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I-710 Corridor Project EIR/EIS

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# Water Quality Assessment Overview

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# The Water Quality Assessment Process

- Define the Existing Project
  - Existing watershed conditions
- Determine Potential Discharge Points
- Analyze Existing Basin Plan, Local MS4 Permitting Requirements
- Evaluate Discharges using Caltrans/Water Board Water Quality Assessment Criteria
- Prepare Mitigation/Enhancement Measures

# Identify Existing Water Quality Criteria

- Describe project influences in terms of flow and pollutants
- Determine cumulative effects
- Determine locations of potential discharge points

# LA Basin Watershed Criteria

## LA Basin Plan

*3 sub-watersheds mapped within project limits.*

Focused pollutants are defined by the Water Board and on-going Total Maximum Daily Loads (TMDLs) revisions

*On-going revisions to TMDLs will need to be considered.*

## Determine discharge points

*Delta in pre- and post- construction flows are determined. The delta in flows (2 yr, 10 yr events) are used in analysis*

# Key Water Quality Criteria

- Current water quality listed pollutants within the affected Los Angeles River Basin area:

Ammonia

Bioaccumulation Toxic

Biochemical Oxygen Demand (BOD)

Chlorine

Exotic Vegetation

Dissolved Oxygen Waters

Nitrogen

PCBs

Suspended Solids

Tastes and Odors

Toxicity

Bacteria

Biostimulatory Substances

Chemical Constituents

Color

Floating Material

MBAS

Oil and Grease

Pesticides Waters

Settleable Materials

Temperature

Turbidity

# Los Angeles River TMDLs

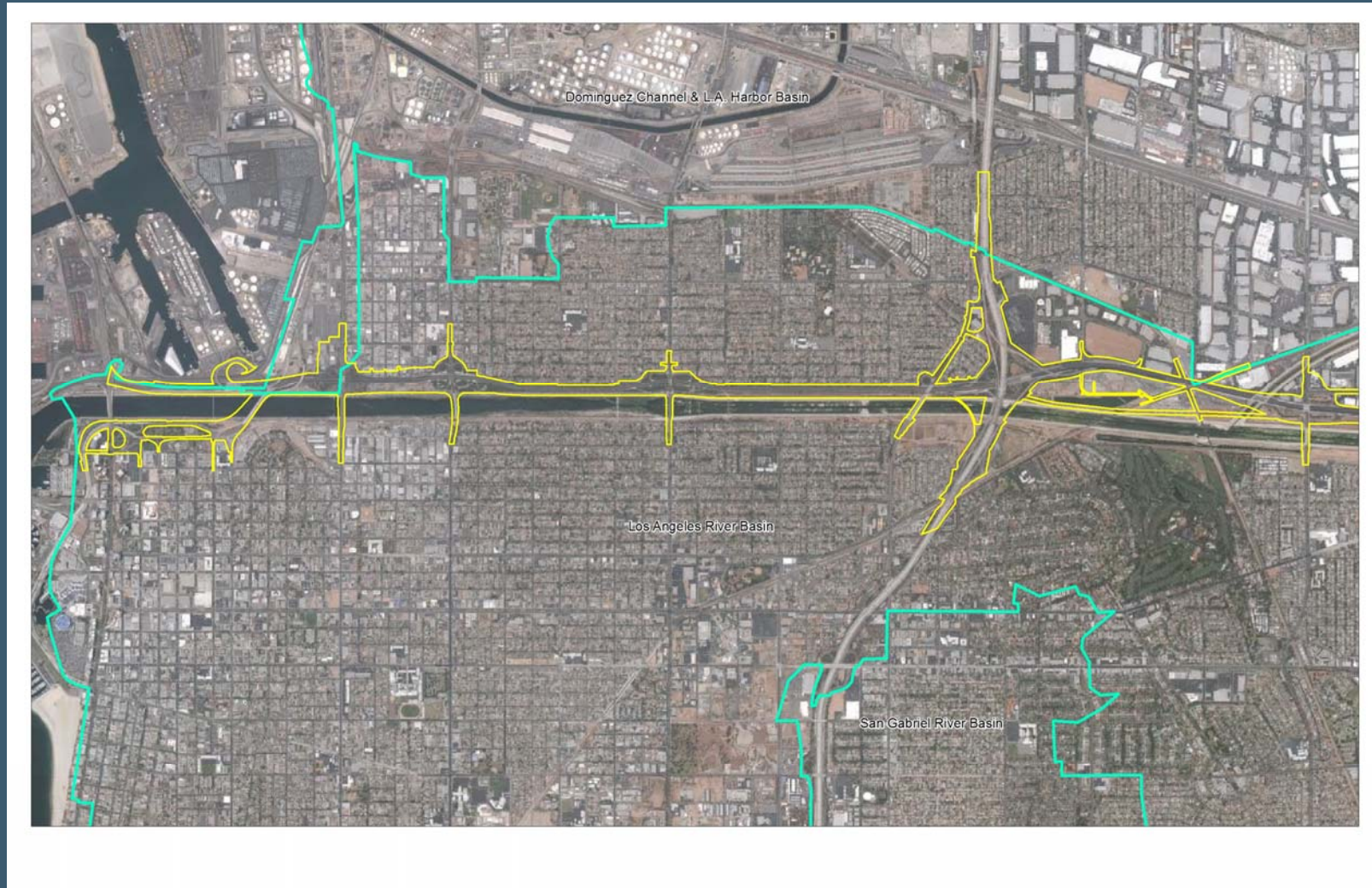
Current listing of TMDLs (2006) listing – includes those in process for approval

Ammonia*	Cadmium *
Chlordane	Coliform Bacteria*
Copper, Dissolved*	Diazinon
DDT (sediment)	Lead*
Nutrients (Algae)*	Oil
PCBs	pH*
Sediment Toxicity	Trash*
Zinc, Dissolved/Sediment*	

(\*) denotes an approved TMDL listing. Others are to be completed by 2019.

The Study will also use the Caltrans Statewide Highway Facilities Stormwater Runoff Characterization Studies Data to delineate probable pollutants from the Project.

# Project Sub-watershed Map



# Next Steps

- Complete Draft Water Quality Assessment Report (January 2010)
- Review preliminary findings and develop avoidance, minimization, mitigation, and enhancement measures (Early 2010)
- Complete Final Water Quality Assessment (Spring 2010)
- Integrate Water Quality Assessment findings and recommendations into the Draft EIR/EIS (Released Fall 2010)