Watershed Urban Runoff Management Programs
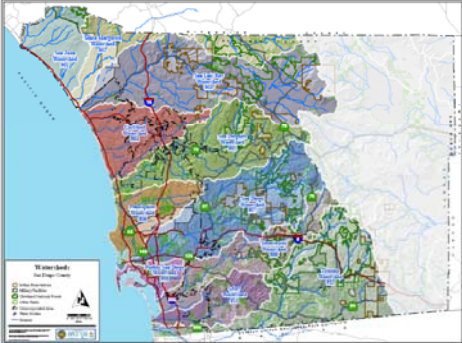

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WURMP Overview

- The Municipal Stormwater Permit requires Copermittees sharing a common watershed to collaborate on programs that address priority water quality issues within that watershed.
- WURMPs were first developed in 2003.
- WURMPs supplement the JURMPs, which only apply within jurisdictional boundaries.
- Focus on water quality problems <u>partially or fully attributable to MS4 discharges</u>

San Diego County Watersheds

WURMP Lead Agencies

- Santa Margarita: County of San Diego
- San Luis Rey: City of Oceanside
- Carlsbad: City of Carlsbad
- San Dieguito: City of Escondido
- Los Penasquitos: City of Poway
- Mission Bay: City of San Diego
- San Diego River: City of El Cajon
- San Diego Bay: Port of San Diego
- Tijuana River: County of San Diego

Major WURMP Components

- Watershed Water Quality Assessment
  - Annual assessment of receiving water quality
  - Determine which receiving water issues are partially or fully attributable to MS4 discharges
  - Prioritization of water quality problems for action
- Pollutant Source Identification
  - Identification of the sources likely to be causing the watershed's highest priority water quality problems
- Activity Selection, Implementation, & Assessment
  - Flexible, but must show measurable results (reduction in pollutant loading and/or abatement of pollutant sources)

WURMP Activity Types

- Watershed Water Quality Activities
  - Pollutant Source Abatement
  - Pollutant Load Reduction
- Watershed Education Activities

Compliance Credit

- Watershed Monitoring
- Pollutant Source ID
- Planning

No Credit

WURMP Activity Examples

Modified JURMP Activities
- Ramp up inspection and enforcement in areas of concern in the watershed
- Intensify street sweeping in areas where heavy metals are a priority water quality problem
- Retrofit municipal facilities with low impact development BMPs in priority areas
- Insert storm drain filters at priority locations

WURMP Activity Examples

Collaborative Watershed Activities
- Joint funding of water quality monitoring or source identification studies to identify pollutant sources
- Joint planning and funding of educational workshops targeting a key pollutant source or group of sources
- Joint sponsorship of watershed cleanup events

WURMP Activity Examples

Demonstration Projects
- Test BMP technologies at strategic locations in the watershed
- Compare effectiveness and cost efficiency of different approaches to the same problem

Total Maximum Daily Loads

A TMDL is a calculation of the maximum amount of a pollutant a water body can receive and still safely meet water quality standards.

TMDLs are adopted for water bodies where water quality standards are not expected to be met through implementation of discharge permits alone.

All 303(d) listings are candidates for TMDLs.

Total Maximum Daily Loads

Adopted TMDLs
- Rainbow Creek: Nitrogen & Phosphorous
- Chollas Creek: Diazinon, Dissolved Metals
- Shelter Island Yacht Basin: Dissolved Copper

Total Maximum Daily Loads

TMDLs Awaiting Adoption
- **BACTERIA PROJECT I – Beaches & Creeks**
  - San Luis Rey River Mouth
  - Moonlight State Beach
  - San Dieguito Lagoon Mouth
  - Torrey Pines State Beach at Del Mar
  - 13 locations, including Pacific Beach, La Jolla, Windansea
  - Tecolote Creek
  - Forrester Creek
  - Lower San Diego River
  - San Diego River Mouth
  - Chollas Creek
- **BACTERIA PROJECT II**
  - San Diego Bay

Total Maximum Daily Loads

TMDLs Under Development

- Agua Hedionda Lagoon: Sedimentation & Bacteria (June 2010 target date)

- Los Penasquitos Lagoon: Sedimentation (June 2010 target date)

- Tijuana River Estuary: Trash and Sedimentation

Opportunities for Collaboration

- Dual benefit projects
  - Stormwater capture and reuse
  - Outdoor conservation, Runoff reduction
  - Protection of drinking water sources
- Align with WURMP/TMDL priorities
  - Leverage Copermittee resources
- Work through potential areas of conflict
  - Recycled water's potential impact on runoff quality

Questions?

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