

# 2009 Working Se TMDL Documents Load/Wasteload Allocations

Regional Water Quality Control Board  
Santa Ana Region



January 15, 2014  
Workshop

# Purpose

- Review proposed approach to specifying wasteload and load allocations to implement the TMDLs

# 2009 Draft Allocations Approach

Like TMDLs, concentration-based:

- CTR
- Water column guidelines:
  - TMDLs based on range of WCGs (Table 11-2)
    - San Diego Creek: 5-13  $\mu\text{g Se/L}$
    - Big Canyon Wash: 0.9-1.4  $\mu\text{g Se/L}$
  - Allocations use a different approach

# WCGs as Allocations:

- Upper end of range of WCGs set as initial final allocations:
  - **13  $\mu\text{g Se/L}$** : San Diego Creek subwatershed
    - (including IRWD & UCI wetlands, Santa Ana-Delhi channel subwatershed)
  - **1  $\mu\text{g Se/L}$** : Big Canyon Wash

Table 11-3. Final Waste Load Allocations  
as a Semi-Annual Arithmetic Mean

Point Sources	CTR-Based Allocation (ug/L) <sup>b, i, j</sup>	SSO-Based Allocation (ug/L) <sup>b, c, d, e, f, g, h, i, j</sup>	
		Newport Bay Watershed	Big Canyon Wash
Urban Runoff <sup>k</sup>			
GW Long-term Dewatering			
GW Short-term Dewatering			
GW Clean-up (Long Term)	5	13	1
GW Clean-up (Short Term/ Mobile Systems)			
Nursery Operations			

Table 11-5 Final Load Allocations as a Semi-Annual Arithmetic Mean

Nonpoint Source	CTR-based Allocation (ug/L) <sup>b, g, i</sup>	SSO-based Allocation (ug/L) <sup>b, c, d, e, f, g, h, i</sup>	
		Newport Bay Watershed	Big Canyon Wash
Agricultural Discharges			
Open Space	5	13	1
Rising Groundwater			

# 2009 Draft Allocations Approach

- Apply year-round during dry weather flow conditions:
  - ≤ 23 cfs (San Diego Creek at Campus Drive)
- Allocations to be achieved as soon as possible but no later than 15 years from TMDL effective date
- Upon SSO approval, SSO (WCG)-based allocations will supercede CTR-based allocations



# 2009 Draft Allocations Approach

- Semi-annual arithmetic mean:
  - April 1 through September 30
  - October 1 through March 31
- Wasteload allocation assessment:
  - In receiving water for members of Cooperative Watershed Program
  - At end-of-pipe for Individual Action Plan dischargers
- Load allocation assessment:
  - In receiving water

# Comments/Considerations

- Start allocations at lower end of range of WCGs, not upper end
- If use upper end of range of WCGs initially, include interim milestones & specify final allocations

# Comments/Considerations

- Allocation adjustment options (w/out BPA) considered:
  - Specify biodynamic model as allocations
  - Specify range of WCGs as allocations based on biodynamic model
    - Conduct BPA process only for changes to model that result in WCGs/allocations outside range first identified
    - CEQA evaluation for draft BPA considered full range