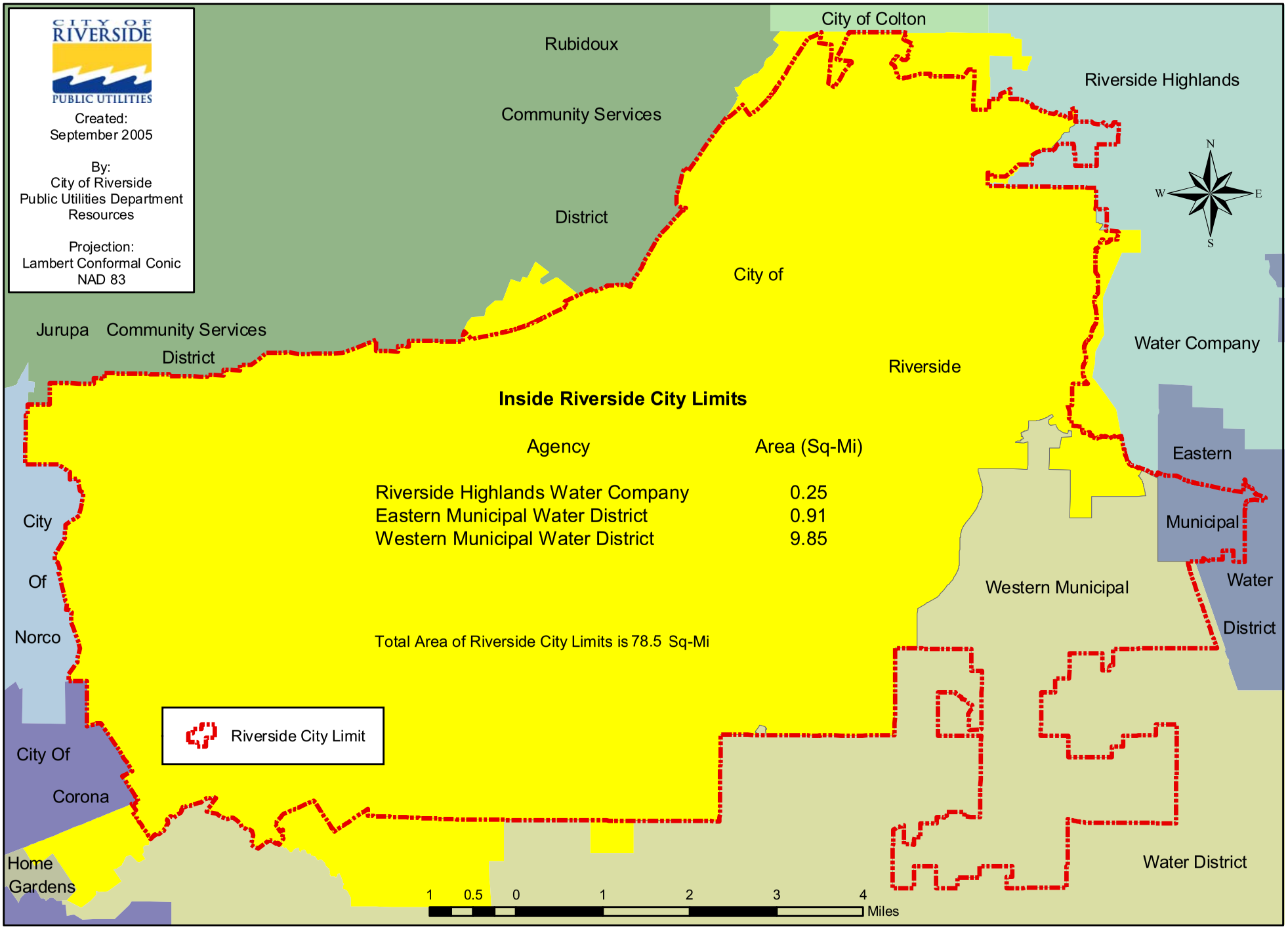
APPENDIX B.1

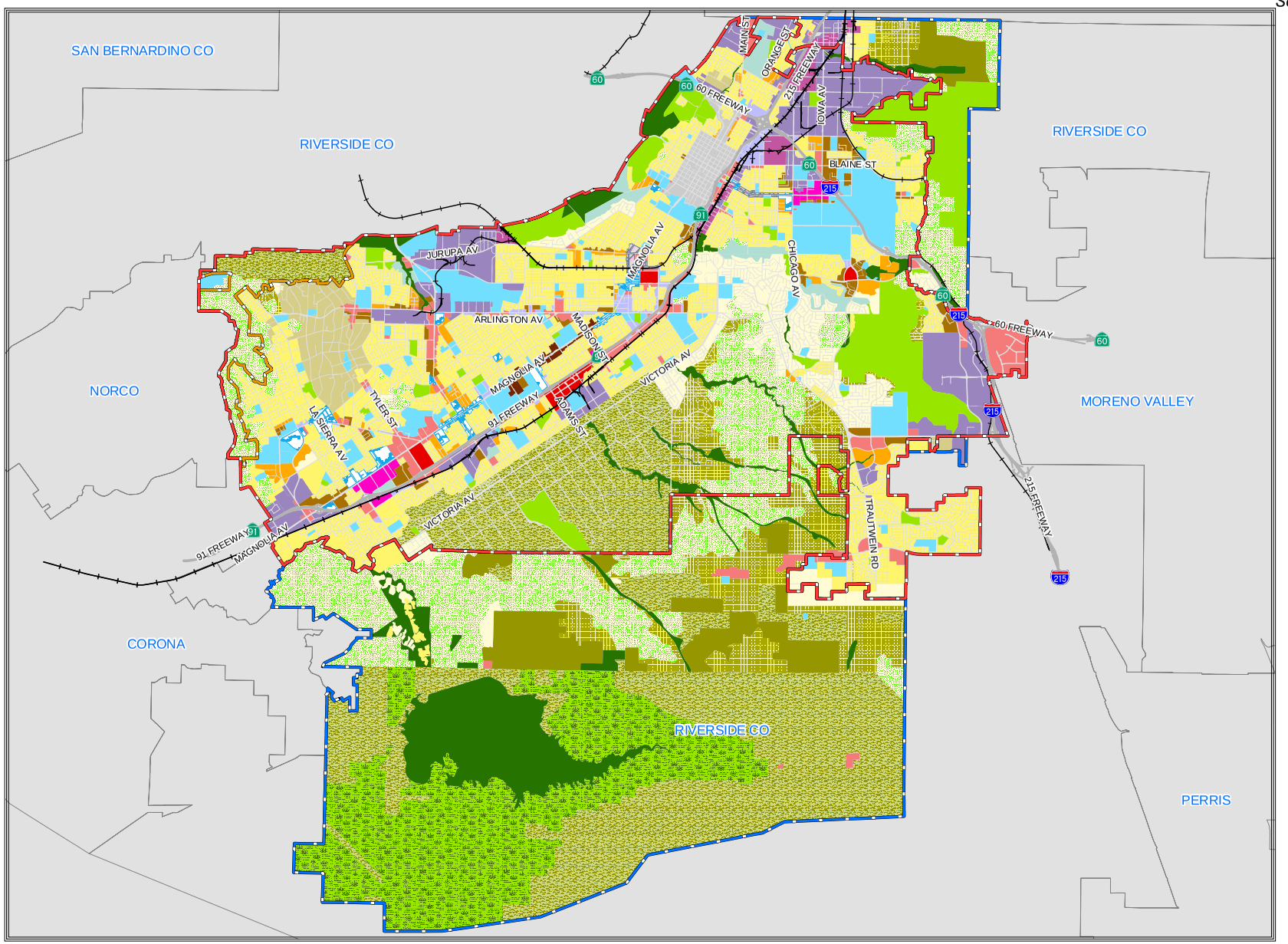
Water Service Areas Of Purveyors Within And Adjacent To City Of Riverside

Appendix B.1

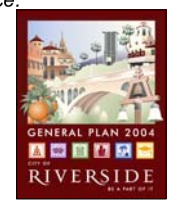

CITY OF RIVERSIDE
PUBLIC UTILITIES
Created:
September 2005
By:
City of Riverside
Public Utilities Department
Resources
Projection:
Lambert Conformal Conic
NAD 83
Rubidoux
Community Services
District
City of Colton
Riverside Highlands
Water Company
Jurupa Community Services
District
City of
Riverside
Inside Riverside City Limits
Agency
Area (Sq-Mi)
Riverside Highlands Water Company 0.25
Eastern Municipal Water District 0.91
Western Municipal Water District 9.85
Total Area of Riverside City Limits is 78.5 Sq-Mi
Eastern
Municipal
Water
District
Western Municipal
Water District
City
Of
Norco
City Of
Corona
Home
Gardens
Riverside City Limit
N
W
E
S
1 0.5 0 1 2 3 4
Miles

APPENDIX B.2

Land Use Policy Map General Plan 2025



Source:



Legend

- City Limits
- Sphere Limits
- Rancho La Sierra Specific Plan Overlay Boundary

General Plan 2025

Draft Landuse Element

- **A** - AGRICULTURAL (Max 0.20 FAR/acre; Avg 0.20 FAR/acre)
- **A/RR** - AGRICULTURAL/RURAL RESIDENTIAL (Max 0.20 du/acre; Avg 0.20 du/acre)
- **HR** - HILLSIDE RESIDENTIAL (Max 0.63 du/acre; Avg 0.50 du/acre)
- **SRR** - SEMI RURAL RESIDENTIAL (Max 2.3 du/acre; Avg 1.5 du/acre)
- **VLDR** - VERY LOW DENSITY RESIDENTIAL (Max 2.2 du/acre; Avg 1.5 du/acre)
- **LDR** - LOW DENSITY RESIDENTIAL (Max 4.5 du/acre; Avg 3 du/acre)
- **MDR** - MEDIUM DENSITY RESIDENTIAL (Max 6.8 du/acre; Avg 5.5 du/acre)
- **MHDR** - MEDIUM HIGH DENSITY RESIDENTIAL (Max 14.5 du/acre; Avg 12 du/acre)
- **HDR** - HIGH DENSITY RESIDENTIAL (Max 29 du/acre; Avg 20 du/acre)
- **VHDR** - VERY HIGH DENSITY RESIDENTIAL (Max 40 du/acre; Avg 30 du/acre)
- **C** - COMMERCIAL (Max 0.50 FAR/acre; Avg 0.30 FAR/acre)
- **CRC** - COMMERCIAL REGIONAL CENTER (Max 0.50 FAR/acre; Avg 0.25 FAR/acre)
- **DSP** - DOWNTOWN SPECIFIC PLAN (Various du and FAR/acre)
- **O** - OFFICE (Max. 1.0 FAR/acre; Avg 0.65 FAR/acre)
- **B/OP** - BUSINESS/OFFICE PARK (Max 1.50 FAR/acre; Avg 1.15 FAR/acre)
- **I** - INDUSTRIAL (Max 0.60 FAR/acre; Avg 0.40 FAR/acre)
- **MU-N** - MIXED USE-NEIGHBORHOOD (Max 10 du/acre, 1.0 FAR/acre; Avg Res- 5 du/acre, Comm- 0.35 FAR/acre)
- **MU-V** - MIXED USE-VILLAGE (Max 30/40* du/acre, 2.5 FAR/acre; Avg Res- 20 du/acre, Comm- 1.0 FAR/acre)
- **MU-U** - MIXED USE-URBAN (Max 40/60* du/acre, 4.0 FAR/acre; Avg Res- 30 du/acre, Comm- 2.0 FAR/acre)
- **PF** - PUBLIC FACILITIES/INSTITUTIONAL (Max 1.0 FAR/acre; Avg 0.20 FAR/acre)
- **PR** - PRIVATE RECREATION
- **P** - PUBLIC PARK
- **OS** - OPEN SPACE/NATURAL RESOURCES
- **RAT** - KANGAROO RAT HABITAT

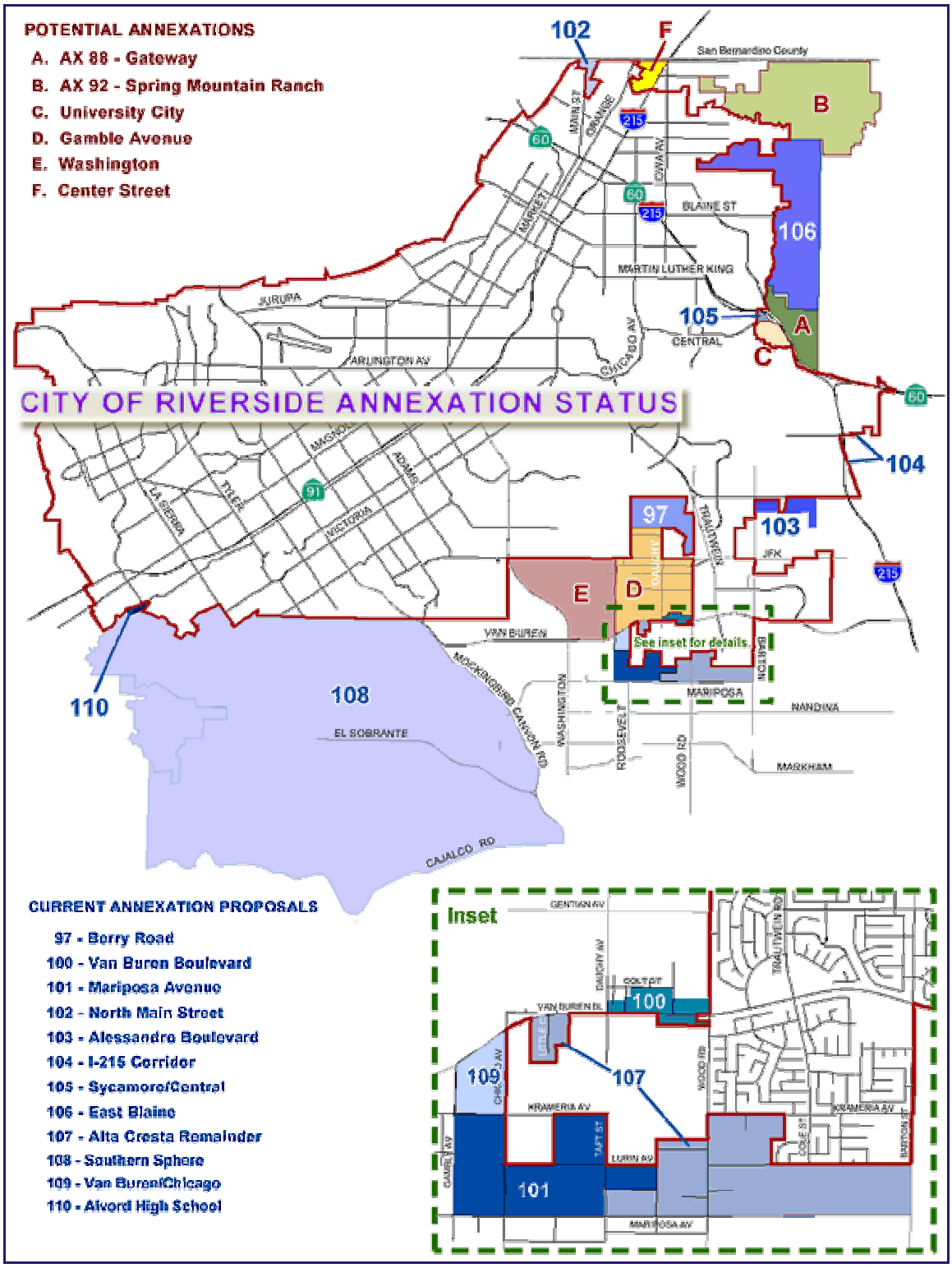
* See Table LU - 3 (Land Use Designations)

Appendix B.2 LAND USE POLICY MAP

APPENDIX B.3

Requested annexations to the City of Riverside, and their status

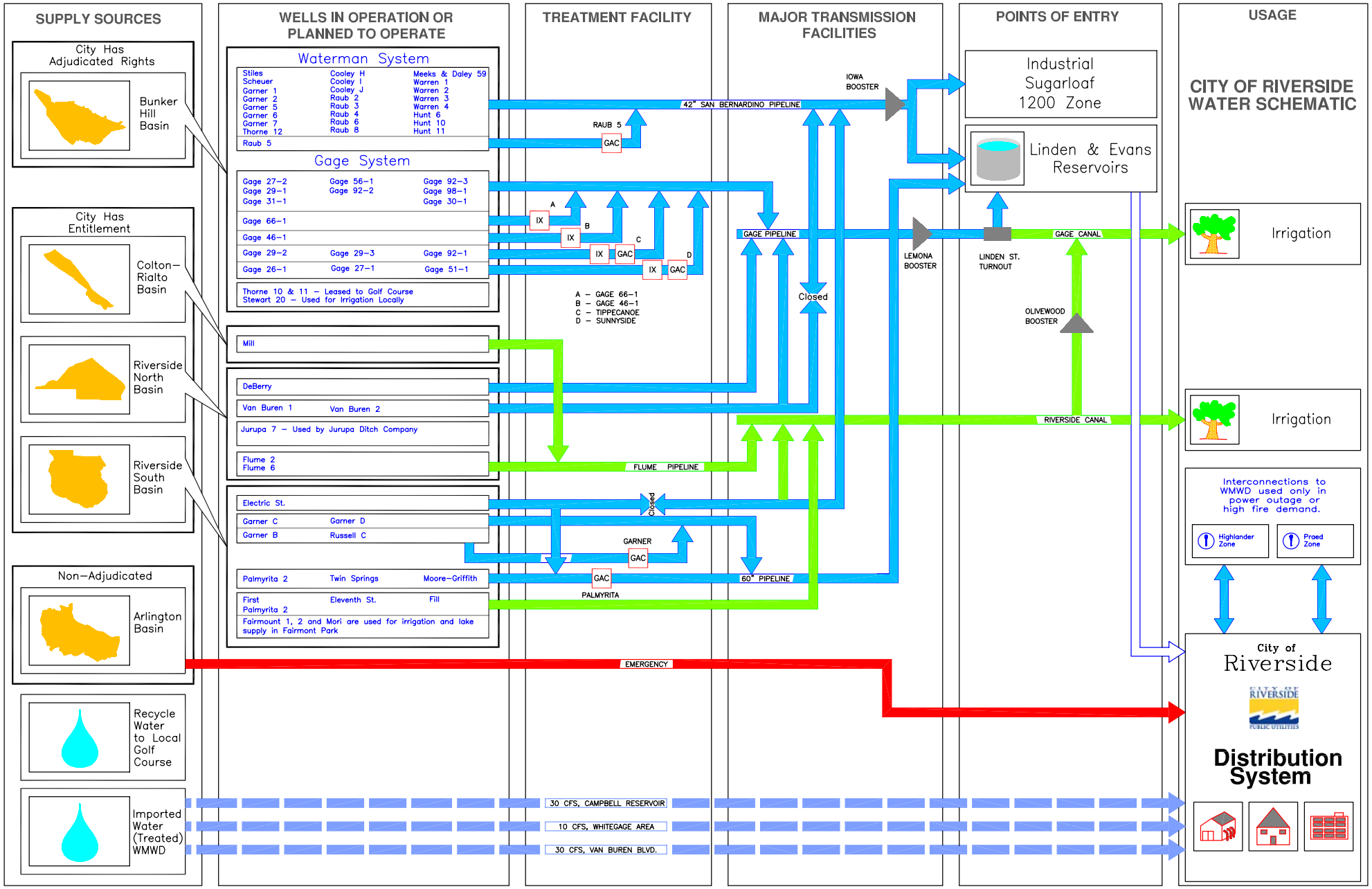
Appendix B.3



Source: http://www.riversideca.gov/planning/annex.htm (accessed September, 2005)

APPENDIX B.4

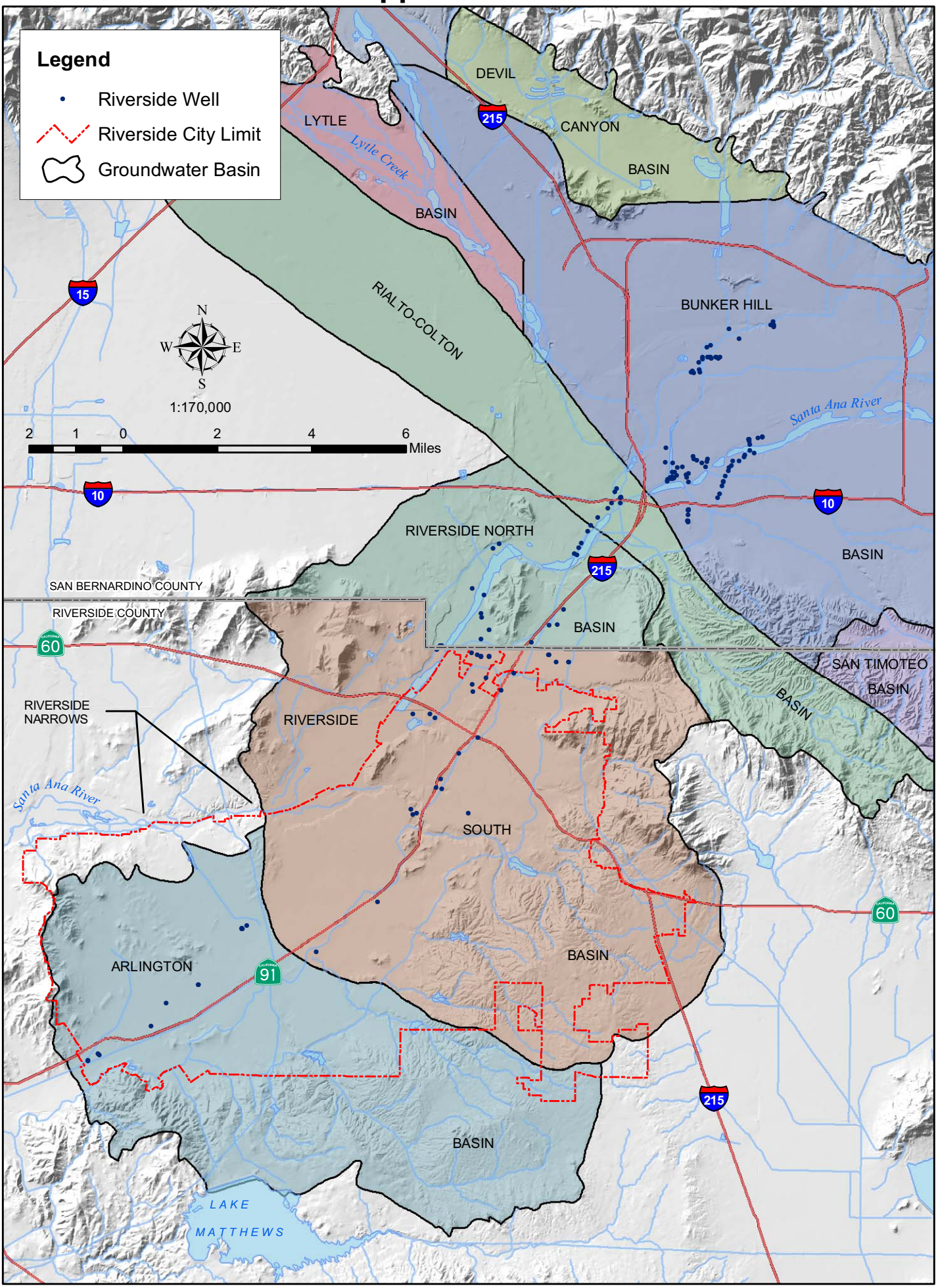
Schematic of RPU Water System


SUPPLY SOURCES
City Has Adjudicated Rights
Bunker Hill Basin
City Has Entitlement
Colton–Rialto Basin
Riverside North Basin
Riverside South Basin
Non–Adjudicated
Arlington Basin
Recycle Water to Local Golf Course
Imported Water (Treated) WMWD
WELLS IN OPERATION OR PLANNED TO OPERATE
Waterman System
Stiles
Scheuer
Garner 1
Garner 2
Garner 5
Garner 6
Garner 7
Thorne 12
Cooley H
Cooley I
Cooley J
Raub 2
Raub 3
Raub 4
Raub 6
Raub 8
Meeks & Daley 59
Warren 1
Warren 2
Warren 3
Warren 4
Hunt 6
Hunt 10
Hunt 11
Raub 5
Gage System
Gage 27–2
Gage 29–1
Gage 31–1
Gage 56–1
Gage 92–2
Gage 92–3
Gage 98–1
Gage 30–1
Gage 66–1
Gage 46–1
Gage 29–2
Gage 29–3
Gage 92–1
Gage 26–1
Gage 27–1
Gage 51–1
Thorne 10 & 11 – Leased to Golf Course
Stewart 20 – Used for Irrigation Locally
Mill
DeBerry
Van Buren 1
Van Buren 2
Jurupa 7 – Used by Jurupa Ditch Company
Flume 2
Flume 6
Electric St.
Garner C
Garner D
Garner B
Russell C
Palmyrita 2
Twin Springs
Moore–Griffith
First
Palmyrita 2
Eleventh St.
Fill
Fairmount 1, 2 and Mori are used for irrigation and lake supply in Fairmont Park
TREATMENT FACILITY
42" SAN BERNARDINO PIPELINE
RAUB 5
GAC
IX
A
B
C
D
A – GAGE 66–1
B – GAGE 46–1
C – TIPPECANOE
D – SUNNYSIDE
FLUME PIPELINE
Closed
GARNER
PALMYRITA
MAJOR TRANSMISSION FACILITIES
IOWA BOOSTER
GAGE PIPELINE
LEMONA BOOSTER
60" PIPELINE
POINTS OF ENTRY
Industrial Sugarloaf 1200 Zone
Linden & Evans Reservoirs
LINDEN ST. TURNOUT
OLIVEWOOD BOOSTER
USAGE
CITY OF RIVERSIDE WATER SCHEMATIC
GAGE CANAL
RIVERSIDE CANAL
Irrigation
Irrigation
Interconnections to WMWD used only in power outage or high fire demand.
Highlander Zone
Praed Zone
EMERGENCY
City of Riverside
Distribution System
30 CFS, CAMPBELL RESERVOIR
10 CFS, WHITEGAGE AREA
30 CFS, VAN BUREN BLVD.

APPENDIX B.5

Groundwater Basin Map

Appendix B.5


Legend
Riverside Well
Riverside City Limit
Groundwater Basin
DEVIL
CANYON
BASIN
LYTLE
Lytle Creek
BASIN
RIALTO-COLTON
BUNKER HILL
N
W
E
S
1:170,000
2 1 0 2 4 6
Miles
Santa Ana River
RIVERSIDE NORTH
BASIN
SAN BERNARDINO COUNTY
RIVERSIDE COUNTY
BASIN
SAN TIMOTEO
BASIN
BASIN
RIVERSIDE NARROWS
RIVERSIDE
Santa Ana River
SOUTH
BASIN
ARLINGTON
BASIN
LAKE
MATTHEWS
15
215
10
60
91

APPENDIX B.6

Superior Court of the State of California for Riverside County (1969 Judgment)

Appendix B.6

Superior Court of the State of California

For the County of Orange

ORANGE COUNTY WATER DISTRICT *Plaintiff* vs. CITY OF CHINO, et al., *Defendants*	**NO. 117628** **SETTLEMENT DOCUMENTS**

STIPULATIONS
- RE DISMISSAL OF CERTAIN DEFENDANTS
- RE DISMISSAL OF CERTAIN CROSS-DEFENDANTS
- FOR JUDGMENT

JUDGMENT
- MAP OF SANTA ANA RIVER WATERSHED
- ENGINEERING APPENDIX

ORDER APPOINTING WATERMASTER

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT DOCUMENTS

AGREEMENTS
- CITY OF SAN BERNARDINO 1969
- CITY OF COLTON

WESTERN MUNICIPAL DOCUMENTS

AGREEMENTS
- CHINO BASIN MWD
- RIVERSIDE FLOOD CONTROL
- CITY OF RIVERSIDE
- CITY OF CORONA

WMWD & ESBCWD SETTLEMENT
- STIPULATION FOR JUDGMENT
- JUDGMENT
- ORDER APPOINTING WATERMASTER
- ESBCWD STIPULATION AS TO ACCEPTANCE OF JUDGMENT
- ORDER AMENDING THE JUDGMENT TO CLARIFY THE REPLENISHMENT OBLIGATIONS OF THE PARTIES

WMWD AND ESBCWD SETTLEMENT

STIPULATION FOR JUDGMENT

FILED
RIVERSIDE COUNTY

APR 17 1969

DONALD D. SULLIVAN, Clerk
By _____ Deputy

SUPERIOR COURT OF THE STATE OF CALIFORNIA

FOR THE COUNTY OF RIVERSIDE

WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY, et al., Plaintiff, v. EAST SAN BERNARDINO COUNTY WATER DISTRICT, et al., Defendants.	No. 74726 (78426) STIPULATION FOR JUDGMENT

CLAYSON, STARK, ROTHROCK & MANN
ATTORNEYS AT LAW
LAW BUILDING
601 SOUTH MAIN STREET
P. O. BOX 670
CORONA, CALIFORNIA 91720
737-1910
689-7241

The undersigned, as counsel for the indicated parties in the above-entitled action, hereby stipulate and agree as follows:

(1) That judgment, substantially in the form attached hereto as Exhibit "A", may be entered by the Court herein.

(2) That the limitation periods specified in Sections 581 and 583 of the Code of Civil Procedure are by this stipulation extended to and including the date hereof.

(3) Each party to this stipulation expressly

waives findings of fact and conclusions of law in support of the Judgment, and specifically waives any right to appeal therefrom; provided that nothing herein contained shall be deemed to restrict or impair the rights of any parties in relation to any proceeding which may hereafter be undertaken in connection with the exercise of the Court's reserved jurisdiction or determinations of the Watermaster.

Dated: April 17, 1969.

SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT

By _____ President

and _____ Secretary

Approved _____ Attorney

BEST, BEST & KRIEGER

By _____ for Western Municipal Water District of Riverside County

JOHN WOODHEAD, City Attorney
LELAND J. THOMPSON, JR.

By _____ for City of Riverside, for itself and as successor in interest to Gage Canal Company

CLAYSON, STARK, ROTHROCK & MANN

By _____ for Agua Mansa Water Company and Meeks & Daley Water Company

REDWINE & SHERRILL

By _____ for Riverside Highland Water Company

THOMAS J. CUNNINGHAM
JOHN P. SPARROW
ROBERT C. FIELD

By _____ for The Regents of the University of California

JUDGMENT

FILED
RIVERSIDE COUNTY

APR 17 1969

DONALD D. SULLIVAN, Clerk
By _____ Deputy

IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA

IN AND FOR THE COUNTY OF RIVERSIDE

WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY, a municipal water district; CITY OF RIVERSIDE, a municipal corporation; THE GAGE CANAL COMPANY, a corporation; AGUA MANSA WATER COMPANY, a corporation, MEEKS & DALEY WATER COMPANY, a corporation; RIVERSIDE HIGHLAND WATER COMPANY, a corporation, and THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, Plaintiffs, -vs- (A) EAST SAN BERNARDINO COUNTY WATER DISTRICT, et al., Defendants	No. 784726 JUDGMENT

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APPENDIX A -- Map showing San Bernardino Basin Area, Colton Basin Area, and Riverside Basin Area situated within San Bernardino County; Riverside Basin Area within Riverside County; Bunker Hill Dike; Riverside Narrows; and

Boundaries of San Bernardino Valley Municipal Water District & Western Municipal Water District of Riverside County

APPENDIX B -- Extractions by Plaintiffs from San Bernardino Basin Area.

APPENDIX C -- Exports for Use on Lands not Tributary to Riverside Narrows

APPENDIX D -- Miscellaneous Data

RECITALS

(a) Complaint. The complaint in this action was filed by certain parties exporting water from the area defined herein as the San Bernardino Basin Area for use within Western, and sought a general adjudication of water rights.

(b) Orange County Water District Action. Subsequently the Orange County Water District filed an action for the adjudication of the water rights of substantially all water users in the area tributary to Prado Dam in the Santa Ana River Watershed. A decree of physical solution has been entered in such action whereby individual water users were dismissed, and San Bernardino Valley and Western assumed responsibility for the deliveries of certain flows at Riverside Narrows and Prado respectively.

(c) Physical Solution. The Judgment herein will further implement the physical solution in the Orange County Water District action, as well as determine the rights of the hereinafter named Plaintiffs to extract water from the San Bernardino Basin Area, and provide for replenishment of the area above Riverside Narrows. Such Judgment is fair and equitable, in the best interests of the parties, and in furtherance of the water policy of the State. San Bernardino Valley has the statutory power and resources to effectuate this Judgment and accordingly the other defendants may be dismissed.

(d) Stipulation. The parties named herein through their respective counsel have proposed and filed a written stipulation agreeing to the making and entry of this Judgment. By reason of such stipulation, and good cause appearing

therefor,

IT IS HEREBY ORDERED, ADJUDGED AND DECREED as follows:

I

ACTIVE PARTIES

(a) The parties to this Judgment are as follows:

(1) Plaintiff Western Municipal Water District of Riverside County, a California municipal water district, herein often called "Western", appearing and acting pursuant to Section 71751 of the Water Code;

(2) Plaintiff City of Riverside, a municipal corporation;

(3) Plaintiffs Riverside Highland Water Company, Agua Mansa Water Company and Meeks & Daley Water Company, each of which is a mutual water company and a California corporation;

(4) Plaintiff The Regents of the University of California, a California public corporation;

(5) Defendant San Bernardino Valley Municipal Water District, a California municipal water district, herein often called "San Bernardino Valley", appearing and acting pursuant to Section 71751 of the Water Code;

(b) This Judgment shall inure to the benefit of, and be binding upon, the successors and assigns of the parties.

II

DISMISSED PARTIES

All parties other than those named in the preceding Paragraph I are dismissed without prejudice.

III

PRIOR JUDGMENTS

(a) The Judgment dated and entered on May 13, 1959, in that certain action filed in the Superior Court of the State of California in and for the County of San Bernardino, entitled and numbered "San Bernardino Valley Water Conservation District, a State Agency, Plaintiff v. Riverside Water Company, a corporation, et al., Defendants", No. 97031, is superseded effective January 1, 1971, and for so long as this Judgment remains in effect as to any party hereto that was a party to that action, and as to any party hereto that is a successor in interest to the rights determined in that action.

(b) The Judgment dated June 23, 1965, and entered on April 21, 1966, in that certain action filed in the Superior Court of the State of California in and for the County of San Bernardino entitled and numbered "San Bernardino Valley Water Conservation District, a State Agency, Plaintiff, v. Riverside Water Company, a corporation, et al., Defendants," No. 111614, is superseded effective January 1, 1971, and for so long as this Judgment remains in effect as to any party hereto that was a party to that action, and as to any party hereto that is a successor in interest to any rights determined in that action.

(c) As used in this Paragraph III only, "party" includes any person or entity which stipulates with the parties hereto to accept this Judgment.

IV

DEFINITIONS

The following ground water basins and tributary areas are situated within the Santa Ana River watershed upstream from Riverside Narrows and are tributary thereto, and their approximate locations and boundaries for purposes of this Judgment are shown upon the map attached hereto as Appendix "A"; San Bernardino Basin Area (the area above Bunker Hill Dike, but excluding certain mountainous regions and the Yucaipa, San Timoteo, Oak Glen and Beaumont Basins); Colton Basin Area, Riverside Basin Area within San Bernardino County, and Riverside Basin Area within Riverside County.

As used herein the following terms shall have the meanings herein set forth:

(a) Bunker Hill Dike - The San Jacinto Fault, located approximately as shown on Appendix "A", and forming the principal downstream boundary of the San Bernardino Basin Area.

(b) Riverside Narrows - That bedrock narrows in the Santa Ana River indicated on Appendix "A".

(c) Extractions - Any form of the verb or noun shall include pumping, diverting, taking or withdrawing water, either surface or subsurface, by any means whatsoever, except extractions for hydroelectric generation to the extent that such flows are returned to the stream, and except for diversions for replenishment.

(d) Natural Precipitation - Precipitation which falls naturally in the Santa Ana River watershed.

(e) Imported Water - Water brought into the Santa Ana River watershed from sources of origin outside such watershed.

(f) Replenishment - Artificial recharge of the ground water body achieved through the spreading or retention of water for the purpose of causing it to percolate and join the underlying ground water body, or injection of water into the ground water resources by means of wells; provided that as used with reference to any obligation of Western to replenish the Riverside Basin Area in Riverside County, the term replenishment shall include any water caused to be delivered by Western for which credit is received by San Bernardino Valley against its obligation under the Orange County Judgment to provide base flow at Riverside Narrows.

(g) Safe Yield - Safe yield is that maximum average annual amount of water that could be extracted from the surface and subsurface water resources of an area over a period of time sufficiently long to represent or approximate long-time mean climatological conditions, with a given areal pattern of extractions, under a particular set of physical conditions or structures as such affect the net recharge to the ground water body, and with a given amount of usable underground storage capacity, without resulting in long-term, progressive lowering of ground water levels or other undesirable result. In determining the operational criteria to avoid such adverse results, consideration shall be given to maintenance of adequate ground water quality, subsurface outflow, costs of pumping, and other relevant factors.

The amount of safe yield is dependent in part upon the amount of water which can be stored in and used from the ground water reservoir over a period of normal water supply under a given set of conditions. Safe yield is thus related to factors which influence or control ground water recharge, and

to the amount of storage space available to carry over recharge occurring in years of above average supply to years of deficient supply. Recharge, in turn, depends on the available surface water supply and the factors influencing the percolation of that supply to the water table.

Safe yield shall be determined in part through the evaluation of the average net groundwater recharge which would occur if the culture of the safe yield year had existed over a period of normal native supply.

(h) Natural Safe Yield - That portion of the safe yield of the San Bernardino Basin Area which could be derived solely from natural precipitation in the absence of imported water and the return flows therefrom, and without contributions from new conservation. If in the future any natural runoff tributary to the San Bernardino Basin Area is diverted away from that Basin Area so that it is not included in the calculation of natural safe yield, any replacement made thereof by San Bernardino Valley or entities within it from imported water shall be included in such calculation.

(i) New Conservation - Any increase in replenishment from natural precipitation which results from operation of works and facilities not now in existence, other than those works installed and operations which may be initiated to offset losses caused by increased flood control channelization.

(j) Year - A calendar year from January 1 through December 31. The term "annual" shall refer to the same period of time.

(k) Orange County Judgment - The final judgment in Orange County Water District v. City of Chino, et al., Orange County Superior Court No. 117628, as it may from time to

time be modified.

(l) Return Flow - That portion of the water applied for use in any particular ground water basin which subsequently reaches the ground water body in that basin.

(m) Five Year Period - a period of five consecutive years.

V

EXTRACTIONS FROM THE SAN BERNARDINO BASIN AREA

(a) For Use by Plaintiffs. The average annual extractions from the San Bernardino Basin Area delivered for use in each service area by each Plaintiff for the five year period ending with 1963 are hereby determined to be as set forth in Table B-1 of Appendix "B". The amount for each such Plaintiff delivered for use in each service area as set forth in Table B-1 shall be designated, for purposes of this Judgment, as its "base right" for such service area.

(b) For Use by Others. The total actual average annual extractions from the San Bernardino Basin Area by entities other than Plaintiffs for use within San Bernardino County for the five year period ending with 1963 are assumed to be 165,407 acre feet; the correct figure shall be determined by the Watermaster as herein provided.

VI

SAN BERNARDINO BASIN AREA RIGHTS AND REPLENISHMENT

(a) Determination of Natural Safe Yield. The natural safe yield of the San Bernardino Basin Area shall be computed by the Watermaster, reported to and determined initially by supplemental order of this Court, and thereafter

shall be subject to the continuing jurisdiction thereof.

(b) Annual Adjusted Rights of Plaintiffs.

1. The annual "adjusted right" of each Plaintiff to extract water from the San Bernardino Basin Area for use in each service area designated in Table B-1 shall be equal to the sum of the following:

(a) its base right for such service area, until the natural safe yield of the San Bernardino Basin Area is determined, and thereafter its percentage of such natural safe yield determined by the methods used in Table B-2; and (b) an equal percentage for each service area of any new conservation, provided the conditions of the subparagraph 2 below have been met.

2. In order that the annual adjusted right of each such Plaintiff shall include its same respective percentage of any new conservation, such Plaintiff shall pay its proportionate share of the costs thereof. Each Plaintiff shall have the right to participate in new conservation projects, under procedures to be determined by the Watermaster for notice to Plaintiffs of the planned construction of such projects. With respect to any new conservation brought about by Federal installations, the term "costs" as used herein shall refer to any local share required to be paid in connection with such project. Each Plaintiff shall make its payment at times satisfactory to the constructing agency, and new conservation shall be credited to any participating Plaintiff as such conservation is effected.

3. In any five year period, each Plaintiff shall have the right to extract from the San Bernardino Basin Area for use in each service area designated in Table B-1 an amount of water equal to five times its adjusted right for such service area; provided, however, that extractions by each Plaintiff in any year in any service area shall not exceed such Plaintiff's adjusted right for that service area by more than 30 percent.

4. If the natural safe yield of the San Bernardino Basin Area has not been determined by January 1, 1972, the initial determination thereof shall be retroactive to that date and the rights of the Plaintiffs, and the replenishment obligation of San Bernardino Valley as hereinafter set forth, shall be adjusted as of such date. Any excess extractions by Plaintiffs shall be charged against their respective adjusted rights over the next five year period, or in the alternative, Plaintiffs may pay to San Bernardino Valley the full cost of any replenishment which it has provided as replenishment for such excess extractions. Any obligation upon San Bernardino Valley to provide additional replenishment, by virtue of such retroactive determination of natural safe yield, may also be discharged over such next five year period.

5. Plaintiffs and each of them and their agents and assigns are enjoined from extracting any more water from the San Bernardino Basin Area than is permitted under this Judgment. Changes in place

of use of any such water from one service area to another shall not be made without the prior approval of Court upon a finding of compliance with Paragraph XV(b) of this Judgment. So long as San Bernardino Valley is in compliance with all its obligations hereunder, and Plaintiffs are allowed to extract the water provided for in this Judgment, Plaintiffs are further enjoined from bringing any action to limit the water extracted from the San Bernardino Basin Area for use within San Bernardino Valley.

6. Nothing in this Judgment shall prevent future agreements between San Bernardino Valley and Western under which additional extractions may be made from the San Bernardino Basin Area, subject to the availability of imported water not required by San Bernardino Valley, and subject to payment satisfactory to San Bernardino Valley for replenishment required to compensate for such additional extractions.

(c) San Bernardino Valley Replenishment. San Bernardino Valley shall provide imported water for replenishment of the San Bernardino Basin Area at least equal to the amount by which extractions therefrom for use within San Bernardino County exceed during any five year period the sum of: (a) five times the total average annual extractions determined under Paragraph V(b) hereof, adjusted as may be required by the natural safe yield of the San Bernardino Basin Area; and (b) any new conservation to which users within San Bernardino Valley are entitled. Such replenishment shall be

supplied in the year following any five year period; provided that during the first five year period, San Bernardino Valley shall supply annual amounts on account of its obligations hereunder, and such amounts shall be not less than fifty percent of the gross amount of excess extractions in the previous year.

1. Against its replenishment obligation over any five year period San Bernardino Valley shall receive credit for that portion of such excess extractions that returns to the ground water of the San Bernardino Basin Area.

2. San Bernardino Valley shall also receive credit against any future replenishment obligations for all replenishment which it provides in excess of that required herein, and for any amounts which may be extracted without replenishment obligation, which in fact are not extracted.

(d) In this subparagraph (d), "person" and "entity" mean only those persons and entities, and their successors in interest, which have stipulated with the parties to this Judgment within six months after its entry to accept this Judgment.

San Bernardino Valley agrees that the base rights of persons or entities other than Plaintiffs to extract water from the San Bernardino Basin Area for use within San Bernardino Valley will be determined by the average annual quantity extracted by such person or entity during the five year period ending with 1963. After the natural safe yield of the San Bernardino Basin Area is determined hereunder, such

base rights will be adjusted to such natural safe yield; the adjusted right of each such person or entity shall be that percentage of natural safe yield as determined hereunder from time to time which the unadjusted right of such person or entity is of the amount determined under Paragraph V(b).

San Bernardino Valley further agrees that in the event the right to extract water of any of such persons or entities in the San Bernardino Basin Area is adjudicated and legal restrictions placed on such extractions which prevent extracting of water by said persons or entities in an amount equal to their base rights, or after natural safe yield is determined, their adjusted rights, San Bernardino Valley will furnish to such persons or entities or recharge the ground water resources in the area of extraction for their benefit with imported water, without direct charge to such persons or entities therefor, so that the base rights, or adjusted rights, as the case may be, may be taken by the person or entity.

Under the provisions hereof relating to furnishing of such water by San Bernardino Valley, such persons or entities shall be entitled to extract in addition to their base rights or adjusted rights any quantities of water spread for repumping in their area of extractions, which has been delivered to them by a mutual water company under base rights or adjusted base rights included by the Watermaster under the provisions of Paragraph V (b) hereof. Extractions must be made within three years of spreading to so qualify.

VII

WATER DISCHARGED ACROSS THE BUNKER HILL DIKE

San Bernardino Valley shall keep in force an agreement with the City of San Bernardino that the present annual quantity of municipal sewage effluent discharged across Bunker Hill Dike, assumed for all purposes herein to be 16,000 acre feet annually, shall be committed to the discharge of the downstream obligations imposed on San Bernardino Valley under this Judgment or under the Orange County Judgment, and that such effluent shall comply with the requirements of the Santa Ana River Basin Regional Water Quality Control Board in effect December 31, 1968.

VIII

EXTRACTIONS FROM COLTON BASIN AREA AND RIVERSIDE BASIN AREA IN SAN BERNARDINO COUNTY.

(a) The average annual extractions from the Colton Basin Area and that portion of the Riverside Basin Area within San Bernardino County, for use outside San Bernardino Valley, for the five year period ending with 1963 are assumed to be 3,349 acre feet and 20,191 acre feet, respectively; the correct figures shall be determined by the Watermaster as herein provided.

(b) Over any five year period, there may be extracted from each such Basin Area for use outside San Bernardino Valley, without replenishment obligation, an amount equal to five times such annual average for the Basin Area; provided, however, that if extractions in any year exceed such average by more than 20 percent, Western shall provide replenishment in the following year equal to the excess

extractions over such 20 percent peaking allowance.

(c) To the extent that extractions from each such Basin Area for use outside San Bernardino Valley exceed the amounts specified in the next preceding Paragraph (b), Western shall provide replenishment. Except for any extractions in excess of the 20 percent peaking allowance, such replenishment shall be supplied in the year following any five year period, and shall not be from reclaimed water produced within San Bernardino Valley. Such replenishment shall also be of a quality at least equal to the water extracted from the Basin Area being recharged; provided, that water from the State Water Project shall be deemed to be of acceptable quality. Replenishment shall be supplied to the Basin Area from which any excess extractions have occurred and in the vicinity of the place of the excess extractions to the extent required to preclude influence on the water level in the three wells below designated; provided that discharge of imported water into the Santa Ana River or Warm Creek from a connection on the State Aqueduct near the confluence thereof, if released in accordance with a schedule approved by the Watermaster to achieve compliance with the objectives of this Judgment, shall satisfy any obligation of Western to provide replenishment in the Colton Basin Area, or that portion of the Riverside Basin Area in San Bernardino County, or the Riverside Basin Area in Riverside County.

(d) Extractions from the Colton Basin Area and that portion of the Riverside Basin Area within San Bernardino County, for use within San Bernardino Valley, shall not be limited. However, except for any required replenishment by Western, San Bernardino Valley shall provide the water to maintain the static water levels in the area, as determined by wells numbered

1S 4W 21 Q3, 1S 4W 29 H1, and 1S 4W 29 Q1 at an average level no lower than that which existed in the Fall season of 1963. Such 1963 average water level is hereby determined to be 822.04 feet above sea level. In future years, the level shall be computed by averaging the lowest static water levels in each of the three wells occurring at or about the same time of the year, provided that no measurements will be used which reflect the undue influence of pumping in nearby wells, or in the three wells, or pumping from the Riverside Basin in Riverside County in excess of that determined pursuant to Paragraph IX(a) hereof.

(e) Extractions by Plaintiffs from the Colton Basin Area and the portion of the Riverside Basin Area in San Bernardino County may be transferred to the San Bernardino Basin Area if the level specified in Paragraph (d) above is not maintained, but only to the extent necessary to restore such 1963 average water level, provided that Western is not in default in any of its replenishment obligations. San Bernardino Valley shall be required to replenish the San Bernardino Basin Area in an amount equal to any extractions so transferred. San Bernardino Valley shall be relieved of responsibility toward the maintenance of such 1963 average water level to the extent that Plaintiffs have physical facilities available to accommodate such transfers of extractions, and insofar as such transfers can be legally accomplished.

(f) The Colton Basin Area and the portion of the Riverside Basin Area in San Bernardino County constitute a major source of water supply for lands and inhabitants in both San Bernardino Valley and Western, and the parties hereto have a mutual interest in the maintenance of water quality in these Basin Areas and in the preservation of such supply. If

the water quality in such Areas, as monitored by the City of Riverside wells along the river, falls below the Objectives set therefor by the Santa Ana River Basin Regional Water Quality Control Board, the Court shall have jurisdiction to modify the obligations of San Bernardino Valley to include, in addition to its obligation to maintain the average 1963 water level, reasonable provisions for the maintenance of such water quality.

(g) The primary objectives of Paragraph VIII and related provisions are to allow maximum flexibility to San Bernardino Valley in the operation of a coordinated replenishment and management program, both above and below Bunker Hill Dike; to protect San Bernardino Valley against increased extractions in the area between Bunker Hill Dike and Riverside Narrows, which without adequate provision for replenishment might adversely affect base flow at Riverside Narrows, for which it is responsible under the Orange County Judgment; and to protect the area as a major source of ground water supply available to satisfy the historic extractions therefrom for use within Western, without regard to the method of operation which may be adopted by San Bernardino Valley for the San Bernardino Basin Area, and without regard to the effect of such operation upon the historic supply to the area below Bunker Hill Dike.

If these provisions should prove either inequitable or unworkable, the Court upon the application of any party hereto shall retain jurisdiction to modify this Judgment so as to regulate the area between Bunker Hill Dike and Riverside Narrows on a safe yield basis; provided that under such method of operation, (1) base rights shall be determined on the basis of total average annual extractions for use within San Bernardino Valley and Western, respectively, for the five year period ending

with 1963; (2) such base rights for use in both Districts shall be subject to whatever adjustment may be required by the safe yield of the area, and in the aggregate shall not be exceeded unless replenishment therefor is provided; (3) in calculating safe yield, the outflow from the area at Riverside Narrows shall be determined insofar as practical by the base flow obligations imposed on San Bernardino Valley under the Orange County Judgment; and (4) San Bernardino Valley shall be required to provide replenishment for any deficiency between the actual outflow and the outflow obligation across Bunker Hill Dike as established by safe yield analysis using the base period of 1934 through 1960.

IX

EXTRACTIONS FROM THE PORTION OF RIVERSIDE BASIN AREA IN RIVERSIDE COUNTY WHICH IS TRIBUTARY TO RIVERSIDE NARROWS.

(a) The average annual extractions from the portion of the Riverside Basin Area in Riverside County which is tributary to Riverside Narrows, for use in Riverside County, for the five year period ending with 1963 are assumed to be 30,044 acre feet; the correct figures shall be determined by the Watermaster as herein provided.

(b) Over any five year period, there may be extracted from such Basin Area, without replenishment obligation, an amount equal to five times such annual average for the Basin Area; provided, however, that if extractions in any year exceed such average by more than 20 percent, Western shall provide replenishment in the following year equal to the excess extractions over such 20 percent peaking allowance.

(c) To the extent that extractions from such Basin Area exceed the amounts specified in the next preceding

Paragraph (b), Western shall provide replenishment. Except for any extractions in excess of the 20 percent peaking allowance, such replenishment shall be supplied in the year following any five year period, and shall be provided at or above Riverside Narrows.

(d) Western shall also provide such replenishment to offset any reduction in return flow now contributing to the base flow at Riverside Narrows, which reduction in return flow results from the conversion of agricultural uses of water within Western to domestic or other uses connected to sewage or waste disposal systems, the effluent from which is not tributary to the rising water at Riverside Narrows.

X

REPLENISHMENT TO OFFSET NEW EXPORTS OF WATER TO AREAS NOT TRIBUTARY TO RIVERSIDE NARROWS.

Certain average annual amounts of water extracted from the San Bernardino Basin Area and the area downstream therefrom to Riverside Narrows during the five year period ending in 1963 have been exported for use outside of the area tributary to Riverside Narrows and are assumed to be 50,667 acre feet annually as set forth in Table C-1 of Appendix "C"; the correct amount shall be determined by the Watermaster as herein provided. Western shall be obligated to provide replenishment at or above Riverside Narrows for any increase over such exports by Western or entities within it from such areas for use within areas not tributary to Riverside Narrows. San Bernardino Valley shall be obligated to provide replenishment for any increase over the exports from San Bernardino Valley for use in any area not within Western nor tributary to Riverside Narrows as set forth in Table C-2 of

Appendix "C", such amounts being subject to correction by the Watermaster, or for any exports from the San Bernardino Basin Area for use in the Yucaipa, San Timoteo, Oak Glen and Beaumont Basins.

XI

REPLENISHMENT CREDITS AND ADJUSTMENT FOR QUALITY

(a) All replenishment provided by Western under Paragraph IX and all credits received against such replenishment obligation shall be subject to the same adjustments for water quality applicable to base flow at Riverside Narrows, as set forth in the Orange County Judgment.

(b) Western shall receive credit against its replenishment obligations incurred under this Judgment for the following:

1. As against its replenishment obligation under Paragraph VIII, any return flow to the Colton Basin Area or the portion of the Riverside Basin Area within San Bernardino County, respectively, resulting from any excess extractions therefrom; and as against its replenishment obligation under Paragraph IX, any return flow to the portion of the Riverside Basin Area in Riverside County, which contributes to the base flow at Riverside Narrows, resulting from any excess extractions therefrom, or from the Riverside Basin Area in San Bernardino County, or from the Colton Basin Area.

2. Subject to adjustment under Paragraph (a) hereof, any increase over the present amounts of sewage effluent discharged from

treatment plants within Riverside County which are tributary to Riverside Narrows, and which results from the use of imported water.

3. Any replenishment which may be provided in excess of that required; any amounts which hereunder are allowed to be extracted from the Colton and Riverside Basin Areas without replenishment obligation by Western, and which in fact are not extracted; any storm flows conserved between Bunker Hill Dike and Riverside Narrows by works financed solely by Western, or entities within it, which would not otherwise contribute to base flow at Riverside Narrows; and any return flow from imported water used in Riverside County which contributes to base flow at Riverside Narrows; provided, however, that such use of the underground storage capacity in each of the above situations does not adversely affect San Bernardino Valley in the discharge of its obligations at Riverside Narrows under the Orange County Judgment, nor interfere with the accomplishment by San Bernardino Valley of the primary objectives of Paragraph VIII, as stated in Subdivision (g).

(c) The replenishment obligations of Western under this Judgment shall not apply during such times as amounts of base flow at Riverside Narrows and the amounts of water stored in the ground water resources below Bunker Hill Dike and tributary to the maintenance of such flow are found by Order of the Court to be sufficient to satisfy any obligation which San Bernardino Valley may have under this Judgment, or under the

Orange County Judgment, and if the Court further finds by Order that during such times any such increase in pumping, changes in use or exports would not adversely affect San Bernardino Valley in the future.

(d) The replenishment obligations of San Bernardino Valley under Paragraph X of this Judgment for increase in exports from the Colton and Riverside Basin Areas within San Bernardino Valley below the Bunker Hill Dike shall not apply during such times as the amounts of water in the ground water resources of such area are found by Order of the Court to be sufficient to satisfy the obligations which San Bernardino Valley may have to Plaintiffs under this Judgment, and if the Court further finds by Order that during such times any such increases in exports would not adversely affect Plaintiffs in the future.

XII

CONVEYANCE OF WATER BY SAN BERNARDINO VALLEY TO RIVERSIDE NARROWS.

If San Bernardino Valley determines that it will convey reclaimed sewage effluent, or other water, to or near Riverside Narrows, to meet its obligations under this or the Orange County Judgment, the City of Riverside shall make available to San Bernardino Valley for that purpose any unused capacity in the former Riverside Water Company canal, and the Washington and Monroe Street storm drains, without cost except for any alterations or capital improvements which may be required, or any additional maintenance and operation costs which may result. The use of those facilities shall be subject to the requirements of the Santa Ana River Basin Regional Water Quality Control Board and of the State Health Department, and compliance

therewith shall be San Bernardino Valley's responsibility.

XIII

WATERMASTER

(a) This Judgment and the instructions and subsequent orders of this Court shall be administered and enforced by a Watermaster. The parties hereto shall make such measurements and furnish such information as the Watermaster may reasonably require, and the Watermaster may verify such measurements and information and obtain additional measurements and information as the Watermaster may deem appropriate.

(b) The Watermaster shall consist of a committee of two persons. San Bernardino Valley and Western shall each have the right to nominate one of such persons. Each such nomination shall be made in writing, served upon the other parties to this Judgment, and filed in Court. Such person shall be appointed by and serve at the pleasure of and until further order of this Court. If either Western or San Bernardino Valley shall at any time nominate a substitute appointee in place of the last appointee to represent it, such appointee shall be appointed by the Court in place of such last appointee.

(c) Appendix "D" to this Judgment contains some of the data which have been used in preparation of this Judgment, and shall be utilized by the Watermaster in connection with any questions of interpretation.

(d) Each and every finding and determination of the Watermaster shall be made in writing certified to be by unanimous action of both members of the Watermaster committee. In the event of failure or inability of such Watermaster Committee to reach agreement, the Watermaster committee may determine to submit the dispute to a third person to be selected

by them, or if they are unable to agree on a selection, to be selected by the Court, in which case the decision of the third person shall be binding on the parties; otherwise the fact, issue, or determination in question shall forthwith be certified to this Court by the Watermaster, and after due notice to the parties and opportunity for hearing, said matter shall be determined by order of this Court, which may refer the matter for prior recommendation to the State Water Resources Control Board. Such order of the Court shall be a determination by the Watermaster within the meaning of this Judgment.

(e) The Watermaster shall report to the Court and to each party hereto in writing not more than seven (7) months after the end of each year, or within such other time as the Court may fix, on each determination made by it pursuant to this Judgment, and such other items as the parties may mutually request or the Watermaster may deem to be appropriate. All of the books and records of the Watermaster which are used in the preparation of, or are relevant to, such reported data, determinations and reports shall be open to inspection by the parties hereto. At the request of any party this Court will establish a procedure for the filing and hearing of objections to the Watermaster's report.

(f) The fees, compensation and expenses of each person on the Watermaster shall be borne by the District which nominated such person. All other Watermaster service costs and expenses shall be borne by San Bernardino Valley and Western equally.

(g) The Watermaster shall initially compute and report to the Court the natural safe yield of the San Bernardino Basin Area, said computation to be based upon the cultural

conditions equivalent to those existing during the five calendar year period ending with 1963.

(h) The Watermaster shall as soon as practical determine the correct figures for Paragraphs V(b), VI(b)1, VIII(a), IX(a) and X, as the basis for an appropriate supplemental order of this Court.

XIV

CONTINUING JURISDICTION OF THE COURT

(a) The Court hereby reserves continuing jurisdiction of the subject matter and parties to this Judgment, and upon application of any party, or upon its own motion, may review and redetermine, among other things, the following matters and any matters incident thereto:

1. The hydrologic condition of any one or all of the separate basins described in this Judgment in order to determine from time to time the safe yield of the San Bernardino Basin Area.

2. The desirability of appointing a different Watermaster or a permanent neutral member of the Watermaster, or of changing or more clearly defining the duties of the Watermaster.

3. The desirability of providing for increases or decreases in the extraction of any particular party because of emergency requirements or in order that such party may secure its proportionate share of its rights as determined herein.

4. The adjusted rights of the Plaintiffs as required to comply with the provisions hereof with respect to changes in the natural safe yield of the San Bernardino Basin

Area. If such changes occur, the Court shall adjudge that the adjusted rights and replenishment obligations of each party shall be changed proportionately to the respective base rights.

5. Conforming the obligations of San Bernardino Valley under this Judgment to the terms of any new judgment hereafter entered adjudicating the water rights within San Bernardino Valley, if inconsistencies of the two judgments impose hardship on San Bernardino Valley.

6. Adjusting the figures in Paragraphs V(b), VI(b) 1, VIII(a) IX(a), and X, to conform to determination by the Watermaster.

7. Credit allowed for return flow in the San Bernardino Basin Area if water levels therein drop to the point of causing undue hardship upon any party.

8. Other matters not herein specifically set forth which might occur in the future and which would be of benefit to the parties in the utilization of the surface and ground water supply described in this Judgment, and not inconsistent with the respective rights of the parties as herein established and determined.

(b) Any party may apply to the Court under its continuing jurisdiction for any appropriate modification of this Judgment if its presently available sources of imported water are exhausted and it is unable to obtain additional supplies of imported water at a reasonable cost, or if there is any substantial delay in the delivery of imported water through the State Water Project.

XV

SAVING CLAUSES

(a) Nothing in this Judgment precludes San Bernardino Valley, Western, or any other party from exercising such rights as it may have or obtain under law to spread, store underground and recapture imported water, provided that any such use of the underground storage capacity of the San Bernardino Basin Area by Western or any entity within it shall not interfere with any replenishment program of the Basin Area.

(b) Changes in the place and kind of water use, and in the transfer of rights to the use of water, may be made in the absence of injury to others or prejudice to the obligations of either San Bernardino Valley or Western under Judgment or the Orange County Judgment.

(c) If any Plaintiff shall desire to transfer all or any of its water rights to extract water within San Bernardino Valley to a person, firm, or corporation, public or private, who or which is not then bound by this Judgment, such Plaintiff shall as a condition to being discharged as hereinafter provided cause such transferee to appear in this action and file a valid and effective express assumption of the obligations imposed upon such Plaintiff under this Judgment as to such transferred water rights. Such appearance and assumption of obligation shall include the filing of a designation of the address to which shall be mailed all notices, requests, objections, reports and other papers permitted or required by the terms of this Judgment.

If any Plaintiff shall have transferred all of its said water rights and each transferee not theretofore bound by this Judgment as a Plaintiff shall have appeared in this action

and filed a valid and effective express assumption of the obligations imposed upon such Plaintiff under this Judgment as to such transferred water rights, such transferring Plaintiff shall thereupon be discharged from all obligations hereunder. If any Plaintiff shall cease to own any rights in and to the water supply declared herein and shall have caused the appearance and assumption provided for in the third preceding sentence with respect to each voluntary transfer, then upon application to this Court and after notice and hearing such Plaintiff shall thereupon be relieved and discharged from all further obligations hereunder. Any such discharge of any Plaintiff hereunder shall not impair the aggregate rights of defendant San Bernardino Valley or the responsibility hereunder of the remaining Plaintiffs or any of the successors.

(d) Non-use of any right to take water as provided herein shall not result in any loss of the right. San Bernardino Valley does not guarantee any of the rights set out herein for Western and the other Plaintiffs as against the claims of third parties not bound hereby. If Western or the other Plaintiffs herein should be prevented by acts of third parties within San Bernardino County from extracting the amounts of water allowed them by this Judgment, they shall have the right to apply to this Court for any appropriate relief, including vacation of this Judgment, in which latter case all parties shall be restored to their status prior to this Judgment insofar as possible.

(e) Any replenishment obligation imposed hereunder on San Bernardino Valley may be deferred until imported water first is available to San Bernardino Valley under its contract with the California Department of Water Resources and the

obligation so accumulated may be discharged in five approximately equal annual installments thereafter.

(f) No agreement has been reached concerning the method by which the cost of providing replenishment will be financed, and no provision of this Judgment, nor its failure to contain any provision, shall be construed to reflect any agreement relating to the taxation or assessment of extractions.

XVI

EFFECTIVE DATE

The provisions of Paragraphs III and V to XII of this Judgment shall be in effect from and after January 1, 1971; the remaining provisions are in effect immediately.

XVII

COSTS

No party shall recover its costs herein as against any other party.

THE CLERK WILL ENTER THIS JUDGMENT FORTHWITH.

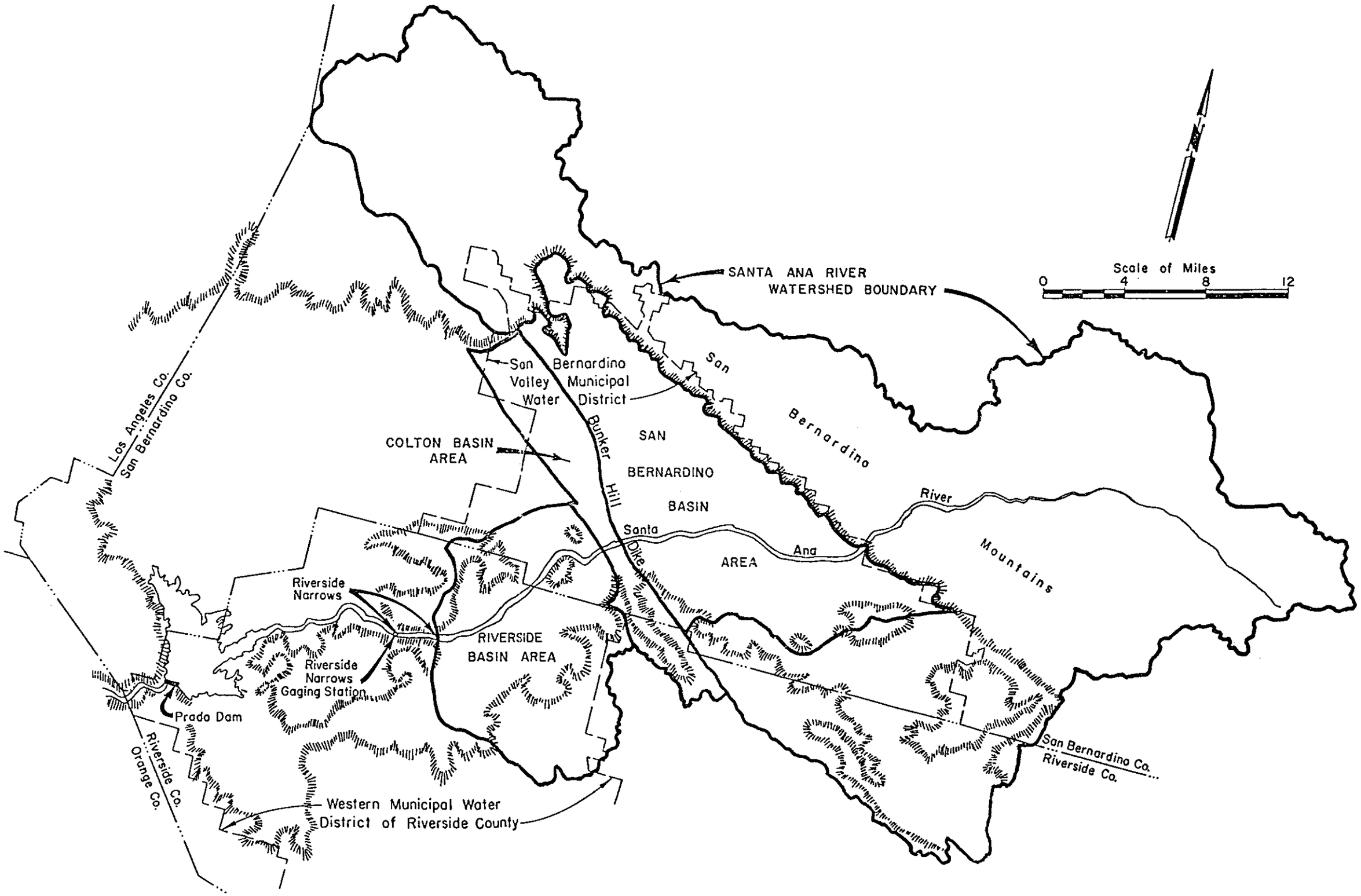
DATED: April 17, 1969

ENTERED

APR 17 1969

JUDGE OF THE SUPERIOR COURT

JUDGMENT BOOK 124 PG 42



MAP SHOWING

SAN BERNARDINO BASIN AREA, COLTON BASIN AREA, AND RIVERSIDE BASIN AREA SITUATED WITHIN SAN BERNARDINO COUNTY; RIVERSIDE BASIN AREA WITHIN RIVERSIDE COUNTY; BUNKER HILL DIKE; RIVERSIDE NARROWS; AND BOUNDARIES OF SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT & WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY.

APPENDIX A

APPENDIX B
TABLE B-1

EXTRACTIONS BY PLAINTIFFS FROM THE SAN BERNARDINO BASIN AREA FOR AVERAGE OF 5-YEAR PERIOD ENDING WITH 1963

(All Values in Acre Feet)
Classified According to Service Area

Plaintiff	Total Extractions in San Bernardino Basin Area	Delivery to San Bernardino Basin Area	Delivery to Colton Basin Area & Riverside Basin Area in San Bernardino County	Delivery to Areas Outside San Bernardino Valley
City of Riverside (including those rights acquired as successor to the Riverside Water Company and The Gage Canal Company)	53,448	1462	1260	50,726
Riverside High-Land Water Company	4,399	0	2509	1,890
Agua Mansa Water Company, and Meeks & Daley Water Company	8,026	0	326	7,700
The Regents of the University of California	581	0	0	581
Total	66,454	1,462	4,095	60,897

APPENDIX B
TABLE B-2

PLAINTIFFS' PERCENTAGES OF BASE RIGHT TO TOTAL PRODUCTION FROM SAN BERNARDINO VALLEY BASIN AREA,
231,861 Acre Feet Annually,
For 5-Year Average Ending With 1963
Classified According to Service Area

Plaintiff	Delivery to San Bernardino Basin Area	Delivery to Colton Basin Area & Riverside Basin Area in San Bernardino County	Delivery to Areas Outside San Bernardino Valley
City of Riverside (including those rights acquired as successor to the Riverside Water Company and The Gage Canal Company)	.630	.543	21.878
Riverside Highland Water Company		1.082	0.815
Aqua Mansa Water Company, and Meeks & Daley Water Company		.141	3.321
The Regents of the University of California			0.250
Total	.630	1.766	26.264

APPENDIX C
TABLE C-1

EXTRACTIONS FOR USE WITHIN WESTERN
FROM
THE SAN BERNARDINO BASIN AREA, COLTON BASIN AREA,
AND THE RIVERSIDE BASIN AREA
FOR USE ON LANDS THAT ARE NOT TRIBUTARY
TO THE RIVERSIDE NARROWS FOR
AVERAGE OF FIVE-YEAR PERIOD ENDING IN 1963

Extractor	Five-Year Average Ac. Ft.
City of Riverside, including Irrigation Division water extracted by Gage Canal Co. and former Riverside Water Co.	30,657
Meeks & Daley Water Co., Agua Mansa Water Co., and Temescal Water Co., including water received from City of Riverside	13,731
Extractions delivered by West Riverside Canal received from Twin Buttes Water Co., La Sierra Water Co., Agua Mansa Water Co., Salazar Water Co., West Riverside 350" Water Co., and Jurupa Water Co.	5,712
Rubidoux Community Services District	531
Jurupa Hills Water Co.	36
TOTAL	50,667

APPENDIX C
TABLE C-2

EXTRACTIONS FOR USE WITHIN SAN BERNARDINO COUNTY
FROM
SAN BERNARDINO BASIN AREA AND COLTON BASIN AREA
FOR USE ON LANDS NOT TRIBUTARY TO
RIVERSIDE NARROWS FOR AVERAGE OF
FIVE-YEAR PERIOD ENDING WITH 1953

(ALL VALUES IN ACRE FEET)

Entity	San Bernardino Basin Area	Colton Basin Area	Total
Fontana Union Water Co.	14,272	365	14,637
West San Bernardino County Water District	2,961	947	3,908
City of Rialto			700
TOTAL			19,245

APPENDIX D
TABLE D-1

EXTRACTIONS FROM SAN BERNARDINO BASIN AREA
FOR THE AVERAGE OF FIVE-YEAR PERIOD ENDING WITH 1963
FOR USE WITHIN SAN BERNARDINO COUNTY

(ALL VALUES IN ACRE FEET)

Basin	Five Year Avg. 1959-63
Beaumont	10,064
Big Bear	1,171
Borea Canyon	91
Bunker Hill	181,600
City Creek	337
Cook Canyon	197
Devil Canyon	3,326
Devil Creek	42
Lower Cajon	2,090
Little San Creek	15
Lytle	29,364
Mill Creek	11,084
Oak Glen	935
Plunge Creek	1,265
Santa Ana	1,790
Strawberry Creek	291
San Timoteo	2,272
Waterman Canyon	367
Yucaipa	13,837
Upper Basin Total	260,139
Less: Beaumont	
Oak Glen	
San Timoteo	27,107
Yucaipa	
Subtotal	233,032
Less Big Bear	1,171
Subtotal	231,861
Less extractions for use outside San Bernardino County	60,897
Extractions from San Bernardino for use in San Bernardino County	170,964

APPENDIX D
TABLE D-2

EXTRACTIONS FROM
COLTON BASIN AREA FOR AVERAGE OF
FIVE-YEAR PERIOD ENDING WITH 1963
BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
FOR USE WITHIN EACH COUNTY

(VALUES IN ACRE FEET)

Extractor	Place of Use		Total
	San Bernardino Co.	Riverside Co.	
San Bernardino County Entities	8,480	0	8,480
Riverside County Entities	147	3,349	3,496
TOTAL EXTRACTIONS	8,627	3,349	11,976

APPENDIX D
TABLE D-3

EXTRACTIONS FROM
RIVERSIDE BASIN AREA IN SAN BERNARDINO COUNTY
FOR AVERAGE FIVE-YEAR PERIOD ENDING WITH 1963
BY SAN BERNARDINO AND RIVERSIDE COUNTY ENTITIES
FOR USE WITHIN EACH COUNTY

(VALUES IN ACRE FEET)

Extractor	Place of Use		
	San Bernardino Co.	Riverside Co.	Total
San Bernardino County Entities	9,582	0	9,582
Riverside County Entities	3,929	20,191	24,120
TOTAL EXTRACTIONS	13,511	20,191	33,702

APPENDIX D
TABLE D-4

EXTRACTIONS FROM
SAN BERNARDINO BASIN AREA, COLTON BASIN AREA
AND RIVERSIDE BASIN AREA USED WITHIN
RIVERSIDE COUNTY FOR THE AVERAGE
FIVE-YEAR PERIOD ENDING WITH 1963

(ALL VALUES IN ACRE FEET)

Basin	Five-Year Average
San Bernardino Basin Area	60,897
Colton Basin Area	3,349
Riverside Basin Area in San Bernardino County	20,191
Riverside Basin Area in Riverside County	30,044
TOTAL	114,481

APPENDIX D
TABLE D-5

IRRIGATED ACREAGE IN RIVERSIDE BASIN AREA
IN RIVERSIDE COUNTY PRESENTLY TRIBUTARY
TO RIVERSIDE NARROWS WHICH
UPON CONVERSION TO URBAN USES
REQUIRING SEWAGE DISPOSAL THROUGH
THE RIVERSIDE TREATMENT PLANT WILL
BE DISCHARGED TO THE RIVER BELOW
RIVERSIDE NARROWS

Entity Serving Acreage	Acres
Gage Canal	1,752
Alta Mesa Water Co.	65
East Riverside Water Co.	926
Riverside Highland Water Company	1,173
TOTAL	3,916

APPENDIX B.7

RPU Purchase agreement with Western MWD

Appendix B.7

AGREEMENT FOR SERVICE RIGHT IN THE WESTERN MUNICIPAL WATER DISTRICT STATE PROJECT WATER PIPELINE

AGREEMENT FOR SERVICE RIGHT IN THE WESTERN MUNICIPAL WATER DISTRICT STATE PROJECT WATER PIPELINE

THIS AGREEMENT made this 23rd day of September, 1986, is entered into by and between the WESTERN MUNICIPAL WATER DISTRICT OF RIVERSIDE COUNTY ("WMWD"), a municipal water district organized under the laws of the State of California and a member agency of the Metropolitan Water District of Southern California ("MWD") and of the Santa Ana Watershed Project Authority ("SAWPA"), and the CITY OF RIVERSIDE, a charter city ("CITY").

RECITALS

1. The Santa Ana Watershed Project Authority, a joint powers agency organized and existing pursuant to the laws of California and to a certain Joint Powers Agreement of January, 1975, exercising the powers common to its member agencies ("SAWPA"), has agreed to engineer, design, and construct an imported water conveyance system within the service area of WMWD, consisting of a gravity pipeline, a pressure pipeline, a reservoir and a pumping station ("PROJECT"), for the purpose of supplying treated water to WMWD's service area for irrigation, domestic and industrial uses. PROJECT Construction is presently estimated to be complete by 1990.

SAWPA has entered into a contract with the United States pursuant to the Small Reclamation Projects Act for a loan to construct the PROJECT entitled Contract Between the U.S. and Santa Ana Watershed Project Authority, dated February 11, 1985 and on file with SAWPA which is incorporated herein by reference. SAWPA has estimated the total project cost to be $23,316,500. The loan, in an amount not to exceed $14,917,000, has been approved and authorized for funding. The loan contract required the execution of a Lease-Purchase agreement between SAWPA and WMWD, which was executed on January 2, 1985 and is on file with the WMWD at its offices, which Agreement is incorporated herein by reference.

2. By the terms of the Lease-Purchase Agreement, WMWD will lease and operate the PROJECT from SAWPA during the period of time SAWPA is obligated under the loan contract with the United States, and will be solely responsible for all the financial obligations, costs and expenses of the PROJECT and the loan contract. At the time the loan obligation is repaid, SAWPA will convey its ownership interest in the PROJECT to WMWD.

3. WMWD, in turn, will make service rights in the PROJECT available to applicants within its service area, subject to certain payment requirements and terms and conditions.

4. CITY has applied for a service right of 30 cubic feet per second ("cfs"), and has agreed to pay the cost and to comply with the terms and conditions.

5. It is the purpose of this Agreement to provide the terms, conditions and payment schedule under which CITY will acquire a 30 cfs service right in the PROJECT.

COVENANTS

Based upon the foregoing facts, and in consideration of the mutual covenants of the parties, it is hereby agreed as follows:

6. Definitions. As used in this Agreement, these terms shall have the following meaning:

A. Service Right. A right to receive treated State Water Project water service at a specific maximum rate of flow of water at specific connections, to the extent water is available to WMWD from the Metropolitan Water District of Southern California ("MWD"), and to the extent the PROJECT facilities are capable of delivering design capacity flows. The amount of the service right shall be expressed in cubic feet per second as constant flow during a 24-hour period, and shall be equal to the maximum flow which may be required by CITY as measured at its connections on Reach A. Use of the pipeline by any project participant or participants shall not diminish CITY's service right.

B. PROJECT. The PROJECT is an imported water conveyance system intended to carry treated State Water Project water from the Henry J. Mills Filtration Plant ("Mills") on Alessandro Boulevard in western Riverside County to certain locations within the service area of WMWD. The conveyance system consists of two separate pipelines.

The first is a gravity pipeline, which begins at the Mills Filtration Plant and runs westerly approximately 65,000 feet, generally following the alignment of the Box Springs and Upper Feeder right of way belonging to MWD, to a final turnout at Eagle Valley. It includes a 10 million gallon storage facility located near the westerly end of the pipeline.

The second is a pressure pipeline, which will begin at the Mills Filtration Plant and run southerly approximately 18,300 feet, and includes a pumping station located near the Mills Filtration Plant.

C. PROJECT Participants. PROJECT Participants shall be those entities which obtain a service right in the PROJECT from WMWD and agree to abide by the terms and conditions set by WMWD for acquisition and utilization of such right.

D. Gravity Pipeline Reaches. The gravity pipeline shall consist of five reaches and a reservoir which are further defined as follows:

(1) Reach A. Reach A shall be the first reach of the gravity pipeline from the Mills Filtration Plant, running westerly approximately 31,200 feet, and consisting of a 60-inch pipeline.

(2) Reach B. Reach B shall be the second reach of the gravity pipeline from the Mills Plant, commencing at the westerly end of Reach A, running westerly approximately 14,600 feet, and consisting of a 54-inch pipeline.

(3) Reach C. Reach C shall be the third reach of the gravity pipeline, commencing at the westerly end of Reach B, running westerly approximately 3,200 feet, and consisting of a 48-inch pipeline.

(4) Reach D. Reach D shall be the fourth reach of the gravity pipeline, commencing at the end of Reach C, running westerly approximately 12,300 feet, consisting of a 48-inch pipeline.

(5) Reach E. Reach E shall be the fifth reach of the gravity pipeline, commencing at the western end of Reach D, running westerly 3,700 feet, consisting of a 36-inch pipeline, and terminating in Eagle Valley.

(6) Reservoir. Reservoir shall mean a 10 million gallon storage facility located along the gravity pipeline toward the westerly end. CITY shall have no storage rights in this facility.

A map generally showing the location and terminus of each Reach and the Reservoir of the PROJECT is attached hereto as Exhibit "A."

E. PROJECT Costs. PROJECT Costs are defined as all ordinary and usual costs relevant to creating the PROJECT for its stated purposes, including construction costs of the gravity pipeline, reservoir, pressure pipeline, pump station, design, engineering, legal and administrative costs, rights of way, Bureau of Reclamation participation, loan application reports, CEQA-EIR costs, field inspection, interest costs, escalation factors and contingencies.

7. CITY Service Right. CITY shall have the right to require and WMWD shall have the obligation to deliver at connections to be determined along or at the end of Reach A, 30 cfs of treated State Water Project water, dependent upon full payment of the purchase price therefor by CITY, and compliance with the terms and conditions set forth herein, and further dependent upon the availability of MWD water to WMWD, and the capability of the PROJECT to deliver water at its design capacity.

8. Price of Service Right. The total price of the 30 cfs service right is fixed at $2,400,000 and is not subject to changed project requirements, cost overruns, or other increases or decreases in actual costs.

9. Payment Terms. CITY shall pay WMWD the total price of $2,400,000 in one payment submitted no later than September 26, 1986.

10. Reach A Estimated Completion Date. SAWPA estimates completion of construction of Reach A by February 1, 1988, provided Bureau of Reclamation loan funds continue to be made available as presently expected and authorized. WMWD agrees to exercise its best efforts to cause SAWPA to use due diligence in completing construction of Reach A by February 1, 1988.

WMWD also agrees to use its best efforts to provide water service to CITY immediately after acceptance of Reach A, regardless of completion of subsequent reaches of the gravity pipeline.

11. Operation, Maintenance, Repair and Replacement Costs (Gravity Pipeline). Operation and maintenance costs which shall be those associated with the gravity section of the PROJECT shall be divided between fixed and variable costs.

A. Fixed Costs, which shall include an amount for replacement, shall be charged to PROJECT participants as an annual charge on a fiscal year basis, and divided among participants based on each participant's percent of allocated service rights, whether or not the participants take delivery of the flow. The fixed costs may also be divided among participants on a reach by reach basis.

Replacement shall mean replacement after destruction by acts of God, malicious mischief, vandalism, extraordinary major maintenance costs or similar events. If such

replacement becomes necessary when there are insufficient funds to cover the costs, WMWD shall meet with the PROJECT participants to determine how such costs shall be met.

B. Variable Costs shall be included in the rate for water, which shall be paid on a monthly basis. The water rate shall be the sum of the MWD rate for treated water, WMWD'S administrative charge, and variable costs of operation and maintenance of the gravity pipeline portion of the PROJECT. Payments shall be based on the net amount of water delivered to CITY's connections on Reach A. The water rate shall apply to the quantity of water delivered at each connection and shall be billed monthly.

WMWD shall establish an independent cost center and an annual budget for the operation and maintenance of the gravity pipeline portion of the Project. CITY shall be provided the opportunity to review and comment upon the proposed budget prior to its adoption by WMWD's board. Operation and maintenance cost amounts for this portion of the Project shall be based on the annual budget.

12. Point of Delivery. CITY shall be entitled to take delivery of its 30 cfs of water at a connection or connections, not to exceed 3, at such location or locations on Reach A as shall be determined by the parties. The primary water source shall be California State Water Project water, treated and delivered to WMWD at the Mills Plant. CITY shall be responsible for the costs of whatever additional

facilities required to make a connection to the PROJECT, including a structure, valves, meter, and telemetry, although the actual design and construction of such connection facility shall be completed by WMWD. Such costs shall be paid to WMWD in advance of letting any contract for the work or the purchase of any necessary equipment or facilities. Once a connection has been made, the connection facilities and meter shall belong to WMWD, and WMWD shall be responsible for their operation, maintenance, repair and replacement.

The CITY will have the right to install, maintain and inspect its own telemetry equipment and connections within the metering facilities. WMWD shall provide electrical contacts and meter characteristics as approved by the CITY for CITY's telemetry equipment and a flanged connection for the CITY's pipeline. All CITY's telemetry equipment shall belong to the CITY and CITY shall be responsible for its operation, maintenance, repair and replacement. The CITY will demonstrate the capability of flow control for its service connections.

13. Operation and Administration.

A. Scheduled outages - WMWD will provide advance notice of any scheduled pipeline outage.

B. Connection Right of Way - WMWD will assist CITY in obtaining permanent and temporary construction easements from MWD for right of way needed to connect to the metering facilities.

C. Corrosion control - The pipeline will be bonded and test leads will be brought to the surface and WMWD will monitor potential for corrosion and provide corrosion control if necessary as part of the operation and maintenance.

D. Changes in flow - WMWD will permit instantaneous changes in flow at the CITY's connection provided WMWD is permitted by MWD to make instantaneous changes in flow from the Mills treated water reservoir.

14. Title to PROJECT. After all payments on the loan obligations are made, SAWPA will convey title of the PROJECT to WMWD which shall thenceforth be the sole owner and operator of the PROJECT and of capacity in the PROJECT. Notwithstanding any provisions of this Agreement, PROJECT participants shall have no ownership rights to PROJECT facilities or capacity. Further, no right created by this Agreement may be assigned, sold, leased, or transferred.

15. Reversion of Service Right. If CITY should determine it does not need its full 30 cfs service right, it may notify WMWD and request a reversion of the surplus to WMWD. If WMWD thereafter sells that right to another participant or new party, it shall reimburse CITY the amount of CITY'S purchase price for that portion, plus 8.64% interest annually from date of purchase. WMWD, however, is under no obligation to offer such reverted rights to a purchaser in advance of offering any other then-existing capacity.

16. Agreement Subject To Terms Of Prior Agreements. This Agreement is subject to all the terms and conditions of the Lease Payment Agreement between SAWPA and WMWD dated January 2, 1985 and between SAWPA and the United States through the Loan Contract.

17. Default. Should CITY fail to perform its obligations under this Agreement with respect to payment for the service right, or with respect to the fixed and variable costs of operation, maintenance, repair or replacement, the following shall apply:

A. Default on Service Right. If CITY shall fail to make any payment due herein of the service right within ten (10) days from the date such payment is due, or if CITY shall fail to keep any of the terms and conditions of this Agreement concerning payment for the service right, then CITY shall be deemed to be in default hereunder. If CITY should, after notice, fail to remedy any such default with all reasonable dispatch, not to exceed thirty (30) days, then WMWD shall have the right, at its option, without any further demand or notice, to terminate this Agreement and to take possession of CITY's service right in the PROJECT and to declare CITY's right forfeited, and to thereafter hold or resell such right to other applicants without reimbursement to CITY.

With respect to the payment for the service right, this shall be the exclusive and only remedy for CITY's default should WMWD elect to pursue a remedy.

B. Default on Operation, Maintenance, Repair or Replacement Costs. If CITY shall fail to make any payment due herein within thirty (30) days from the invoice date, or if CITY shall fail to keep any of the terms and conditions of this contract concerning payment of operation, maintenance, repair or replacement costs, then CITY shall be deemed to be in default hereunder and WMWD shall have the right, at its option, without any further demand or notice, to terminate water service.

These rights are not intended to constitute WMWD's exclusive remedies, and they shall be in addition to any other right or remedy that WMWD may have for damages, termination of the Agreement, injunction, or other relief allowed by law.

18. Notices. Any notices or filings required to be given or made under this Agreement shall be served or made in the following manner:

A. Upon WMWD, by serving the Secretary or General Manager of WMWD personally or by registered mail addressed to the General Manager, Western Municipal Water District, 450 Alessandro Boulevard, Riverside, California 92508, P. O. Box 5286, Riverside, California 92517-5286.

B. Upon CITY, by serving the Public Utilities Director personally or by registered mail, Public Utilities Department, 3900 Main Street, Riverside, California 92522.

19. Severability. If any section or portion of this Agreement or the application thereof to any party is for any reason held invalid, it shall be deemed severable, and the validity of the remainder of the Agreement shall not be affected thereby.

20. Attorneys' Fees. Should either party hereto commence an action to enforce the provisions of this Agreement, then such party that prevails in that action shall be entitled to reasonable attorneys' fees, costs, expert witness fees, consulting fees and testing fees.

21. Amendments. This Agreement may be amended with the mutual consent of the parties, provided that such amendment shall be in writing, signed and dated by both parties hereto.

22. Hold Harmless. WMWD agrees to hold CITY harmless from any liability for damages or claims for personal injury and property damage which do not result from the negligent acts of CITY, its officials, officers, agents or employees, and CITY agrees to hold WMWD harmless from any liability for damages or claims for personal injury or property damage resulting from the negligence of CITY.

IN WITNESS WHEREOF, WMWD has caused this Agreement to be executed by the President of its Board of Directors and attested by the Secretary thereof, and CITY has executed this by its Mayor and attested by its CITY Clerk.

APPROVED AS TO FORM:

Anne T. Thomas
Attorney for Western
Municipal Water District
for Riverside County

WESTERN MUNICIPAL WATER
FOR RIVERSIDE COUNTY

By: _____

ATTESTED BY:

_____

CITY OF RIVERSIDE
a municipal corporation

By: _____ Mayor Pro Tempore

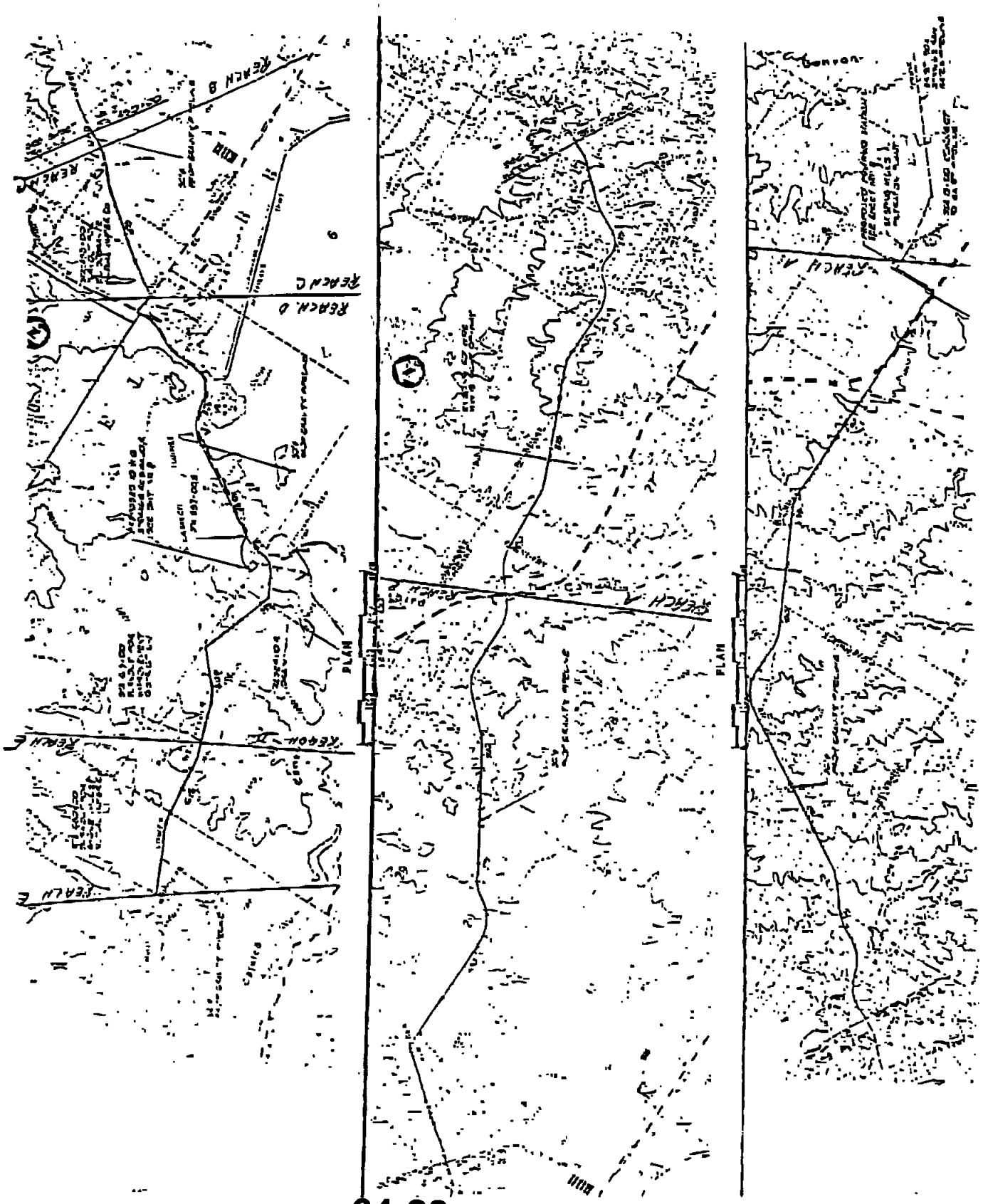
APPROVED AS TO FORM:

_____
City Attorney
City of Riverside

ATTESTED BY:

_____
City Clerk

EXHIBIT "A"

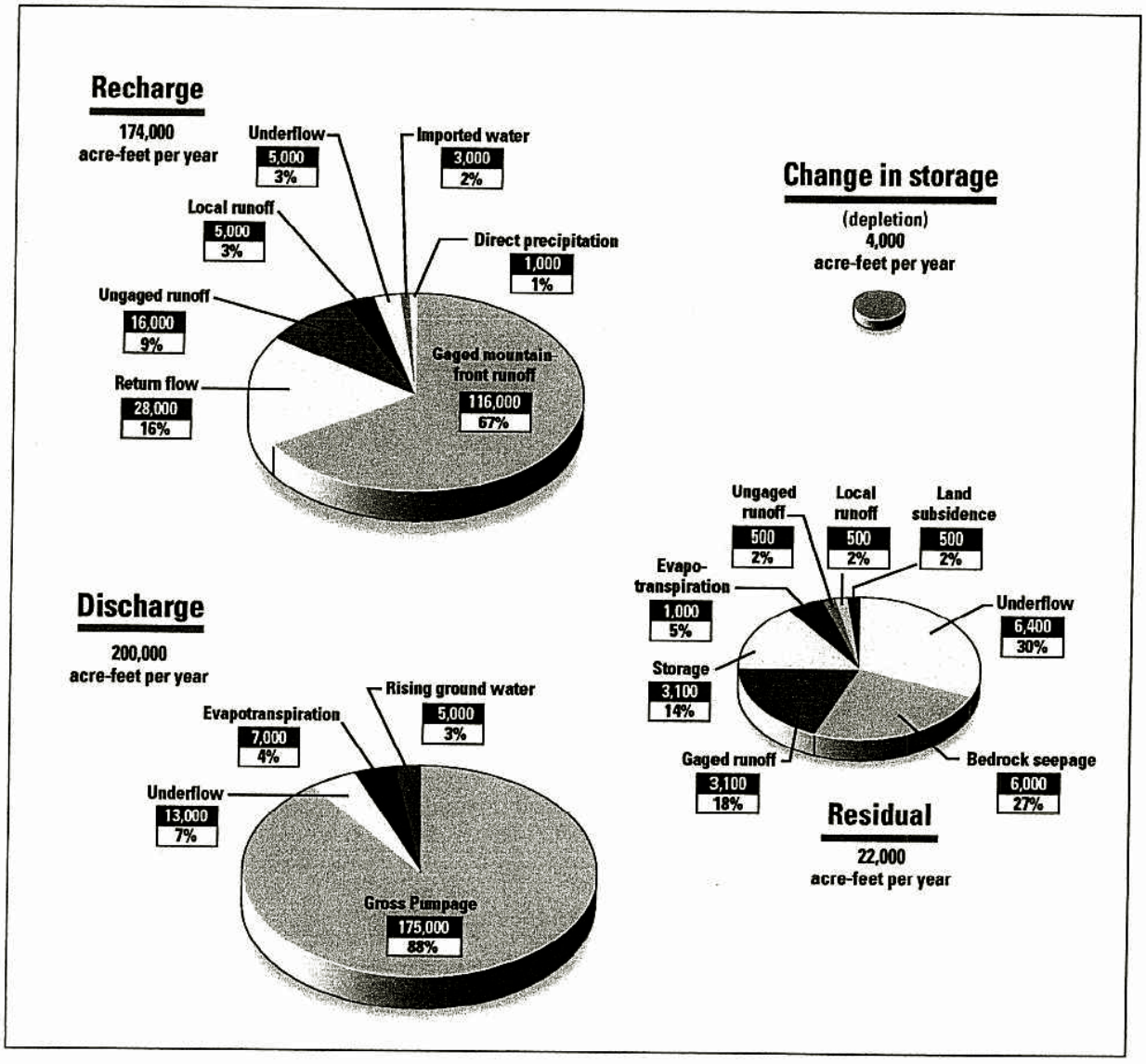


APPENDIX B.8

Mean Annual Recharge, Discharge Bunker Hill Basin (1945-1998)

Appendix B.8

Mean Annual Recharge, Discharge Bunker Hill Basin (1945-1998)



Source: Wes Danskin, Personal communications

APPENDIX B.9

Groundwater Budget for the San Bernardino Area (Bunker Hill) Basin (1945-1998)

Appendix B.9

Groundwater Budget for the San Bernardino Area (Bunker Hill) Basin (1945-1998)

Component	Minimum (AFY)	Average (AFY)	Maximum (AFY)
Recharge			
Direct Precipitation	0	1,000	12,000
Gaged runoff	27,000	116,000	423,000
Ungaged runoff	4,000	16,000	68,000
Direct recharge from local runoff	2,000	5,000	12,000
Imported water	0	3,000	30,000
Underflow	4,000	5,000	7,000
Return flow from pumpage	20,000	28,000	37,000
Total	**57,000**	**174,000**	**589,000**
Discharge			
Pumpage	123,000	175,000	215,000
Underflow	4,000	13,000	25,000
Evapotranspiration	1,000	7,000	26,000
Rising groundwater	0	5,000	42,000
Total	**128,000**	**200,000**	**308,000**
Change in storage	**-143,000**	**-4,000**	**289,000**
Residual	**--**	**-22,000**	**--**

Sources of Water to Compensate for residual

Component	Minimum (AFY)	Average (AFY)	Maximum (AFY)	Comment
Recharge from gaged runoff	0	4,000	5,500	Simulated values are 5,500 AFY greater than original estimate, which required many assumptions.
Recharge from ungaged runoff	0	500	500	Original estimate is highly uncertain.
Recharge from local runoff	0	500	500	Roundoff error of original estimate is 500 AFY.
Seepage from bedrock aquifer	0	6,000	15,000	Some underflow from bedrock is likely, and has been estimated using a heat-transport model to be as much as 15,000 AFY.
Change in storage, unconfined part of the valley-fill aquifer	0	3,000	7,500	Groundwater flow suggests a geater change in storage occurred.
Change in storage, confined part of the valley-fill aquifer	0	100	500	Original estimate for change in storage did not account for the confined aquifer.
Water related land subsidence	0	500	1,000	Some inelastic release of water from storage likely occurred, but the quantity is unknown.
Reduced evapotranspiraton	0	1,000	2,000	Model may overestimate evapotranspiration.
Reduced underflow out of aquifer	0	6,400	6,400	Simulated value for underflow near Barrier J is 6,400 less than original estimate.
Total	**--**	**22,000**	**--**	

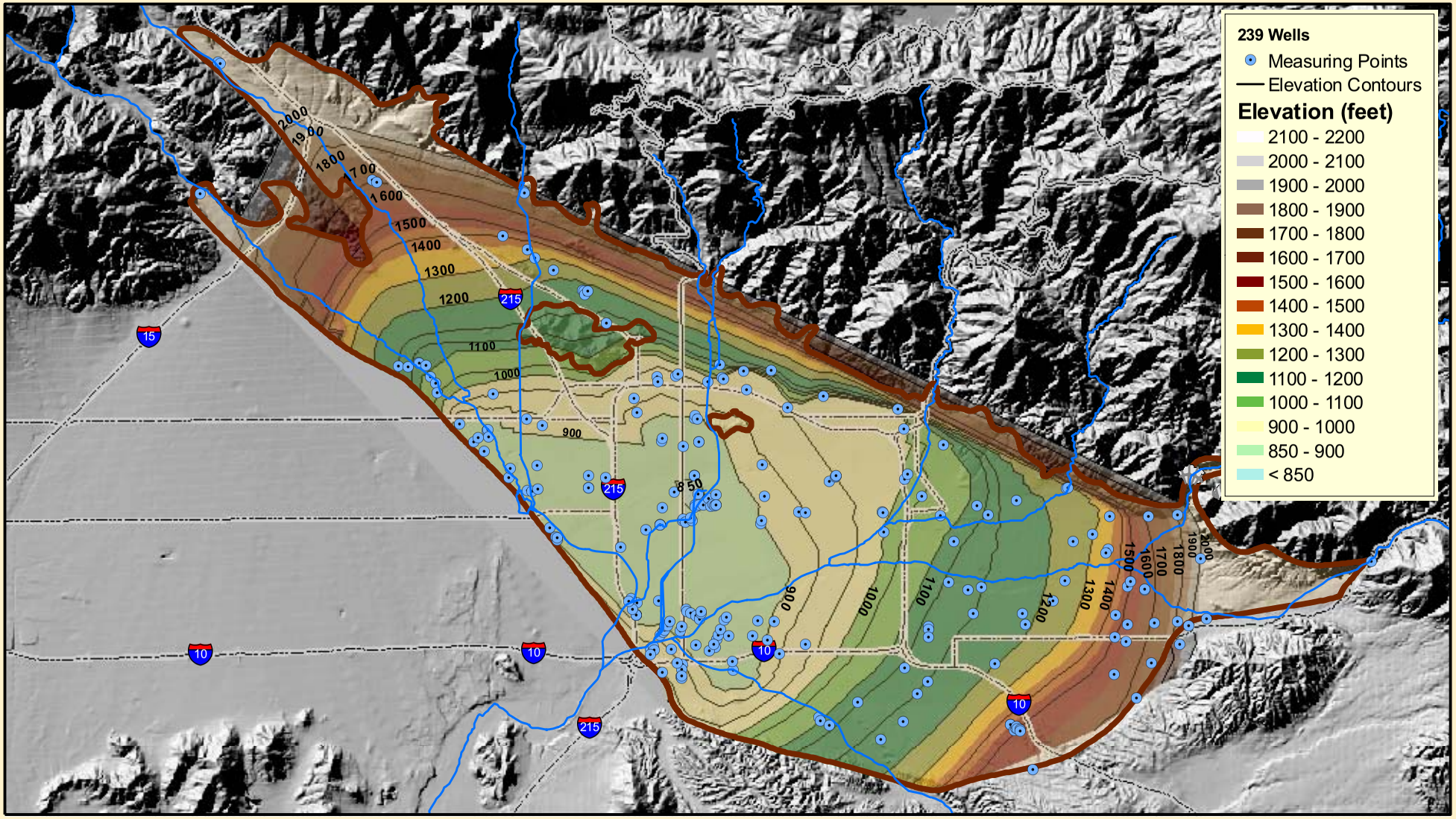
NOTES: -, indicates a decrease in groundwater storage; --, not applicable.
Average values are well researched from measured and estimated data; values to compensate for calculated residual are speculative

Source: Wes Danskin, USGS, San Diego; Personal communications

APPENDIX B.10

Conceptual Groundwater Contours in Bunker Hill 2004

Appendix B.10



State Plane
NAD 83, Zone V, feet
30M DEM

Miles
0 0.5 1 2 3 4

Fall 2004 Conceptual Groundwater Contours

Engineering Investigation
February 2005

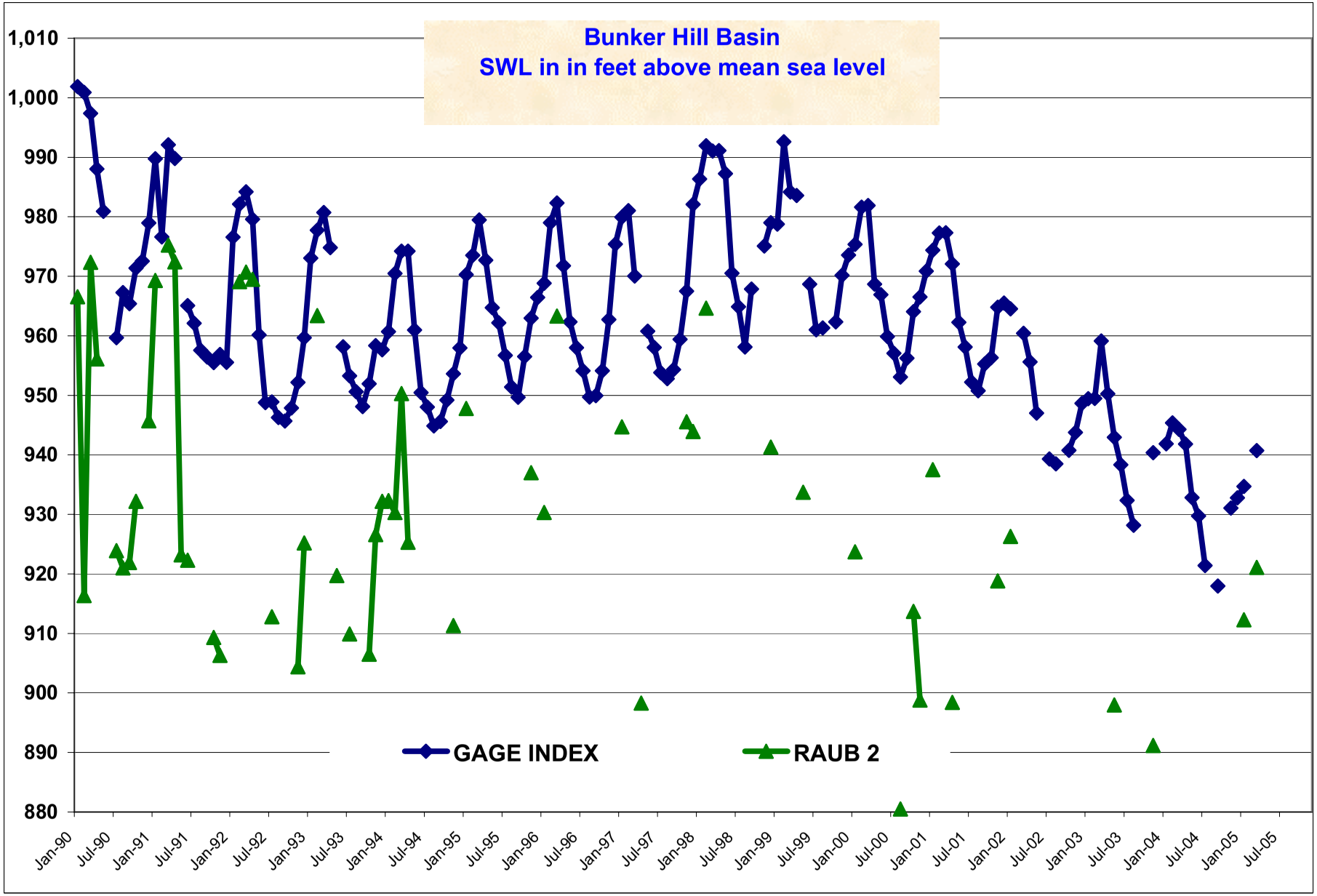
Source: SBVWCD GIS

Source: 2005 San Bernardino Valley Water Conservation District (SBVWCD) Engineering Investigation

APPENDIX B.11

Static Groundwater level at some selected RPU wells in Bunker Hill

Appendix B.11



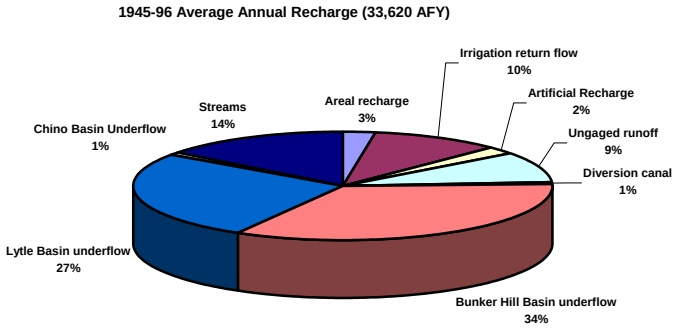
Gage index is average for wells 26-1, 29-2, 46-1, 51-1, and 66-1 with average reference elevation of 1,048 feet above mean sea level (amsl).
Reference elevation for Raub 2 well is 1,017 ft amsl.

APPENDIX B.12

Components of recharge in the Colton-Rialto basin (1945-1996)

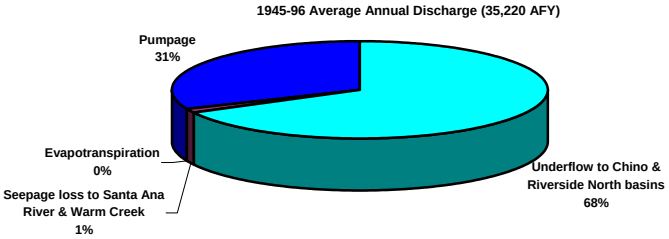
Appendix B.12

Components of recharge in the Colton-Rialto basin (1945-1996)



USGS Model simulated transient water budget for Colton-Rialto Basin (1945 - 96)		
Source of Recharge	**Acre-feet/yr**	**%**
Areal recharge	860	3%
Irrigation return flow	3,320	10%
Artificial Recharge	750	2%
Ungaged runoff	3,070	9%
Diversion canal	190	1%
Bunker Hill Basin underflow	11,380	34%
Lytle Basin underflow	8,920	27%
Chino Basin Underflow	270	1%
Streams	4,860	14%
Total Recharge	**33,620**	**100%**
Water from storage	**7,350**	

Discharge	**Acre-feet/yr**	**%**
Underflow to Chino & Riverside North basins	23,700	67%
Seepage loss to Santa Ana River & Warm Creek	440	1%
Evapotranspiration	<<1	
Pumpage	11,080	31%
Total Discharge	**35,220**	**100%**
Water to storage	**5,960**	



Data Source: Woolfenden, L.R. and K.M. Kozcot, USGS (2001)

APPENDIX B.13

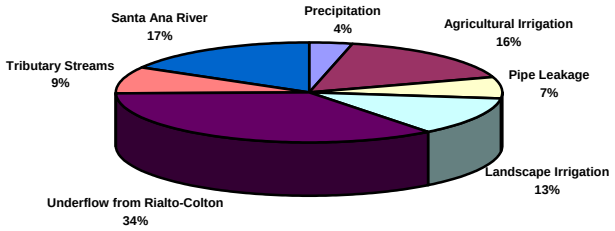
Estimated Groundwater Budget, Riverside-Arlington Basins (1976-2000)

Appendix B.13

Estimated Groundwater Budget, Riverside-Arlington Basins (1976-2000)

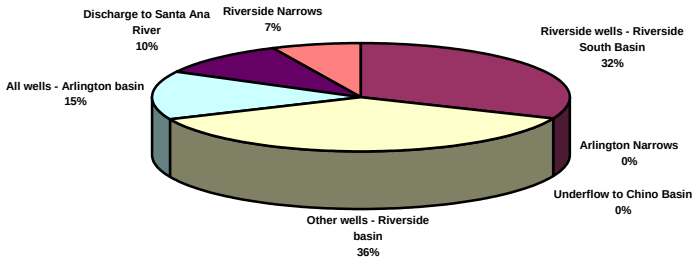
INFLOW	Acre-feet/year
Recharge from precipitation	2,100
Recharge from agricultural irrigation	9,300
Recharge from pipe leakage	4,000
Recharge from landscape irrigation	7,200
Underflow from Rialto-Colton	20,000
Recharge from tributary streams	5,000
Recharge from Santa Ana River	9,500
Sub-total	**57,100**
Underflow from Bunker Hill basin	4,500

Sources of Recharge



OUTFLOW	Acre-feet/year
Underflow to Chino Basin	-
Riverside wells - Riverside South Basin	18,000
Other wells - Riverside basin	21,000
All wells - Arlington basin	8,300
Discharge to Santa Ana River	5,800
Riverside Narrows	4,000
Arlington Narrows	-
Sub-total	**57,100**
All wells - Colton basin	4,600

Sources of Outflow

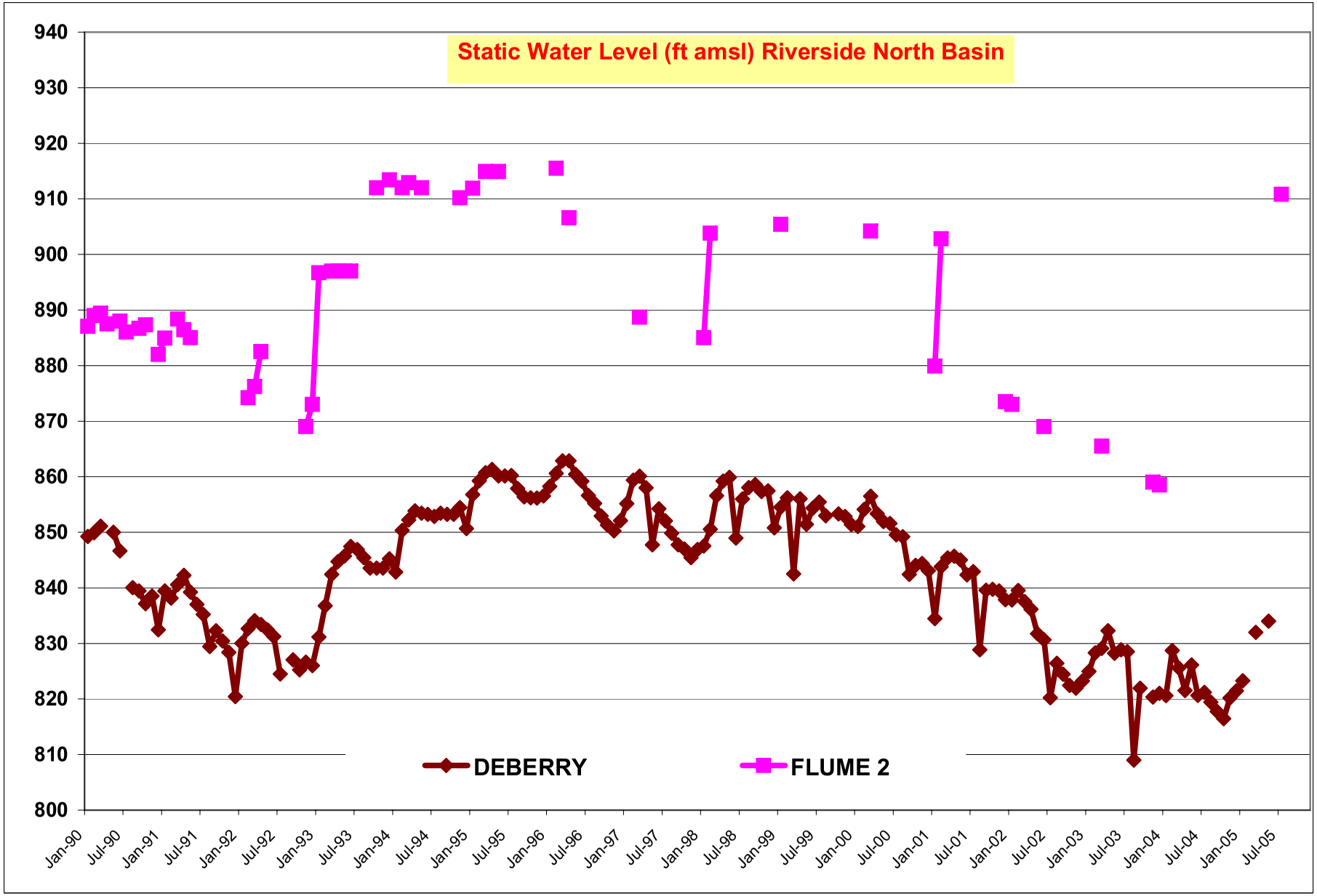


Data source: GeoTrans. 2003. Riverside Groundwater Basin Study Report Project Agreement 16 - Phase 2.

APPENDIX B.14

Average monthly static water level (ft amsl)
of selected RPU wells in Riverside North Groundwater Basin

Appendix B.14



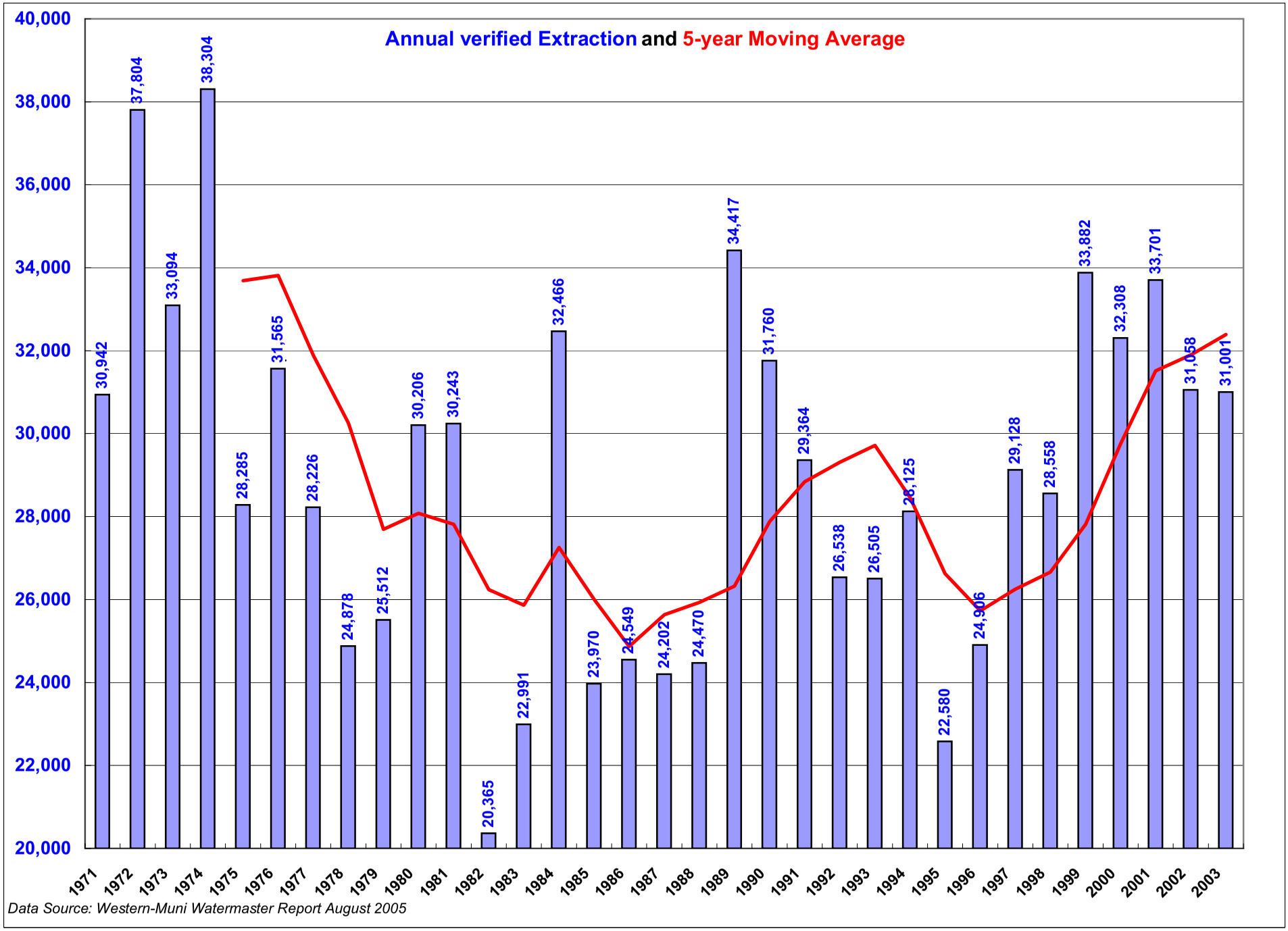
Reference elevations are 976 feet amsl and 932 feet amsl for Deberry and Flume well respectively.

APPENDIX B.15

Annual Production from Riverside South Groundwater Basin

Appendix B.15

Annual Production (acre-feet) from Riverside South Groundwater Basin.



Data Source: Western-Muni Watermaster Report August 2005

APPENDIX B.16

Average monthly static water level (ft amsl)

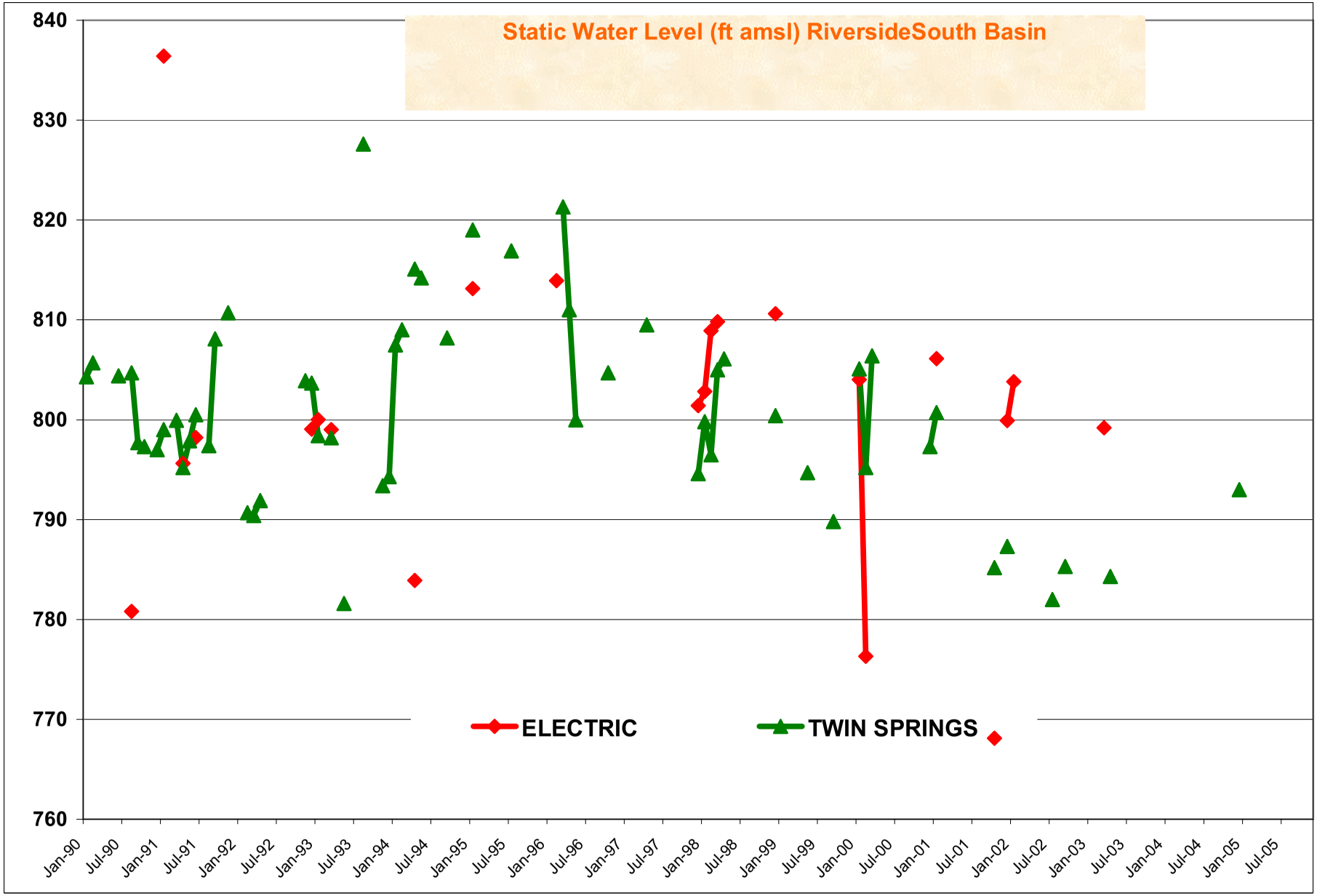
of

selected RPU wells

in

Riverside South Groundwater Basin

Appendix B.16



Reference elevations are 883 feet amsl and 836 feet amsl for Electric and Twin Springs wells respectively