

Final Staff Report

Including the Substitute Environmental Documentation

Amendment to the Water Quality Control Plan for the Ocean Waters of California to Control Trash and Part 1 Trash Provisions of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California



DIVISION OF WATER QUALITY

**STATE WATER RESOURCES CONTROL BOARD**

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

# CALIFORNIA TRASH POLICY

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# Why the Trash Policy

**Provide statewide consistency for Water Boards' regulatory approach to protect aquatic life, public health, beneficial uses, and environment**

- CA spends ~\$500M/yr on trash



# What's Required

Install full trash capture devices and/or implement institutional controls to attain full trash capture equivalency for Priority Land Use Areas in jurisdiction:

1. High Density Residential (10 units/acre)
2. Industrial
3. Commercial
4. Mixed Urban
5. Public Transportation Stations



# Applicability = NPDES Permits

## Trash Provisions

### Municipal Separate Storm Sewer Systems (MS4s) Phase I and II

- Tahoe Basin
- West Slope

### Industrial General Permit (IGP)

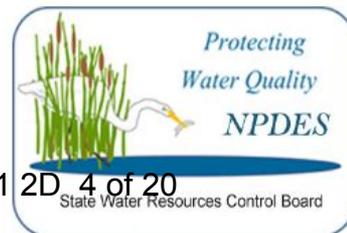
- Union Mine Landfill
- Placerville Airport
- Georgetown Airport

### Construction General Permit (CGP)

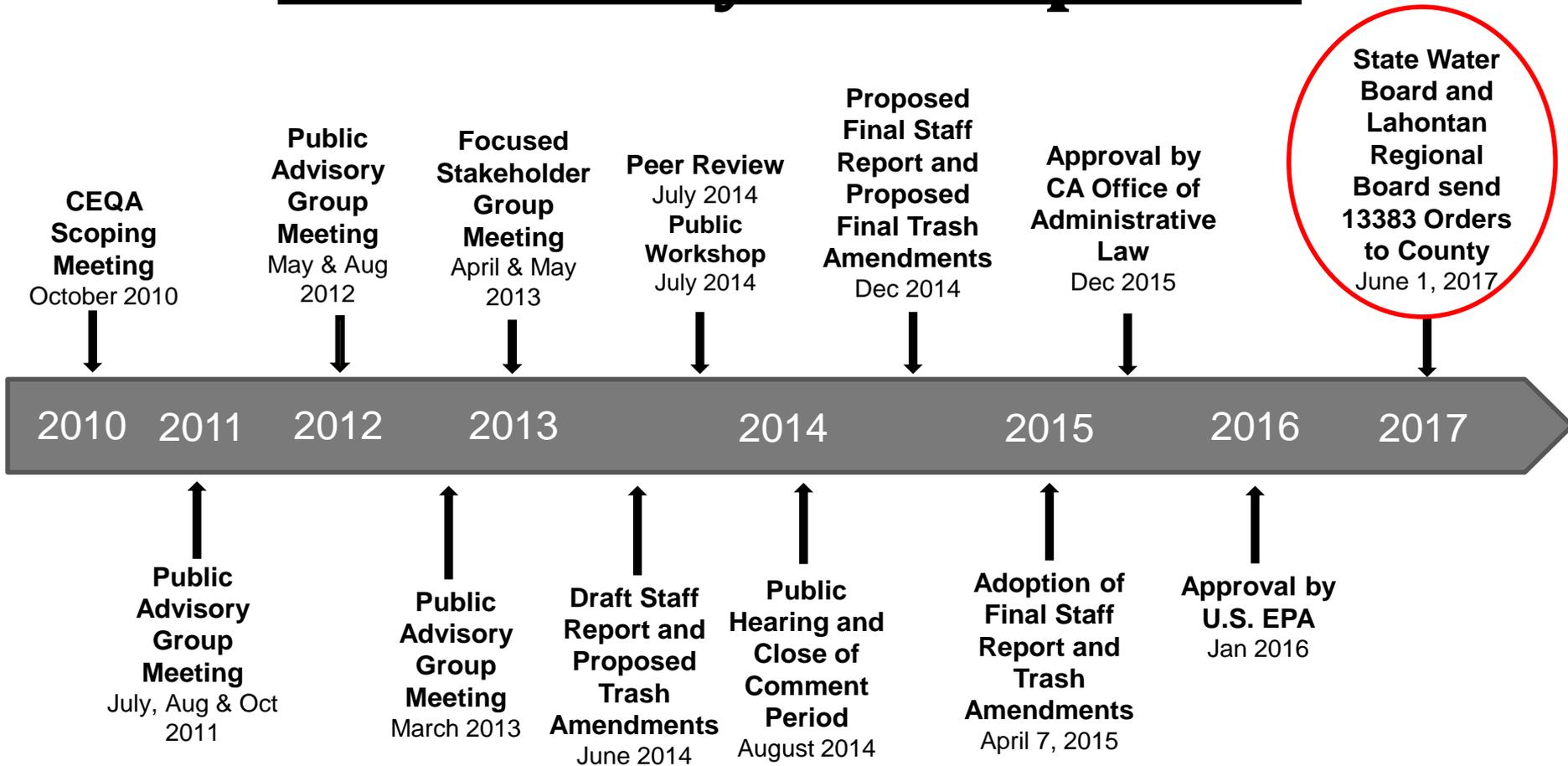
- Multiple Permits

### Department of Transportation (Caltrans)

### Waste Discharge Requirements (WDR) and Waivers of WDRs

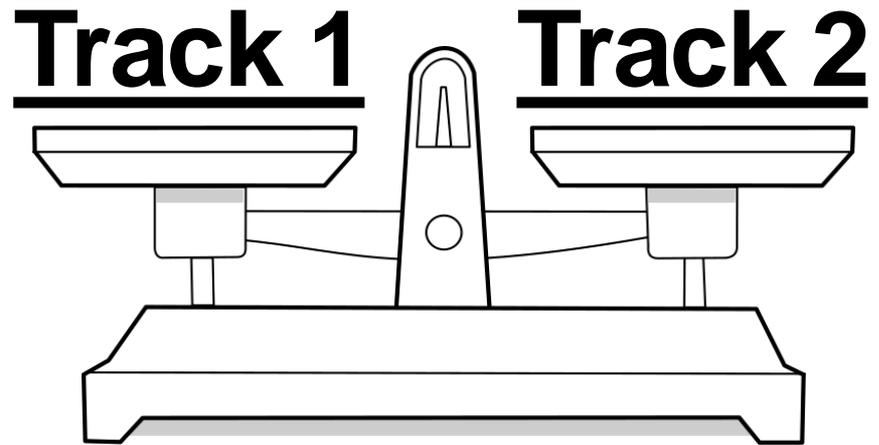


# Trash Policy Development



# Trash Policy Compliance Timeline



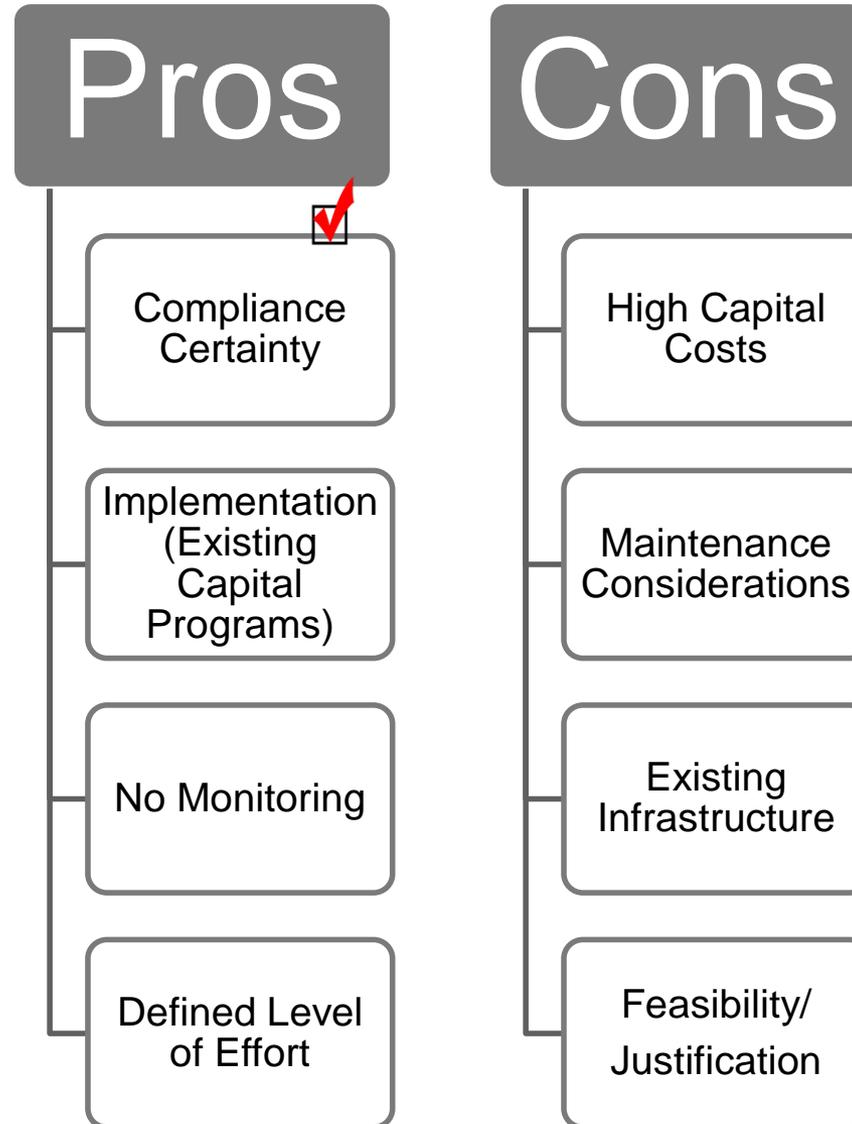


# Track 1

Full Capture Systems – A single device or series of devices that trap particles 5 mm or greater in all PLU areas



# Track 1



# Track 2

## Full Trash Capture System Equivalency

- Full/Partial capture devices
- Multi-benefit projects
- Institutional Controls:
  - Street Sweeping
  - Public Outreach/Campaigns
  - Enforcement/Ordinances/Product Bans
  - Waste Management/Trash Receptacles
  - Land/Water Cleanups



# Track 2

## Pros

- More Options
- Not Limited to Priority Land Use Areas
- Leverage Existing Programs
- Possibly Less Maintenance Intensive
- May be More Cost Effective

## Cons

- Implementation Plan
- Social/Behavior Barriers
- Compliance Bar is High
- Monitoring (challenging and expensive)
- Reporting

# **Staff Recommendation**

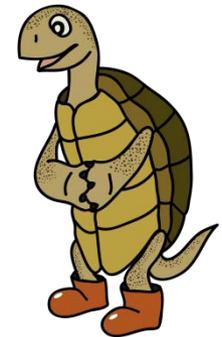
**Tahoe Basin - Track 2**

**West Slope - Track 2**

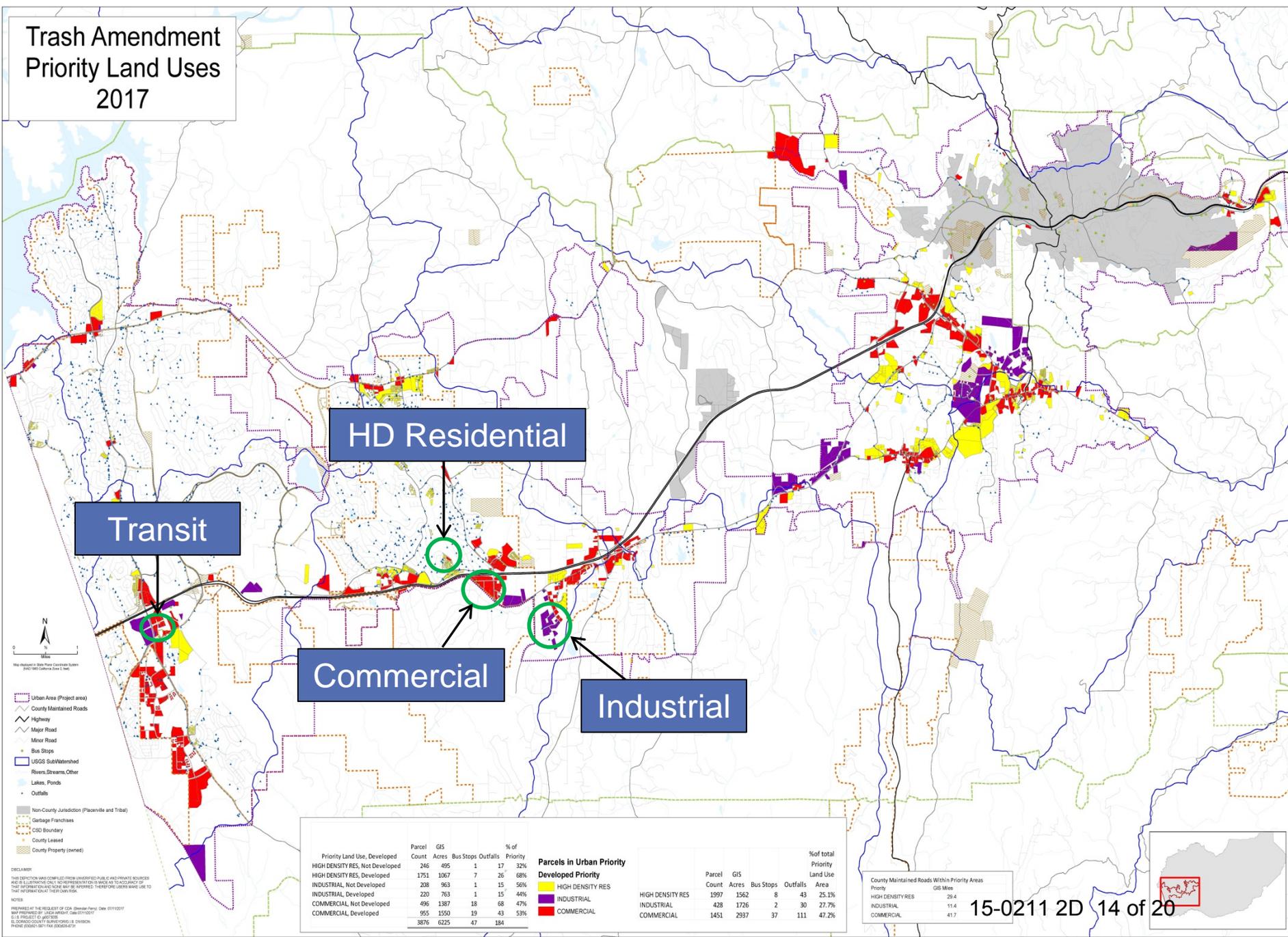
\* Will add a disclaimer in our submittals stating we hold the right to switch tracks

# Existing County Programs:

- Litter Crews/Inmate Litter Crews
- Street Sweeping Program
- Recycling Grants for Trash Receptacles
- Waste Management Fees for Uncovered Loads
- Public Outreach
- Others



# Trash Amendment Priority Land Uses 2017



- Urban Area (Project area)
- County Maintained Roads
- Highway
- Major Road
- Minor Road
- Bus Stops
- USGS Sub/Watershed
- Rivers, Streams, Other
- Lakes, Ponds
- Outfalls
- Non-County Jurisdiction (Placewide and Tribal)
- Garbage Franchises
- CSD Boundary
- County Leased
- County Property (owned)

**DISCLAIMER**  
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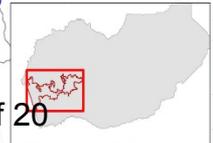
**NOTES**  
PREPARED BY: THE REGISTRY OF DEEDS (Revised Rev. Date 01/11/2017)  
MAP PREPARED BY: LUCAS WARDEN, Date 01/11/2017  
BLISS COUNTY SUPERVISOR'S OFFICE  
PHONE: (850) 837-7400

Priority Land Use, Developed	Parcel Count	GIS Acres	Bus Stops	Outfalls	% of Priority
HIGH DENSITY RES, Not Developed	246	495	1	17	32%
HIGH DENSITY RES, Developed	1751	1867	7	26	68%
INDUSTRIAL, Not Developed	208	963	1	15	56%
INDUSTRIAL, Developed	220	763	1	15	44%
COMMERCIAL, Not Developed	496	1387	18	68	47%
COMMERCIAL, Developed	955	1550	19	43	53%
<b>TOTAL</b>	<b>3876</b>	<b>6225</b>	<b>47</b>	<b>184</b>	

**Parcels in Urban Priority**  
 HIGH DENSITY RES  
 INDUSTRIAL  
 COMMERCIAL

Priority Land Use	Parcel Count	GIS Acres	Bus Stops	Outfalls	% of total Land Use
HIGH DENSITY RES	1997	1562	8	43	25.1%
INDUSTRIAL	428	1726	2	30	27.7%
COMMERCIAL	1451	2937	37	111	47.2%

Priority	GIS Miles
HIGH DENSITY RES	29.4
INDUSTRIAL	11.4
COMMERCIAL	41.7



# Track 1 Infrastructure Restrictions

Open Drains



Cross Culverts



Small/Historic Inlets



No Curb & Gutter/Sheet Flow



# Low Litter Loads – Difficult to Justify Cost of Installation and Maintenance



**Commercial**



**Industrial**

# Other Jurisdictions

Phase II MS4 Survey Results:

Track 1 – Approx. 20%

Track 2 – Approx. 80%

City of Placerville – Track 2

City of South Lake Tahoe – Track 2

Placer County – Track 2



# Relative Costs

Capital Costs



Maintenance



Replacement



- Higher Overall Cost
- New Infrastructure
- Regulatory Certainty

Planning & Surveys



Institutional Controls



Monitoring & Reporting



- Lower Overall Cost
- Existing Programs
- Less Regulatory Certainty

# Costs for Non-Compliance

§ 13385 (a) (California Water Code)

Up to \$10,000 per day of violation plus an additional liability of \$10 per gallon for each gallon over 1,000 gallons where there is a discharge that is not cleaned up.

# **Next Steps/Critical Tasks**

## **For County**

- Track Selection
- Baseline Trash Assessments (Track 2)
- Asset Management for West Slope
- Implementation Plan
- Explore costs and funding options

## **For Private Projects**

- Develop Standards and Details
- Immediate compliance for applicable projects