

## Revised Attachment A to Resolution No. R15-004

### PROPOSED CHANGES TO BASIN PLAN

The following language will be added to Chapter 3, Water Quality Objectives of the Basin Plan:

Add new rows to the table “Site-specific Water-Effect Ratios for Copper”. Changes are shown in underline text:

**Site-specific Water-Effect Ratios for Copper**

<b>Waterbody Name</b>	<b>Reach Name</b>	<b>Description of Reach/Area</b>	<b>Water-Effect Ratio</b>
Mugu Lagoon	Reach 1	Lagoon fed by Calleguas Creek	1.51
Lower Calleguas Creek	Reach 2	Downstream (south) of Potrero Road to the lagoon	3.69
<u>Los Angeles River</u>	<u>Reaches 1-4</u>	<u>From Estuary to Sepulveda Dam</u>	<u>3.97</u>
<u>Tujunga Wash</u>	<u>N/A</u>	<u>From confluence with Los Angeles River Reach 4 to Hansen Flood Control Basin</u>	<u>8.28</u>
<u>Verdugo Wash</u>	<u>Reaches 1 and 2</u>	<u>From confluence with Los Angeles River Reach 3 to Verdugo Road at Towne Street above Verdugo Road at Towne Street</u>	<u>2.18</u>
<u>Burbank Western Channel</u>	<u>N/A</u>	<u>Burbank Western Channel</u>	<u>4.75</u>
<u>Arroyo Seco</u>	<u>Reaches 1 and 2</u>	<u>From confluence with Los Angeles River Reach 2 to Holly Street Devil’s Gate Dam</u>	<u>1.32</u>
<u>Compton Creek</u>	<u>N/A</u>	<u>N/A</u>	<u>3.36</u>
<u>Rio Hondo</u>	<u>Reaches 1 and 2</u>	<u>From confluence with Los Angeles River Reach 2 to Santa Ana-Freeway Whittier Narrows Dam</u>	<u>9.69</u>

Add new “Lead” heading and paragraph under section heading *Priority Pollutants*. Changes are shown in underline text:

#### Lead

For the Los Angeles River and its tributaries, the dissolved lead water quality objectives (in µg/L) are as follows<sup>1</sup>:

Acute (short-term) Lead Water Quality Objective Equation  

$$\text{Dissolved} = \frac{(1.46203 - \ln(\text{hardness}) * 0.145712) * e^{1.466 * \ln(\text{hardness}) - 1.882}}{e^{1.466 * \ln(\text{hardness}) - 3.649}}$$

Chronic (4-day average) Lead Water Quality Objective Equation  

$$\text{Dissolved} = \frac{(1.46203 - \ln(\text{hardness}) * 0.145712) * e^{1.466 * \ln(\text{hardness}) - 3.649}}{e^{1.466 * \ln(\text{hardness}) - 1.882}}$$

<sup>1</sup> The dissolved lead water quality objectives for the Los Angeles River and its tributaries are based on a recalculation of the water quality objectives established in 40 C.F.R. § 131.38 using the US EPA Recalculation Procedure (US EPA 1994, 1997).