

CHINO BASIN WATERMASTER

FOR

**CHINO BASIN MUNICIPAL WATER DISTRICT
VS
CITY OF CHINO, ET. AL.**

**CASE NO. WCV 51010
(FORMERLY CASE NO. SCV 164327)**

FIFTEENTH

ANNUAL REPORT

OF THE

CHINO BASIN WATERMASTER

FISCAL YEAR 1991-92

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MARCH 1993



CHINO BASIN WATERMASTER

8555 Archibald Avenue P.O. Box 697 Rancho Cucamonga, CA 91729-0697

EDWIN D. JAMES
Chief, Watermaster Services

TEL: (909) 987-1712
FAX: (909) 980-9494

March 1993

TO: ALL ACTIVE AND CONCERNED PARTIES IN CHINO BASIN CASE NO. WCV 51010
(FORMERLY CASE NO. SCV 164327)

Subject: Fifteenth Annual Report of Chino Basin Watermaster

This Fifteenth Annual Report of Watermaster activities is for your information. The Honorable Judge Charles S. Havens of San Bernardino West District Superior Court ordered acceptance of this report on March 11, 1993.

A brief summary of activities during this reporting period (July 1, 1991 through June 30, 1992) is as follows:

Total production from the Basin during 1991/92 was 141,904 acre feet, with production by Pool as follows:

	Appropriative Pool	Overlying (Agricultural) Pool	Overlying (Non-Agricultural) Pool	Totals
1991/92 Production AF	91,982 AF	44,682 AF	5,240 AF	141,904
Initial Operating Safe Yield AF	54,834 AF	*82,800 AF	7,366 AF	145,000

*Allocated safe yield rights for the Overlying (Agricultural) Pool is 414,000 acre feet during any consecutive five year period. The amount shown above (82,800 acre feet) is the annual average.

A total of 11,427.657 acre feet of rights were leased among the members of the Appropriative Pool.

Through a combination of exchange, replenishment, cyclic and trust storage deliveries, a total of 64,122.6 acre feet of water was purchased by Watermaster during Fiscal Year 1991/92 to satisfy the 58,868.654 acre feet 1990/91 replenishment obligation. The surplus of water purchased was placed in a storage account for Watermaster.

Bill Hill
Chairman

George A. Borba
Vice Chairman

John L. Anderson
Secretary/Treasurer

Anne W. Dunihue
Member

Wyatt L. Trostel
Member

Watermaster's Cyclic Storage Account with Metropolitan Water District of Southern California received 8,966.8 acre feet during Fiscal Year 1990/91. The Cyclic Storage Account reflects a June 30, 1992 balance of 20,206.4 acre feet.

On December 19, 1986, the Court approved forms which set in motion a water exchange agreement program with The Metropolitan Water District of Southern California with Watermaster as trustee. During Fiscal Year 1991-92, Watermaster purchased 45,404.2 acre feet of water from this trust account, leaving a zero balance in this account. A summary of Trust Storage Agreements is shown on Appendix "I-1" of this report.

Fiscal Year 91/92 marked the ninth year that the Overlying (Agricultural) Pool did not produce its total five year allocation of safe yield. That portion of the share of safe yield not produced is available for reallocation, or transfer, to members of the Appropriative Pool. (Exhibit "H", Paragraph 10, Page 73 of the Watermaster Judgment). As shown on Appendix "D" of this report, a total of 811,270 acre feet of Unallocated Safe Yield qualified under the land use conversion priority as a permanent transfer, and the balance of 33,903.431 acre feet was transferred to offset the 1991-92 production.

Local Storage Agreements were approved for Chino Basin Watermaster for 10,000 acre feet, Fontana Union Water Company, a Division of San Gabriel Valley Water Company, for 5,000 acre feet, and the Monte Vista Water District for 2,500 acre feet. A second Local Storage Agreement was approved for Ameron Steel Fabrication Division for 500 acre feet, and West End Consolidated Water Company for 6,000 acre feet. A third Local Storage Agreement was entered into by the City of Pomona for 10,000 acre feet. There are now a total of 53 storage agreements which total 343,017.66 acre feet of potential storage water over the next five to ten years under the Judgment. At the close of Fiscal Year 1991/92, 193,130.015 acre feet of water remains in storage pursuant to the local storage agreements.

Assessments billed by Pool during FY 1991/92 for FY 1990/91 production are as follows:

Appropriative Pool	\$4,190,348.03
Overlying (Agricultural) Pool	0.00
Overlying (Non-Agricultural) Pool	825.50
	\$4,191,173.53

Your cooperation and input to our management plan this past year has been appreciated.

Sincerely,

Edwin D. James
Edwin D. James, Chief
Watermaster Services

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FIFTEENTH ANNUAL REPORT OF THE CHINO BASIN WATERMASTER

The Chino Basin Watermaster was established under the Judgment entered in Superior Court of the State of California for the County of San Bernardino as a result of Case No. WCV 51010 (formerly Case No. SCV 164327) entitled, "Chino Basin Municipal Water District v. City of Chino et al," signed by the Honorable Judge Howard B. Wiener on January 27, 1978. The effective date of this Judgment for accounting and operations was July 1, 1977. This Fifteenth Annual Report presents a view of Watermaster, Watermaster Advisory Committee, and Pool Committee Activities, and an accounting of water production for Fiscal Year 1991/92.

BACKGROUND OF JUDGMENT AND WATERMASTER

After many years of study and discussions among concerned water producers, a "Memorandum of Agreement on the Chino Basin Plan" was signed; and, in January 1975, a bill was introduced in the California Legislature by Senator Ruben S. Ayala. This final effort to draw up a management plan for the Chino Basin was designated Senate Bill 222. It authorized the levy of a three year, \$2.00 per acre foot per year, production assessment to raise funds to conduct the necessary studies and negotiations to implement the needed water management program for the Chino Groundwater Basin.

The Judgment entered named the Chino Basin Municipal Water District five (5) person Board of Directors as "Watermaster" responsible to the Court for implementing its terms. The three pool committees, and the Watermaster Advisory Committee, were formally structured to assist the Watermaster in making decisions. Each of the three pools met regularly to transact the business concerns of their respective producers. Items that affected more than one pool were decided upon at the Watermaster Advisory Committee level. The voting power on the Advisory Committee is allocated among the three pools in proportion to the total assessments paid to Watermaster during the preceding year. (Based on Judgment, page 18, Section 33.)

Approximately five percent (5%) of the Basin is in Los Angeles County, fifteen percent (15%) in Riverside County, and the remaining portion is in the West End of San Bernardino County. A location map of the Chino Groundwater Basin is provided in the Judgment as Exhibit "A".

Rosters of the members of the three pool committees, and the Advisory Committee, are provided in Appendix "A". Production information for each pool is provided in Appendix "B".

The Judgment provides for separate and distinct replenishment assessment formulas for each of the three pools. The administrative assessment formula for each pool is determined on a per acre foot basis for each acre foot of water produced by a particular pool. Cost per acre foot varies between pools in accordance

with their respective total budgeted amounts for pool administration and total production during the previous production period.

Costs of replacing water extracted in excess of the respective pool's share of safe yield and operating safe yield amounts are recovered by the application of replenishment assessment formulas as follows:

a) **Overlying (Agricultural) Pool** pays on a gross basis whereby the total cost of replenishment water plus estimated spreading costs are spread equally on each acre foot of water produced during the previous production year. To further stabilize assessments from year to year these assessments are based on a five (5) year moving average with a maximum right of 414,000 acre feet in any one five (5) year period. One member of this pool, Los Serranos Country Club, pays a replenishment assessment on that portion of its production (65%) that serves an area outside the groundwater basin boundaries.

b) **Overlying (Non-Agricultural) Pool** pays on a net basis whereby each producer pays the current cost of replenishment water, plus the estimated cost of spreading for each acre foot of water produced in excess of its respective share of safe yield.

c) **The Appropriative Pool** has four producers, Los Serranos Country Club, Marygold Mutual Water Company, City of Pomona, and City of

Norco (exceeding export right), who pay replenishment assessments on the current cost of replenishment water plus the estimated cost of spreading.

The remaining Appropriative Pool members are subject to the 15/85 formula which spreads the total cost of replenishment water two (2) ways; fifteen percent (15%) on a gross basis (uniformly on each acre foot produced) and eighty-five percent (85%) on a net basis, that is on each acre foot of production over a producer's share of operating safe yield.

ACTIVITIES OF WATERMASTER AND COMMITTEES

I. WATERMASTER ACTIVITIES

Watermaster members and officers are as follows:

Dwight French	Chairman
George Borba	Vice-Chairman
John L. Anderson	Secretary/Treasurer
Bill Hill	Member
Anne W. Dunihue	Member

Regular Watermaster meetings are scheduled for the first Wednesday following each month that contains five (5) Wednesdays, meeting in the Chino Basin Municipal Water District Board Room at 8555 Archibald Avenue, Cucamonga, at 8:30 a.m. Special meetings are noticed as required.

During this reporting period, regular meetings were held on:

**August 7, 1991
November 6, 1991
February 5, 1992
May 13, 1992**

Assessments levied by Watermaster on November 6, 1991, for overproduction during the 1990/91 production period, and for budgeted administrative and special project costs for 1991/92, were as follows:

A) Overlying (Agricultural) Pool members were assessed the following amounts on each acre foot of water produced with minimal producers paying a Five Dollar (\$5.00) administrative filing fee:

Administration and Special Projects: \$3.527/AF

Per Minute action of the Appropriative Pool, at their meeting of June 7, 1988, it was agreed that the Appropriative Pool would assume the administrative assessments of the Agricultural Pool members in exchange for unpumped Agricultural water transferred to the Appropriative Pool following the 1987-88 production year, and for each year thereafter. Therefore, the total Administrative and Special Projects Assessment levied against the Overlying (Agricultural) Pool in the amount of \$121,258 was assumed by the Appropriative Pool computed at \$3.527 per acre foot of water transferred (i.e., 34,380.301 acre feet) to each Appropriative Pool member based on its share of initial share of operating safe yield.

With reported production declining from 96,567 acre feet in 1974/75 to 83,934 acre feet in 1977/78, the Overlying (Agricultural) Pool Committee decided during Fiscal Year 1978/79 to purchase, and place in a local storage account, 2,000 acre feet of replenishment water to provide for a potential increase in production during the balance of the five (5) year period. Because production of the Agricultural pool continues to decline due to urbanization of farm land, it was decided during Fiscal Year 1987-88 to sell the water in storage. Revenue from the sale has been placed in an interest earning account for future use by the Overlying (Agricultural) Pool as may become necessary.

B) Overlying (Non-Agricultural) Pool members were assessed \$5.00 for budgeted administrative and special project costs and \$132.55 (\$130.00 for replenishment water plus \$2.55 for spreading) for each acre foot of production in excess of each producer's share of operating safe yield.

C) Appropriative Pool members subject to the 15/85 formula, eighteen members total, were assessed \$6.48809 and \$112.66750 per acre foot respectively. Each producer in this Pool was also assessed \$0.10510 per acre foot to cover the budgeted administrative and special project costs.

The City of Norco produced 2,226,200 acre feet in excess of their export rights of 1,567 acre feet. This excess was subject to the current cost of replenishment plus spreading costs.

D) Appendices "B", "G" and "H" give an overview of the total amounts of water produced and tributary to the Chino Groundwater Basin.

Agreements and policy matters negotiated and approved by Watermaster and Watermaster Advisory Committee covering Fiscal Year 1991-92 were as follows:

A) Watermaster insurance coverage was secured in August 1978, and has been continued with Watermaster being covered as an additional named insured under CBMWD's policy for one million dollars. Substantial savings have been realized in comparison to securing independent insurance coverage.

B) A Noticed Public Hearing was conducted by Watermaster on May 13, 1992, to approve the 1992/93 Administrative Budget. A summary of this budget is attached as Appendix "C".

C) A renewal agreement with the San Bernardino County Flood Control District, covering the period July 1, 1991 through June 30, 1996, was approved for the spreading and monitoring of replenishment and

Cyclic Storage Water. Appendices "E" and "F" summarize the replenishment and cyclic water deliveries during this reporting period.

D) Redetermination of Safe Yield - On June 30, 1992, the Watermaster program marked its fifteenth year of operation under the jurisdiction of the Judgment. June 30, 1982 marked the date in which work could commence on redetermination of the Chino Groundwater Basin's safe yield. Watermaster has recommended no changes during this past fiscal year. Pursuant to Exhibit I, Paragraph 2b, Page 80 of the Judgment, "changes in the safe yield shall not be made upon less than five (5) years notice of intent by Watermaster." Therefore, Watermaster hereby posts its tenth "Notice of Intent" which is shown as Appendix "K".

E) During Fiscal Year 85-86, mitigation measures were addressed by the various Pool committees regarding the Stringfellow Acid Pits. One mitigation measure focused upon was the large quantity of water envisioned to be pumped from the site by the State Environmental Health Services and Santa Ana Watershed Project Authority, the State agencies charged with the cleanup operation. The plan required the export of the water pumped because there are no locally approved toxic dumping facilities available. State of California agencies are granted pumping rights in the Agricultural Pool, however they are not granted export rights. The Committee determined the need for a cooperative effort throughout

the water industry in dealing with contamination problems. Pursuant to Watermaster Advisory Committee recommendation, Watermaster petitioned the Court to allow the export of a maximum of 300 acre feet of water annually by the State. The petition was approved by the Court in November 1985. During Fiscal Year 1991/92, 19.1 acre feet of contaminated wastewater was removed and exported from the site. As of June 30, 1992, a total of 152.8 acre feet of contaminated water has been exported from the Stringfellow Acid Pits since Fiscal Year 1985/86.

Minutes of Committee meetings held during Fiscal Year 1991-1992 regarding this subject are available at the Watermaster office, 8555 Archibald Avenue, Rancho Cucamonga, California, and may be viewed by any interested party by contacting the Chief of Watermaster Services.

II. COMMITTEE ACTIVITIES

A. Overlying (Agricultural) Pool

At the annual meeting of this Pool, the following individuals were selected to serve as officers of this Pool:

Chairman	Robert DeBerard
Vice-Chairman	Gene Koopman
Secretary	Edwin James, Chief, Watermaster Services
Treasurer	John Anderson, Treas. of CBMWD

Also at the annual meeting of this pool, the following individuals were selected to administer the pool activities, and serve as representatives on the Watermaster Advisory Committee during Calendar Year 1992.

Regular	Alternate
*Glen E. Porter	Keith Gomes
*Ralph Te Velde	Dick Dykstra
*Hank Vander Poel	Fred Douma
*Robert DeBerard	Tim Ochoa, Fred Hector CIW
*Paul Hofer	Eugene Jackson / Richard Matamoros, YTS
Gene Koopman	Arian Van Leeuwen
Nereus Richardson	Rep. Orange co. Water Dist.
Roger Larkin	Gene Fitzgibbons CIM
Marilyn Levin	State Attorney General
George Kasbergen	Jeffrey L. Pierson

*Newly elected members for two year terms.

Through June 30, 1992, five meetings were conducted to act on matters affecting the members of this pool and to review actions to be taken by Watermaster.

Interventions and assignments to the Overlying (Agricultural) Pool during 1991/92 are indicated in Appendix "J".

B. Overlaying (Non-Agricultural) Pool

At the annual meeting of this pool, the following individuals were selected to serve as officers of this Pool:

Chairman	Rob Hartman, Kaiser Steel
Vice-Chairman	John Heiny, Sunkist Growers, Inc.
Secretary	Edwin James, Chief, Watermaster Services
Treasurer	John Anderson, Treas. of CBMWD

Watermaster Advisory Committee representatives for this Pool are as follows:

Sunkist
Southern California Edison
Kaiser Steel

Through June 30, 1992, there were two meetings conducted to act on matters affecting members of this pool, and to review actions to be taken by Watermaster.

C. Appropriative Pool

At the annual meeting of this Pool, the following individuals were selected to serve as officers of this Pool:

Chairman	Anthony Skvarek, City of Pomona
Vice-Chairman	Ira Pace, West San Bdn. Co. Wtr. District
Secretary	Edwin James, Chief, Watermaster Services
Treasurer	John Anderson, Treas. of CBMWD

Through June 30, 1992, five (5) meetings were conducted to act on matters affecting members of this Pool and to review actions to be taken by Watermaster.

D. Watermaster Advisory Committee

At the annual meeting of this Committee, the following officers were selected:

Chairman	Rob Hartman
1st Vice Chairman	Tom Shollenberger, Cucamonga Co. Water District
2nd Vice Chairman	Roger Larkin, C.I.M.
Secretary	Edwin James, Chief, Watermaster Services
Treasurer	John Anderson, Treas. of CBMWD

Regular meetings were scheduled for 12:00 noon on the third Thursday of each month having five (5) Wednesdays. The annual meeting was held January 23, 1992. The Advisory Committee conducted four (4) regular meetings and two (2) special meetings whereby all actions recommended to Watermaster were reviewed and discussed.

Minutes of all meetings are available at the Watermaster office at 8555 Archibald Avenue, Rancho Cucamonga, California, and may be viewed by any interested party by contacting the Chief of Watermaster Services.

ADMINISTRATION OF JUDGMENT

The Judgment provides for various administrative and accounting tasks to be performed on a regular basis, some of which are as follows:

(1) Water Right Lease Agreements between Appropriative Pool Members for Fiscal Year 1991/92 totaled 11,427.657 acre feet. Individual lease agreements on forms approved by the Watermaster were as follows:

- (a) From: Fontana Union Water Company
To: Cucamonga County Water District 9,827.657 AF
- (b) From: Santa Ana River Water Company
To: Jurupa Community Services District 1,600.000 AF

(2) Recapture of Water in Local Storage was initiated on forms approved by Watermaster. Fontana Water Company recaptured 2,238.315 acre feet of water in storage to offset its 1991/92 overproduction. Monte Vista Irrigation Company recaptured 1,000 acre feet of water in storage and sold the water to the City of Chino for placement in their Local Storage Account.

(3) Unqualified Audit Opinion and Audit Report to the Chino Basin Watermaster from Reardon & McCallum, Certified Public Accountants, for the period ending June 30, 1992, is attached as Appendix "L".

(4) Mailing lists of active parties are updated on a routine basis through the use of the United States Post Office "Address Correction Requested Service" whereby any address change reported to the Post Office is forwarded to the Watermaster after each mailing. File changes are made upon receipt from this

and other sources of address change. A current listing of active parties is available for review upon request to Watermaster.

(5) Quarterly Accounting of Water Production has been received for the Appropriative and Overlying (Non-Agricultural) Pools for Fiscal Year 1991/92. The Overlying (Agricultural) Pool's quarterly production was compiled on those wells having water measuring devices installed.

(6) Computer Programming and File Maintenance is a continuing effort with approximately 450 parties involved. Plans to develop a PC data base to assist Watermaster in keeping track of groundwater levels and well production, and assist in future water management planning, were initiated.

(7) New Party Interventions are accumulated on a regular basis whereby land ownership changes and new producers are accounted for as they occur. Change of ownership is more frequently learned during production reporting periods. With all production reported on a quarterly basis, this has become a routine task. Parties having surrendered all property with water producing facilities are considered inactive parties, and are accounted for as such.

(8) Special Project Task Orders were initiated, or continued, by separate work orders approved by the Watermaster Advisory Committee, and Watermaster, for projects other than general administration duties. Special projects designed by number for the budget period ending June 30, 1992 were as follows:

(a) (Task Order 78-3) Meter Installation Study was continued to be a service to those parties required to purchase and install meters. Under the

original contract, a recommendation regarding the type, size, and placement of a meter is made on an individual basis for each producer. This service is provided to efficiently complete the installation of meters in the least amount of time, expense, and inconvenience to each producer. Certain information considered necessary for the Watermaster's files was also accumulated through this effort. Although the contract has been terminated, necessary follow-up work will continue to assure that all qualified wells as drilled, are fitted with a meter measuring device as mandated by the Judgment.

(b) (Task Order 78-4) Meter Testing Program is designed to test every meter in the basin at least once every two years as an ongoing program of the Watermaster. During this reporting period, only twelve meters in the Overlying (Agricultural) Pool were tested due to problems with the existing program. Plans to renovate the program were initiated.

(c) (Task Order 84-1A) Groundwater Monitoring Program was initiated during Fiscal Year 1984 to collect information on TDS and nitrate conditions in the Chino Basin. The data developed in this program will be used by Watermaster and other agencies to manage the groundwater resources of the Chino Basin area. This work established the ground rules and criteria for a long term groundwater monitoring program. During this reporting period, Mark J. Wildermuth, Water Resources Engineer, completed the winter 1991 groundwater quality monitoring program. Groundwater data regarding TDS, nitrates, and groundwater elevation were obtained from 283 wells. Water

quality samples from 64 wells were obtained and analyzed. The remaining water quality data and groundwater level data were obtained from cooperating agencies. Copies of all data collected during this study are available at the Watermaster office, and may be viewed by any interested party by contacting the Chief of Watermaster Services.

(d) (Task Order 84-1B) Safe Yield Study has been initiated to collect and analyze existing and new data to redetermine the safe yield of the Chino Hydrologic Basin. Pursuant to the Judgment, Page 80, Section 20, the Watermaster has posted its Notice of Intent to reevaluate the safe yield of the Basin. This project will utilize original data gathered under Task Order 79-1 and the new Task Order 84-1A (Water Well Data) as well as compiling rainfall data to prepare a water level contour map, and a computer model utilizing consulting engineers to develop and complete the safe yield determination.

(e) (Task Order 90-1) Socio-Economic Study was conducted to determine if the replenishment assessment formula as detailed in the Watermaster Judgment, specifically Exhibit H, Page 70, Paragraph 8, is current with today's economy. James M. Montgomery, Consulting Engineers, Inc., with Grant E. Hoag, P.E., as Project Engineer, conducted the study. The final report, which was received by the Appropriative Pool in July 1992, included a re-evaluation and update of the 1977 study, with an emphasis on the physical solution gross/net formula, and the Appropriative Pool charges. Extensive use of figures to illustrate historical and projected trends in water demands and

related costs are included in the report. Copies of the June 24, 1992, report are available at the Watermaster office, and may be viewed by any interested party by contacting the Chief of Watermaster Services.

(f) (Task Order 90-2) Chino Basin Management Study was initiated to develop a basin wide management plan to augment the Watermaster Judgment and bring focus to a true operating plan covering all aspects of Basin Management. The study involves a five agency basin management task force, including Chino Basin Municipal Water District, Western Municipal Water District of Riverside County, Santa Ana Watershed Planning Authority (SAWPA), the Metropolitan Water District of Southern California (MWD), and the twenty-one members of the Watermaster Advisory Committee.

Subject to approval and recommendation of the Watermaster Advisory Committee of any affected Pool Committee, additional special project task orders may be designated and budgeted for as required to carry out the management plan.

(g) Local Storage Agreements were entered into by the Chino Basin Watermaster for 10,000 acre feet, Fontana Water Company, a Division of San Gabriel Valley Water Company, for 5,000 acre feet, and the Monte Vista Water District for 2,500 acre feet. A second Local Storage Agreement was entered into by Ameron Steel Fabrication Division for 500 acre feet, and West End Consolidated Water Company for 6,000 acre feet. A third Local Storage Agreement was entered into by the City of Pomona for 10,000 acre feet.

(10) The November 1991 general election authorized the City of Chino Hills to incorporate, and assume the responsibility for providing public services formerly provided by the San Bernardino County Waterworks District No. 8.

(11) The Share of Initial Operating Safe Yield for the City of Chino, and the Monte Vista Water District, was increased permanently by 383.790 acre feet, and 675.610 acre feet, respectively, due to a permanent transfer in 1990 from San Bernardino County Waterworks District No. 8 (now known as the City of Chino Hills). The revised Share of Initial Operating Safe Yield for the City of Chino is 4,033.857 acre feet, for the City of Chino Hills is 2,111.422 acre feet, and for the Monte Vista Water District is 4,823.954 acre feet.

(12) The formation of a Steering Committee received approval this year. The Committee was formed to enable Watermaster staff to more effectively administer the Watermaster program. Membership on the Committee includes one member from the Overlying (Agricultural) Pool, one member from the Overlying (Non-Agricultural) Pool, and five members from the Appropriative Pool. The Committee elected to meet monthly to address Watermaster issues, and develop policies and procedures.

(13) Replenishment activities during this year were very successful. Through proficient organization, and strategic planning, Watermaster satisfied its entire replenishment requirement of 58,868.654 acre feet, and placed 5,862.146 acre feet into storage. In addition, water purchase savings in excess of \$1 million were realized by local producers by taking advantage of water exchanges, and other incentive programs offered by the Metropolitan Water District of Southern California.

(14) The Services and Facilities Contract between Chino Basin Municipal Water District (CBMWD), and Chino Basin Municipal Water District acting in its capacity as Watermaster (WM), was amended. Concerns expressed by the Advisory Committee regarding the level of service provided by CBMWD prompted the formation of an ad-hoc committee to evaluate the Watermaster program. The ad-hoc committee considered the feasibility of WM becoming an independent agency. After assessing the economics of becoming independent, it was determined that the Watermaster program would remain at CBMWD. In addition, the Services and Facilities Contract was amended to clearly define the level of service expected from CBMWD in its capacity as Watermaster, and the source of direction CBMWD employees receive while working for Watermaster.

APPENDIX "A - 1"

OVERLYING (AGRICULTURAL) POOL COMMITTEE

Regular members and alternates for Fiscal Year 1991-92. *Newly elected members for two year term, beginning FY 92/93.

REGULAR

Mr. Glen Porter
S.B. Co. Dept. of Airports
7000 Merrill Ave., Box 1
Chino, CA 91710

Mr. Ralph Te Velde
14744 Archibald Avenue
Chino, CA 91710

Mr. Roger Larkin, CIM
4395 Roosevelt Street
Chino, CA 91710

Mr. Robert DeBerard
P.O. Box 1223
Upland, CA 91785

Mr. Paul Hofer
11248 S. Turner Avenue
Ontario, CA 91761

*Mr. Gene Koopman
13898 S. Archibald Avenue
Ontario, CA 91761

*Mr. Nereus Richardson
Orange Co. Water District
P.O. Box 8300
Fountain Valley, CA 92728-8300

*Mr. Hank Vander Poel
8787 Pine Avenue
Chino, CA 91710

*Mrs. Marilyn Levin
Deputy Attorney General
300 S. Spring, 11 North Tower
Los Angeles, CA 90013

*Mr. George Kasbergen
12400 Limonite Avenue
Mira Loma, CA 91752

ALTERNATE

Mr. Keith Gomes
Calif. Milk Producers Council
11709 E. Artesia Blvd.
Artesia, CA 90701

Mr. Dick Dykstra
10129 Schaefer Avenue
Ontario, CA 91761-7973

Mr. Fred Douma
14350 Cleveland Avenue
Ontario, CA 91761

Mr. Tim Ochoa/Fred Hector, CIW
Post Office Box 6000
Corona, CA 91718-6000

Mr. Eugene Jackson/Mr. Mataworos, YTS
P.O. Box 800
Ontario, CA 91761-0800

Gene Fitzgibbons
California Institute for Men
14901 Central Avenue
Chino, CA 91710

(Representative)
Orange Co. Water District
P.O. Box 8300
Fountain Valley, CA 92728-8300

Mr. Arlan Van Leeuwen
6829 Pine Avenue
Chino, CA 91710-9125

(Representative)
State Attorney General's Office
300 S. Spring, 11 North Tower
Los Angeles, CA 90013

Mr. Jeffrey L. Pierson
Unitex Mgmt. Corporation
6101 Cherry Avenue
Fontana, CA 92336

APPENDIX "A - 2"

1991-1992 OVERLYING (NON-AGRICULTURAL) POOL COMMITTEE

Ameron/Steel Fabrication Division
ATTN: Mark Ward
13032 Slover Avenue
Fontana, CA 92335
(909) 822-1280
(909) 899-1723

Conrock (Calmat) Company
ATTN: Gene Block
P.O. Box 2950
Los Angeles, CA 90065
(213) 258-2777

Swan Lake
Mobile Community Mgmt.
ATTN: David W. Starnes
2081 Business Center Dr. #182
Irvine, CA 92715
(714) 833-3088

Kaiser Steel Resources, Inc.
ATTN: Rob Hartman
8300 Utica Avenue, Suite 301
Rancho Cucamonga, CA 91730
(909) 944-4163

Space Center Mira Loma, Inc.
ATTN: Michael Thies
3401 Etiwanda Ave., Bldg. 503
Mira Loma, CA 91752
(909) 685-5221

Quaker Chemical
ATTN: Tom Campbell
10735 Kadota Avenue
Pomona, CA 91769
(909) 629-9776

San Edno. Co. Aviation Div.
ATTN: Glen Porter
7000 Merrill Ave., Box 1
Chino, CA 91710
(909) 387-2877

So. California Edison Co.
Etiwanda Generating Station
ATTN: Nam Le
8996 Etiwanda Avenue
Etiwanda, CA 91739
(909) 899-7291

Angelica Rental Service
ATTN: Howard Dickson
300 Ranger
Brea, CA 92621
(714) 579-0909, Ext. 124

Sunkist Growers
ATTN: David Cooper
616 East Sunkist Street
Ontario, CA 91764
(909) 983-9811

Praxair, Inc.
Linde Division
ATTN: Harvey Carter
10829 Etiwanda Avenue
Fontana, CA 92335
(909) 829-4000, Ext. 203

California Steel Industries
ATTN: Robert Stanier
14000 San Bernardino Avenue
Fontana, CA 92335
(909) 350-6300

APPENDIX "A - 3"
1991-1992 APPROPRIATIVE POOL COMMITTEE

Arrowhead Mtn. Spring Water Co.
ATTN: Steve Bendix
5772 Jurupa
Ontario, CA 91761
(909) 591-9883

Chino, City of
Public Works Service Center
ATTN: Pat Malloy
5050 Schaefer Avenue
Chino, CA 91710
(909) 591-9883

Chino Hills, City of
ATTN: Terry Kimbro
14575 Pipeline Avenue
Chino Hills, CA 91709
(909) 597-1785

Cucamonga County Water District
ATTN: Tom Shollenberger
Post Office Box 638
Rancho Cucamonga, CA 91729
(909) 987-2591

Fontana Union Water Company
ATTN: Mike McGraw
Post Office Box 987
Fontana, CA 92334
(909) 822-2201

Fontana Water Company
ATTN: Mike McGraw
Post Office Box 987
Fontana, CA 92334
(909) 822-2201

Jurupa Community Services Dist.
ATTN: John Schatz
8621 Jurupa Road
Bloomington, CA 92316
(909) 877-0516

Marygold Mutual Water Company
ATTN: Bill Stafford
9715 Alder Avenue
Bloomington, CA 92316
(909) 877-0516

Monte Vista Water District
ATTN: Robert Thompson
Post Office Box 71
Montclair, CA 91763
(909) 624-0035

Monte Vista Irrigation Company
ATTN: H. K. Andersen
2529 West Temple
Los Angeles, CA 90026
(213) 388-7425

Mutual Water Company of
Glen Avon Heights
ATTN: Ken Johnson
9643 Mission Blvd.
Riverside, CA 92409
(909) 685-6441

Norco, City of
ATTN: W. C. Masker
Post Office Box 428
Norco, CA 91760
(909) 735-3900

Ontario, City of
ATTN: Mike Teal
1425 South Bon View Avenue
Ontario, CA 91761
(909) 391-0606

Pomona, City of
ATTN: Anthony Skvarek
Post Office Box 660
Pomona, CA 91768
(909) 620-2231

San Antonio Water Company
ATTN: Emily Bolechowski
139 North Euclid Avenue
Upland, CA 91786
(909) 982-8108

Santa Ana River Water Company
ATTN: Arnold Rodriguez
10530 54th Street
Mira Loma, CA 91752
(909) 685-6503

APPENDIX "A - 3"

APPROPRIATIVE POOL COMMITTEE (Continued)

Southern Calif. Water Company

ATTN: Mike Gutierrez
121 Exchange Place
San Dimas, CA 91773
(909) 394-1387

Upland, City of

ATTN: Beverly Braden
Post Office Box 460
Upland, CA 91785
(909) 982-1352

West End Consolidated Water Co.

ATTN: Emily Bolechowski
139 North Euclid Avenue
Upland, CA 91786
(909) 982-8108

West San Bernardino County

Water District
ATTN: Ira Pace
Post Office Box 920
Rialto, CA 92376
(909) 875-1804

APPENDIX "A - 4"

ADVISORY COMMITTEE MEMBERS

APPROPRIATIVE POOL	AGRICULTURAL POOL	NON-AGRICULTURAL POOL
Chino Hills, City of TERRY KIMBRO	ROBERT DeBERARD	Kaiser Steel Resources, Inc. ROB HARTMAN*
Chino, City of PAT MALLOY*	PAUL HOFFER	Sunkist Products JOHN HEINY
Cucamonga Co. Wtr Dt TOM SHOLLENBERGER*	GEORGE KASBERGEN	So Cal Edison/Etiwanda Generating Station NAM LE
Fontana Union Wtr Co. GERALD BLACK	GENE KOOPMAN*	
Jurupa Comm Svcs Dt JOHN SCHATZ	ROGER LARKIN, CIM*	
Monte Vista Water Dt ROBERT THOMPSON	MARILYN LEVIN	
Ontario, City of MIKE TEAL*	GLEN PORTER	
Pomona, City of ANTHONY SKVAREK*	RALPH TeVELDE	
Upland, City of BEVERLY BRADEN	HANK VANDER POEL	
West San Beto Co Wtr Dist IRA PACE*	JIM VAN HAUN	

* Represents Steering Committee members.

APPENDIX "B"
PRODUCTION BY POOL
(ACRE FEET)

FISCAL YEAR	APPROPRIATIVE POOL	OVERLYING (AGRICULTURAL) POOL	OVERLYING (NON-AGRICULTURAL) POOL	TOTAL
74/75	70,312	96,567	8,878	175,757
75/76	79,312	95,349	6,356	181,017
76/77	72,707	91,450	9,198	173,355
77/78	60,659	83,934	10,082 ⁽¹⁾	154,675
78/79	60,597	73,688	7,127	141,412
79/80	63,834	69,369	7,363	140,566
80/81	70,726	68,040	5,650	144,416
81/82	66,731	65,117	5,684	137,532
82/83	63,481	56,759	2,395	122,635
83/84	70,558	59,033	3,208	132,799
84/85	76,912	55,236	2,415	134,563
85/86	80,859	52,061	3,193	136,113
86/87	84,662	59,847	2,559	147,068
87/88	91,579 ⁽²⁾	57,865	2,958	152,402
88/89	93,617 ⁽³⁾	46,762	3,619	143,998
89/90	101,344 ⁽⁴⁾	48,420	4,856	154,620
90/91	86,658 ⁽⁵⁾	48,085	5,407	140,150
91/92	91,982 ⁽⁶⁾	44,682	5,240	141,904

⁽¹⁾ Includes 3,945 Acre Feet of mined water pumped by Edison Company as agent for the Chino Basin Municipal Water District

⁽²⁾ Does not include 7,674.3 acre feet exchanged with MWD.

⁽³⁾ Does not include 6,423.6 acre feet exchanged with MWD.

⁽⁴⁾ Does not include 16,377.1 acre feet exchanged with MWD.

⁽⁵⁾ Does not include 14,929.1 acre feet exchanged with MWD.

⁽⁶⁾ Does not include 12,202.4 acre feet exchanged with MWD.

APPENDIX "C"

CHEROKEE BASIN WATERMASTER
ADOPTED
BUDGET FY 1989/90
SUMMARY OF ADMINISTRATIVE BUDGETS

	APPROPRIATE POOL AMOUNT PER ACRE FOOT	OVERLYING AGRICULTURAL POOL AMOUNT PER ACRE FOOT	OVERLYING NON-AGRICULTURAL POOL AMOUNT PER ACRE FOOT	88 222 FUNDS
TOTALS	161,887.4 85.000%	46,682.5 31.000%	8,487.4 2.00%	N/A
Estimated 81/82 Production	158,081.1			
GENERAL ADMINISTRATION				
Watermaster Administration	\$198,149	\$91,456	\$8,811	
Joint Watermaster-Industry Committee*	17,265	8,375	605	
Pool Administration	19,492	8,351	2,250	
Total General Admin. Exp. Before 88 222 Pools	234,907	108,682	10,611	
88 222 Reimbursement**	112,886	73,287	3,805	(512,000)
Total Administrative Budgets	347,793	181,969	13,600	
SPECIAL PROJECTS (Notes - Pages 21 thru 28)				
Water Installation	4,464	1,281	155	
Water Testing Program - Grants*	20,688	10,228	1,159	
Water Testing Program - Pool Benefits	20,557	8,325	3,519	
Cherokee Basin Water Resources Study**	1,229	524	69	
Develop PC Data Base*	66,116	27,628	3,197	
Develop PC Billing*	28,289	13,291	787	
Comprehensive User*	26,128	13,169	792	
Water Quality Database*	4,266	2,917	277	
Total Special Projects	214,267	84,459	8,628	(112,000)
TOTAL ADMIN AND SPECIAL PROJECTS	562,060	266,428	21,228	(112,000)
25% Operating Reserve	140,515	66,607	5,307	
ADMINISTRATIVE COSTS TO BE AMORDED	\$761,575	\$333,035	\$26,535	(112,000)
Special Assessment CHWS - Ag Pool				
Proposed Carry Forward From 81/82	(12,000)	(5,279)	(1,575)	(8,200)
Revised or Expense From Water Transfers	253,877	2,239	(223,877)	(4,000)
ESTIMATED NET ADMIN. ASSIGNMENTS OR CARRY-OVER	\$942,447	\$30,327	\$24,960	(512,000)

* Total costs will be allocated to the Pools by the 81/82 actual production percentages.
NOTE: All allocations have been rounded. This may leave an insignificant impact on the calculation of the per acre test costs.

APPENDIX "D"

SUMMARY OF
UNALLOCATED SAFE YIELD TRANSFERS
FOR FISCAL YEAR 1991-1992

	Lead Use	Conversions	Balance	Total
	First 50%	Remain. 50%	Available	Transfer
	(Ac.Ft.)	(Ac.Ft.)	(Ac.Ft.)	(Ac.Ft.)
Chino Basin Municipal Water Dist.		0.000	0.000	0.000
Chino, City of	196.235	29.840	2,494.102	2,720.177
Chino Hills, City of		15.619	1,308.476	1,321.095
Cucamonga County Water Dist.		26.775	2,237.880	2,264.655
Fontana Union Water Company		47.320	3,955.052	4,002.372
Fontana Water Company		0.000	0.000	0.000
Jurupa Community Services Dist.		11.785	985.028	996.813
Marygold Mutual Water Company		4.848	405.177	410.025
Monte Vista Water District		35.685	2,982.613	3,018.298
Monte Vista Irrigation Company		5.006	418.435	423.441
Mutual Water Co. of Glen Avon Hts.		3.462	289.345	292.807
Worce, City of		1.491	124.614	126.105
Ontario, City of	209.400	84.138	7,032.341	7,325.879
Pomona, City of		82.969	6,934.673	7,017.642
San Antonio Water Company		11.147	931.697	942.844
San Bndo County/Prado Tiro		0.000	0.000	0.000
Santa Ana River Water Company		9.627	804.629	814.256
Southern California Water Company		3.044	254.412	257.456
Upland, City of		21.101	1,763.617	1,784.718
West End Consol. Water Company		7.011	585.964	592.975
West San Bndo. County Water Dist.		4.766	398.376	403.142
	<u>405.635</u>	<u>405.634</u>	<u>33,903.431</u>	<u>34,714.700</u>

SUMMARY OF MWD DELIVERIES⁽¹⁾
(ACRE FEET)
YEAR ENDED JUNE 30, 1992

MONTH	City of Pomona ⁽²⁾	City of Chino	MWD	City of Ontario	City of Chino Hills	So. Cal Edison Co	City of Upland	CCWD	TOTAL
July 1991	694	136	199	455	934	0	477	1,557	4,452
August	493	169	325	294	864	0	517	1,536	4,198
September	600	170	316	401	829	4	476	1,404	4,200
October	603	172	302	321	703	98	514	1,798	4,511
November	310	162	51	1,131	360	179	288	1,098	3,579
December	517	427	119	1,174	419	163	151	2,043	5,013
January '92	523	390	214	624	319	197	14	1,672	3,953
February	357	373	140	634	287	209	1	1,269	3,270
March	42	295	197	712	354	256	139	1,037	3,032
April	232	145	162	354	342	179	124	402	1,940
May	700	393	760	1,004	977	162	386	2,058	6,440
June '92	689	350	318	503	986	229	439	2,353	5,867
TOTAL	5,769	3,182	3,183	7,697	7,374	1,676	3,526	19,227	59,458

APPENDIX "B"

⁽¹⁾ A breakdown for categories of water are available in the Watermaster's office.

⁽²⁾ Figures reflect amount of 53.82% used over the Chino Basin.

APPENDIX "E-1"

GROUNDWATER REPLENISHMENT DELIVERIES
(ACRE FEET)
FISCAL YEAR ENDED JUNE 30, 1992

MONTH	SAN SEVAINE	CB-59	DAY CRK	ETIWANDA	DELIV. BY EXCHG	CYCLIC DELIV	TOTAL
July '91	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0
October	0	0	0	0	970.5	174.0	1,144.5
November	0	580.4	162.1	141.7	213.5	0	1,097.7
December	0	1,604.8	339.3	481.4	971.9	63.0	3,460.4
January '92	0	237.5	0	82.0	998.7	704.0	2,022.2
February	0	0	0	0	775.8	0	775.8
March	0	122.3	0	0	791.7	8,600.0	9,514.0
April	0	38.0	0	0	665.0	0	703.0
May	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0
TOTAL	0	2,583.0	501.4	705.1	5,387.1	9,541.0	18,717.6

TOTAL REPLENISHMENT DELIVERIES FOR 91-92: 18,717.6 ACRE FEET

Total Direct Replenishment Deliveries during 1991/92: 3,789.5 Acre Feet

1990/91	Replenishment Requirement:	30,344.483	AF
1991/92	Replenishment Requirement:	31,814.877	AF
1990/91	Replenishment Purchased:	<u>(3,290.700)</u>	AF
	Total Replenishment Obligation:	<u>58,868.654</u>	AF

1991/92	Exchange Deliveries:	5,387.1	AF
1991/92	Replenish Deliveries:	3,789.5	AF
1991/92	Cyclic Deliveries:	9,541.0	AF
1991/92	Trust Storage Deliveries:	<u>45,405.0</u>	AF
	Total Replenishment Activities:	<u>64,122.6</u>	AF

APPENDIX "F"

CHINO BASIN WATERMASTER
 SUMMARY OF CYCLIC STORAGE DELIVERIES
 FISCAL YEAR ENDED JUNE 30, 1992
 (Acra Feet)

MONTH	CB-59	SAN SEVAIN	DAY	ETIWANDA	DELIV. BY EXCHG	TOTAL	PRODUCED BY CYCLIC
July '91	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0
September	0	0	0	0	90.0	90.0	0
October	0	0	0	0	174.0	174.0	174.0
November	0	0	0	0	0	0	0
December	0	0	0	0	63.0	63.0	63.0
January '92	0	0	0	0	704.0	704.0	704.0
February	0	0	0	0	0	0	0
March	0	0	0	0	0	0	8,600.0
April	0	0	0	0	0	0	8,185.0
May	637.0	0	0	0	2,772.8	3,409.8	0
June '92	633.3	0	0	490.8	3,401.9	4,526.0	0
TOTAL	1,270.3	0	0	490.8	7,205.7	8,966.8	17,726.0

BALANCE OF CYCLIC STORAGE ACCOUNT AS OF JUNE 30, 1992.....20,286.4 ACRES FEET

Total Direct Cyclic Storage Deliveries during 1991/92: 1,761.1 Acre Feet

July 1, 1991 Cyclic Balance: 28,965.6 AF
 Deliveries during 91/92: 8,966.8 AF
 Produced during 91/92: 117,726.0 AF
 June 30, 1992 Balance: 20,286.4 AF

Deliveries by Exchange:

CCWD	2,160.0 AF	NVWD	184.2 AF	SCB	390.5 AF
Chino	73.7 AF	Ontario	1,904.9 AF	Upland	237.0 AF
Chino Hills	251.4 AF	Pomona	2,004.0 AF		

* Previous summaries of Cyclic Storage Deliveries are available at the Watermaster's office at 8555 Archibald Avenue, Rancho Cucamonga, California.

APPENDIX "G"
SUMMARY OF
OTHER IMPORTED SUPPLIES
(ACRE FEET)
FISCAL YEAR ENDED JUNE 1992

	<u>OTHER BASINS</u>	<u>SURFACE DIVERSIONS</u>	<u>OTHER IMPORTED SURFACE DIVERSIONS</u>	<u>RECLAIMED WATER</u>
Cucamonga County ^(a) Water District	8,195	6,128		
Fontana Union Water Company	8,994	7,100		
Marygold Mutual Water Company			1,049	
MWD of Southern California			56,006 ^(m)	
Ontario, City of ⁽ⁿ⁾				504
Pomona, City of ^(o)		662		1,288
San Antonio Water Company	5,888	3,231		
San Bernardino ^(p) County				641
Upland, City of				218
West End Consolidated Water Company	2,491			
West San Bernardino Co. Water District	4,736			
West Wind Park ^(q)				90
Sub-Total	30,304	17,121	57,055	2,741
TOTAL		194,488		

*Tracy Strawn
Jul 26, 1995*

58,288.8

- ^(a) Includes water used over Cucamonga Basin.
- ^(b) Reclaimed Water - For the record only, not a part of Other Imported Supplies.
- ^(c) Figures represent water used at Ontario National Golf Course in Ontario.
- ^(d) Represents 89.7 acre feet of reclaimed water served to the City of Ontario for use at West Wind Park in Ontario.
- ^(e) Figures shown for City of Pomona reflect that amount used within the Chico Basin, i.e., 53,820.
- ^(f) Includes total MWD water delivered to CWSWD service area as shown on Appendix E; direct groundwater replenishment deliveries of 3,789.3 acre feet (Appendix E-1); and direct cyclic storage deliveries of 1,761.1 acre feet (Appendix F).

APPENDIX "H"

TOTAL WATER USED WITHIN CHINO BASIN ⁽¹⁾

(Acre Feet)

Fiscal Year	Chino Basin Extractions	Other Imported Supplies ⁽²⁾	Total
74/75	175,757	49,383	225,140
75/76	181,017	57,686	238,703
76/77	173,355	55,765	229,120
77/78	154,675	61,567	216,242
78/79	141,314	75,864	217,178
79/80	140,566	70,727	211,293
80/81	144,416	77,765	222,181
81/82	137,532	67,491	205,023
82/83	122,635	76,000	198,635
83/84	132,799	99,257	232,056
84/85	134,563	92,952	227,515
85/86	136,113	114,624	250,737
86/87	147,068	126,493	273,561
87/88	152,402	116,175	268,577
88/89	143,998	128,167	272,165
89/90	154,620	139,004	293,624
90/91	140,151	116,493	256,644
91/92	141,904	104,480	246,384

⁽¹⁾ Includes water used over Cucamonga Basin.

⁽²⁾ Does not include reclaimed water.

APPENDIX "I"

LOCAL STORAGE STATUS
JULY 1, 1992

<u>AGENCY</u>	<u>DATE OF AGREEMENT</u>	<u>AMOUNT OF AGREEMENT</u>	<u>AMOUNT IN STORAGE</u>
AMERON #6	3/30/83	100.00 AF	100.000 AF
AMERON #6.1	4/06/88	500.00 AF	500.000 AF
AMERON #6.2	8/05/92	500.00 AF	6.480 AF
CHINO, CITY OF #12	1/23/85	15,000.00 AF	1,075.327 AF
CONROCK #1	6/30/79	1,589.22 AF	1,589.220 AF
CONROCK #1.1	5/30/84	1,589.22 AF	1,589.220 AF
CONROCK #1.2	2/07/90	1,589.22 AF	1,271.376 AF
CUCAMONGA CO. W.D. #10	5/30/84	5,000.00 AF	5,000.000 AF
CUCAMONGA CO. W.D. #10.1	5/06/87	5,000.00 AF	5,000.000 AF
CUCAMONGA CO. W.D. #10.2	4/06/88	20,000.00 AF	20,000.000 AF
CUCAMONGA CO. W.D. #10.3	6/07/89	50,000.00 AF	4,571.448 AF
FONTANA UNION W.C. #2	7/30/80	31,500.00 AF	0.000 AF
FONTANA UNION W.C. #2.1	4/06/88	31,500.00 AF	0.000 AF
FONTANA WATER CO. #28	8/05/92	5,000.00 AF	0.000 AF
KAISER STEEL #9	5/30/84	15,000.00 AF	15,000.000 AF
KAISER STEEL #9.1	10/07/87	15,000.00 AF	4,527.662 AF
MARYGOLD MUT. W.C. #16.1	4/06/88	500.00 AF	500.000 AF
MARYGOLD MUT. W.D. #16.2	6/07/89	2,000.00 AF	2,441.455 AF
MONTE VISTA IRRIG. CO. #17	5/07/89	500.00 AF	500.000 AF
MONTE VISTA IRRIG. CO. #17.1	6/06/90	2,500.00 AF	1,417.733 AF
MONTE VISTA WATER DIST #27	8/05/92	2,500.00 AF	329.048 AF
MUT WC OF GLEN AVON HTS. #26	6/05/91	500.00 AF	108.204 AF
ONTARIO, CITY OF #11.1	6/07/89	10,000.00 AF	10,000.000 AF
POMONA, CITY OF #15	1/29/86	7,000.00 AF	7,000.000 AF
POMONA, CITY OF #15.1	4/06/88	13,000.00 AF	13,000.000 AF
POMONA, CITY OF #15.2	6/06/90	10,000.00 AF	10,000.000 AF
POMONA, CITY OF #15.3	8/05/92	10,000.00 AF	17,178.718 AF
SAN ANTONIO W.C. #3	8/15/80	2,500.00 AF	2,500.000 AF
SAN ANTONIO W.C. #3.1	11/05/86	2,500.00 AF	2,500.000 AF
SAN ANTONIO W.C. #3.2	4/06/88	10,000.00 AF	8,539.043 AF
S.B.CO. AVIATION DIV #5	3/31/82	400.00 AF	116.554 AF
S.B.CO.W.W. DIST. NO. 8 #18	5/07/86	2,400.00 AF	2,400.000 AF
S.B.CO.W.W. DIST. NO. 8 #18.1	4/06/88	15,000.00 AF	14,073.893 AF
SANTA ANA RIVER W.C. #20	5/06/87	1,500.00 AF	271.977 AF
SO. CAL. EDISON #14	6/05/85	500.00 AF	500.000 AF
SO. CAL. EDISON #14.1	4/06/88	5,000.00 AF	818.787 AF

APPENDIX "I"
APPENDIX "I" (continued)

AGENCY	DATE OF AGREEMENT	AMOUNT OF AGREEMENT	AMOUNT IN STORAGE
SO. CAL. WATER #23	12/07/88	500.00 AF	333.782 AF
SOUTHERN SVC. CO. #22	4/06/88	100.00 AF	7.624 AF
SPACE CENTER MIRA LOMA #4	3/31/82	100.00 AF	100.000 AF
SPACE CENTER MIRA LOMA #4.1	11/05/86	200.00 AF	150.294 AF
SUNKIST GROWERS INC. #7	3/30/83	2,500.00 AF	2,500.000 AF
SUNKIST GROWERS INC. #7.1	11/05/86	5,000.00 AF	4,007.325 AF
SWAN LAKE #21	5/06/87	300.00 AF	300.000 AF
SWAN LAKE #21.1 5/06/91		500.00 AF	433.100 AF
UNION CARBIDE-LINDE #8	3/30/83	150.00 AF	150.000 AF
UNION CARBIDE-LINDE #8.1	11/05/86	2,000.00 AF	2,000.000 AF
UNION CARBIDE-LINDE #8.2	4/06/88	3,000.00 AF	1,765.552 AF
UPLAND, CITY OF #24	4/05/89	1,000.00 AF	1,000.000 AF
UPLAND, CITY OF #24.1	6/06/90	8,000.00 AF	6,775.297 AF
WATERMASTER #29	8/05/92	10,000.00 AF	5,862.146 AF
WEST END CONSOL. W.C. #13	6/05/85	2,500.00 AF	2,500.000 AF
WEST END CONSOL. W.C. #13.1	4/06/88	6,000.00 AF	6,000.000 AF
WEST END CONSOL. W.C. #13.2	8/05/92	6,000.00 AF	2,274.973 AF
WEST SAN SBMO CO WTR DIST #25	1/10/91	3,000.00 AF	2,543.777 AF
		<u>348,917.66 AF</u>	<u>293,139,918 AF</u>

APPENDIX "I-1"

**SUMMARY OF
TRUST STORAGE AGREEMENTS
IN TRUST FOR
THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA
WITH
WATERMASTER AS TRUSTEE**

**For Fiscal Year 1991/1992*
(ACRE FEET)**

ASSIGNEE	YEAR OF EXCHANGE	AMOUNT OF EXCHANGE	TOTAL AMOUNT YEAR-TO-DATE
Cucamonga County Water District	1987/88	3,033.9	3,033.9
City of Ontario	1987/88	4,640.4	4,640.4
Cucamonga County Water District	1988/89	5,064.9	8,098.8
City of Ontario	1988/89	1,359.6	6,000.0
Cucamonga County Water District	1989/90	11,501.2	19,600.0
City of Ontario	1989/90	4,875.9	10,875.9
Cucamonga County Water District	1990/91	11,350.0	30,950.0
City of Ontario	1990/91	3,579.1	14,454.2

**TOTAL AMOUNT HELD IN TRUST BY WATERMASTER
FOR METROPOLITAN WATER DISTRICT 45,404.2 ACRE FEET**

* Watermaster purchased 45,404.2 acre feet of water from this trust account in April 1992, leaving a zero "0" balance in this account.

APPENDIX "J"

**LIST OF INTERVENTIONS AND ASSIGNMENTS
Fiscal Year 1991/1992**

INTERVENOR

INACTIVE PARTY

OVERLYING (AGRICULTURAL) POOL

There were no interventions
during Fiscal Year 1991/1992.

APPROPRIATIVE POOL

Arrowhead Mountain Spring Water

None

OVERLYING (NON-AGRICULTURAL) POOL

California Steel Industries, Inc.

None

APPENDIX "K"

**WATERMASTER'S "NOTICE OF INTENT"
TO CHANGE THE OPERATING SAFE YIELD
OF THE CHINO GROUNDWATER BASIN**

PLEASE TAKE NOTICE that on this 30th day of June 1992, Chino Basin Watermaster hereby files this "NOTICE OF INTENT" to change the operating safe yield of the Chino Groundwater Basin pursuant to the Judgment entered in Chino Basin Municipal Water District v. City of Chino, et al., San Bernardino Superior Court, Case No. 164327 (now known as Case No. S1010) (Exhibit I, Paragraph 2b, Page 80).

Approved by the
Watermaster Advisory Committee

By Rob J. Hartman
Rob Hartman, Chairman

CHINO BASIN WATERMASTER

By Dwight French
Dwight French, Chairman

ATTEST:

By Bill Hill
John L. Anderson, Secretary
Bill Hill, Asst. Secretary/Treas.

APPENDIX "L"

CHINO BASIN WATERMASTER

Annual Financial Report

Year-End June 30, 1992

APPENDIX "L - 1"

**CHINO BASIN WATERMASTER
BOARD OF DIRECTORS, EXECUTIVE STAFF, AND CONSULTANTS
JUNE 30, 1992**

WATERMASTER MEMBERS

MEMBERS	OFFICE
Dwight F. French	Chairman
George A. Borba	Vice-Chairman
John L. Anderson	Secretary/Treasurer
Anne W. Dupihue	Member
Bill M. Hill	Member

STAFF

Edwin D. James	Chief Watermaster Services
----------------	----------------------------

CONSULTANTS

Reardon & Associates, Certified Public Accountants	Auditors
Guido R. Smith, Attorney At Law	Legal Counsel

APPENDIX "L - 2"

CHINO BASIN WATERMASTER
ANNUAL FINANCIAL REPORT
JUNE 30, 1992

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APPENDIX "L - 3"

Reardon & Associates
Certified Public Accountants

American Institute of Certified Public Accountants — Private Companies Practice Section
California Society of Certified Public Accountants

Valter F. Reardon, C.P.A.
Terene W. Blumner, C.P.A.
Lachno M. Stares, C.P.A.
A Professional Corporation

Gregory R. Sarraga, C.P.A.
A. Kay Brown, C.P.A.
Kelly K. McMenom, C.P.A.
Shama Menon, C.P.A.
Michael J. Richmond, C.P.A.
Robert A. Valent, C.P.A.


INDEPENDENT AUDITORS' REPORT

To the Board of Directors
Chino Basin Watermaster
8555 Archibald Avenue
Rancho Cucamonga, California 91730

We have audited the accompanying general purpose financial statements of Chino Basin Watermaster as of June 30, 1992, and for the year then ended. These general purpose financial statements are the responsibility of Chino Basin Watermaster management. Our responsibility is to express an opinion on these general purpose financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the general purpose financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the general purpose financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the general purpose financial statements referred to above present fairly, in all material respects, the financial position of Chino Basin Watermaster as of June 30, 1992, and the results of its operations and cash flows of its proprietary and similar trust fund types for the year then ended in conformity with generally accepted accounting principles.


Upland, California
September 23, 1992

APPENDIX "L - 4"

CHINO BASIN WATERMASTER

Exhibit 1

BALANCE SHEET

June 30, 1992
(With Comparative 1991 Totals)

	<u>1992</u>	<u>1991</u>
<u>ASSETS</u>		
Cash in bank	\$95,978	\$51,597
Time certificates of deposit	1,046,000	4,046,000
Accounts receivable - trade	-	450,041
Assessments receivable	-	693,860
Interest receivable	-	34,833
Prepaid office supplies	445	479
Deferred charges	33,002	16,484
TOTAL ASSETS	<u>\$1,175,425</u>	<u>\$5,293,274</u>
<u>LIABILITIES AND RETAINED EARNINGS</u>		
LIABILITIES		
Accounts payable	\$115,286	\$31,699
MWD water conservation program	33,002	16,484
TOTAL LIABILITIES	<u>148,288</u>	<u>48,183</u>
RETAINED EARNINGS		
Reserved for Watermaster activities	1,027,137	5,245,121
TOTAL LIABILITIES AND RETAINED EARNINGS	<u>\$1,175,425</u>	<u>\$5,293,274</u>

See accompanying notes to financial statements

APPENDIX "L - 5"

CHINO BASIN WATERMETER

Exhibit 2

STATEMENT OF REVENUE, EXPENSES AND RETAINED EARNINGS

For the Fiscal Year Ended June 30, 1992
(With Comparative 1991 Totals)

	1992		VARIANCE - FAVORABLE	1991
	BUDGET	ACTUAL	(UNFAVORABLE)	
REVENUE:				
Assessment revenue				
Replenishment water assessments	83,948,350	84,858,525	910,175	83,498,001
Administrative assessments	38,873	132,649	94,776	134,130
Special assessment	-	382,480	382,480	-
Water sales				
Stored water	-	1,004,520	1,004,520	-
Direct water	-	28,900	28,900	-
Miscellaneous revenue	-	-	-	973,841
Interest revenue	162,525	267,144	104,621	192,793
Total Revenue	4,143,948	5,934,220	1,790,272	4,799,965
EXPENSES:				
CBMB Service Contract				
Salaries, payroll burden & overheads	90,375	101,475	(11,100)	93,730
Materials and supplies	250	112	138	218
Printing and mailing	4,825	182	4,643	2,526
Other expenses	7,100	1,851	5,249	2,272
Insurance expenses	-	13,870	(13,870)	-
General and administrative	9,375	11,613	(2,238)	3,306
Total CBMB Service Contract	107,925	129,112	(21,187)	64,132
Replenishment water deliveries	3,943,275	7,104,992	(3,239,717)	361,977
Replenishment from storage	-	1,118,000	(1,118,000)	-
Stored water purchases	-	1,092,000	(1,092,000)	-
Printing and mailing	2,745	2,569	176	641
Contract labor and materials	436,460	463,900	(27,440)	23,975
Audit fees	2,500	3,815	(1,315)	3,011
Legal fees	12,700	79,542	(66,842)	-
Engineering fees	-	43,643	(43,643)	20,831
Hearing compensation	2,450	2,200	250	2,750
Bad debt	-	34,699	(34,699)	-
Other direct expenses	400	1,644	(1,244)	-
Total Expenses	4,530,635	10,152,304	(5,621,549)	478,517
EXCESS (DEFICIT) REVENUE OVER EXPENSES	(386,787)	(4,217,984)	(3,833,277)	4,323,448
RETAINED EARNINGS AT BEGINNING OF YEAR	9,245,121	9,245,121	-	921,673
RETAINED EARNINGS AT END OF YEAR	84,860,414	81,027,137	(3,833,277)	85,243,121

See accompanying notes to financial statements

APPENDIX "L - 6"

CHINO BASIN WATERMASTER

EXHIBIT 3

STATEMENT OF CASH FLOWS

For the Fiscal Year Ended June 30, 1992
(With Comparative 1991 Totals)

	1992	1991
CASH FLOWS FROM OPERATING ACTIVITIES		
Cash received from customers	\$6,380,954	\$2,938,251
Cash received from suppliers	450,041	525,000
Cash paid for goods and services	(10,068,583)	(463,485)
Net Cash Provided (Used) by Operating Activities	(3,237,588)	2,999,766
CASH FLOWS FROM INVESTING ACTIVITIES		
Net (increase) decrease in TCDA	3,000,000	(3,225,000)
Interest on investments	281,969	157,970
Net Cash Provided (Used) by Investing Activities	3,281,969	(3,067,030)
NET INCREASE (DECREASE) IN CASH	44,381	(67,264)
CASH, BEGINNING	51,597	118,861
CASH, ENDING	\$95,978	\$51,597
RECONCILIATION OF OPERATING INCOME TO NET CASH PROVIDED BY OPERATING ACTIVITIES:		
Operating income (loss)	(\$4,217,984)	\$4,323,448
Adjustments to reconcile operating income to net cash provided by operating activities:		
Interest revenue	(247,146)	(192,793)
Change in assets and liabilities:		
Accounts receivable	1,143,921	(1,143,921)
Prepaid expenses	34	(121)
Deferred charges	(16,548)	(16,454)
Accounts payable	83,587	13,153
WWD water conservation program	16,548	16,454
Net cash provided by operating activities	(\$3,237,588)	\$2,999,766

See accompanying notes to financial statements

APPENDIX "L - 7"

CHINO BASIN WATERMASTER
NOTES TO FINANCIAL STATEMENTS

JUNE 30, 1992

1. Organization and Significant Accounting Policies

Organization:

The Chino Basin Watermaster was established under the Judgement entered in Superior Court of the State of California for the County of San Bernardino as a result of Case No. 164327 entitled "Chino Basin Municipal Water District v. City of Chino et al", signed by the Honorable Judge Howard B. Wiener on January 27, 1978. The effective date of this Judgement for accounting and operations was July 1, 1977.

Pursuant to the Judgement, the Chino Basin Municipal Water District (CBMWD) five (5) member Board of Directors is appointed "Watermaster", responsible for implementing the terms of the Judgement. Three (3) committees were formed: (1) Overlying (Agricultural) Pool, including the State of California and minimal producers; (2) Overlying (Non-Agricultural) Pool representing industry; and (3) Appropriative Pool, representing cities and water companies. The three pools acting together form the "Advisory Committee", which serves to make recommendations for formal action to the Chino Basin Watermaster.

Basis of Accounting:

The accounts of the Chino Basin Watermaster are maintained on the accrual basis and are reported as a single enterprise. Separate accounting records are maintained to segregate the Watermaster activities, as required under the Judgement and the rules and regulations of the Watermaster and each Pool (see Schedule 1). Investments are stated at cost, which approximates market.

Cash, Deposits, Short-Term and Pooled Investments:

State statutes and the Watermaster's investment policy authorize the Watermaster to invest in obligations of the U.S. Treasury and other U.S. agencies, banker's acceptances, commercial paper rated A-1 by Standard and Poor's Corporation or P-1 by Moody's Commercial Paper Records, certificates of deposit with financial institutions having an operating branch within the Watermaster geographic area, repurchase agreements, and the state treasurer's investment pool.

APPENDIX "L - 8"

CHINO BASIN WATERMASTER
NOTES TO FINANCIAL STATEMENTS

JUNE 30, 1992

The Watermaster's investments are categorized to give an indication of the level of risk assumed at year end by the following three categories:

Category 1:

- o Includes deposits insured or collateralized with securities held by the Watermaster or its agent in the Watermaster's name.
- o Includes investments that are insured or registered or for which the securities are held by the Watermaster or its agent in the Watermaster's name.

Category 2:

- o Includes deposits with collateralized securities held by the pledging financial institution's trust department or agent in the Watermaster's name.
- o Includes uninsured and unregistered investments for which the securities are held by the broker's or dealer's trust department or agent in the Watermaster's name.

CATEGORY 3:

- o Includes uncollateralized deposits or deposits with collateralized securities held by the financial institution or its agent, but not in the Watermaster's name.
- o Includes uninsured and unregistered investments for which securities are held by the broker or dealer or by its trust department or agent but not in the Watermaster's name.

	Category			Carrying amount	Market value
	1	2	3		
Cash	\$ 98,978	-	\$ -	\$ 98,978	\$ 98,978
Certificates of deposit	200,000	-	846,000	1,046,000	1,046,000
Total	\$ 298,978	-	\$ 846,000	\$ 1,141,978	\$ 1,141,978

For the purposes of the statement of cash flows, the Chino Basin Watermaster considers cash to be defined as demand deposits and saving accounts. Certificates of deposit are included in short term investments.

APPENDIX "L - 9"

CHINO BASIN WATERMASTER
NOTES TO FINANCIAL STATEMENTS

JUNE 30, 1992

2. Appropriative Pool Interest Revenue Allocation

On August 30, 1979, the Appropriative Pool unanimously approved assessment procedures whereby any interest earned by the Watermaster on replenishment assessments paid by Appropriative Pool members would reduce the total current assessment due from those members. Fiscal 1990/91 interest revenue was allocated to the Appropriative Pool members based on the funds received in payment of the 1990/91 assessments, resulting in a reduction of the 1991/92 assessment and a subsequent transfer of funds from the Appropriative Pool to Groundwater Replenishment.

On October 8, 1992, the Appropriative Pool reviewed the minute action of August 30, 1979, and determined that it was not their intent to transfer prior year interest revenue from the Appropriative Pool to Groundwater Replenishment. Therefore, this practice will be discontinued starting with fiscal year 1992/93.

3. Allocation of Watermaster Administration Expenses to Pools

Except for the cost of administering conjunctive/cyclic use agreements, Watermaster administration expenses are allocated to the pools based on the prior year production volume (or the same percentage used to set the annual assessments). Allocations for Fiscal 1991/92 expenses are based on the 1990/91 production volume:

Appropriative Pool	101,587.4	65.506%
Overlying Agricultural Pool	48,085.3	31.007%
Overlying Non-Agricultural Pool	<u>5,407.4</u>	<u>3.482%</u>
TOTAL PRODUCTION	155,080.1	100.000%

4. AGRICULTURAL POOL ASSESSMENTS

The Agricultural Pool members ratified an agreement with the Appropriative Pool at the meeting of June 16, 1988. The agreement required the Appropriative Pool to assume all future Agricultural Pool administrative expenses, including special project allocations. In return, the Agricultural Pool transferred all pool administrative reserves at June 30, 1988 (\$59,851) to the Appropriative Pool effective July 1, 1988.

APPENDIX "L - 10"

CHINO BASIN WATERMASTER
NOTES TO FINANCIAL STATEMENTS

JUNE 30, 1992

During June, 1988, the Agricultural Pool sold 2,000 acre feet of water in storage to Cucamonga County Water District. Funds from this sale are held and invested by the Watermaster Treasurer for future use as determined by the Agricultural Pool members. At June 30, 1992, the proceeds from the sale and interest earned totaled \$335,070.

5. REPLENISHMENT WATER DELIVERIES

The Watermaster assessed water producers to replenish 31,814.9 acre feet during fiscal 1991/92, based on fiscal 1990/91 production. During FY 1991/92, 58,868.7 acre feet were replenished, which included 27,053.8 acre feet that was deferred at June 30, 1991.

Reardon & Associates

Certified Public Accountants

American Institute of Certified Public Accountants - Private Companies Practice Section
California Society of Certified Public Accountants

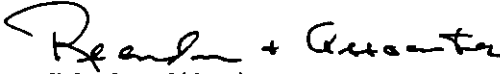
Walter F. Reardon, C.P.A.
Natalie W. Blumberg, C.P.A.
Sachin M. Sarda, C.P.A.
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Gregory R. Sarragar, C.P.A.
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Shama Menon, C.P.A.
Michael J. Richmond, C.P.A.
Robert A. Valenti, C.P.A.

INDEPENDENT AUDITORS' REPORT ON ADDITIONAL INFORMATION

To the Board of Directors
Chino Basin Watermaster
8555 Archibald Avenue
Rancho Cucamonga, California 91730

Our report on our audit of the general purpose financial statements of Chino Basin Watermaster for the year ended June 30, 1992, appears on the auditors' opinion page. That audit was made for the purpose of forming an opinion on the general purpose financial statements taken as a whole. The combining schedule of revenue, expenses and retained earnings for the year ended June 30, 1992 is presented for purposes of additional analysis and is not required as part of the general purpose financial statements. Such information has been subjected to the auditing procedures applied in the audit of the general purpose financial statements and, in our opinion, is fairly stated in all material respects in relation to the general purpose financial statements taken as a whole.


Upland, California
September 23, 1992

CHINO BASIN WATERMASTER
COMBINING SCHEDULE OF REVENUE, EXPENSES AND RETAINED EARNINGS
June 30, 1992

	WATERMASTER ADMINISTRATION		GROUNDWATER OPERATIONS		POOL ADMINISTRATION AND SPECIAL PROJECTS		CMAA		
	ADMINISTRATIVE PROJECTS	TOTAL	SR222 FUNDS	REPLENISHMENT FUNDS	AGRICULTURAL NON-AGRICULT. POOL	EDUCATIONAL POOL	FUNDS	TOTAL	
REVENUES:	\$ -	\$ -	\$ -	\$ 94,058,392	\$ -	\$ -	\$ 133	\$ -	\$ 94,058,525
Assessment Revenue	-	-	-	123,863	(133,813)	-	-	-	132,649
Replenishment water assessments	-	-	-	31,926	31,926	-	693	-	32,619
Transfer of pr for year interest to replenishment assessments	-	-	-	340,448	340,448	-	42,040	-	382,488
Administrative assessments	-	-	-	-	-	-	-	-	-
Special assessment	-	-	-	-	-	-	-	-	-
Water sales	-	-	20,470	1,064,050	-	-	-	-	1,084,520
Stored water	-	-	-	28,900	-	-	-	-	28,900
Direct water	-	-	-	-	229,700	16,517	625	104	247,146
Interest revenue	-	-	-	578,253	16,517	43,691	104	-	638,565
Total Revenues	-	-	20,470	5,275,185	578,253	16,517	43,691	104	5,934,220
EXPENSES:	-	-	-	7,186,992	-	-	-	-	7,186,992
Replenishment water deliveries	-	-	-	1,139,950	-	-	-	-	1,139,950
Replenishment from storage	-	-	(21,930)	1,092,000	-	-	-	-	1,070,070
Stored water purchases	-	-	-	-	-	5,946	-	-	5,946
CMAA salaries, payroll burden & overhead	95,529	95,529	-	-	-	-	-	-	95,529
CMAA general and administrative	354	354	-	-	-	1,339	-	-	1,693
Materials and supplies	6,895	6,895	17,436	17,101	861	-	89	-	25,282
Contract labor and materials	3,815	3,815	-	-	380,518	-	-	-	384,333
Lease fees	75,337	75,337	-	-	-	-	-	-	75,337
Engineering fees	1,725	1,725	-	-	18	-	-	-	1,743
Printing/composition	1,879	1,879	-	-	33,210	9,618	-	-	44,707
Insurance expenses	-	-	-	-	-	475	-	-	475
Bad debt	-	-	-	-	34,494	-	5	-	34,500
Other expenses	3,495	3,495	-	-	-	-	-	-	3,495
Total Watermaster Administration Expenses	204,542	204,542	-	17,598	-	(17,598)	7,373	-	194,715
Allocation of Admin. Expenses	(204,542)	(204,542)	-	204,082	-	-	-	-	462
Total Expense	-	-	(4,494)	9,434,023	670,981	-	51,694	-	10,152,204
ENCUMBRANCE (CITY) REVENUE OVER EXPENSES	-	-	28,964	(4,158,838)	(92,728)	16,517	(8,003)	104	(4,217,988)
RETAINED EARNINGS July 1, 1991	-	-	120,396	4,505,858	287,326	318,553	10,979	2,009	5,245,121
Transfer SR-222 reserves	-	-	-	(12,000)	108,095	-	3,905	-	99,000
RETAINED EARNINGS June 30, 1992	\$ -	\$ -	\$ 33,340	\$ 317,020	\$ 302,695	\$ 335,070	\$ 6,881	\$ 2,113	\$ 1,027,137

See accompanying notes to financial statements