

ATTACHMENT A

Resolution No. R8-2012-0002

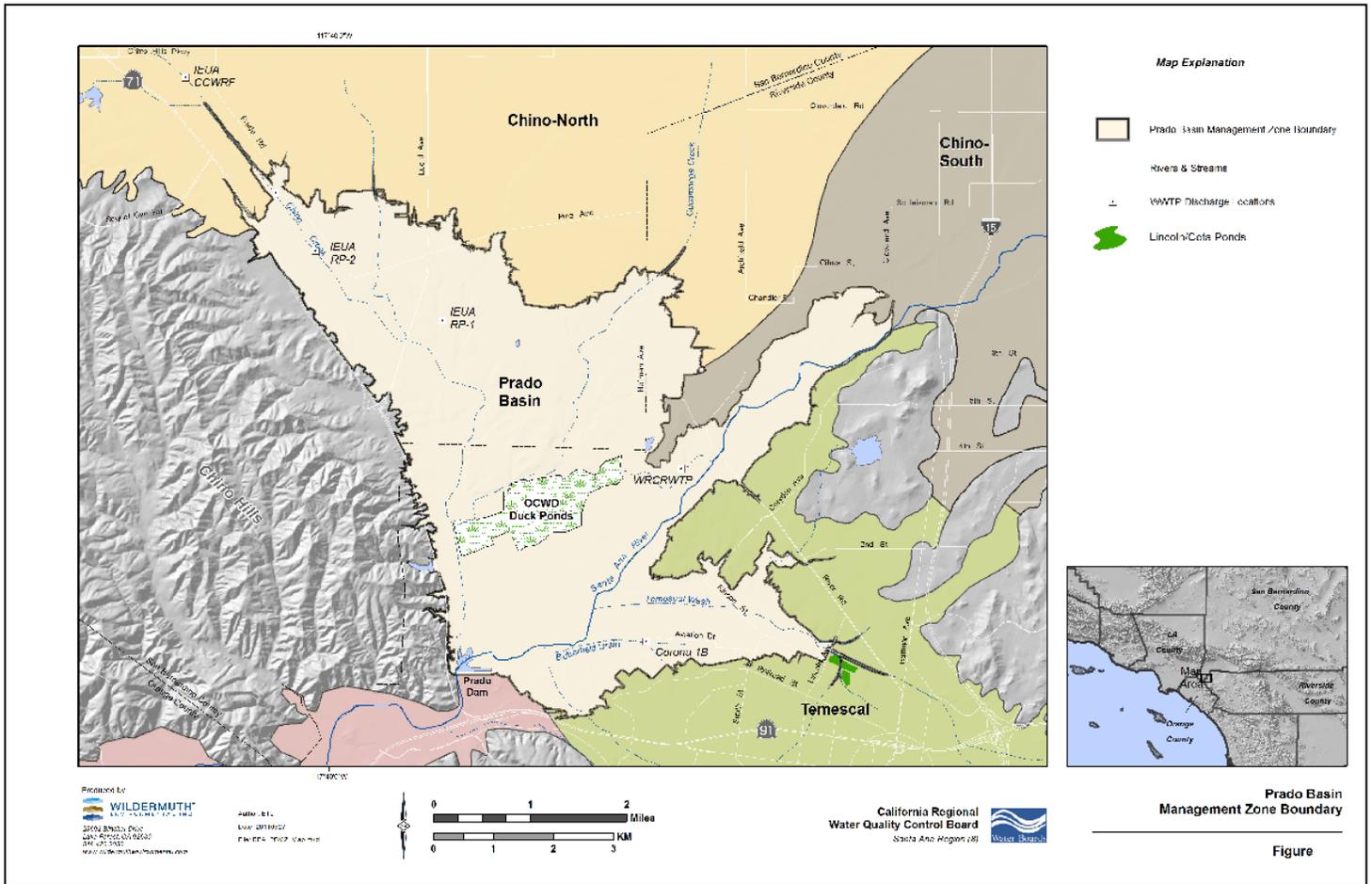
To be submitted at a later date

draft

ATTACHMENT TO RESOLUTION NO. R8-2012-0002

Chapter 3, "Beneficial Uses"

Page 3-11, Figure 3-2; Prado Basin Management Zone Boundaries



Prado Basin Management Zone Boundary

Figure

Chapter 5, "Implementation"

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V. Salt Management Plan – Monitoring Program Requirements

A. Surface Water Monitoring Program Requirements for TDS and Nitrogen

2. By August 1st of each year, the Orange County Water District, Inland Empire Utilities Agency, City of Riverside, City of Corona, Elsinore Valley Municipal Water District, Eastern Municipal Water District, Lee Lake Water District, City of Colton, City of San Bernardino Municipal Water Department, Jurupa Community Services District, Western Riverside County Wastewater Agency, Yucaipa Valley Water District, City of Beaumont, and the City of Rialto, shall submit an annual report of Santa Ana River, Reach 2 , 4 and 5 water quality. Data evaluated shall include that collected by the Santa Ana River Watermaster, Orange County Water District, and the US Geologic Survey, at a minimum.

In lieu of this coordinated annual report, one or more of the parties identified in the preceding paragraph may submit an individual or group annual report. Any such individual or group report shall also be submitted by August 15th of each year.

Additional surface water monitoring programs may be specified by the Regional Board depending upon watershed conditions, waste discharge specifications and/or any special studies related to TDS and nitrogen.

B. Groundwater Monitoring Program for TDS and Nitrogen

Implementation of a watershed-wide TDS/nitrogen groundwater monitoring program is necessary to assess current water quality, to determine whether TDS and nitrate-nitrogen water quality objectives for management zones are being met or exceeded, and to update assimilative capacity findings. Groundwater monitoring is also needed to fill data gaps for those management zones with insufficient data to calculate TDS and nitrate-nitrogen historical quality and current quality. Finally, groundwater monitoring is needed to assess the effects of POTW discharges to surface waters on affected groundwater management zones.

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VI. Maximum Benefit Implementation Plans for Salt Management

A. Salt Management - Chino Basin and Cucamonga Basin

Table 5-8a
Chino Basin Maximum Benefit Commitments
(revised in 2012; see text)

Description of Commitment	Compliance Date – as soon as possible, but no later than
<p>1. Surface Water Monitoring Program</p> <ul style="list-style-type: none"> a. Submit Draft Monitoring Program to Regional Board b. Implement Monitoring Program c. Submit Draft Revised Monitoring Program to Regional Board d. Implement Revised Monitoring Program e. Submit Draft Revised Monitoring Program(s) (subsequent to that required in “c”, above) to Regional Board f. Implement Revised Monitoring Program (s) g. Annual data report submittal 	<ul style="list-style-type: none"> a. January 23, 2005 b. Within 30 days from date of Regional Board approval of monitoring plan c. (**15 days from BPA approval) d. Upon Regional Board approval e. Upon notification of the need to do so from the Regional Board Executive Officer and in accordance with the schedule prescribed by the Executive Officer f. Upon Regional Board approval g. April 15th
<p>2. Groundwater Monitoring Program</p> <ul style="list-style-type: none"> a. Submit Draft Monitoring Program to Regional Board b. Implement Monitoring Program c. Plan and schedule for demonstrating hydraulic control d. Implement hydraulic control demonstration plan and schedule e. Submit Draft Revised Monitoring Program(s) (subsequent to that required in “a”, above) to Regional Board f. Implement revised monitoring plan(s) g. Annual data report submittal 	<ul style="list-style-type: none"> a. January 23, 2005 b. Within 30 days from date of Regional Board approval of monitoring plan c. By December 31, 2013. d. Upon Regional Board approval. e. Upon notification of the need to do so from the Regional Board Executive Officer and in accordance with the schedule prescribed by the Executive Officer f. Upon Regional Board approval g. April 15th
<p>3. Chino Desalters</p> <ul style="list-style-type: none"> a. Chino 1 desalter expansion to 10 MGD b. Chino 2 desalter at 10 MGD design 	<ul style="list-style-type: none"> a. Prior to recharge of recycled water b. Recharge of recycled water allowed once award of contract and notice to proceed issued for construction of desalter treatment plant
<p>4. Future desalters plan and schedule submittal</p>	<p>October 1, 2005 Implement plan and schedule upon Regional Board approval</p>

Table 5-8a
Chino Basin Maximum Benefit Commitments
(revised in 2012; see text)

Description of Commitment	Compliance Date – as soon as possible, but no later than
5. Recharge facilities (17) built and in operation	June 30, 2005
6. IEUA wastewater quality improvement plan and schedule submittal	60 days after agency-wide 12 month running average effluent TDS quality equals or exceeds 545 mg/L for 3 consecutive months or agency-wide 12 month running average TIN equals or exceeds 8 mg/L in any month. Implement plan and schedule upon approval by Regional Board
<p>7. Recycled water will be blended with other recharge sources so that the 5-year running average TDS and nitrate-nitrogen concentrations of water recharged are equal to or less than the “maximum benefit” water quality objectives for the affected Management Zone (Chino North or Cucamonga).</p> <p>a. Submit a report that documents the location, amount of recharge, and TDS and nitrogen quality of stormwater recharge before the OBMP recharge improvements were constructed and what is projected to occur after the recharge improvements are completed</p> <p>b. Submit documentation of amount, TDS and nitrogen quality of all sources of recharge and recharge locations. For stormwater recharge used for blending, submit documentation that the recharge is the result of CBW/IEUA enhanced recharge facilities.</p>	<p>Compliance must be achieved by end of 5th year after initiation of recycled water recharge operations.</p> <p>a. Prior to initiation of recycled water recharge</p> <p>b. Annually, by April 15th, after initiation of construction of basins/other facilities to support enhanced stormwater recharge.</p>
<p>8. Hydraulic Control Failure</p> <p>a. Plan and schedule to correct loss of hydraulic control</p> <p>b. Achievement and maintenance of hydraulic control</p> <p>c. Mitigation plan for temporary failure to achieve/maintain hydraulic control</p>	<p>a. 60 days from Regional Board finding that hydraulic control is not being maintained</p> <p>b. In accordance with plan and schedule approved by Regional Board. The schedule shall assure that hydraulic control is achieved as soon as possible</p> <p>c. By January 23, 2005. Implement plan upon Regional Board determination that hydraulic control is not being maintained (<u>see text</u>).</p>
9. Ambient groundwater quality determination	July 1, 2005 and every 3 years thereafter

Description of Chino Basin Watermaster and Inland Empire Utilities Agency Commitments

1. Surface Water Monitoring Program (Table 5-8a #1)

In conjunction with the Groundwater Monitoring Program (see #2, below), the purpose of the surface water monitoring program is to collect the data necessary to demonstrate whether hydraulic control of the Chino Basin (see #8, below) is being achieved and maintained. A surface water monitoring program was developed, approved and implemented in response to the maximum benefit commitments initially incorporated in the Basin Plan in 2004 (Resolution No. R8-2004-0001). The Regional Board approved the Surface Water Monitoring Program in 2005 (R8-2005-0064). Subsequently, the need to revise the monitoring program, and other elements of the maximum benefit commitments (see below), was recognized and appropriate amendments were adopted in 2012 (Resolution No. R8-2012-0002). These include the requirement that by (**15 days from approval of the BPA**), the Watermaster shall submit a revised surface water monitoring program to the Regional Board for approval. The monitoring program must be implemented upon Regional Board approval.

It is expected that the monitoring program will be reviewed as it is implemented over time, and that further updates may be necessary. Accordingly, the Basin Plan requires that draft revised monitoring programs be submitted upon notification by the Regional Board's Executive Officer of the need to do so. The schedule for the submittal will be prescribed by the Executive Officer. Any such revision to the monitoring program is subject to Regional Board approval at a duly noticed public hearing and is to be implemented upon Regional Board approval.

An annual report summarizing all data collected for the year and evaluating compliance with relevant surface water objectives shall be submitted by April 15th of each year.

2. Groundwater Monitoring Program (Table 5-8a, #2)

The purpose of the Groundwater Monitoring Program is to (1) identify potential impacts from implementation of the Chino Basin "maximum benefit" water quality objectives on water levels and water quality within the Chino Basin and in downgradient basins and (2) in conjunction with the surface water monitoring program, determine whether hydraulic control (see # 8, below) is being achieved and maintained. In response to requirements established in 2004 (Resolution No. R80 2004-0001), a proposed groundwater monitoring program was submitted. In 2005, the Regional Board approved a groundwater monitoring program to determine hydraulic control and ambient water quality in the Chino North and Cucamonga Management Zones (Resolution No. R8-2005-0064). The groundwater monitoring program has been ongoing since 2005.

As noted above, the maximum benefit requirements were revised in 2012. Pursuant to these revisions, no later than December 31, 2013, the Watermaster and IEUA shall prepare an updated proposed groundwater monitoring program that includes a proposed plan and schedule for demonstration of hydraulic control. This plan shall be implemented upon Regional Board approval.

It is expected that the monitoring program will be reviewed as it is implemented over time, and that further updates may be necessary. Accordingly, the Basin Plan requires that draft

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revised monitoring programs be submitted upon notification by the Regional Board's Executive Officer of the need to do so. The schedule for the submittal will be prescribed by the Executive Officer. Any such revision to the monitoring program is subject to Regional Board approval at a duly noticed public hearing and is to be implemented upon Regional Board approval.

An annual report, including all raw data and summarizing the results of the approved groundwater monitoring program, shall be submitted to the Regional Board by April 15th of each year.

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8. Hydraulic Control (Table 5-8a, # 8)

“Hydraulic Control” is defined as eliminating groundwater discharge from the Chino Basin to the Santa Ana River, or controlling the discharge to *de minimis* levels. The surface water and groundwater monitoring programs described above are intended to demonstrate whether hydraulic control is achieved and maintained. In the event that the Regional Board finds that hydraulic control is not being accomplished, the Watermaster is required to submit to the Regional Board within 60 days of that finding a plan and time schedule to correct the failure to achieve and maintain hydraulic control. This plan must be implemented as soon as possible.

In response to a 2010 finding that hydraulic control was not being achieved, Watermaster and IEUA implemented an approved corrective action and mitigation plan and schedule. Additional plans and schedules to address hydraulic control deficiencies will be required if and as there are future Regional Board findings that hydraulic control is not being achieved or maintained.