

Amendments to Statewide Water Quality Control Plans to Control for Trash

Johanna Weston

Ocean Standards Unit, Division of Water Quality

State Water Resources Control Board

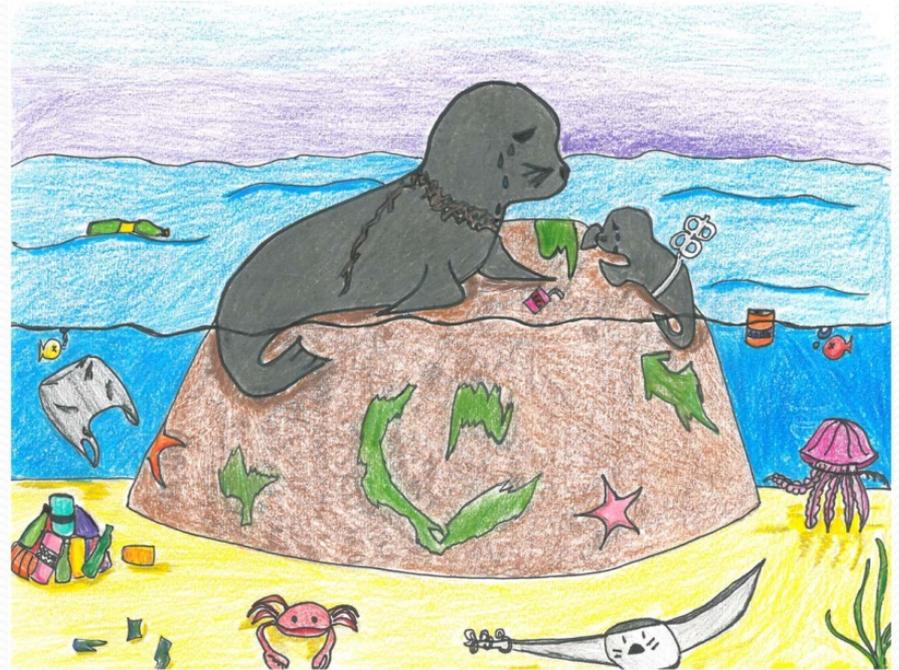


California Water Quality
Monitoring Council
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Trash

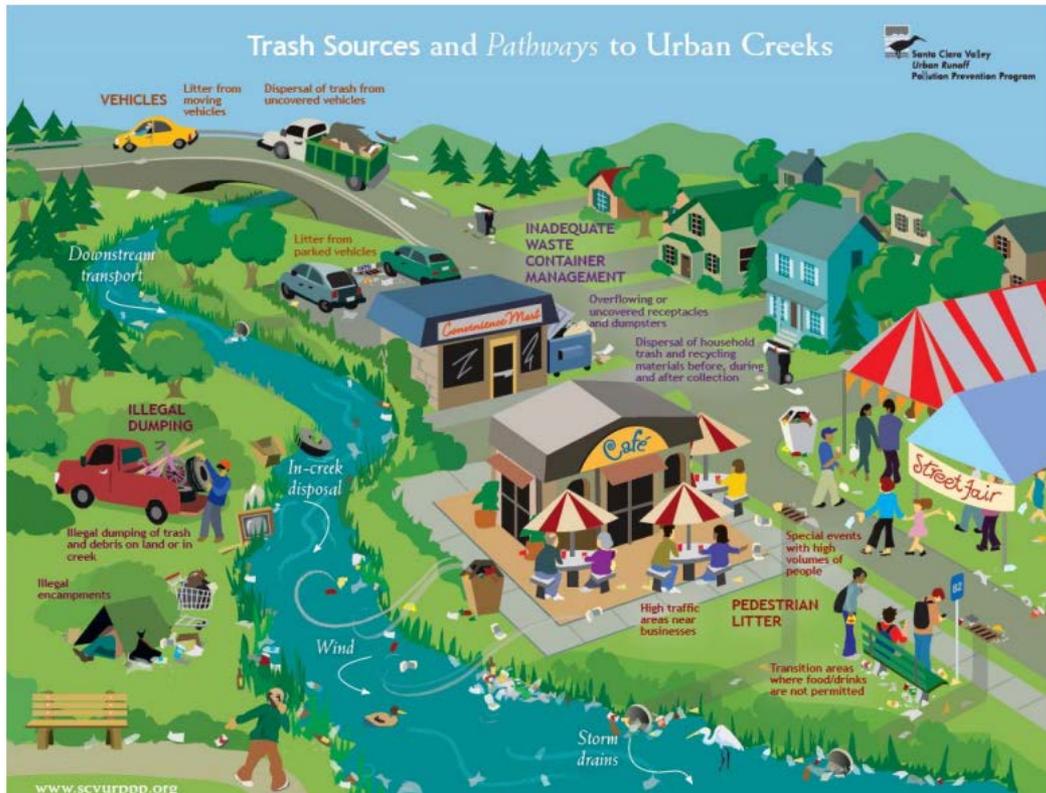
- Injures wildlife through ingestion and entanglement.
- Disperses invasive species.
- Endangers public health.
- Causes damage to shipping vessels.
- Concentrates toxic pollutants.
- Decreases aesthetics.



NOAA Marine Debris Art Contest 2012-2013

Maylina D.
8th Grade, Florida

Sources of Trash



- Littering
- Dumping
- Vehicles
- Inadequate waste management containers
- Transport through storm water to surface waters

Current Regulations

- Trash pollution is a pervasive issue impairing the beneficial uses of California's surface waters.
- No statewide water quality objective and consistency for "trash".
- 73 section 303(d) listings and 16 Total Maximum Daily Loads (TMDL) approved.
 - e.g. Los Angeles River Watershed



Proposed Trash Amendments

- Applicability
- Water Quality Objective
- Prohibition of Discharge
- Implementation Provisions
- Time Schedule
- Time Extension (proposed for Board consideration)
- Monitoring and Reporting

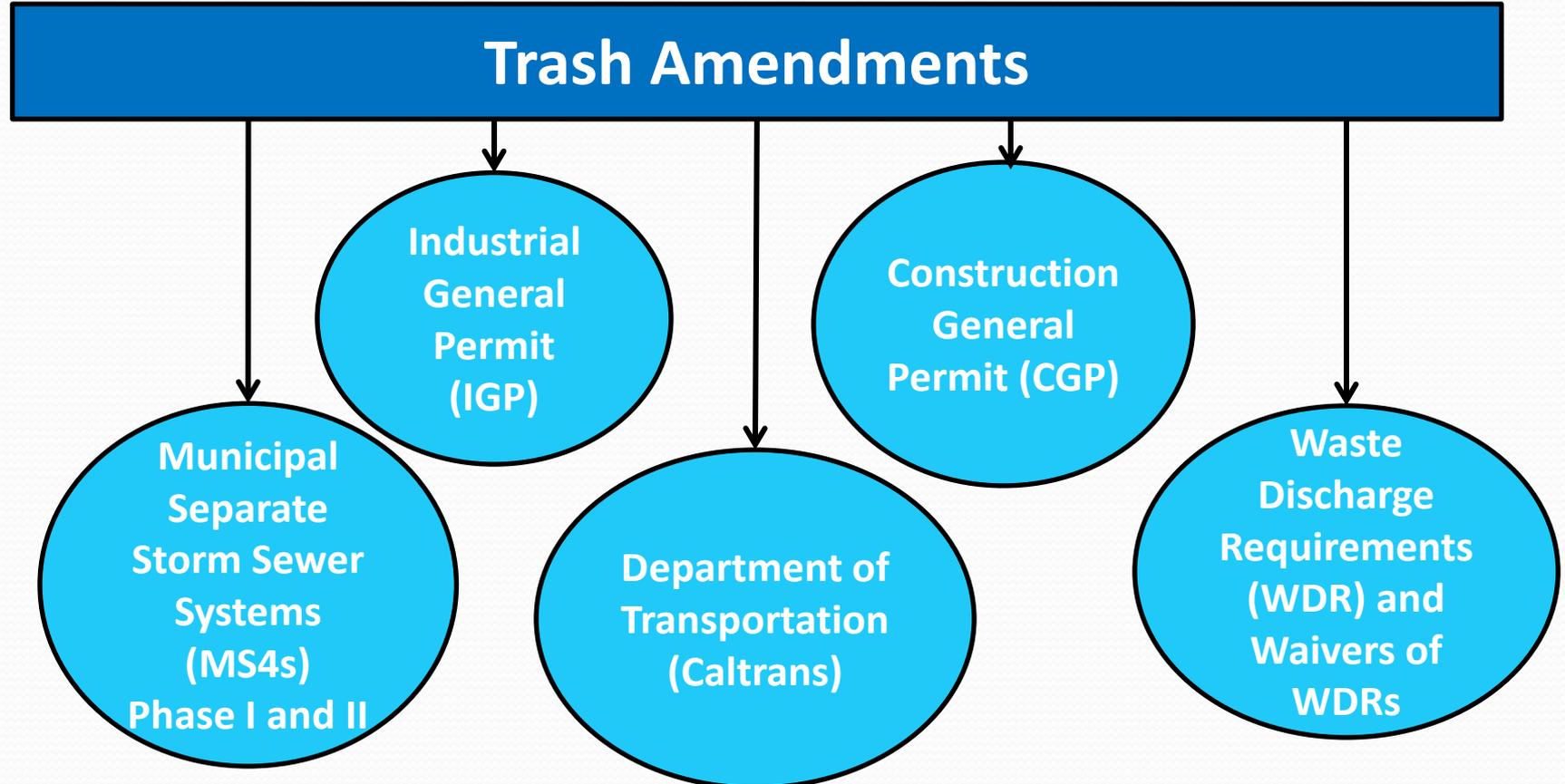


California Coastal Commission
2013 Coastal Art & Poetry Contest
Leo Yang
9th Grade

Applicability

All Surface Waters

- Exception for those waters within the jurisdiction of the Los Angeles Water Board with trash or debris TMDLs



Narrative

Water Quality Objective

Trash shall not accumulate in surface waters, along shorelines or adjacent areas in amounts that adversely affect beneficial uses or cause nuisance.



NOAA Marine Debris Program

Prohibition of Discharge

- Trash to surface waters of the State.
 - Requirements present in NDPES permits, WDRs, and Waivers of WDRs.
- Preproduction plastics to surface waters of the State.



Trash Control Mechanisms

- Treatment Controls
- Institutional Source Controls
- Regulatory Source Controls
- Multiple Benefit Projects

Connector Pipe Screen



Vortex Separator System
www.cdstech.com

Street Sweeping
Center for Watershed Protection



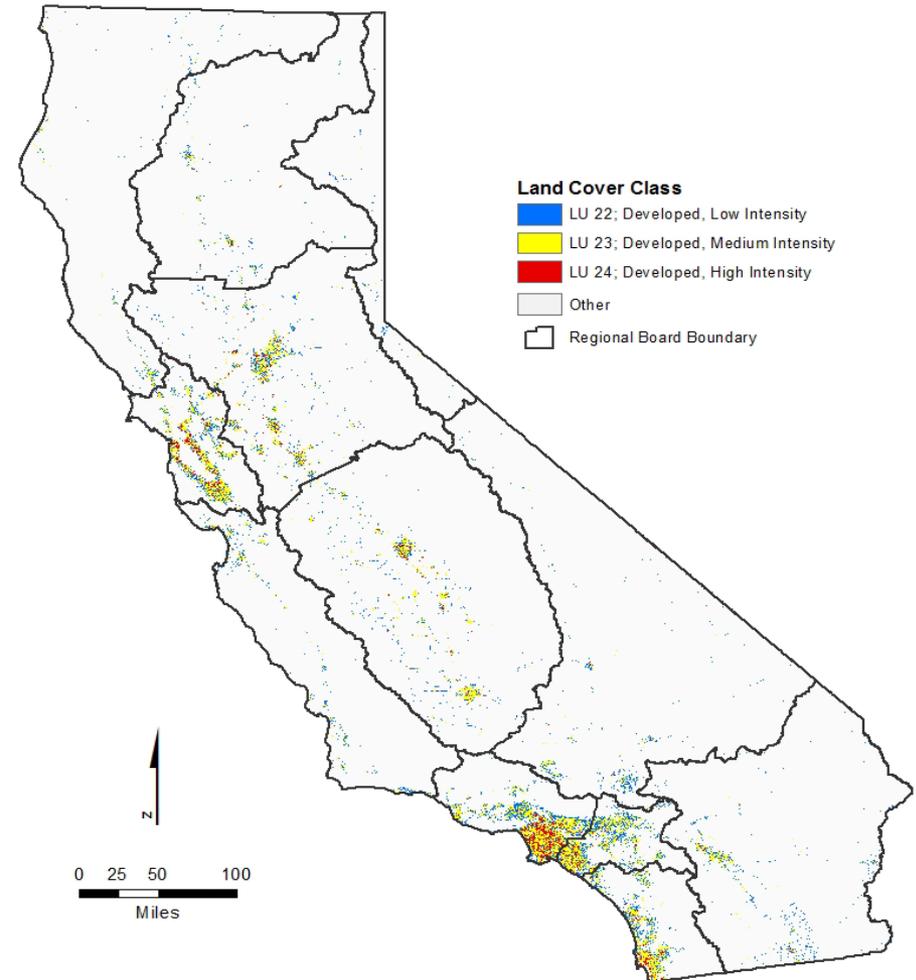
Retractable Inlet Screens
City of Los Angeles Stormwater Program



Caltrans - Don't Trash California

Cut Off the Source to the Sea

- Permitted Storm Water Dischargers.
- Focus trash controls to locations with high trash generation rates.
 - Priority Land Uses – For MS4 Phase I and Phase II
 - Significant Trash Generating Areas – For Caltrans
- Dual alternative compliance approach or “Tracks”.



Implementation Provisions

MS4 Phase I and Phase II

- **Track 1:** Install, operate and maintain full capture systems in storm drains that capture runoff from one or more of the priority land uses.

Or

- **Track 2:** Implement a plan with any combination of treatment controls, institutional controls, and/or multi-benefit projects within the jurisdiction of the MS4 permittee with same performance results of Track 1.



Implementation Provisions

Caltrans

- Implement a plan in the significant trash generating areas a combination of full capture systems, institutional controls, and/or multi-benefit projects.
- Coordinate with neighboring MS4 permittees.



Implementation Provisions

IGP and CGP

- Eliminate all trash from storm water. If deemed unable, then:
- **Track 1:** Install, operate and maintain full capture systems all storm drains that capture runoff from the facility or site.

Or

- **Track 2:** Implement a plan with any combination of treatment controls, institutional controls, and/or multi-benefit projects for the entire facility or site with same performance results of Track 1.

Time Schedule

MS4 Phase I, MS4 Phase II, and Caltrans

- Compliance: 10 years of the effective date of the first implementing permit, but no later than 15 years of Trash Amendments.

IGP and CGP

- Compliance: Deadlines specified in the first implementing permit.

Time Extension (Board Consideration)

- Up to 3 years time extension for regulatory sources controls.
- Each regulatory source control is eligible for up to 1 years time extension.



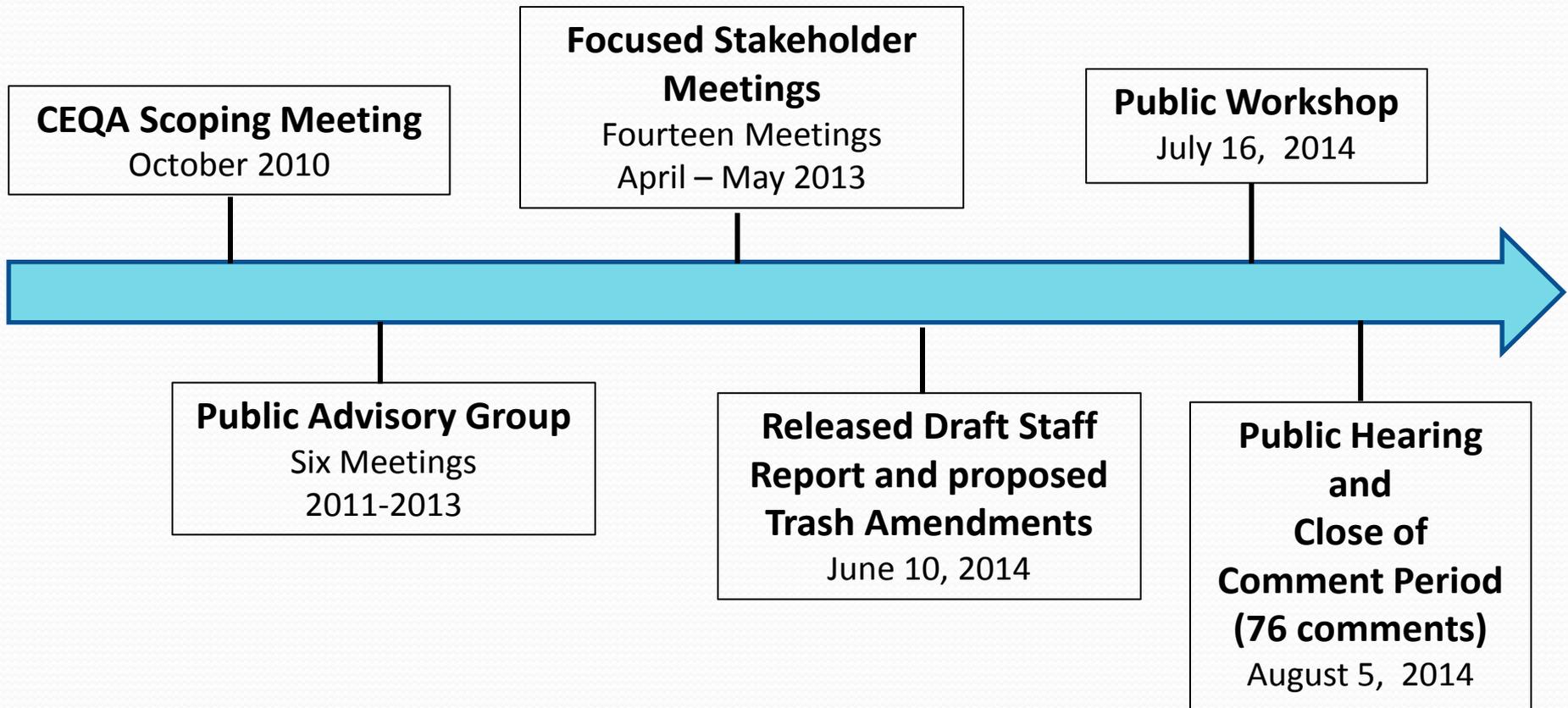
NOAA Marine Debris Program

Monitoring and Reporting

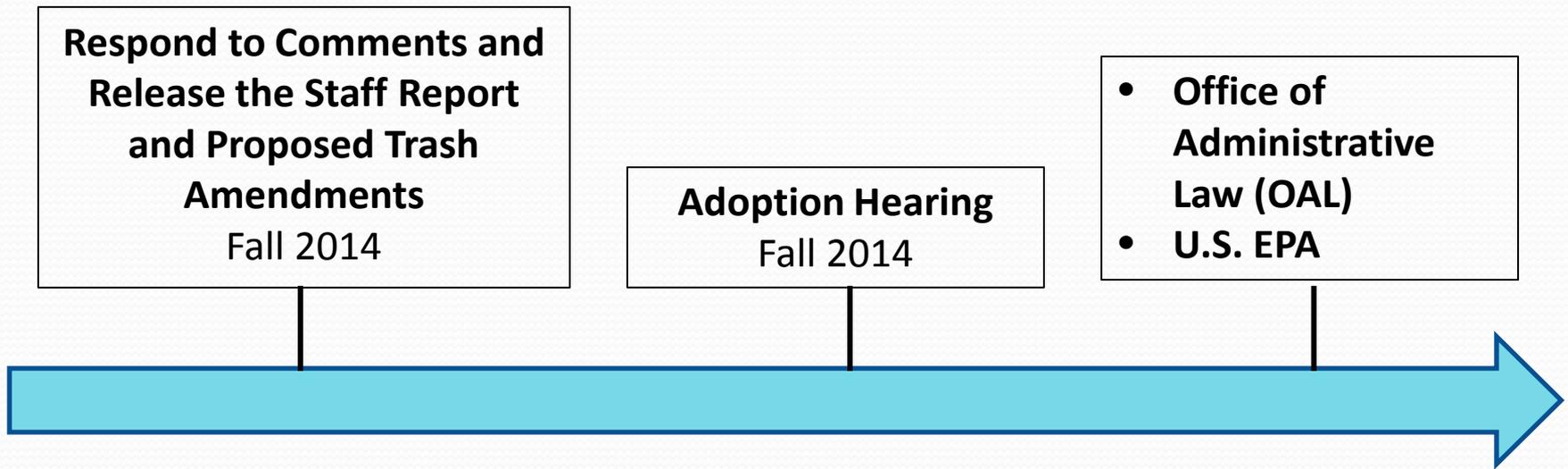
- **MS4 Track 1:** Reporting to demonstrate installation, operation, and maintenance of full capture systems.
- **MS4 Track 2 and Caltrans:** Develop and implement a set of monitoring objectives.
 - Question based to allow for tailored programs.
- **IGP and CGP:** Report control measures.



Development Timeline



Next Steps



State Water Board Contact

Jonathon Bishop

- Jonathon.bishop@waterboards.ca.gov, (916) 341-5820

Dr. Maria de la Paz Carpio-Obeso

- MarielaPaz.carpio-obeso@waterboards.ca.gov, (916) 341-5858

Johanna Weston

- Johanna.weston@waterboards.ca.gov, (916) 327-8117

www.waterboards.ca.gov/trash



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