628 93	20,000 00	6,628 93	133 15%
4110 · Admin Asmnts-Approp Pool	4,470,784 83	3,580,590 00	890,194 83	124 86%
4120 · Admin Asmnts-Non-Agri Pool	149,042 18	196,982 00	-47,939 82	75 66%
4200 · Grants	0 00	0 00	0 00	0 0%
4700 · Non Operating Revenues	38,094 58	132,890 00	-94,795 42	28 67%
4900 · Miscellaneous income	0.00	0.00	0.00	0.0%
<b>Total Income</b>	<u>4,684,550.52</u>	<u>3,930,462.00</u>	<u>754,088.52</u>	<u>119.19%</u>
<b>Gross Profit</b>	4,684,550 52	3,930,462 00	754,088 52	119 19%
<b>Expense</b>				
6010 · Salary Costs	285,441 57	414,173 00	-128,731 43	68 92%
6020 · Office Building Expense	46,651 48	123,845 00	-77,193 52	37 67%
6030 · Office Supplies & Equip.	16,000 95	27,500 00	-11,499 05	58 19%
6040 · Postage & Printing Costs	33,810 69	72,450 00	-38,639 31	46 67%
6050 · Information Services	47,571 47	101,800 00	-54,228 53	46 73%
6061 · Other Consultants	14,944 46	29,000 00	-14,055 54	51 53%
6062 · Audit Services	0 00	5,000 00	-5,000 00	0 0%
6063 · Public Relations Consultan	0 00	12,000 00	-12,000 00	0 0%
6065 · MWD Connection Fee	6,500 00	15,600 00	-9,100 00	41 67%
6066 · Engineering Services	0 00	90,000 00	-90,000 00	0 0%
6067.1 · General Counsel	62,186 98	71,000 00	-8,813 02	87 59%
6067.2 · Legal Services -Markot	90 36	5,000 00	-4,909 64	1 81%
6080 · Insurance	8,280 99	11,210 00	-2,929 01	73 87%
6110 · Dues and Subscriptions	11,878 89	13,500 00	-1,621 11	87 99%
6140 · Other WM Admin Expenses	1,189 11	2,300 00	-1,110 89	51 7%
6150 · Field Supplies	1,910 06	3,950 00	-2,039 94	48 36%
6170 · Travel & Transportation	16,422 99	25,500 00	-9,077 01	64 4%
6190 · Conferences & Seminars	7,682 35	14,500 00	-6,817 65	52 98%
6200 · Advisory Comm - WM Board	8,121 19	17,870 00	-9,748 81	45 45%
6300 · Watermaster Board Expenses	15,138 40	42,522 00	-27,383 60	35 6%
8300 · Appr PI-WM & Pool Admin	8,169 22	16,310 00	-8,140 78	50 09%
8400 · Agri Pool-WM & Pool Admin	10,801 19	18,710 00	-7,908 81	57 73%
8467 · Agri-Pool Legal Services	20,226 60	83,000 00	-62,773 40	24 37%
8470 · Ag Meeting Attend -Special	5,875 00	17,300 00	-11,425 00	33 96%
8500 · Non-Ag PI-WM & Pool Admin	3,082 03	4,462 00	-1,379 97	69 07%
6500 · Education Funds Use Expens	0 00	375 00	-375 00	0 0%
9500 · Allocated G&A Expenditures	-138,159.49	-286,120.00	147,960.51	48.29%
	<u>493,816 49</u>	<u>952,757 00</u>	<u>-458,940 51</u>	<u>51 83%</u>
6900 · Optimum Basin Mgmt Plan	488,123 72	810,777 00	-322,653 28	60 2%
6950 · Mutual Agency Projects	44,823 30	2,500 00	42,323 30	1,792 93%
9501 · G&A Expenses Allocated-OBMP	39,296.76	80,857.00	-41,560.24	48.6%
	<u>572,243 78</u>	<u>894,134 00</u>	<u>-321,890 22</u>	<u>64 0%</u>

CHINO BASIN WATERMASTER  
2002/2003 ACTUAL YEAR TO DATE REVENUES AND EXPENSES  
COMPARED WITH ADOPTED 2002/2003 BUDGET

	Jul '02 - Jan 03	Budget	\$ Over Budget	% of Budget
7101 · Production Monitoring	17,390.69	61,062.00	-43,671.31	28.48%
7102 · In-line Meter Installation	233,935.93	439,399.00	-205,463.07	53.24%
7103 · Grdwtr Quality Monitoring	110,273.04	321,829.00	-211,555.96	34.26%
7104 · Gdwtr Level Monitoring	54,258.55	205,916.00	-151,657.45	26.35%
7105 · Sur Wtr Qual Monitoring	19,924.65	85,161.00	-65,236.35	23.4%
7106 · Wtr Level Sensors Install	16,595.99	34,501.00	-17,905.01	48.1%
7107 · Ground Level Monitoring	367,980.60	801,070.00	-433,089.40	45.94%
7200 · PE2- Comp Recharge Pgm	118,799.10	184,168.00	-65,368.90	64.51%
7300 · PE3&5-Water Supply/Desalte	5,300.00	123,587.00	-118,287.00	4.29%
7400 · PE4-MZ1 Mgmt Plan	138,362.14	81,172.00	57,190.14	170.46%
7500 · PE6&7-CoopEfforts/SaltMgmt	100,571.05	58,299.00	42,272.05	172.51%
7600 · PE8&9-StorageMgmt/Conj Use	26,655.45	102,830.00	-76,174.55	25.92%
7690 · Recharge Improvement Debt Pymt	429,250.00	620,000.00	-190,750.00	69.23%
9502 · G&A Expenses Allocated-Projects	98,862.71	205,263.00	-106,400.29	48.16%
	<u>1,738,159.90</u>	<u>3,324,257.00</u>	<u>-1,586,097.10</u>	<u>52.29%</u>
<b>Total Expense</b>	<u>2,804,220.17</u>	<u>5,171,148.00</u>	<u>-2,366,927.83</u>	<u>54.23%</u>
<b>Net Ordinary Income</b>	1,880,330.35	-1,240,686.00	3,121,016.35	-151.56%
<b>Other Income/Expense</b>				
<b>Other Income</b>				
4231 · MZ1 Assigned Water Sales	0.00	615,000.00	-615,000.00	0.0%
4210 · Approp Pool-Replenishment	1,424,041.36			
4220 · Non-Ag Pool-Replenishment	8,567.35			
4230 · MZ1 Sup Wtr Assessment	1,586,000.00	1,670,049.00	-84,049.00	94.97%
<b>Total Other Income</b>	<u>3,018,608.71</u>	<u>2,285,049.00</u>	<u>733,559.71</u>	<u>132.1%</u>
<b>Other Expense</b>				
5012.4 · MZ1 Imported Water Purchase	0.00	699,000.00	-699,000.00	0.0%
5010 · Groundwater Replenishment	1,333,066.90	1,586,049.00	-252,982.10	84.05%
9999 · To/(From) Reserves	3,565,872.16	-1,240,686.00	4,806,558.16	-287.41%
<b>Total Other Expense</b>	<u>4,898,939.06</u>	<u>1,044,363.00</u>	<u>3,854,576.06</u>	<u>469.08%</u>
<b>Net Other Income</b>	<u>-1,880,330.35</u>	<u>1,240,686.00</u>	<u>-3,121,016.35</u>	<u>-151.56%</u>
<b>Net Income</b>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.0%</u>



# **CHINO BASIN WATERMASTER**

March 13, 2003

10:00 a.m. – Joint Non-Agricultural and  
Appropriative Pools

1:00 p.m. – Agricultural Pool

## **II. BUSINESS ITEMS**

### **A. OBMP STATUS REPORT #6**



# CHINO BASIN WATERMASTER

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**JOHN V. ROSSI**  
Chief Executive Officer

## STAFF REPORT

**DATE:** March 13, 2003  
**TO:** Appriative, Non-Ag, and Agricultural Pool Members  
**SUBJECT:** OBMP Implementation - Status Report No. 6

### SUMMARY

**Issue** – Compliance with Court Order requiring OBMP implementation progress reports.

**Recommendation** – Staff recommends that the Pools recommend to the Advisory Committee:

- Approval of Status Report No. 6,
- Authorize its filing with the Court prior to March 31, 2003, and
- Authorize staff and legal counsel to make non-substantive edits as necessary.

**Fiscal Impact** – None

### BACKGROUND

In accordance with the September 28, 2000 Order, progress reports are due to the Court on the last day of March and September of each year. Watermaster had indicated to the Court its intention to accelerate the reporting schedule from semi-annual to quarterly due to the rapid pace of the OBMP implementation. In a subsequent Order on October 17, 2002, the Court requested Watermaster provide periodic reports concerning various issues relating to the Interim Plan by the last day of June and December of each year. These reporting items are included within Watermaster's regular quarterly reports

### DISCUSSION

The reporting period for Status Report No. 6 is December 2002, January 2003, and February 2003. It utilizes the same format previously filed as a baseline from which to update the Court. The attached draft report outlines the progress and status of Watermaster programs and projects.

Staff recommends that the Pools forward their recommendations for approval of the report, authorize its filing, and authorization to staff and counsel to make minor edits as necessary.



# **Chino Basin Watermaster Status Report No. 6**

**(Covering December 2002 through February 2003)**



**DRAFT**

**March 2003**



# Draft Chino Basin Watermaster Status Report No. 6

## OPTIMUM BASIN MANAGEMENT PROGRAM

In its Order of September 28, 2000 extending the term of the nine-member Watermaster Board, the Court ordered Watermaster to provide semiannual reports regarding the progress of OBMP implementation. By a subsequent Order of October 17, 2002, the Court added additional reporting items. In Status Report Number 4, filed with the Court on September 30, 2002, Watermaster notified the Court that Watermaster intended to voluntarily accelerate the reporting schedule due to the rapid pace of OBMP implementation. In its Annual Report that was filed with the Court on January 31, 2003, Watermaster provided its intended schedule for future reporting. (See Watermaster 25<sup>th</sup> Annual Report Exhibit B.)

This Status Report Number 6 is filed pursuant to this schedule and will report on the period from December 1, 2002 to February 28, 2003.

### PROGRAM ELEMENT 1 – DEVELOP AND IMPLEMENT COMPREHENSIVE MONITORING PROGRAM

#### Groundwater Level Monitoring

**Four Active Monitoring Programs.** Watermaster has four active groundwater level monitoring programs operating in the Chino Basin – a semiannual Basinwide program, two semi-monthly programs associated with the Chino-I and Chino-II Desalter well fields, and an intensive water-level monitoring program associated with land-surface monitoring (see Land Surface Monitoring below) in Management Zone 1.

**Semiannual Water-Level Monitoring Program.** Watermaster initiated the semi-annual Basin-wide groundwater-level monitoring program in 1999. The Fall 2002 round of testing began in October and was completed in December 2002. The Spring 2003 round of testing will begin in April and will be completed in June 2003.

**Chino I and Chino II Desalter Well Field Monitoring Programs.** Watermaster staff continued to collect groundwater level data at about 250 wells twice per month in and around the Chino-I and Chino-II Desalter well fields during this reporting period.

**Ongoing MZ-1 Interim Monitoring Program.** Watermaster consultants have initiated a groundwater-level monitoring program to collect data at about 45 wells in the southern portion of MZ-1 (City of Chino area). Data is being collected manually at all wells at least once per month and by automated pressure transducers at selected wells at least once every 15 minutes.

**Application for the Local Groundwater Assistance Fund.** Watermaster filed an application for \$250,000 from the Local Groundwater Assistance Fund, sponsored by the California Department of Water Resources (DWR). This funding would allow construction of piezometric monitoring wells for measuring Chino Basin groundwater levels in the Prado Flood Control Basin near the Santa Ana River. The wells would inform



## Draft Chino Basin Watermaster Status Report No. 6

Watermaster if OBMP projects are causing groundwater to discharge into the Santa Ana River. Watermaster expects to hear from the DWR before the end of April 2003.

### Groundwater-Quality Monitoring

During Fall 2001 and Spring 2002, Watermaster completed a reduced-scale groundwater quality monitoring survey for wells in the capture zone of the existing and proposed desalter wells. Partial funding was provided through the California State Water Resources Control Board under Section 205(j) of the Federal Clean Water Act, Agreement Number 00-199-250-0. The draft 205(j) Report was submitted to the SWRCB in October 2002.

**Complexity of Quality Conditions, Changing Regulations Prevent Development of Key Well Program.** As reported in the Status Report No. 4, a key well program was not developed for groundwater quality because of the complexity of the water-quality conditions encountered in the basin during the initial monitoring round and the constantly evolving water-quality regulations. Based on information collected during the next three-year round of sampling, Watermaster plans to review the development of a key well program.

**Began Three-Year Sampling Program of All Accessible Private Wells.** During this quarter, Watermaster began the first year of another three-year sampling program in which all accessible private wells in the southern portion of Chino Basin will be sampled (about 150 wells per year). Through the end of February 2003, about 100 wells had been sampled.

**Continued Cooperative Monitoring of Most Other Wells In Basin.** The remaining 50 wells will be sampled before the end of the next quarter. Watermaster is continuing the cooperative monitoring program described in the Implementation Plan. Watermaster obtains data every six months from the Department of Health Services for the municipal water agencies and from the Department of Toxic Substances Control and the Regional Board for most of the other wells in the Basin. All this data is contained in a relational database.

### Extensive Range Of Substances Being Tested

- All groundwater samples are being analyzed for general mineral and general physical parameters.
- Wells that were not previously sampled and analyzed for constituents that were added to the evolving groundwater quality-monitoring program (e.g., hexavalent chromium, silica, barium, etc.) in 1999-2001, are being sampled for those constituents.
- Wells within or near the two Volatile Organic Compound (VOC) plumes are being analyzed for VOCs, in addition to the other parameters.
- All wells are being analyzed for perchlorate due to its widespread presence in the 1999-2001 sampling program.
- Analysis for 1,2,3-trichloropropane has been added to the monitoring program for all wells. This chemical was detected in several wells above 50 parts per trillion (old detection limit).



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**New Testing Method Measures Parts Per Trillion of TCP.** In the 2002-03 monitoring program, a new analytical methodology is being used to achieve a detection limit of 5 ppt for 1,2,3-TCP, which is its California Action Level. The wells chosen for the 2002-03 monitoring program are primarily located between the Chino I Desalter well field and the Santa Ana River. These wells were prioritized for 2002-03 to aid in the development of a monitoring program to demonstrate hydraulic control in the southern portion of Chino Basin. (See the hydraulic control discussion in Program Elements 6 and 7 below.)

### Groundwater Production Monitoring

**Two Additional Meter Vendors Retained. All Meters Scheduled for Installation Before July 2003.** The primary activity with regard to production monitoring continues to be the installation of meters on wells operated by members of the Agricultural Pool. Initially, Watermaster counted about 570 active agricultural wells. Watermaster's intends to equip 420 of these wells with operating meters. The other 150 wells were forecasted to be inactive or destroyed within two years. As of January 31, 2003, 295 of these wells are metered with the remainder to be metered by June 30, 2003. Four vendors are installing the remaining meters.

**All Producing Wells Are Monitored Quarterly.** Watermaster staff reads private wells with meters. A method appropriate to the Chino Basin area is used to estimate production at privately owned wells that do not have meters.

**Need For Water Use Disposal Form To Be Reviewed.** The OBMP Implementation Plan includes a provision that requires the producers to submit a water use and disposal form describing the sources of water used by each producer and how that water is disposed of after each use. The water use and disposal form and reporting has not been implemented, because much of the information that would have been collected using this form is being collected as part of other monitoring activities and analyses. Watermaster anticipates discussions regarding the need for this form after completion of the Dry Year Yield Engineering Analysis and completion of phase 1 of the hydraulic control-monitoring program.

### Surface Water Monitoring

**Measure Water Quality and Water Levels In Recharge Basins.** Watermaster conducts a surface water-monitoring program to measure the water quality of water in recharge basins and the water levels in some of these basins. The purpose of this program is to estimate the volume and quality of recharge. This information will be used in subsequent years to estimate the safe yield of the basin and for other management purposes. During this reporting period, Watermaster staff has collected water quality samples at selected recharge basins following rainstorms if storm water is stored in the basins.

IN THIS REPORTING PERIOD. Thirty-two (32) composite samples (including repeat sampling) have been collected from November 8, 2002 through March 3, 2003. Sampling will continue through the remainder of the 2002-03 storm season.

**Surface Water Monitoring For Santa Ana River To Begin In May 2003.** One of the goals of the OBMP is to maximize Chino Basin yield. One of the key ways to maximize yield is to minimize groundwater discharge to the Santa Ana River and, in some reaches



## Draft Chino Basin Watermaster Status Report No. 6

of the River, to maximize recharge of the Santa Ana River into the Chino Basin. Watermaster developed a surface-water monitoring program for the Santa Ana River that, in conjunction with Watermaster groundwater-monitoring programs, will be used to characterize what reaches of the River are gaining water from, or losing water to, the Basin, and to determine if significant discharge of Chino Basin groundwater to the Santa Ana River is occurring. Surface water monitoring for the Santa Ana River is scheduled to begin in May 2003. A conceptual monitoring plan involving the Inland Empire Utilities Agency, Orange County Water District, Regional Water Quality Control Board, and Watermaster was finalized.

IN THIS REPORTING PERIOD, IEUA, OCWD, Regional Board and Watermaster determined that the conceptual monitoring plan was adequate and determined to move forward with the development of a detailed workplan to implement a surface water and groundwater-monitoring program. The workplan is in preparation and should be completed by the end of March 2003.

### Land Surface Monitoring

Watermaster staff is developing a multifaceted land-surface monitoring program to develop data that will assist in the development of a long-term management plan for Management Zone 1. The monitoring program consists of three main elements:

1. An aquifer-system monitoring facility located in the southern portion of Management Zone 1 – an area that has experienced concentrated and differential land subsidence and ground fissuring. One major component of the aquifer-system monitoring facility is multiple-depth piezometers that measure water level and pressure changes at 11 different depths. Another major component will be a dual borehole extensometer that measures deformation within the aquifer-system at deep and shallow levels. The extensometer is expected to be installed in June of 2003. Together, the two devices will correlate the hydraulic and mechanical responses of the aquifer system to different aquifer-stresses, such as pumping at wells.
2. Synthetic aperture radar interferometry (InSAR) that will measure land surface deformation across the entire Chino Basin.
3. Benchmark surveys along selected profiles of Chino Basin. The benchmark surveys will (1) establish a datum from which to measure future land surface deformation, (2) "ground-truth" the InSAR data, (3) allow determination of historical subsidence at any historical benchmarks that can be recovered, and (4) evaluate the effectiveness of the long-term management plan. During the current period, the MZ-1 Technical Committee approved the proposed selected profiles for benchmark surveys.

**New Monitoring Equipment Installed at Piezometers and Nearby Wells.** Permanent transducers and data logging equipment were installed at the piezometers and are recording depth-specific groundwater-level data. Where possible, transducers were installed in wells owned by the cities of Chino and Chino Hills, and are recording groundwater-level data and "on/off" pumping cycles at production wells. The State of



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California (CIM) has yet to approve an access agreement, and as a result, water level and production monitoring has not begun at CIM wells.

**Alternative Monitoring Equipment Installed At Other Wells Where Necessary.** Some wells owned by the cities of Chino and Chino Hills cannot be equipped with transducers. In these cases, alternative equipment that monitors parameters within the discharge pipe or pump motor electrical system will be used to record "on/off" pumping cycles at such production wells. This equipment will be tested in March 2003. It is anticipated that all monitoring equipment be installed by April 2003 assuming an access agreement is executed with CIM.

**Reconnaissance-level pumping tests are planned for April 2003 and are being discussed at the MZ-1 Technical Committee meetings** (see Program Element 4 below). These pumping tests will reveal the effects of nearby pumping on water-levels at the piezometers, and will assist in the final design of the extensometer and the design of a comprehensive aquifer-system testing program that will follow the completion of the extensometer.

**No significant activity occurred with regard to InSAR monitoring during this period.**

**Benchmark Survey Approved.** The MZ-1 Technical Committee approved the final design of the benchmark survey profiles and monument distribution during this period. A sub-consultant is being contracted to install the monuments beginning in March 2003. The initial ground-level survey is planned for April 2003 by same sub-consultant.

**Watermaster Approves Monitoring Work Plan and Budget.** At the February 27, 2003 meetings of the Advisory Committee and Watermaster Board, the Land Surface Monitoring plan and related \$178,000 budget were approved.

### **Well Construction, Abandonment and Destruction Monitoring**

Watermaster staff monitors the condition of wells on a regular basis. Wells that may be improperly destroyed or abandoned are reported to Riverside and San Bernardino Counties as they are discovered.

Watermaster staff inspected 107 abandoned wells during a 2002-03 field inspection. It was determined that 72 of the wells were properly abandoned and 35 wells would require some modification to meet the standard for a properly abandoned well. A repair program was prepared and approved by Watermaster. Prior to startup of repair, a review of currently abandoned wells has been initiated and an additional 25 wells have been identified as abandoned. Field inspection of these is under way. Upon completion of inspection, the wells needing "repair" will be added to the 35 wells previously identified. Because of continued development in the agricultural area (additional abandoned and destroyed wells), the number of abandoned wells in need of "repair" may change. A repair program contract is being prepared. Field repair is expected to begin in April 2003, with completion in three to six months. Riverside and San Bernardino Counties will be advised of the results. Ongoing land development will require continued well abandonment activity by Watermaster.



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## PROGRAM ELEMENT 2 – DEVELOP AND IMPLEMENT COMPREHENSIVE RECHARGE PROGRAM

The recharge element of the OBMP is one of the centerpieces of the OBMP since it is through the enhancement of the recharge capacity of the Basin that water in the Basin that is available for use can be maximized.

### Recharge of 6,500 Acre-Feet of Supplemental Water in Management Zone 1

Through the end of December, approximately, 500 acre-feet of Supplemental Water had been spread at the Montclair Basins in Management Zone 1.

**A Management Zone 3 technical committee had been established to address issues regarding recycled water recharge in Management Zone 3.** Representatives participating on the Committee are from Jurupa Community Services District, Inland Empire Utilities Agency, Watermaster, Fontana Water Company, Ontario and Western Municipal Water District. In addition, IEUA and JCSD have executed an MOU regarding the recycled water recharge that resolved their concerns. Concerns expressed by the Western Representative have not yet been resolved but are anticipated to be resolved both by the maximum benefit demonstration that has been submitted to the RWQCB and through the MZ3 committee process.

### Recharge Facilities Improvement Project Design Status

- **Dec. 2002** Complete civil work for Bid Package No. 1. Issue Bid Package No. 1, which includes the Banana, College Heights, Lower Day, RP-3, Turner No. 1, and Turner No. 2,3, & 4 Facilities. Order rubber dams. Conduct job walk for Bid Package No. 1 on December 16. Over 40 potential bidders attended. Issued final plans and specifications for bidding on December 31.
- **Jan 2003** Conduct second job walk for contractors.
- **Feb 2003** Bids for Package No. 1 due on February 10. Award of contract by IEUA on February 19. Receive non jurisdictional determinations from USACE for 12 flow-by basins.
- **Mar 2003** Issue NTP by March 19. Complete civil work for Bid Package No. 2 consisting of rubber dams and inlet structures and basin improvements at Ely, Declerz and 8<sup>th</sup> Street, Upland, and Victoria Basins. Advertise Bid Package No. 2. Obtain regulatory clearances and permits. Issue Bid Package No. 2, conduct job walk, and receive bids.
- **April 2003** Approve contract for Bid Package No. 2 and issue NTP.
- **Mar 2004** Construction of the Chino Recharge Basin Facilities Improvement Project to be completed.



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## Brooks Street Basin Diversion Structure and Pipeline

Engineering work performed for the Brooks Street Basin included continued design of the drop inlet structure within San Antonio Creek Channel and the diversion pipeline into Brooks Street Basin. An alternative diversion pipeline profile is being analyzed that would utilize jack & bore construction methods due to the proposed depth of the pipe. The alternative offers the advantage of less disruption of the landowners business than typical cut and fills type pipeline construction, proposed originally.

## Pre-Purchase of Rubber Dams

Rubber dams will constructed/installed at the following locations:

- o Basin/Channel
- o College Height Basin/San Antonio Channel
- o Lower Day Basin/Day Creek Channel
- o RP-3 Basins/Declez Channel
- o Turner Basin No. 1/Cucamonga Channel

Coordination meetings were held with Bridgestone, IEUA and T&A during the month of December to finalize the purchase order and conference calls were conducted to coordinate design and bidding efforts with Bridgestone. The rubber dams will be limited to a height of 1/3 the height of the flood control channel, avoiding topping the channel in a 500-year storm.

The IEUA Board of Directors approved the purchase order with Bridgestone at the December 18, 2002 Board Meeting. Delivery of hardware is expected in six weeks, and delivery of the rubber dams will take approximately 4 months

## Future Design Packages

**Six additional design packages will be bid during the next 6 months.**

### BID PACKAGE NO. 2A AND 2B-EXPECTED CONTRACT AWARD IN APRIL 2003

- o Declez Basin
- o Eighth Street Basins
- o Ely Basins
- o Upland Basin
- o Victoria Basin
- o Brooks Street Drop Inlet/Pipeline
- o College Heights Rubber Dam
- o Lower Day Basin Rubber Dam
- o RP-3 Basins Rubber Dam
- o Turner No. 1 Basin Rubber Dam
- o Turner Nos. 2,3, & 4/Turner No. 1 Drop Inlet Structure





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## Future Design Packages

**Six additional design packages continued.**

### BID PACKAGE NO. 3 –EXPECTED CONTRACT AWARD ON MAY 13

- o Hickory Basin Pump Station
- o Jurupa Pump Station

### BID PACKAGE NO. 4-EXPECTED CONTRACT AWARD ON MAY 26

- o Hickory Basin Force main
- o Jurupa Basin Force main

### BID PACKAGE NO. 5-CONTRACT AWARD DATE TO BE DETERMINED:

- o Etiwanda Conservation Ponds – Bid package No. 5

### BID PACKAGE NO. 6: CONTRACT AWARD DATE TO BE DETERMINED

- o SCADA Control System

### BID PACKAGE NO. 7: CONTRACT AWARD DATE TO BE DETERMINED

- o MWD Turnouts



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PROGRAM ELEMENT 3 –  
DEVELOP AND IMPLEMENT WATER SUPPLY PLAN FOR THE IMPAIRED AREAS OF  
THE BASIN; AND

PROGRAM ELEMENT 5 –  
DEVELOP AND IMPLEMENT REGIONAL SUPPLEMENTAL WATER PROGRAM

## Status Report on Desalters

These program elements focus on the shift of production in the Southern end of the Basin away from agricultural uses toward urban uses. Without the OBMP, this land use conversion would have resulted in a decrease in production in the Southern end of the Basin, which would ultimately have led to rising water levels. If groundwater levels in the Southern end of the Basin rise too high, then water may "spill" out of the Basin and into the Santa Ana River. Such uncontrolled spillage could reduce the overall Safe Yield of the Basin and must be managed by optimization.

Directly tied to the threat of rising water levels in the Southern area is the impaired ability of producers in the Southern end of the Basin to pump water due to water quality concerns. The ability to compensate for the loss of agricultural production with increased appropriative production is inhibited because of water quality concerns in this part of the Basin. Production in this area therefore requires water treatment. This issue is addressed through the construction of desalter facilities.

## Status Report on the Chino Desalters

In May 2001, the Santa Ana Watershed Project Authority (SAWPA) completed the first Chino Basin desalter. This desalter was built to have a capacity of up to eight million gallons per day (mgd).

In the year 2000, California voters passed Proposition 13 (the Water Bond) that included significant funding opportunities to construct additional desalters in the Chino Basin. In order to take best advantage of this funding opportunity, a joint powers agency now known as the Chino Basin Desalter Authority (CDA) was formed to purchase the Chino I Desalter from SAWPA and to construct and operate the Chino I Expansion and Chino II Desalters. The formation of this entity has been described in great detail to the Court in previous progress reports.

**The Chino I Desalter Expansion Project.** This includes construction of 4.9 million gallons per day (mgd) of expanded treatment capacity (nitrate removal) in parallel with the existing treatment facilities, as well as associated raw water and product water delivery facilities. The Chino I Desalter was originally constructed by SAWPA to provide a total of 9,200 acre-feet per year of product water deliveries. The expansion project aims to



## Draft Chino Basin Watermaster Status Report No. 6

provide an additional 5,000 acre-feet per year of water deliveries. The product water will have TDS and nitrate concentrations of 350 mg/L and 25 mg/L, respectively. The CDA authorized the drilling and awarded a contract for the Chino I Desalter Expansion wells.

Watermaster staff and consultants have been involved in reviewing the proposed well designs for new wells for the Chino I desalter. Watermaster's role has been to make sure that the well designs are consistent with the intent of the OBMP and Peace Agreement. Three of the four Desalter 1 expansion wells have been drilled. The fourth well is pending.

**\$1.5 million Savings Achieved.** Revised product water delivery alignments were made which created approximately \$1.5 million in savings.

**The Chino II Desalter Project.** This includes 10 mgd of new treatment capacity, as well as raw water and product water delivery facilities. The final design of the Chino II Desalter is planned for completion in May 2003. The sites for the Chino II raw water supply wells are in the final stages of acquisition. Also, the well drilling contracts are under development.



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## PROGRAM ELEMENT 4 – DEVELOP AND IMPLEMENT COMPREHENSIVE GROUNDWATER MANAGEMENT PLAN FOR MANAGEMENT ZONE 1

Program Element 4 details the steps to be taken by Watermaster to reduce or abate subsidence and fissuring in Management Zone 1.

**Progress Made By The MZ1 Technical Committee.** The MZ1 Technical Committee twice during this reporting period. At these meetings, the MZ-1 Interim Monitoring Program, with schedule and budget, was reviewed, revised, and approved for recommendation to Watermaster Pool committees and board. Committee representatives also were informed of the status of the various efforts to implement the monitoring program. A date of March 12, 2003 has been selected for the next meeting.

**A meeting occurred during this period with the City of Chino Hills, Monte Vista Water District, and Watermaster staff regarding the use of deep well injection as a possible element of the MZ-1 long-term management plan.** This concept will be discussed in more detail at the next MZ-1 Technical Committee meeting.

Other ongoing monitoring efforts under the Interim Plan are reported above under the Land Surface Monitoring section of Program Element 1.

**There have been no observed impacts of volunteer participation in the Interim Plan.** Installation of the monitoring equipment is not complete, but should be by the end of January 2003. Logic leads one to expect that reducing production in the area will not exacerbate the problem of subsidence and fissuring, and may help reduce the potential for its occurrence to the extent it is production related.



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PROGRAM ELEMENT 6 –  
DEVELOP AND IMPLEMENT COOPERATIVE PROGRAMS WITH THE REGIONAL  
WATER QUALITY CONTROL BOARD, SANTA ANA REGION (REGIONAL BOARD)  
AND OTHER AGENCIES TO IMPROVE BASIN MANAGEMENT; AND

PROGRAM ELEMENT 7 –  
DEVELOP AND IMPLEMENT SALT MANAGEMENT PROGRAM

**Cooperative Programs with Regional Board and other Entities.** The "water quality committee" as envisioned in the OBMP Implementation Plan has not been formally constituted. Since the development of the OBMP, Watermaster has worked closely with the Regional Water Quality Control Board, the Department of Toxic Substances Control, and others to define water quality challenges and to refine the water quality management criteria in the Chino Basin. During the next period, (starting in March 2003) Watermaster will start a process to review water quality conditions in the Basin and to consider future water quality management activities beyond the Chino Basin desalting program.

**Water Quality Management.** In response to the results of Regional Board and Watermaster's groundwater-quality monitoring programs (Program Element 1) Watermaster has refined its water quality monitoring to identify and characterize water-quality anomalies such as the VOC anomaly north of the Chino I Desalter well field. Watermaster staff is participating in the process to develop TMDL's for Reach 3 of the Santa Ana River and other water bodies in the lower Chino Basin. Watermaster staff is coordinating with the Regional Water Quality Control Board with regard to surface water quality and the Department of Toxic Substances Control with regarding to developing a monitoring program to track perchlorate in groundwater in the Glen Avon area.

### **Watermaster and Regional Board Propose TDS and Nitrogen Objectives to Promote Maximum Benefit of Waters Available to the Chino Basin**

Watermaster staff has been working with the TIN/TDS Task Force to revise the subbasin boundaries, and the TIN and TDS objectives for the Chino Basin to promote maximum beneficial use of waters in the basin (as opposed to the Regional Board's current, more rigid antidegradation-based objectives). The maximum beneficial use approach will increase water supplies and lower costs over time while meeting water quality requirements. In December 2002, Watermaster proposed specific subbasin boundaries, and TIN and TDS objectives for the Chino Basin to the RWQCB at a workshop regarding the Basin Plan update. The TIN/TDS Task Force and the Regional Water Board have reacted favorably to the Watermaster proposal, have modified it slightly, and it is Watermaster's belief that the modified Watermaster proposal will be included in the Basin Plan update that will occur in 2003.

**Cooperative Effort to Determine State of Hydraulic Control.** One outstanding issue to resolve regarding the Basin Plan changes is to develop a monitoring plan to evaluate the state of hydraulic control in the southern end of the basin. Hydraulic control is one tool that can be used to maximize the safe yield of the basin. Watermaster staff developed a monitoring program for OBMP purposes and described this effort in the Initial State of the Basin Report (October 2002). The execution of this monitoring program is included in



## **Draft Chino Basin Watermaster Status Report No. 6**

Program Element 1. IEUA, OCWD and the Regional Board are very interested in the hydraulic control management concept as a means to protect the water quality of the Santa Ana River. Hydraulic control will become a commitment of Watermaster if the proposed subbasin boundaries, and TIN and TDS objectives for the Chino Basin are adopted. Watermaster, OCWD and Regional Board staffs are working to develop a monitoring program to assess the state of hydraulic control and to provide information to Watermaster to manage future production and recharge. The initial phase of the monitoring program should be initiated this fiscal year and completed by June 30, 2003. This program will change or adapt over time as new information is developed and will last for several years. The coordination and review of the hydraulic control monitoring data and the development of management programs to maintain hydraulic control have been added to Program Element 6 and 7.

### **Salt Budget Tool Was Used To Establish TDS Objectives**

Watermaster has developed a salt budget tool to estimate the current and future salt loads to the Basin and the salt benefits of the OBMP. This tool was used to establish TDS objectives for the northern part of the Basin based on maximum beneficial use of water available to the region. These projections were based on the water supply plan in the Implementation Plan and include alternative recycled water and State Project water recharge scenarios. Watermaster consultants are currently preparing a letter report describing the salt budget and how it will benefit the Chino Basin. This letter will be submitted to Watermaster for consideration by the parties by March 31, 2003.



# Draft Chino Basin Watermaster Status Report No. 6

**PROGRAM ELEMENT 8 – DEVELOP AND IMPLEMENT GROUNDWATER STORAGE MANAGEMENT PROGRAM; AND**

**PROGRAM ELEMENT 9 – DEVELOP AND IMPLEMENT STORAGE AND RECOVERY PROGRAM**

This section summarizes the work accomplished to date and the work planned over the next few months for the Chino Basin Dry Year Yield (DYY) Program. The DYY Program is a conjunctive use program between the Metropolitan Water District of Southern California (Metropolitan) and several Basin appropriators, which would develop a maximum of 100,000 AF of storage. This Program also explores the potential for using up to 500,000 AF of safe storage capacity.

**Conducted CEQA Coordination.** Inland Empire Utilities Agency (IEUA) presented the CEQA Findings of Consistency (FOC) to its Board for certification in December 2002. Subsequent to the Board's approval of the FOC, an addendum to the FOC was prepared on behalf of Cucamonga County Water District for addition of a third well to its initially proposed DYY facilities. It is anticipated that approval of this Addendum will occur during the next few months.

**Confirm Facilities and Locations.** Additional effort was made to confirm the DYY Program facilities and locations. Each participating agency was given the opportunity to review its facility preferences and make modifications, if necessary. Several agencies requested additional facilities or modifications to previously proposed facilities, and yet to finalize their facility preferences.

**Develop Preliminary Design Report.** The Preliminary Design Report (PDR) is under development and a draft will be prepared during the next few months. The PDR will be split into multiple volumes, one for each participating agency. Preliminary facility layout drawings and pipeline plans and profiles have been completed. Detailed descriptions of each groundwater treatment and well facility will be addressed over the next few months.

**Conduct Groundwater Modeling.** The groundwater model is near completion and simulations of DYY Program scenarios will be conducted. The model results will be summarized in the PDR.

**Develop Shift Obligation and Funding Approach.** Participants in the DYY Program will be required to reduce (shift) their imported water usage by a predetermined amount during a dry year. The project participants have agreed on a funding allocation methodology and have submitted written requests for funding and shift obligation levels subject to individual agency approvals of the final contract terms.

**Develop Funding and Local Agency Agreements.** A draft Groundwater Storage Program Funding Agreement between Metropolitan, IEUA, Three Valleys Municipal Water District (TVMWD), and Watermaster was prepared and presented to Metropolitan. A draft Local Agency Agreement between IEUA and Watermaster was also prepared. This Local Agency Agreement includes input from all of the participating agencies. These draft agreements will be finalized over the next few months.



# Draft Chino Basin Watermaster Status Report No. 6

## ADMINISTRATIVE UPDATE

### Watermaster Staff Restructured

Watermaster created the new Chief Executive Officer position in November 2000, which was subsequently filled in July of 2001. The Watermaster Board, at its June 17, 2002 meeting, formed a Personnel Committee. The committee is comprised of three Board members, Terry Catlin, Mike McGraw, and Dennis Yates, the Advisory Committee Chair Ken Jeske, the Appropriative Pool Chair Ray Wellington, and the Ag Pool appointee Nathan DeBoom. With the Board rotation in January 2003, Mike McGraw is no longer on the Board or the Committee.

**Unanimous Decision of Personnel Committee.** The committee met with staff and Watermaster's employment attorney to develop a revised organizational structure to better meet the various demands on Watermaster staff. After five meetings, the Committee, staff, and counsel made a unanimous recommendation to the Board to revise the organization. The revision includes the following:

- 1) Creation and recruitment of Executive Asst., Secretary, and Project Engineer positions
- 2) Recruitment of the existing Senior Engineer position
- 3) Elimination of three positions
  - a. Election to terminate the contract of the Chief of Watermaster Services
  - b. Termination of the employment of the Water Resource Specialist
  - c. The Administrative Assistant will retire in October 2003

**Many factors were considered in developing the new structure. Some of the wide-ranging considerations in the restructurings include:** Watermaster's ongoing responsibilities and projects, current and anticipated workload, short- and long-term needs of Watermaster, position responsibilities and requirements, supervision and delegation of work and positions, efficiencies and excesses, necessary skills and supervision, actual job duties and descriptions, current positions and their duties and descriptions, as well as the costs of the positions and the Watermaster budget.

**Key Change: Non-Permanent Projects Will Rely on Consultants.** The Chief Executive Officer and Committee recommended that Watermaster should utilize outside consultants for projects that are non-permanent, while defining internal staff positions that concentrate on long-term functions. Although Watermaster continues to perform duties related to the Optimum Basin Management Plan, the question will remain for a few years as to whether the current workload will be maintained or decreased as projects pass from development to operations. Because Watermaster does not own and operate facilities, such projects as the MWD Dry Year Yield Project, the Recharge Facilities Improvement Project, and the longer term Storage and Recovery Project will consume large amounts of staff time for a limited time. Once the projects move into design and construction, the development, negotiation, and planning aspects will ebb. However, certain activities such as long-term monitoring, accounting for basin production, recurring reporting, and court filings will continue unabated into the future and be staffed by permanent employees.





# **Draft Chino Basin Watermaster Status Report No. 6**

## **CONCLUSION**

Watermaster efforts to implement the Optimum Basin Management Program continue at a rapid pace. Watermaster looks forward to continuing this trend in order to further optimize the Chino Basin as a resource to the parties to the judgment and the communities served.



# **CHINO BASIN WATERMASTER**

March 13, 2003

10:00 a.m. – Joint Non-Agricultural and  
Appropriative Pools

1:00 p.m. – Agricultural Pool

## **II. BUSINESS ITEMS**

**B. CONSIDER NOTICE TO TERMINATE CURRENT  
OFFICE LEASE**



# CHINO BASIN WATERMASTER

8632 Archibald Avenue, Suite 109, Rancho Cucamonga, Ca 91730  
Tel: 909.484.3888 Fax: 909.484.3890 www.cbwm.org

**JOHN V. ROSSI**  
Chief Executive Officer

## STAFF REPORT

**DATE:** March 13, 2003  
**TO:** Appropriative, Non-Ag, and Agricultural Pool Members  
**SUBJECT:** Provide Notice to Terminate Current Office Lease

### SUMMARY

**Issue** – Watermaster to provide notice to terminate lease in order to re-locate to office's owned by Cucamonga County Water District (CCWD).

**Recommendation** - Staff recommends that the Pools forward a recommendation to the Advisory Committee authorizing staff to provide notice to Rancho Tech. LLC (current landlord) of the Watermaster's intent to terminate its lease on or about September 30, 2003.

**Fiscal Impact** – Costs associated with the termination of the lease, the re-location to offices owned by CCWD, and other related expenditures will be budgeted in fiscal 2003-2004. Preliminary estimates, provided at a previous meeting indicated that costs for the lease, electricity, and security should be within current budget parameters. Additional costs for relocation and leasehold improvements will be submitted in next years budget proposal.

### BACKGROUND

In 1996, the Watermaster signed a five-year lease to occupy offices at 8632 Archibald in the city of Rancho Cucamonga. In March of 2001, the lease was amended for an additional three-year period. The amendment allows for a one-time early termination on September 30, 2003, if a six month notice is given before April 1, 2003.

### DISCUSSION

Over the past year and a half, staff has been researching the opportunity to relocate to an office building currently owned and occupied by the Cucamonga County Water District. In November 2001, the Board took an action directing staff to pursue the opportunity to relocate the offices of Watermaster and to negotiate lease terms for further consideration.

In the past year, the adjacent office building to the south, owned by the same landlord, has been leased to the Department of Motor Vehicles. This has caused difficulties related to parking and security. Additionally, the landlord has indicated that he is renting the building to the west to County Social Services. It is expected that the building will be occupied in April by up to 200 employees and will service the public. Staff anticipates that this will cause significant problems with parking for Watermaster meetings. Pending the outcome of the County's move-in, Watermaster may have to look for alternative meeting locations until such time as the offices are relocated. Staff will continue to work with the landlord regarding the parking situation.

Watermaster staff is working with staff at Cucamonga County Water District to develop appropriate lease terms. Staff will bring back the lease terms for subsequent consideration in 60 days. Staff recommends that the Watermaster move forward with providing notice to the current landlord of Watermaster's intent to exercise the early termination clause of the current office lease.



# CHINO BASIN WATERMASTER

March 13, 2003

10:00 a.m. – Joint Non-Agricultural and  
Appropriative Pools

1:00 p.m. – Agricultural Pool

## II. BUSINESS ITEMS

### C. WATER TRANSACTION



# CHINO BASIN WATERMASTER

8632 Archibald Avenue, Suite 109, Rancho Cucamonga, Ca 91730  
Tel: (909) 484 3888 Fax: (909) 484-3890 www.cbwm.org

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**JOHN V. ROSSI**  
Chief Executive Officer

**DATE:** March 13, 2003  
**TO:** Watermaster Committee Members  
**SUBJECT:** Summary and Analysis of Application for Water Transaction

## Summary

There does not appear to be a potential material physical injury to a party or to the basin from the proposed transaction as presented.

**Issue** - Notice of Sale or Transfer of Right to Produce Water In Storage From the City of Chino to the City of Ontario in the amount of 6,000 acre-feet of water.

## Recommendation –

1. Continue monitoring as planned in the Optimum Basin Management Program.
2. Use all new or revised information when analyzing the hydrologic balance and report to Watermaster if a potential for material physical injury is discovered, and
3. Approve the transaction as presented.

## Fiscal Impact –

- None
- Reduces assessments under the 85/15 rule
- Reduce desalter replenishment costs

## Background

The Court approved the Peace Agreement, the Implementation Plan and the goals and objectives identified in the OBMP Phase I Report on July 13, 2000 and ordered Watermaster to proceed in a manner consistent with the Peace Agreement. Under the Peace Agreement, Watermaster approval is required for applications to store, recapture, recharge or transfer water, as well as for applications for credits or reimbursements and storage and recovery programs.

Where there is no material physical injury, Watermaster must approve the transaction. Where the request for Watermaster approval is submitted by a party to the Judgment, there is a rebuttable presumption that most of the transactions do not result in Material Physical Injury to a party to the Judgment or the Basin (Storage and Recovery Programs do not have this presumption).

The following application for a water transaction is attached with the notice of application.

- Notice of Sale or Transfer of Right to Produce Water In Storage From the City of Chino to the City of Ontario in the amount of 6,000 acre-feet of water.

Notice of the water transaction identified above was distributed on January 28, 2003 along with the materials submitted by the requestors.

**DISCUSSION**

This transfer occurs between a producer located in Management Zone 1 to a producer located within Management Zones 1, 2, and 3 and has been recommended by the Watermaster Engineer as a good interim management practice for the basin and for Management Zone 1.

Water transactions occur each year and are included as production by the respective entity (if produced) in any relevant analyses conducted by Wildermuth Environmental pursuant to the Peace Agreement and the Rules & Regulations. There is no indication additional analysis regarding these transactions is necessary at this time. As part of the OBMP Implementation Plan, continued measurement of water levels and the installation of extensometers are planned. Based on no real change in the available data, we cannot conclude that the proposed water transaction will cause material physical injury to a party or to the Basin.

**NOTICE OF APPLICATION(S) RECEIVED**

Date of Applications: **January 27, 2003**      Date of this notice: **January 28, 2003**

Please take notice that the following Application has been received by Watermaster:

- A. Notice of Sale or Transfer of Right to Produce Water In Storage from the City of Chino to the City of Ontario in the amount of 6,000 acre-feet of water

This *Application* will first be considered by each of the respective pool committees on the following dates:

Agricultural Pool:	February 13, 2003
Appropriative Pool:	February 13, 2003
Non-Agricultural Pool:	February 13, 2003

This *Application* will be scheduled for consideration by the Advisory Committee *no earlier than thirty days from the date of this notice and a minimum of twenty-one calendar days* after the last pool committee reviews it.

After consideration by the Advisory Committee, the *Application* will be considered by the Board.

Unless the *Application* is amended, parties to the Judgment may file *Contests* to the *Application* with Watermaster *within seven calendar days* of when the last pool committee considers it. Any *Contest* must be in writing and state the basis of the *Contest*.

Watermaster address:

Chino Basin Watermaster  
8632 Archibald Ave., Suite 109  
Rancho Cucamonga, CA 91730

Tel: (909) 484-3888  
Fax: (909) 484-3890

# **CHINO BASIN WATERMASTER**

## **NOTICE OF TRANSFER OF WATER**

Notification Dated: January 28, 2003

A party to the Judgment has submitted a proposed transfer of water for Watermaster approval. Unless contrary evidence is presented to Watermaster that overcomes the rebuttable presumption provided in Section 5.3(b)(iii) of the Peace Agreement, Watermaster must find that there is "no material physical injury" and approve the transfer. Watermaster staff is not aware of any evidence to suggest that this transfer would cause material physical injury and hereby provides this notice to advise interested persons that this transfer will come before the Watermaster Board on or after 30 days from the date of this notice. The attached staff report will be included in the meeting package at the time the transfer begins the Watermaster process (comes before Watermaster).



CITY OF



ONTARIO

PUBLIC WORKS AGENCY

ONTARIO MUNICIPAL SERVICES CENTER

GARY C. OVITT  
MAYOR

GERALD A. DuBOIS  
MAYOR PRO TEM

ALAN D. WAPNER  
PAUL S. LEON  
DEBORAH B. ACKER  
COUNCIL MEMBERS

January 27, 2003

GREGORY D. DEVEREAUX  
CITY MANAGER

KENNETH L. JESKE  
PUBLIC WORKS DIRECTOR

MARY WIRTES, MMC  
CITY CLERK

JAMES R. MILHISER  
TREASURER

Ms. Traci Stewart, Chief of Watermaster Services  
Chino Basin Watermaster  
8632 Archibald Avenue, Suite 109  
Rancho Cucamonga, California 91730

Subject: PURCHASE OF WATER IN STORAGE  
CHINO BASIN - FY 2002-2003

Dear Ms. Stewart:

Please take notice that the City of Ontario (Ontario) has agreed to purchase from the City of Chino (Chino) a portion of Chino's water in storage in the amount of 6,000 acre feet to satisfy a portion of the Ontario's anticipated Chino Basin replenishment obligation for FY 2002-2003.

Enclosed is executed application for sale or transfer of right to produce water from storage and a recapture plan for consideration by Watermaster. Please agendaize the proposed purchase at the earliest possible opportunity.

If you have any questions or require additional information concerning this matter, please call me at 395-2681. Thank you.

Sincerely,

Mohamed El-Amamy  
Utilities Director

APPLICATION FOR  
SALE OR TRANSFER OF RIGHT TO PRODUCE WATER FROM STORAGE

TRANSFER FROM LOCAL STORAGE AGREEMENT # 12

City of Chino  
Name of Party

12/23/02  
Date Requested      Date Approved

13220 Central Avenue  
Street Address

6,000 Acre-feet      \_\_\_\_\_ Acre-feet  
Amount Requested      Amount Approved

Chino      CA      91710  
City      State      Zip Code

Telephone: 909-927-7577

Facsimile: 909-591-6829

[Signature]  
Applicant (Glen Rojas, City Manager)

[Signature]  
Attest: [Signature]

TRANSFER TO:

City of Ontario  
Name of Party

Attach Recapture Form 4

1425 S. Bon View  
Street Address

Ontario      CA      91761  
City      State      Zip Code

Telephone: 909-395-2681

Facsimile: 909-395-2601

Have any other transfers been approved by Watermaster  
between these parties covering the same fiscal year?      Yes [ ]      No [X]

WATER QUALITY AND WATER LEVELS

What is the existing water quality and what are the existing water levels in the areas that are likely to be affected?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

MATERIAL PHYSICAL INJURY

Is the Applicant aware of any potential Material Physical Injury to a party to the Judgment or the Basin that may be caused by the action covered by the application?      Yes [ ]      No [X]

If yes, what are the proposed mitigation measures, if any, that might reasonably be imposed to ensure that the action does not result in Material Physical Injury to a party to the Judgment or the Basin?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## CITY OF ONTARIO Recapture Plan

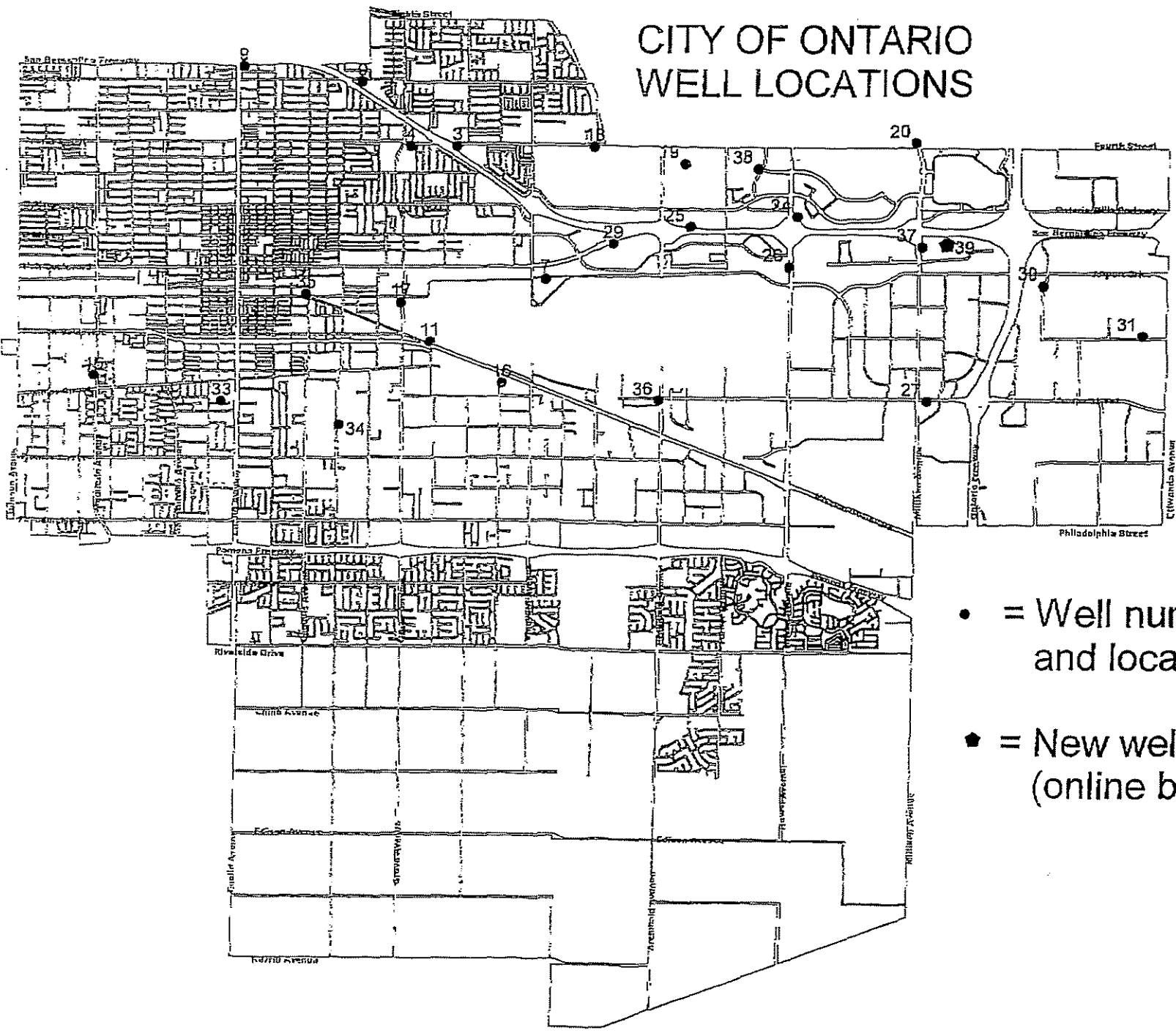
The subject water is a transfer of stored groundwater from the City of Chino located within Management Zones 1 to the City of Ontario located within Management Zones 1, 2 and 3 in the amount of 6,000 acre-feet to satisfy a portion of the City's replenishment obligation for FY 2002-2003. Recapture of the stored water is accomplished by the production of any or all of the 23 wells owned and operated by the City with Management Zones 1, 2 or 3 of the Chino Groundwater Basin. The approximate daily production capacity of these wells is as follows.

<u>Well No.</u>	<u>Capacity acre-feet/day</u>
3	4.9
4	6.4
9	7.8
11	5.7
15	7.8
16	3.2
17	7.2
18	6.3
19	2.5
20	3.4
24	8.4
25	6.2
26	5.7
27	4.9
29	11.2
30	14.1
31	13.1
33	13.0
35	8.6
36	8.3
37	13.4
38	11.4
39	8.6

181.3

A map showing the locations of these wells is attached. The rate of extraction can vary significantly, depending upon system demand and seasonal changes.

# CITY OF ONTARIO WELL LOCATIONS



- = Well number and location
- ◆ = New well 39 (online by winter 2001)