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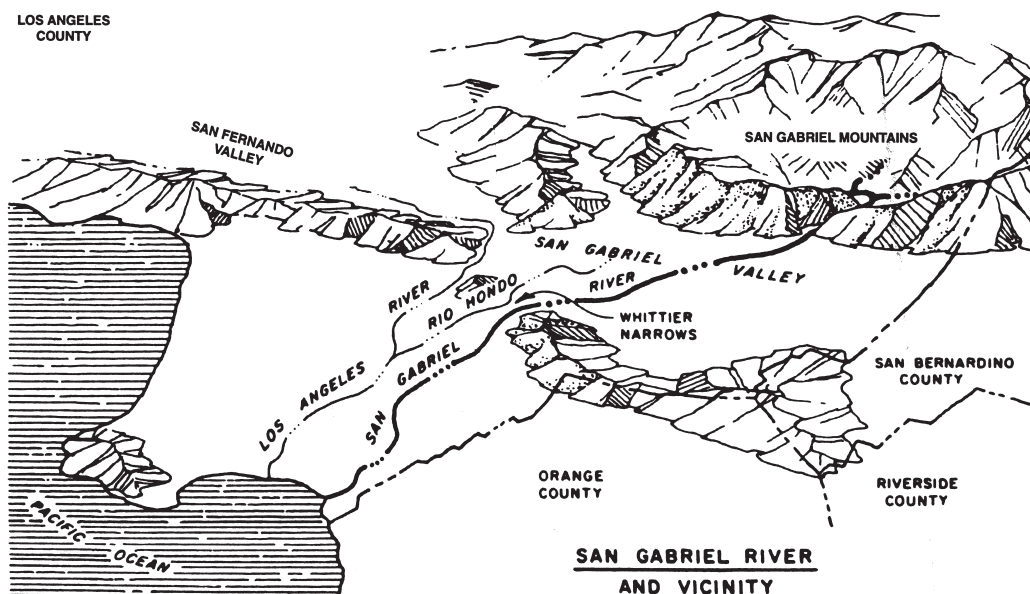
FORTY-SEVENTH ANNUAL REPORT

OF THE

SAN GABRIEL RIVER WATERMASTER

FOR

2009 - 10



City of Long Beach, et al., vs. San Gabriel Valley Water Co., et al.
Case No. 722647 – Los Angeles County

February 28, 2011

SAN GABRIEL RIVER WATERMASTER

FOR
CITY OF LONG BEACH ET AL VS SAN GABRIEL VALLEY WATER CO. ET AL
CASE NO. 722647-LOS ANGELES COUNTY

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February 28, 2011

To: Clerk of Superior Court of Los Angeles
County and All Parties

Re: Watermaster Report for 2009-10 Water Year

Gentlemen:

We have the honor of submitting the Forty-seventh Annual Report of the San Gabriel River Watermaster for water year 2009-10, in accordance with the Judgment in Case No. 722647 entered September 24, 1965. A complete summary of Watermaster Findings is contained in this Report.

The water year 2009-10 is the first year in the Fourth Long-term Accounting Period. The average precipitation at the four stations used to represent the San Gabriel Valley rainfall for 2009-10 was 20.23 inches or 109 percent of the long-term average annual rainfall of 18.52 inches as defined in the Judgment. The ten-year average rainfall from 2000-01 through 2009-10 amounted to 17.2 inches, which, according to Table A of the Judgment, established the Lower Area Annual Entitlement at 88,700 acre-feet for 2009-10.

The principal findings of the Watermaster under annual accounting for the water year 2009-10 are as follows:

	<u>Acre-Feet</u>
1. Lower Area Entitlement	88,700
2. Usable Water received by Lower Area in 2009-10	84,054
3. Upper Area Debit for Water Year 2009-10	4,646



Rio Hondo Spreading Grounds and the San Gabriel Mountains, December 30, 2010. The Picture illustrates a full spreading basin with more local water in the form of snow.

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CHAPTER I. ACTIVITIES OF WATERMASTER

This Report is for the forty-seventh year of operations under the Judgment in Case No. 722647 (the Long Beach case). Parties to the Judgment are listed on page A-1 of the Appendix. The Judgment declared that the Lower Area of the San Gabriel River System, the area downstream of Whittier Narrows, is entitled to receive an annual average of 98,415 acre-feet of Usable Water from the Upper Area, the area upstream of Whittier Narrows. The history of the litigation, the Judgment and related activities were described in the forty-sixth annual report on the occasion of the Third Long-term Accounting. Therefore, they will not be restated in this Report.

The activities of the Watermaster include administration of operations under the Judgment, performance of field inspections, collection of data and maintenance of records, analyses of data, preparation of the Report presenting the required determinations and findings, and maintenance of records of transfers of defendants' water rights. All operations and reports are based on the "Water Year," which is from October 1 through September 30.

Administration

The official office and depository of records of the Watermaster is 101 N. Brand Boulevard, Suite 1780, Glendale, California. Such records are available for inspection during regular office hours at that office upon the request of any Party.

An audit of income and expenditures of the Watermaster for water year 2009-10 was performed by the firm of Dillon and Avedissian, Accountancy Corporation (Dillon). Table 1 is the Statement of Income and Expenditures for water year 2009-10 based on the Dillon letter of January 12, 2011, which is included in the Appendix of this Report.

TABLE 2
WATERMASTER BUDGET
FOR
WATER YEAR 2010-11

1.	Administrative costs and general operating expenses	\$18,000.00
2.	Hydrologic analyses, collection of data and field inspection	40,000.00
3.	Additionally needed facilities	0.00
4.	Calculations and preparation of Watermaster Report for Water Year 2009-10	59,000.00
5.	San Gabriel River Conservancy and Master Planning	6,000.00
6.	Printing and reproduction costs	5,000.00
7.	Contingencies	<u>2,000.00</u>
	Total	\$130,000.00
	Less Surplus carried forward from 2009-10	0.00
	Less estimated interest income	<u>0.00</u>
	Amount to be financed for 2010-11	\$130,000.00

Proration to Parties for Payment

Upper San Gabriel Valley Municipal Water District	50.0%	\$65,000.00
Central Basin Municipal Water District	41.2%	53,560.00
City of Long Beach	7.125%	9,262.50
City of Compton	<u>1.675%</u>	<u>2,177.50</u>
Total	100%	\$130,000.00

Data Collection

The Watermaster collects data on streamflow, rainfall, water quality, ground water levels, export of ground water through Whittier Narrows, recycled water, imported replenishment water and other information as required. The principal source of data is the Los Angeles County Department of Public Works (hereinafter County). Copies of records were obtained from the County and many conferences were held between County personnel and Watermaster personnel in order that the Watermaster would be fully informed on the facts necessary to make the determinations required by the Judgment. The Watermaster acknowledges the County personnel for its emphasis on quality of the records it produces. Other data were obtained from the Metropolitan Water District of Southern California, the County Sanitation Districts of Los Angeles County, the Water Replenishment District of Southern California, the Upper San Gabriel Valley Municipal Water District, the San Gabriel Valley Municipal Water District, the Central Basin Municipal Water District, the San Gabriel Valley Water Company, the Main San Gabriel Basin Watermaster, the U. S. Army Corps of Engineers, the U. S. Environmental Protection Agency, and the U. S. Geological Survey (USGS). The Watermaster makes use of water level measurements in wells collected by University of Southern California on behalf of the San Gabriel Valley Protective Association.

The collected surface flow data are summarized in a daily operation computer model. This model, developed by Watermaster personnel, aids in the efficiency and accuracy of the analyses.

Field Inspections

During water year 2009-10, Watermaster staff made quarterly field inspections of

San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy

The California State Legislature in 1999 (SB 216) formed the San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy. The Conservancy is empowered to acquire and manage specified lands within the Main San Gabriel Basin, the watershed of the San Gabriel River and its tributaries, the Lower Los Angeles River and its tributaries, and the San Gabriel Mountains, to carryout the management, powers, and duties of the Conservancy, as specified by the legislation. The enabling legislation establishing the Conservancy created a Board of Directors of 13 voting members and seven ex officio non-voting members. The legislation specified that a member of the San Gabriel River Watermaster be appointed as one of the non-voting members. Mr. Thomas Stetson was appointed by the Watermaster as its representative on the Conservancy. Mr. Stephen Johnson and Mr. Stan Chen were appointed as alternates.

San Gabriel River Master Plan

The Los Angeles County Board of Supervisors in 1999 established a four-year study to master plan the San Gabriel River below Morris Reservoir. The County led the study. A steering committee was established by the County in late 1999, composed of River stakeholders. Mr. Richard Rhone represented the Watermaster on the Steering Committee. The County hired a consultant to prepare the Master Plan. The final Master Plan was approved by the County of Los Angeles Board of Supervisors on June 19, 2006. Periodic meetings on implementation of the Master Plan are being monitored by the Watermaster.

Stream Gaging Stations

The County and the U. S. Geological Survey operate the stream gaging stations on the

CHAPTER II. LOWER AREA ANNUAL ENTITLEMENT

The Lower Area Annual Entitlement for water year 2009-10 is based on the average annual rainfall which occurred in the 10-year period ending September 30, 2010 and the corresponding entitlement shown in Table A of the Judgment. Four precipitation stations are utilized to determine the annual precipitation for San Gabriel Valley. The four stations are located at San Dimas, Pomona, El Monte and Pasadena.

Rainfall

Rainfall records at Stations 95 (San Dimas) and 108D (El Monte) were determined to be inaccurate prior to the 2008-09 water year when compared to other adjacent rainfall stations, and required adjustments as noted in prior reports. During water year 2006-07, Watermaster provided funds for the County to construct two automatic rain gages located adjacent to Stations 95 and 108D to insure more complete and accurate records. During water year 2009-10, no adjustments to rainfall data were required.

Rainfall during water year 2009-10 at the four stations was measured as follows:

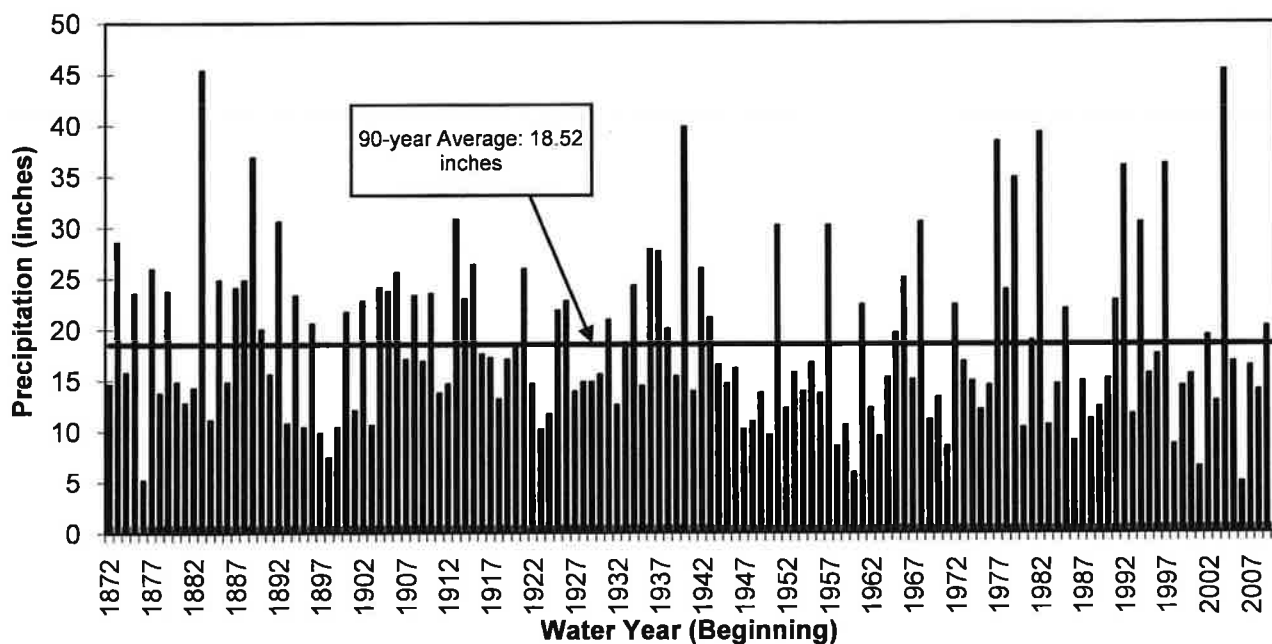
<u>Station Number</u>	<u>Location</u>	<u>Depth of Rainfall in Inches</u>
95	164 South Walnut Avenue, San Dimas	20.76
108D	3615 North Santa Anita Avenue, El Monte	16.77
356C†	Spadra-Lanterman Hospital, Pomona	18.27
610B	City Hall, Pasadena	<u>25.11</u>
Four Station Average Rainfall		20.23

† Replaced Station 102D in 2000-01. See Thirty-Eighth Annual Report.

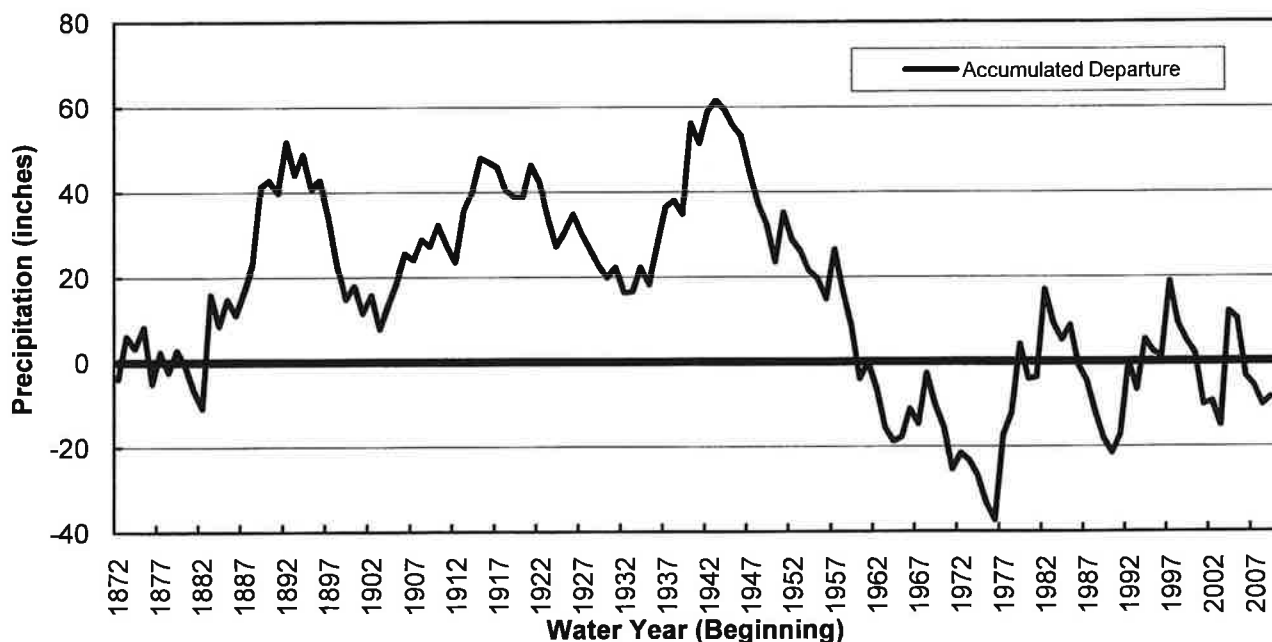
Measured rainfall during water year 2009-10 averaged 20.23 inches in the San Gabriel

FIGURE 1

SAN GABRIEL VALLEY PRECIPITATION 1872-73 THROUGH 2009-10



SAN GABRIEL VALLEY PRECIPITATION 1872-73 THROUGH 2009-10



HISTORICAL PRECIPITATION IN THE SAN GABRIEL VALLEY

TABLE 3

**AVERAGE ANNUAL RAINFALL IN SAN GABRIEL VALLEY
2000-01 THROUGH 2009-10**

Water Year	Annual Precipitation Rainfall
2000-01	15.5
2001-02	6.4
2002-03	19.4
2003-04	12.9
2004-05	45.3
2005-06	16.8
2006-07	4.9
2007-08	16.4
2008-09	14.0
2009-10	<u>20.2</u>
Total	171.8
10-Year Average	17.2

Lower Area Annual Entitlement

Based on the 10-Year average rainfall of 17.2 inches, the Lower Area Annual Entitlement for the water year 2009-10 is 88,700 acre-feet, determined from Table A of the Judgment.

CHAPTER III. USABLE WATER RECEIVED BY LOWER AREA

Presented in this Chapter is the determination of the quantity of Usable Water received by the Lower Area during water year 2009-10. Also included is a discussion of the quality of water of the San Gabriel River system.

Surface Flow

The items to be included in Surface Flow through Whittier Narrows are set forth in Section III.A of Exhibit B of the Judgment. The gaging station measured flows and estimated flows are described below. The Judgment provides for adjustments to the measured flows where applicable. Some measurements during water year 2009-10 were found to be unreliable, questionable, or in error and appropriate adjustments were made by Watermaster. These adjustments are discussed later in this chapter, under the heading "Adjustments to Surface Flow."

Rio Hondo Above Mission Bridge, Station F64

In August of 1978, the flow recorder at this station was removed due to high maintenance costs and very poor control caused by a shifting sand bottom at the station. Also, the use of Whittier Narrows Reservoir for storage of storm waters for conservation purposes causes frequent backwater at the station during storm operations. After reinstallation of the gaging station in 1985, the County again removed the recorder at this station in 1995. Since 1995, the County hydrographer schedules periodic current-meter measurements at this station. Using these measurements and upstream measurements, a record of flow has been developed over the years that is considered to be more accurate than the recorder. This is due

those cases, appropriate adjustments were made, which are described later under the heading "Adjustments to Surface Flow."

Mission Creek at San Gabriel Boulevard, Station F83

The recorder was removed from this station during water year 1977-78 because of construction work by the Los Angeles County Road Department and the designation of the station was changed from "F83-R" to "F83", a non-recording station. Historically, the majority of the water carried in Mission Creek was rising water. During quarterly field inspections Watermaster staff observed no flow in Mission Creek. The total flow in Mission Creek, Station F83, for water year 2009-10 was determined to be 0 acre-feet.

Rio Hondo By-Pass Channel (Zone I Ditch), Station F313B-R

The measured flow at Zone I Ditch, Station F313B-R, for water year 2009-10 was reported by the County to be 33,870 acre-feet.

Whittier Narrows Flood Channel, Station G44B-R (formerly F337-R)

Station F337-R was located on the Rosemead Boulevard Bridge. Construction work in 1978-79 removed a levee which directed flow past this station and made the rating curve at this station questionable. Poor communication existed between the channel and the stilling well. In addition, the station was subject to backwater from the Rio Hondo side of Whittier Narrows Reservoir. However, water entering the Flood Channel crosses over a stabilizer weir. The County, in 1993, established a gaging station utilizing the stabilizer weir with a recorder and has designated the Whittier Narrows Flood Channel as station G44B-R. The Watermaster utilizes records developed by the County and has verified the data utilizing a weir formula and records of reservoir stage obtained from the Corps of Engineers, operators of Whittier Narrows Reservoir. In general, these comparisons provided reasonably accurate

Flow in San Gabriel River at Florence Avenue, Station F262C-R, for water year 2009-10 was recorded by the County to be 2,325 acre-feet.

Rio Hondo Spreading Grounds Intake (Headworks)

The County constructed a low level intake to the Rio Hondo East Side Spreading Grounds in 1987. This intake supplements the original higher level intake and allows water to be diverted into the spreading grounds when the radial gates on the Rio Hondo are raised. The spreading grounds inflow data were historically used to verify other records of inflow and to make adjustments.

Metering of the new low level intake was to be provided by means of an acoustical meter. When the low level installation was made a number of years ago, the County specified an Accusonic meter located in the 102-inch diameter pipe downstream from the undershot slide gate assembly. Because of turbulence and air entrainment, the meter did not work properly and was moved to the intake channel located between the Rio Hondo channel and the diversion structures. Metering of the low level intake has not yet been performed successfully. There were periods of time during which the records of Spreading Grounds inflow did not exist or were not accurate. The County installed a Flodar measuring device in February 2006. However, the measuring device is inaccurate when flow in the pipe is less than three feet. The County intended to replace this device in 2007 with a Flodar measuring device with a full operating range for the 102-inch diameter pipe at a location downstream of the turbulence. The modification had not occurred as of September 30, 2010.

Several letters were sent to the County during water year 1994-95 which resulted in some facilitation of measures to improve accuracy of data at this station and other stations of concern to the Watermaster. For the low level intake, the project consisted of the replacement

Thus, Recycled Water now delivered to the Zone I Ditch is included with the water measured at Station F313B-R. During water year 2009-10, 387 acre-feet of Recycled Water was delivered to the Zone I Ditch.

Recycled Water Delivered to San Gabriel River Below Station F263C-R

The San Jose Creek Water Reclamation Plant is located near the intersection of San Gabriel River and San Jose Diversion Channel, as shown on Plate 1. Recycled Water from this plant is carried in an outfall pipeline which generally parallels the San Gabriel River to a point south of Florence Avenue, where the flow can be released to the lined channel of the San Gabriel River. At the San Gabriel River Spreading Grounds Headworks, there is a turnout from this outfall pipeline so that Recycled Water can be delivered to the San Gabriel River Spreading Grounds or the unlined portion of the San Gabriel River for ground water replenishment. This outlet is located downstream of Station F263C-R and is equipped with a propeller meter.

During water year 2009-10, 8,581 acre-feet from the San Jose Creek Water Reclamation Plant was delivered via this outfall pipeline to the San Gabriel River Spreading Grounds Headworks for replenishment purposes.

The flow in the San Jose Creek outfall pipeline which is not diverted for replenishment use is delivered to the lined portion of the San Gabriel River and flows to the ocean. During water year 2009-10, such flow amounted to approximately 25,000 acre-feet, and is not included as Surface Flow under the Judgment.

A second turnout for replenishment purposes from the San Jose Creek Water Reclamation Plant was first used in December 1986 to provide the option of releasing Recycled Water directly to the San Jose Diversion Channel. San Jose Creek Water Reclamation

High runoff conditions occur during and following certain storms. Certain inconsistencies can result from the inflow minus outflow calculations. While the stream gaging measurements may be within the accuracy of normal stream gaging measurements during periods of high flow, the amount of Usable Surface Flow is only a small portion of the total flow. Inaccuracies in the gaging of total flow will affect the determination of Usable Surface Flow. It also should be noted that storm runoff through Whittier Narrows has increased as a result of urbanization which tends to produce higher peak flows of shorter duration.

Accordingly, the Watermaster, after evaluating the available data, determined that for certain periods of time adjustments should be made in the quantities of Surface Flow, as derived from the measurements. An alternative method of determining Surface Flow for the Rio Hondo was outlined in the Fifth Annual Watermaster Report. In this method, an adjustment is made by first determining the amount delivered to Rio Hondo Spreading Grounds and adding thereto the estimated amount of water infiltrated in the Rio Hondo portion of the Whittier Narrows Reservoir. This is compared to the measured inflow minus the outflow and a determination is made as to the most reliable quantities.

Changes in the method of determining Surface Flow can be made under the terms of the Judgment. Reference is made to Exhibit B of the Judgment, Article III, Section A entitled, "Surface Water Measurements and Calculations," which reads in part:

"In the event that any of the aforementioned gaging stations are inoperative for any reason and for any period of time the Watermaster shall estimate the quantity that would have been measured at the station had it been operative. The estimate shall be based on correlation to nearby operative measuring stations or on other reasonable engineering methods."

TABLE 4

**LOWER AREA INFLOW AND OUTFLOW
ADJUSTMENT TO RIO HONDO INFLOW**

	:	Amounts in Acre-Feet
	:	For 19 Days ^(a) of the
Item	:	Water Year 2009-10

A. UNADJUSTED INFLOW

Rio Hondo Above Mission Bridge, F64		27,240
Mission Creek at San Gabriel Boulevard, F83		0
Rio Hondo By-Pass Channel (Zone I Ditch)		387
Whittier Narrows Flood Channel		28,033
Sycamore Canyon		89
Ungaged Recycled Water (WNWRP)	396	
Total Unadjusted Inflow		56,145

B. ADJUSTED INFLOW

Infiltration		
Spreading grounds infiltration	23,147	
Reservoir area infiltration	1,458	
Total infiltration		24,605
Change in Reservoir Storage	+	5,547
Outflow at Stewart and Gray Road		<u>14,676</u>
Total Adjusted Inflow		44,828

C. ADJUSTMENT

Adjustment to Rio Hondo Inflow	<u>- 11,317</u>
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(a) Days adjusted were October 13, 14; December 7, 8, 11-14; January 18-22; February 5, 6, 27; March 6 and April 5, 12.

TABLE 5**SUMMARY OF SURFACE FLOW THROUGH WHITTIER NARROWS
FOR WATER YEAR 2009-10**

	<u>Amount in Acre-Feet</u>
Rio Hondo above Mission Bridge, Station F64	32,710
Mission Creek at San Gabriel Boulevard, Station F83	0
Rio Hondo By-Pass Channel, Station F313B-R	33,870
Whittier Narrows Flood Channel	30,150
Sycamore Canyon	105
San Gabriel River below Parkway Bridge, Station F263C-R	27,530
Recycled Water from Whittier Narrows Plant Delivered to Rio Hondo below Station F64	4,024
Recycled Water from San Jose Plant Delivered to San Gabriel River below Station F263C-R	8,581
Less Adjustment to Rio Hondo Inflow (Table 4)	<u>-11,317</u>
Total Surface Flow	125,653

Time	Subsurface Flow in Acre-Feet
-------------	---

Spring 2008	33,800
Fall 2008	28,500
Spring 2009	26,100
Fall 2009	33,600
Spring 2010	23,200
Fall 2010	<u>31,400</u>

Subsurface Flow 2009-10	29,400
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Export to Lower Area

The Watermaster is required to determine the amount of water which is pumped from groundwater or diverted from surface streams in the Upper Area and transported in conduits through Whittier Narrows and used in Lower Area.

During the water year 2009-10, there were four entities which transported water by pipeline through Whittier Narrows. All of the water exported through the Narrows was groundwater produced in the San Gabriel Valley. The annual export for each of the four exporters is shown below:

Exporter	Acre-Feet
California Domestic Water Company	19,575
San Gabriel Valley Water Company	2,380
Suburban Water Systems	12,036
City of Whittier	<u>6,046</u>
Total	40,037

The Judgment provides that the maximum annual credit for export in the

channels from the WNOU Project for the water year 2009-10 as all water was delivered to either Legg Lake or the City of Whittier.

Analysis of daily flows indicated that there was no imported water loss to the ocean for water year 2009-10. After evaporative losses, the net amount of Lower Area Replenishment Water amounted to 26,110 acre-feet.

Recycled Water

Recycled Water used for replenishment of the Montebello Forebay came from three separate plants, each of which is operated by the County Sanitation Districts.

Whittier Narrows Water Reclamation Plant

The total amount of Recycled Water produced at the Whittier Narrows Water Reclamation Plant during the water year 2009-10, and delivered to stream channels, was 5,525 acre-feet. During water year 2009-10, Whittier Narrows effluent was bypassed during storm operations. The amount of water bypassed that was included as Surface Outflow totaled 94 acre-feet for water year 2009-10. Therefore, a total of 5,431 acre-feet of Recycled Water from the Whittier Narrows Water Reclamation Plant was purchased by the Water Replenishment District of Southern California and replenished in the Montebello Forebay.

Pomona Water Reclamation Plant

County Sanitation District No. 21 owns and operates a water reclamation plant near the City of Pomona. A portion of the Recycled Water is sold for industrial, agricultural, landscaping and other uses. During the water year 2009-10 about 50 percent of Recycled Water from this plant reached Whittier Narrows. The plant facilities, discharge of effluent from the plant, and the method of determining the amount of discharge generated within the San Gabriel River system and reaching Whittier Narrows were described in the Fifth Annual

such Recycled Water was replenished in the Montebello Forebay. Total plant effluent for the water year 2009-10 was about 77,000 acre-feet.

Summary of Recycled Water

The total amount of Recycled Water deducted from the inflow is 52,808 acre-feet for the water year 2009-10. This is comprised of 5,431 acre-feet from the Whittier Narrows Water Reclamation Plant, 1,839 acre-feet from the Pomona Water Reclamation Plant which originated within the San Gabriel River watershed, and 45,538 acre-feet from the San Jose Creek Water Reclamation Plant.

Make-up Water by Surface Flow Delivery

During water year 2009-10, the Upper Area did not supply any Make-Up Water by surface flow delivery or otherwise since there was no Make-up Water requirement to be delivered for that year.

Recirculation of Measured Water

There was no recirculation of measured water as defined in Paragraph 3(1) (6) of the Judgment during the water year 2009-10.

Unusable Surface Flow

The water from the San Gabriel Valley which leaves Montebello Forebay as surface flow is called Unusable Surface Flow and is determined in accordance with Exhibit B of the Judgment. Surface outflow from the Montebello Forebay is accounted for in the Rio Hondo at Stewart and Gray Road, Station F45B-R, and in the San Gabriel River at Florence Avenue, Station F262C-R. This surface outflow may be comprised of water from the San Gabriel Valley and local storm water which enters the channels downstream of Whittier Narrows.

As determined by the Watermaster, measured surface outflow from the Montebello

included 551 acre-feet of Recycled Water which was previously deducted from Lower Area Replenishment Water.

The total Unusable Surface Flow passing through the Montebello Forebay in the Rio Hondo and San Gabriel River in the water year 2009-10 was 15,476 acre-feet.

Determination of Usable Water

Usable Water under the terms of the Judgment is defined as the sum of Surface Flow, Subsurface Flow and Credited Export to Lower Area less the sum of Lower Area Replenishment Water, Recycled Water, Make-up Water by Surface Flow Delivery and Unusable Surface Flow. Table 6 presents the determination of Usable Water for the water year 2009-10.

Quality of Water

The Judgment (Exhibit B, Section IV.E) provides that the Watermaster gather readily available data from public and private agencies relating to the quality of water. During the water year, quality data were obtained from the County Sanitation Districts, the County and the Metropolitan Water District of Southern California. Ground water quality data were also obtained from programs of the Main San Gabriel Basin Watermaster, Central Basin Municipal Water District, and Water Replenishment District of Southern California. In the last few years increasing concern has developed over the trace constituents found in drinking water. Table 7 includes these constituents for illustrating both the quality of different sources of water supply and the increasing number of regulated constituents. Shown in Figures 3, 4 and 5 are graphical trends of salinity, hardness and nitrogen of the sources of imported and Recycled Water for replenishment in the San Gabriel River System.

TABLE 7 (CONT'D)

**WATER QUALITY ANALYSES REPRESENTATIVE OF SOURCES
OF WATER PASSING THROUGH WHITTIER NARROWS
WATER YEAR 2009-10 (a)**

CATEGORY	DRINKING WATER STANDARDS	IMPORTED WATER		RECLAIMED WATER				RUNOFF WATER	
		UNTREATED STATE PROJECT WATER (b)	UNTREATED COLORADO RIVER WATER (c)	WHITTIER NARROWS PLANT	SAN JOSE CREEK PLANT (E)	SAN JOSE CREEK PLANT STAGE III (W)	POMONA PLANT	STORM FLOW (d)	SUBSURFACE FLOW (e)
DATE		January-10	January-10	April-10	April-10	April-10	April-10	December-09	December-09
PURGEABLE ORGANICS									
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	NA	ND
Chloroform	80 (f)	NA	NA	24	20	23	10	NA	ND
Bromodichloromethane	80 (f)	NA	NA	15	14	12	4	NA	ND
Dibromochloromethane	80 (f)	NA	NA	4	5	3	1	NA	ND
Bromoform	80 (f)	NA	NA	ND	ND	ND	ND	NA	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	NA	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	NA	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	NA	ND
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	ND	NA	ND
1,1,2-Trichloroethane	5	ND	ND	ND	ND	ND	ND	NA	ND
1,1-Dichloroethylene	6	ND	ND	ND	ND	ND	ND	NA	ND
Trichloroethylene	5	ND	ND	ND	ND	ND	ND	NA	ND
Tetrachloroethylene	5	ND	ND	ND	ND	ND	ND	NA	1.5
Methyl Tertiary-Butyl Ether	13	NA	NA	NA	NA	NA	NA	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	NA	ND
Toluene	100	ND	ND	ND	ND	ND	ND	NA	ND
Chlorobenzene	30	ND	ND	ND	ND	ND	ND	NA	ND
O-Dichlorobenzene	130 (g)	ND	ND	ND	ND	ND	ND	ND	ND
M-Dichlorobenzene	130 (g)	ND	ND	NA	NA	NA	NA	ND	ND
P-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethylene	6	ND	ND	ND	ND	ND	ND	NA	ND
Trans-1,2-Dichloroethylene	10	ND	ND	ND	ND	ND	ND	NA	ND
Bromomethane		ND	ND	ND	ND	ND	ND	NA	ND
Chloroethane		ND	ND	ND	ND	ND	ND	NA	ND
2-Chloroethylvinylether		NA	NA	ND	ND	ND	ND	ND	ND
Chloromethane		ND	ND	ND	ND	ND	ND	NA	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	NA	ND
Cis-1,3-Dichloropropene	0.5(h)	ND	ND	ND	ND	ND	ND	NA	ND
Trans-1,3-Dichloropropene	0.5(h)	ND	ND	ND	ND	ND	ND	NA	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	NA	ND
Vinyl Chloride	0.5	ND	ND	ND	ND	ND	ND	NA	ND
NON-PURGEABLE ORGANICS (i)									
Bis(2-ethylhexyl)phthalate	4	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol		NA	NA	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol		NA	NA	ND	ND	ND	ND	NA	ND
2,3,4-Trichlorophenol		NA	NA	ND	ND	ND	ND	NA	ND
2,3,6-Trichlorophenol		NA	NA	ND	ND	ND	ND	NA	ND
3,4,5-Trichlorophenol		NA	NA	ND	ND	ND	ND	NA	ND
Pentachlorophenol	1	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene		NA	NA	ND	ND	ND	ND	ND	ND
Fluoranthene		NA	NA	ND	ND	ND	ND	ND	ND
Atrazine	1	ND	ND	ND	ND	ND	ND	ND	ND
Simazine	4	ND	ND	ND	ND	ND	ND	ND	0.065
Phenylacetic Acid		NA	NA	ND	ND	ND	ND	NA	ND
Phenol	1	NA	NA	1.1	1.4	ND	ND	ND	ND
CHLORINATED HYDROCARBONS (i)									
DDT		ND	ND	ND	ND	ND	ND	ND	NA
BHC	0.3-0.7	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	0.2	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.01	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.05	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.05	ND	ND	ND	ND	ND	ND	ND	ND

(a) All constituents in ug/l unless noted. ND = None Detected. NA = Not Analyzed.

(b) Sampled at Lake Silverwood.

(c) Sampled at Lake Mathews.

(d) At San Gabriel River Parkway.

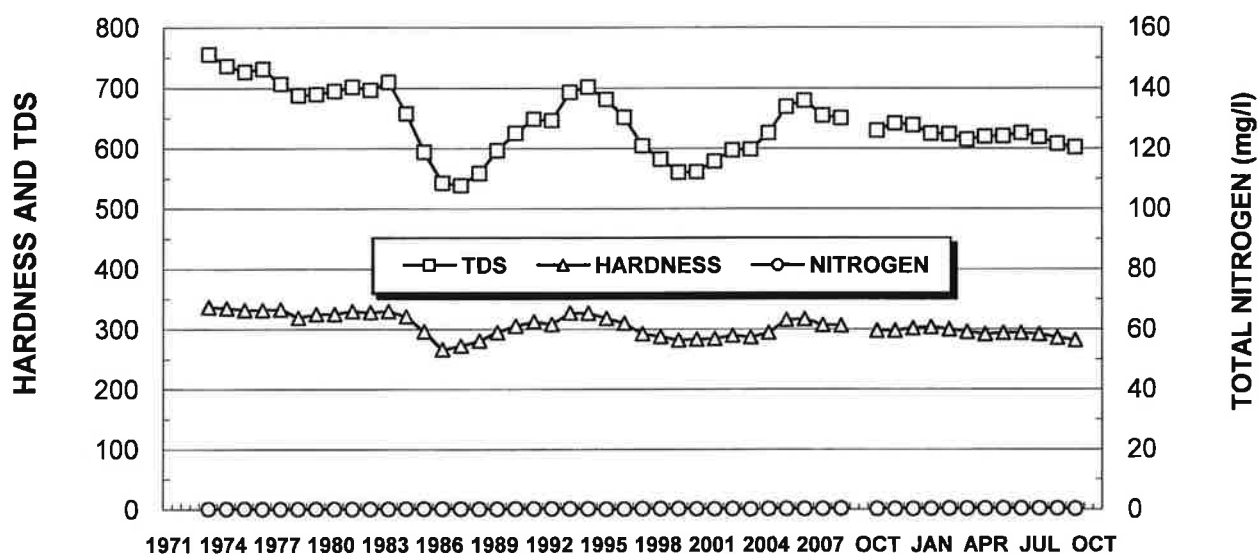
(e) From Well 2947LM.

(f) Notification Level. Total Trihalomethanes is not to exceed 80 ug/l.

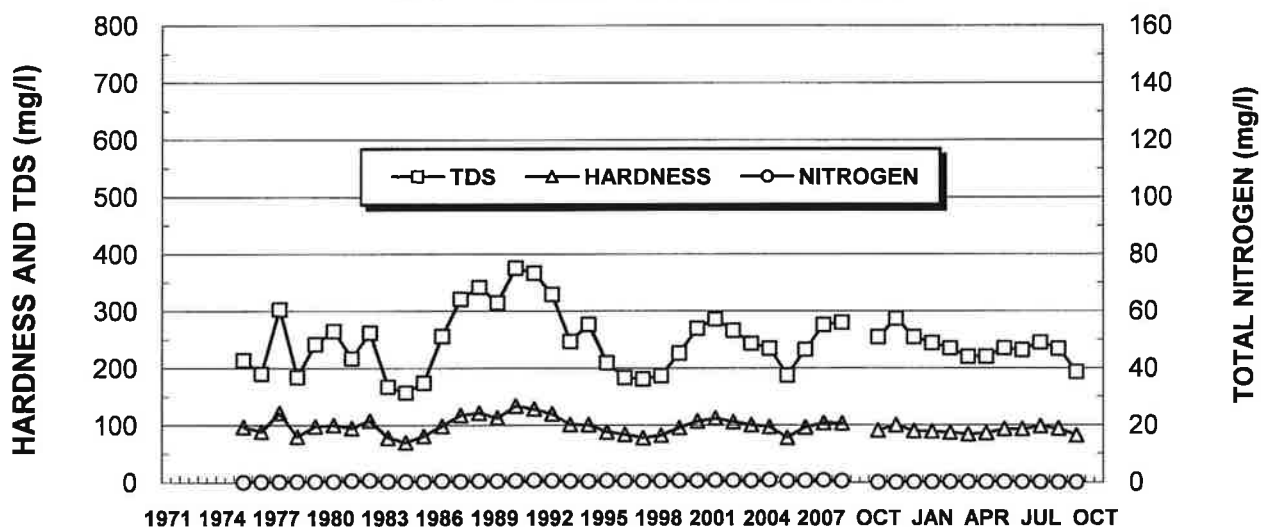
(g) Notification Level. Sum not to exceed 130.0 ug/l.

(h) Sum not to exceed 0.5 ug/l.

UNTREATED COLORADO RIVER



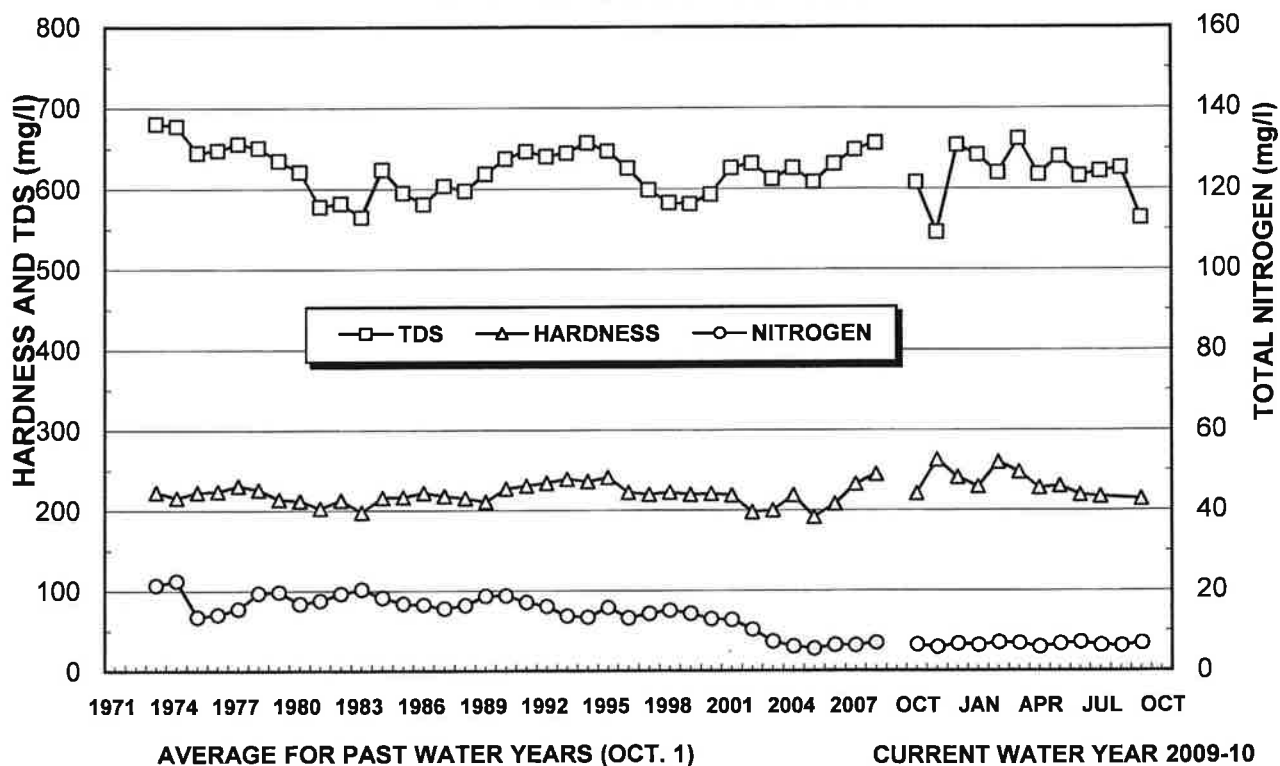
STATE WATER PROJECT EAST BRANCH - SILVERWOOD LAKE



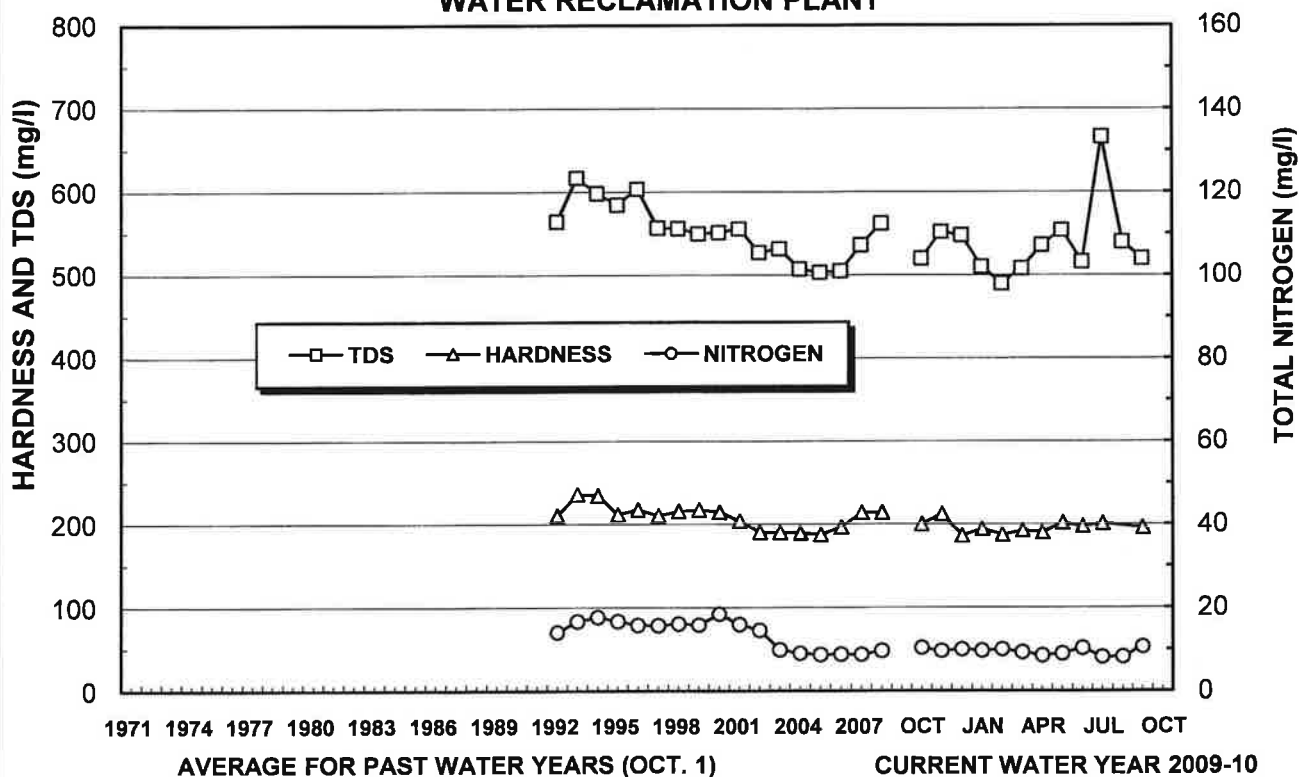
SELECTED WATER QUALITY PARAMETERS OF RECLAIMED WATER

FIGURE 3

SAN JOSE CREEK WATER RECLAMATION PLANT

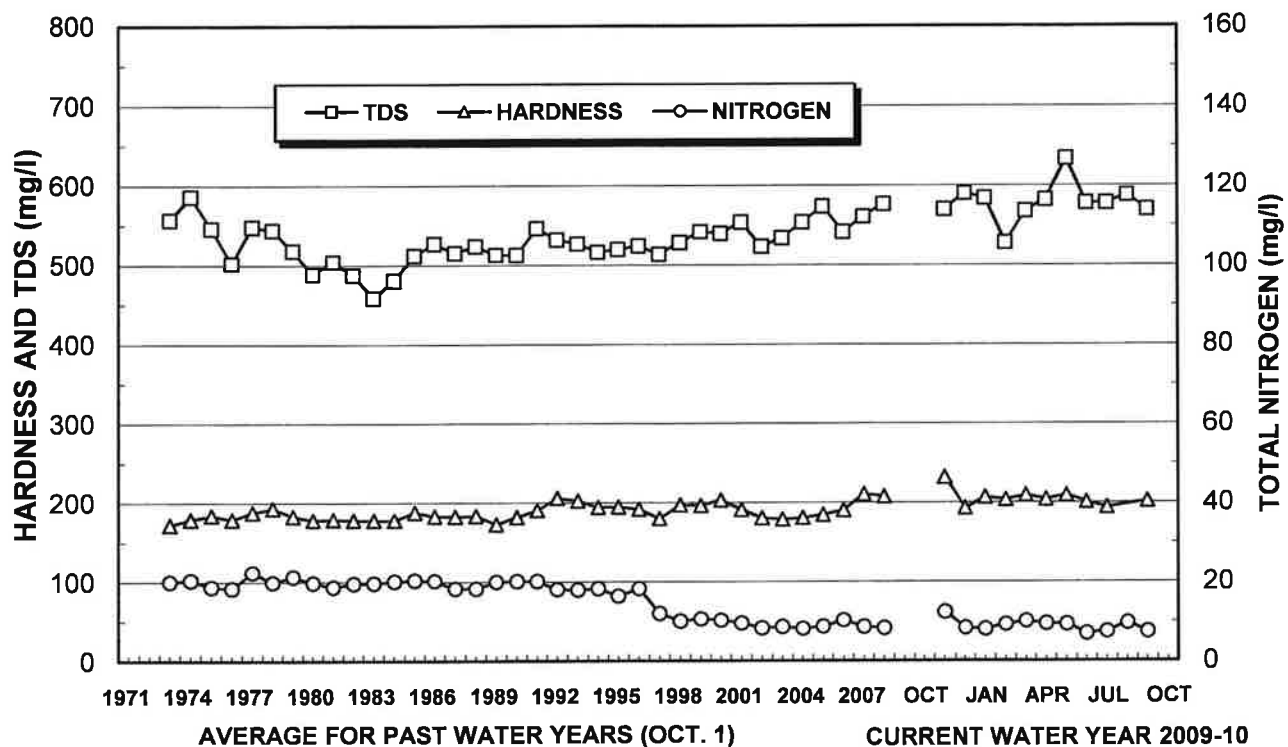


SAN JOSE CREEK III WATER RECLAMATION PLANT

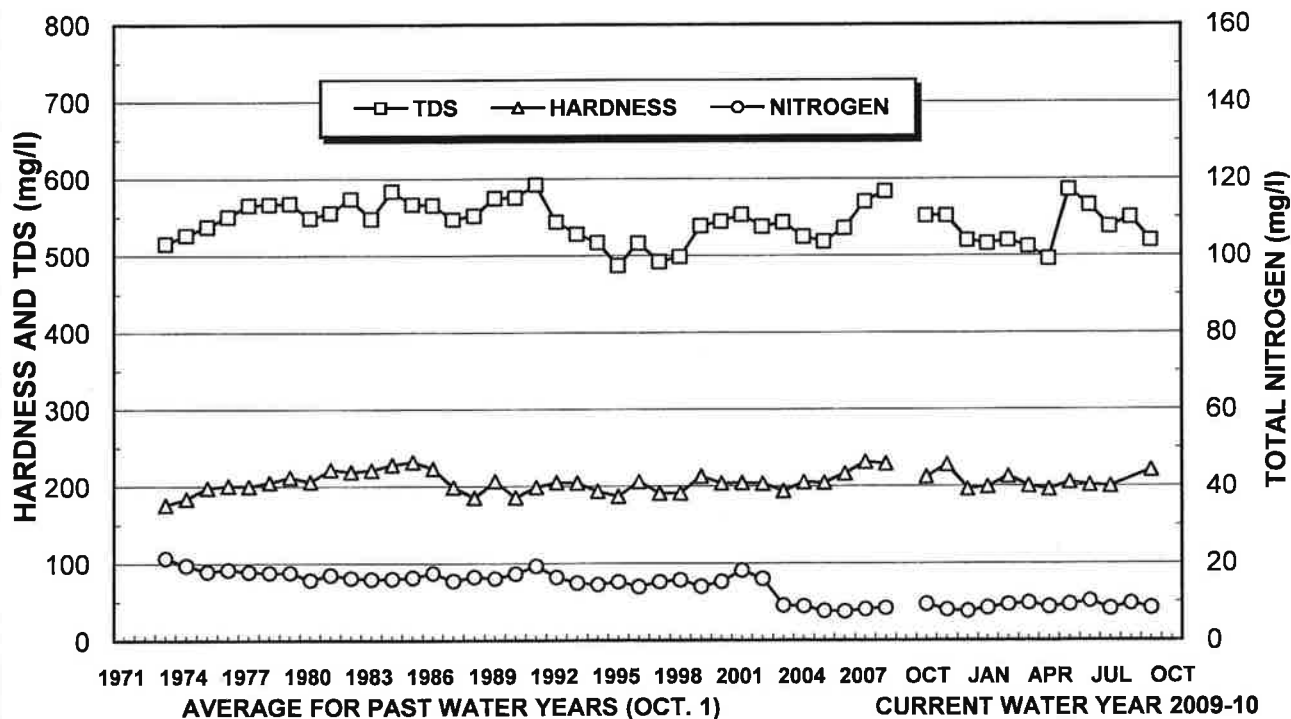


SELECTED WATER QUALITY PARAMETERS OF RECLAIMED WATER

WHITTIER NARROWS WATER RECLAMATION PLANT



POMONA WATER RECLAMATION PLANT



SELECTED WATER QUALITY PARAMETERS OF RECLAIMED WATER

CHAPTER IV. ANNUAL ACCOUNTING AND MAKE-UP WATER REQUIREMENTS

Under the terms of the Judgment, the Watermaster is required to annually determine the Accrued Debit or Credit of the Upper Area and the obligations, if any, of the Upper Area to deliver Make-up Water during the ensuing water year.

Delivery of Make-up Water During 2009-10

Because of the existence of an Accrued Credit at the end of 2008-09, the Upper Area made no Make-up Water delivery to the Lower Area during the water year 2009-10.

Accrued Credit as of September 30, 2010

The Lower Area Annual Entitlement as heretofore determined for the water year 2009-10 was 88,700 acre-feet. The Usable Water received was 84,054 acre-feet, which resulted in a debit to the Upper Area for the water year of 4,646 acre-feet. In addition, the Upper Area had an Accrued Credit as of September 30, 2009, from the Third Long-term Accounting Period of 144,550 acre-feet. Thus the total Accrued Credit of the Upper Area as of September 30, 2010 is 139,904 acre-feet.

Requirement for Make-up Water Delivery in 2010-11

Because of the existence of an Accrued Credit on September 30, 2010, the Upper Area is under no obligation to deliver Make-up Water to the Lower Area during water year 2010-11.

Summary

Table 8 presents a summary of the findings of the Watermaster for the water year 2009-10.

CHAPTER V. LONG-TERM ACCOUNTING

Long-term Accounting is required by paragraph 5(h) of the Judgment. The Third Long-term Accounting Period was for the 15 water years from 1993-94 through 2008-09. The Long-term Accounting Periods are discussed in this Chapter and are shown in Table 9.

The Watermaster is required from time to time, but not sooner than 15 years nor more than 25 years after September 30, 1963 and after the close of each Long-term Accounting period, thereafter, to make a Long-term Accounting of the aggregate amount of Usable Water and Make-up Water received by the Lower Area. A Long-term Accounting is to be made sooner than 25 years if the average annual rainfall for a period of 15 or more years is at least 18 inches but not more than 19 inches.

The quantity of Usable Water and Make-up Water received during a Long-term Accounting period is compared to a quantity based upon the annual entitlement (98,415 acre-feet) multiplied by the number of years in the period and then adjusted by the ratio of the average annual rainfall for that period to the long-term average annual rainfall (18.52 inches). The difference in the amount of water received and the total annual entitlements is carried forward as either a credit or debit of the Upper Area. A summary of the annual amount received for each year of each Long-term Accounting is shown in the Appendix to this report.

First Long-term Accounting Period

As reported in the Sixteenth Annual Report, the First Long-term Accounting under the Judgment occurred as of September 30, 1979 for the period of 16 water years 1963-64 through 1978-79. The rainfall for the period averaged 18.16 inches resulting in a total entitlement of 1,544,031 acre-feet for the 16-year period. The amount of Usable Water and Make-up Water received was 1,376,090 acre-feet resulting in a Long-term Accounting Debit of 167,941 acre-feet. The annual summary for each year of the First Long-term Accounting Period is in the Appendix in Table 12.

Make-up Water Deliveries

The Judgment provides that the debit under Long-term Accounting be made up over a three-year period. Representatives of the Upper Area and Lower Area agreed that Make-up Water for the first Long-term Accounting Period could be delivered over a five-year period, requiring not less than one-fifth be delivered each year. Use of annual credit for Recycled Water, however, was limited to the first three years of the repayment period.

During the five years 1979-80 through 1983-84, the Upper Area delivered 167,941 acre-feet of Make-up Water to the Lower Area to satisfy the First Long-term Accounting. Thus, the Make-up Water delivery for the First Long-term Accounting Period was fully satisfied. A detailed description of the deliveries is contained in the Twenty-Second Annual Report.

Second Long-term Accounting Period

As reported in the Thirty-first Annual Report, the Second Long-term Accounting under the Judgment occurred as of September 30, 1994 for the period of 15 water years 1979-80 through 1993-94. The rainfall for the period averaged 18.89 inches resulting in a total entitlement of 1,505,718 acre-feet for the 15-year period. The amount of Usable Water and Make-up Water received was 1,631,156 acre-feet resulting in a Long-term Accounting Credit of 125,438 acre-feet to be carried over to the Third Long-term Accounting Period. An annual summary for the Second Long-term Accounting Period is in the Appendix in Table 13.

Make-up Water Deliveries

A Long-term Accounting Credit of 125,438 acre-feet existed at the end of the Second Long-term Accounting Period. Therefore, no Make-up Water delivery for the Second Long-term Accounting was made.

Third Long-term Accounting Period

As reported in the Forty-sixth Annual Report, the Third Long-term Accounting under the Judgment occurred as of September 30, 2009 for the period of 15 water years 1994-95 through 2008-09. The rainfall for the period averaged 18.29 inches resulting in a total

TABLE 10
SUMMARY OF ANNUAL OPERATIONS
UNDER JUDGMENT DURING
FOURTH LONG-TERM ACCOUNTING PERIOD

(In Acre-Feet)								
Water Year	Rainfall in Inches		Entitlement	Water Received by Lower Area			Annual Credit (+) or Debit (-)	Accrued Credit (+) or Debit (-)
	Amount	10-year Average		Usable	Make-Up ^(a)	Total		
2008-09			---					
2009-10	20.23	17.2	88,700	84,054	0	84,054	-4,646	+144,550 ^(a)
Totals			88,700	84,054	0	84,054		+139,904

^(a) Carryover of credit from Third Long-term Accounting Period.

TABLE 11
DATA FOR FOURTH
LONG-TERM ACCOUNTING PERIOD

Number of Years	Water Year	Rainfall in Inches		Water Received by Lower Area in Acre-Feet			Long-Term Accounting Formula ^(b) in Acre-Feet
		Amount	Accumulated Average Annual Amount	Usable	Make-Up	Accumulated Total	
0	2008-09	---	---	---	---	144,550 ^(a)	-----
1	2009-10	20.23	20.23	84,054	0	84,054	107,502

(a) Carryover of credit from Third Long-term Accounting Period.

(b) The figures shown are for informational purposes only. The Fourth Long-term Accounting will be determined in accordance with paragraph 5(h) of the Judgment.

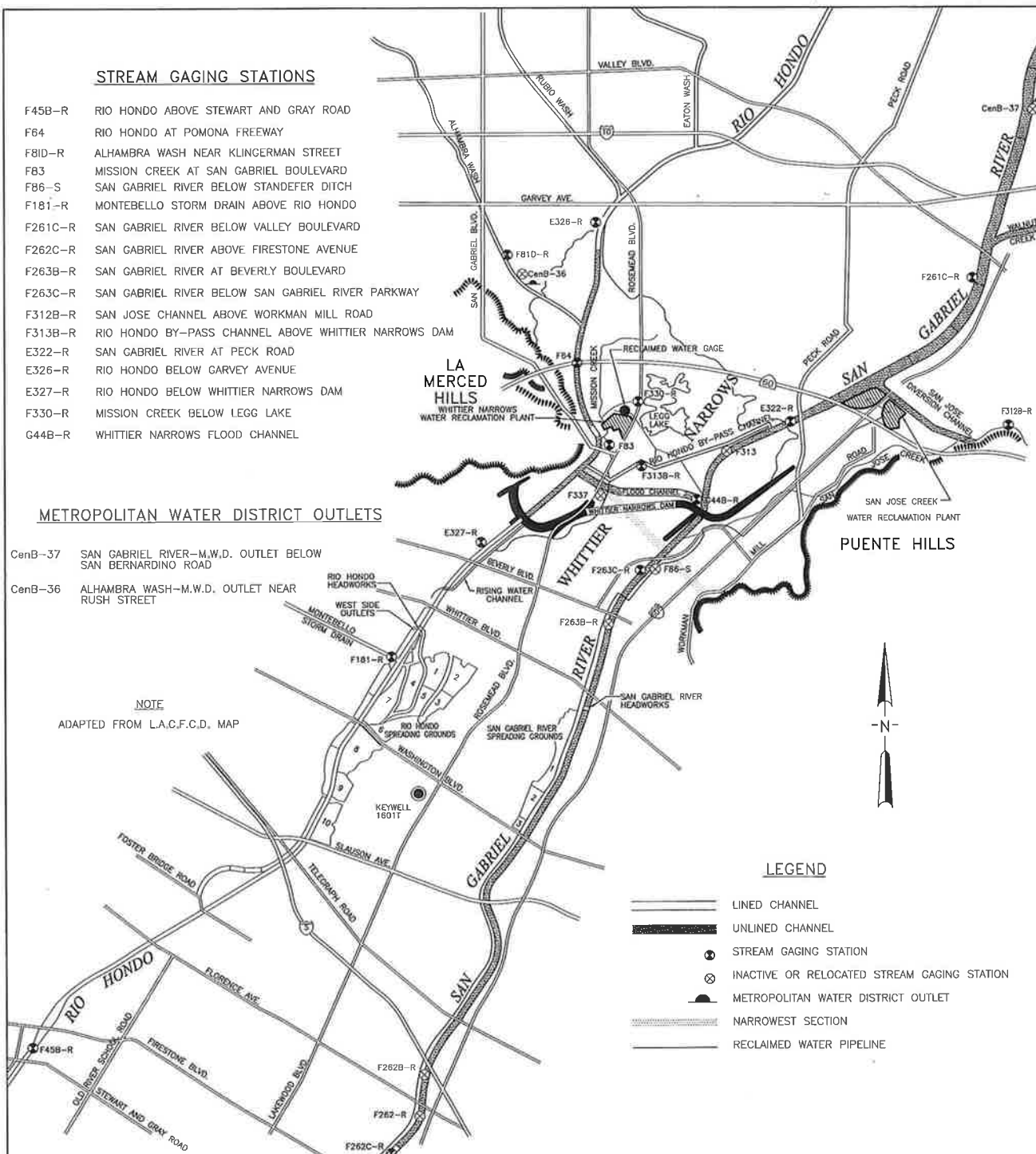
STREAM GAGING STATIONS

F45B-R	RIO HONDO ABOVE STEWART AND GRAY ROAD
F64	RIO HONDO AT POMONA FREEWAY
F81D-R	ALHAMBRA WASH NEAR KLINGERMANN STREET
F83	MISSION CREEK AT SAN GABRIEL BOULEVARD
F86-S	SAN GABRIEL RIVER BELOW STANDEFER DITCH
F181-R	MONTEBELLO STORM DRAIN ABOVE RIO HONDO
F261C-R	SAN GABRIEL RIVER BELOW VALLEY BOULEVARD
F262C-R	SAN GABRIEL RIVER ABOVE FIRESTONE AVENUE
F263B-R	SAN GABRIEL RIVER AT BEVERLY BOULEVARD
F263C-R	SAN GABRIEL RIVER BELOW SAN GABRIEL RIVER PARKWAY
F312B-R	SAN JOSE CHANNEL ABOVE WORKMAN MILL ROAD
F313B-R	RIO HONDO BY-PASS CHANNEL ABOVE WHITTIER NARROWS DAM
E322-R	SAN GABRIEL RIVER AT PECK ROAD
E326-R	RIO HONDO BELOW GARVEY AVENUE
E327-R	RIO HONDO BELOW WHITTIER NARROWS DAM
F330-R	MISSION CREEK BELOW LEGG LAKE
G44B-R	WHITTIER NARROWS FLOOD CHANNEL

METROPOLITAN WATER DISTRICT OUTLETS

CenB-37	SAN GABRIEL RIVER-M.W.D. OUTLET BELOW SAN BERNARDINO ROAD
CenB-36	ALHAMBRA WASH-M.W.D. OUTLET NEAR RUSH STREET

NOTE
ADAPTED FROM L.A.C.F.C.D. MAP

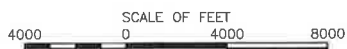


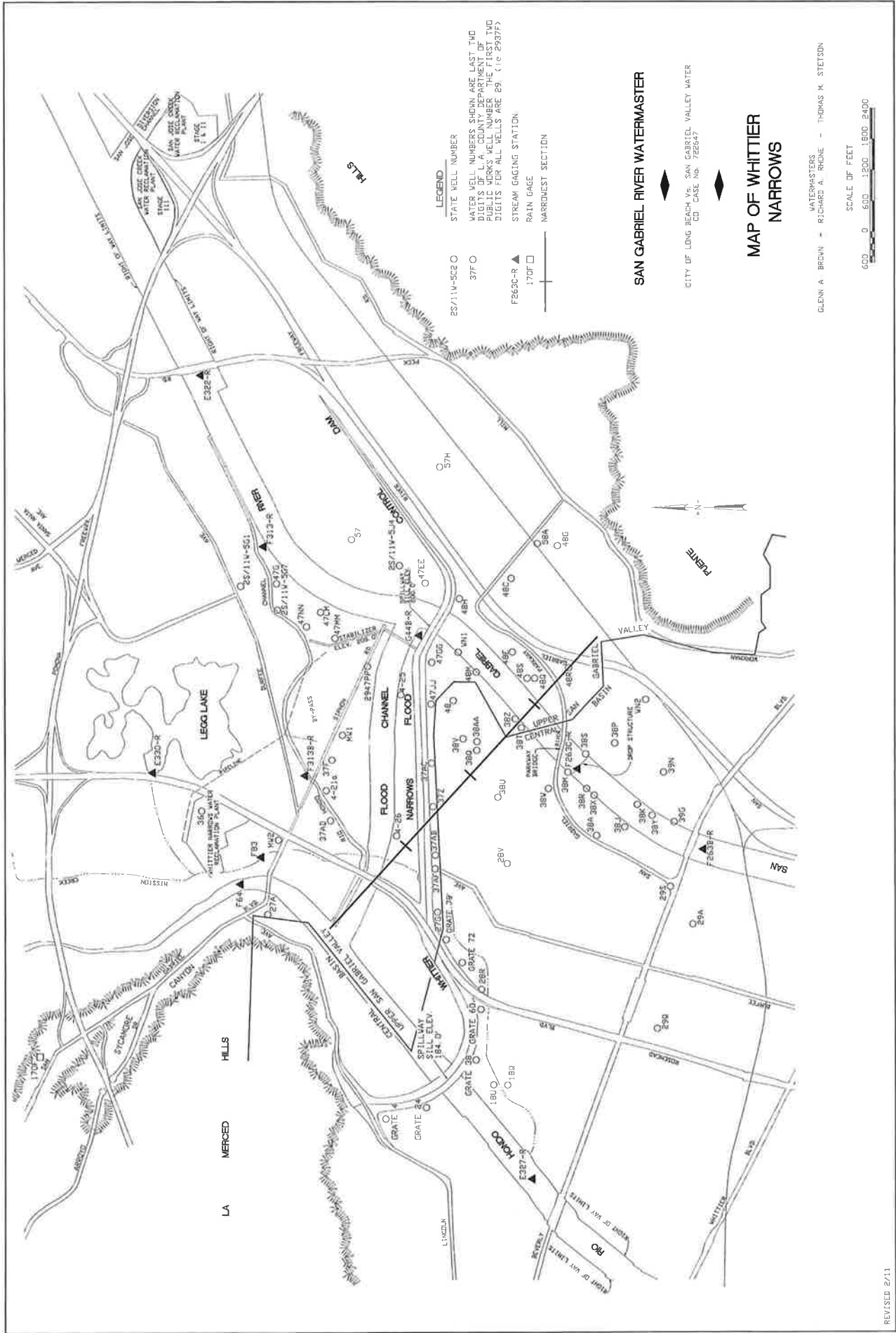
SAN GABRIEL RIVER WATERMASTER

CITY OF LONG BEACH Vs. SAN GABRIEL VALLEY WATER CO.
CASE No. 722647

STREAM GAGING STATIONS RIO HONDO-SAN GABRIEL RIVER SYSTEM

WATERMASTERS
GLENN A. BROWN-RICHARD A. RHONE-THOMAS M. STETSON





APPENDIX

**PARTIES TO JUDGMENT
CITY OF LONG BEACH, ET AL, VS.
SAN GABRIEL VALLEY WATER CO., ET AL,
CASE NO. 722647 - LOS ANGELES COUNTY**

Court - Clerk of Superior Court (Case No. 722647)

Plaintiffs

Board of Water Commissioners of the City of Long Beach
Central Basin Municipal Water District
City of Compton

Defendants

San Gabriel Valley Water Company
(includes, by merger, Vallecito Water Company)
Azusa Agricultural Water Company
Azusa Valley Water Company
California-American Water Company
(successor to California Water and Telephone Company)
Covina Irrigating Company
East Pasadena Water Company, Ltd.
Glendora Irrigating Company (now City of Glendora)
Golden State Water Company (formerly known as Southern California
Water Company)
Suburban Water Systems
Sunny Slope Water Company
City of Alhambra
City of Arcadia
City of Azusa
City of Covina
City of El Monte
City of Glendora
City of Industry (successor to Cross Water Company)
City of Monrovia
City of Monterey Park
City of South Pasadena
San Gabriel County Water District
Valley County Water District
(formerly known as Baldwin Park County Water District)

Intervenors

Upper San Gabriel Valley Municipal Water District
California Domestic Water Company

DILLON & AVEDISSIAN/ACCOUNTANCY CORPORATION

CERTIFIED PUBLIC ACCOUNTANTS

141 E. WALNUT ST. SUITE 200
PASADENA, CA 91103

TEL (626) 577-8885

FAX (626) 577-8889

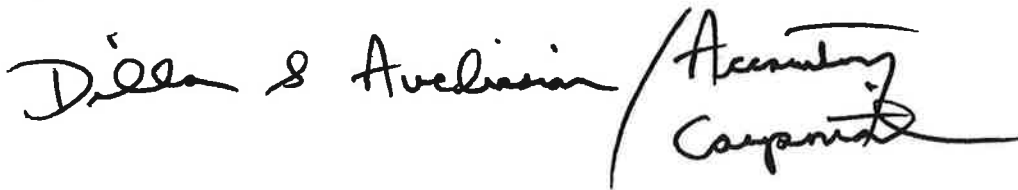
INDEPENDENT AUDITORS' REPORT

San Gabriel River Watermaster
101 North Brand Boulevard, Suite 1780
Glendale, California 91203

We have audited the accompanying statement of Income and Expenditures for the San Gabriel Watermasters for the water year ended 2009-2010. This financial statement is the responsibility of management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted the audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the statement of income and expenditures. 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 statement of income and expenditures referred to above presents fairly, in all material respects, the results of operations of San Gabriel River Watermaster for the water year ended 2009-2010 in conformity with accounting principles generally accepted in the United States of America.

A handwritten signature in black ink that reads "Dillon & Avedissian / Accountancy Corporation". The signature is written in a cursive, flowing style.

Pasadena, California

January 12, 2011

TABLE 12

**SUMMARY OF ANNUAL FINDINGS FOR
FIRST LONG-TERM ACCOUNTING PERIOD**

Water Year	Rainfall		Lower Area Annual Entitlement	Usable Water				Unusable Water				Total Flow Through Whittier Narrows	Unusable Water			Usable Water Received	Credit for Water Year	Accrued Credit (Debit)	Annual Make-up Water	
	Annual	Accumulated Average		Surface Inflow	Subsurface Inflow	Credit for Exported Water	Lower Area Replenishment Water	Make-up Surface Flow	Reclaimed Water	Unusable Surface Flow	Payment for Reclaimed Water		Surface Flow Delivery							
1963-64	9.45	9.45	67,200	112,679	21,000	29,024	162,703	104,842	13,258	0	3,628	40,975	(26,223)	(26,223)						
1964-65	15.24	12.34	68,000	171,597	18,800	30,139	220,536	160,027	14,528	0	11,240	34,741	(33,259)	(33,259)						
1965-66	19.61	14.77	70,300	292,587	17,000	32,506	282,093	121,534	15,056	6,489	67,742	71,272	972	972				27,785	6,489	
1966-67	25.03	17.33	78,700	176,672	17,500	23,395	217,567	84,156	16,224	0	36,534	80,653	1,953	1,953				14,735	0	
1967-68	15.03	16.87	67,200	151,465	20,700	23,395	195,560	95,165	21,667	0	17,000	61,728	(5,472)	(5,597)				7,425	0	
1968-69	30.50	19.14	84,000	637,344	24,400	23,395	685,139	17,748	17,137	0	488,033	162,228	78,228	78,228				5,597	0	
1969-70	11.06	17.99	84,000	145,238	23,900	23,395	192,533	68,440	22,252	0	15,080	86,761	2,761	80,989				0	0	
1970-71	13.27	17.40	90,200	137,462	22,900	23,395	183,757	71,815	23,754	0	16,266	71,922	(18,278)	62,711				0	0	
1971-72	8.53	16.41	79,500	71,510	24,000	23,395	118,905	34,355	21,821	0	8,860	53,869	(25,631)	37,080				0	0	
1972-73	22.36	17.01	87,100	174,352	25,900	23,395	223,647	91,614	26,341	0	27,217	78,475	(18,625)	28,455				0	0	
1973-74	16.80	16.99	92,500	149,642	26,600	23,395	199,637	91,749	24,811	0	25,708	57,369	(35,131)	(6,676)				0	0	
1974-75	14.88	16.82	92,500	112,783	25,600	23,395	161,778	71,359	24,511	0	7,129	58,779	(33,721)	(37,563)				2,834	0	
1975-76	12.07	16.45	87,100	86,015	27,800	23,395	137,210	50,530	23,561	0	4,432	58,687	(28,413)	(51,339)				14,637	0	
1976-77	14.47	16.31	78,700	73,493	31,700	23,395	128,588	16,239	23,520	14,507	4,206	70,116	(8,584)	(33,022)				12,394	14,507	
1977-78	38.37	17.78	96,200	504,355	30,900	23,395	558,650	39,677	20,930	7,864	396,315	153,864	57,664	42,664				10,158	7,864	
1978-79	23.87	18.16	—	175,654	27,400	23,395	226,449	65,006	25,696	0	25,521	110,226	—	—				0	0	
Total	290.56	—	1,544,031	3,112,848	386,100	395,804	3,894,752	1,184,256	335,060	28,860	1,094,911	1,251,665	—	(167,941)				95,565	28,860	

TABLE 13

SUMMARY OF ANNUAL FINDINGS FOR
SECOND LONG-TERM ACCOUNTING PERIOD

Water Year	Rainfall		Lower Area Annual Entitlement	Usable Water			Total Flow Through Whittier Narrows	Unusable Water			Usable Water Received	Credit for Water Year	Accrued Credit (Debit)	Long-term Make-up Water		Annual Make-up Water		
	Annual	Accumulated Average		Surface Inflow	Subsurface Inflow	Credit for Exported Water		Lower Area Replenishment Water	Reclaimed Water	Make-up Surface Flow				Unusable Surface Flow	Payment for Reclaimed Water	Payment	Surface Flow Delivery	Payment for Reclaimed Water
1979-80	34.85	34.85	107,600	489,851	25,300	23,395	10,196	26,652	10,843	357,680	137,175	29,575	29,575	10,716	0	10,843	0	
1980-81	10.31	22.58	105,700	133,686	27,400	23,395	184,541	28,836	31,241	6,822	85,917	19,783	19,783	14,568	0	31,241	0	
1981-82	18.88	21.35	111,900	124,268	29,900	23,395	177,555	4,595	31,151	16,278	94,823	17,077	17,285	11,464	0	30,716	0	
1982-83	39.26	25.83	122,200	383,173	29,100	23,395	432,668	1,896	19,317	9,921	220,520	185,014	62,814	62,814	0	15,883	7,285	
1983-84	10.56	22.77	118,600	123,719	28,200	23,395	175,314	1,478	30,068	33,588	10,454	99,725	18,875	43,939	0	33,588	0	
1984-85	14.58	21.41	118,100	115,270	28,600	23,395	167,265	40,433	29,009	0	6,858	90,965	27,135	16,804	0	0	0	
1985-86	21.96	21.48	123,900	140,444	30,500	23,395	194,339	21,383	26,827	0	26,672	119,457	14,443	12,361	0	0	0	
1986-87	9.06	19.93	121,000	105,151	31,900	23,395	160,448	55,375	36,618	0	5,261	63,192	57,808	46,447	0	0	0	
1987-88	14.88	19.37	106,300	105,413	33,200	23,395	162,006	33,919	5,712	7,900	85,251	21,049	46,049	0	0	14,735	5,712	
1988-89	11.15	18.55	98,800	126,234	33,000	23,395	182,679	49,953	50,907	6,455	5,034	70,280	28,520	53,379	0	0	14,735	6,455
1989-90	12.35	17.99	81,800	138,309	32,100	23,395	193,804	54,011	49,759	13,544	8,781	67,709	14,091	39,131	0	0	14,735	100
1990-91	15.12	17.75	85,600	155,247	26,200	23,395	204,842	55,939	53,257	100	19,974	75,572	10,028	34,394	0	0	14,735	0
1991-92	22.80	18.14	88,700	182,796	27,700	23,395	228,891	42,889	45,420	0	34,592	105,990	17,290	12,359	0	0	14,735	0
1992-93	35.94	19.41	86,400	617,930	21,600	23,395	662,925	16,781	43,442	0	446,108	156,594	70,194	70,194	0	0	2,359	0
1993-94	11.64	18.89	—	115,544	24,000	23,395	20,242	54,134	0	4,201	84,362	—	—	0	0	0	0	0
Total	283.34	—	1,505,718	3,061,035	423,700	350,925	3,835,660	565,316	141,121	1,177,135	1,522,026	—	—	36,748	15,883	115,310	83,319	25,811

TABLE 14

**SUMMARY OF ANNUAL FINDINGS FOR
THIRD LONG-TERM ACCOUNTING PERIOD**

Water Year	Rainfall		Lower Area Annual Entitlement	Usable Water		Total Flow Through Whittier Narrows	Unusable Water			Usable Water Received	Credit for Water Year	Accrued Credit (Debit)	Annual Make-up Water	
	Annual	Accumulated Average		Surface Inflow	Subsurface Inflow		Lower Area Replenishment Water	Make-up Surface Flow	Unusable Surface Flow				Payment for Reclaimed Water	Surface Flow Delivery
1994-95	30.44	30.44	98,300	283,784	25,300	23,395	21,710	30,995	0	139,671	140,103	167,241	0	0
1995-96	15.60	23.02	94,000	154,569	27,400	23,395	17,837	52,483	0	26,843	108,201	181,442	0	0
1996-97	17.49	21.18	99,500	144,423	28,100	23,395	22,551	48,560	0	17,772	107,035	188,977	0	0
1997-98	36.13	24.92	113,100	365,127	27,900	23,395	950	35,946	0	233,804	145,722	221,599	0	0
1998-99	8.63	21.66	111,300	80,604	27,000	23,395	0	47,228	0	1,653	82,118	192,417	0	0
1999-00	14.38	20.44	112,500	126,063	27,200	23,395	44,739	41,556	0	14,121	77,042	156,959	0	0
2000-01	15.50	19.74	112,500	117,972	27,900	23,395	23,328	44,817	0	15,537	85,585	130,044	0	0
2001-02	6.44	18.08	102,700	115,800	27,400	23,395	42,699	59,703	0	2,772	61,421	88,765	0	0
2002-03	19.36	18.22	91,500	142,787	24,000	23,395	22,298	41,761	0	34,031	92,092	89,357	0	0
2003-04	12.90	17.69	92,500	95,028	24,200	23,395	24,508	43,352	0	11,691	69,072	59,929	0	0
2004-05	45.32	20.20	102,700	617,636	21,600	23,395	24,250	28,475	0	439,536	170,370	127,599	0	0
2005-06	16.78	19.91	103,300	131,371	24,300	23,395	32,875	40,502	0	7,571	98,118	122,417	0	0
2006-07	4.94	18.76	94,800	96,291	26,400	23,395	39,970	43,623	0	369	62,118	89,735	0	0
2007-08	16.37	18.59	80,200	101,211	30,300	23,395	1,492	37,318	0	17,052	95,044	108,579	0	0
2008-09	14.00	18.29		68,027	31,300	23,395	0	36,229	0	1,530	84,963		0	0
Total	274.28		1,457,892	2,641,493	400,300	350,925	319,207	632,554	0	963,953	1,477,004	144,550	0	0