North Coast Regional Water Quality Control Board October 21, 2008 Public Workshop

Draft Municipal Storm Water Permit

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Background

- Clean Water Act 1972
 - NPDES Program
 - Traditional point sources
- Water Quality Act 1987
 - Storm water regulation

Municipal Storm Water Permit Program

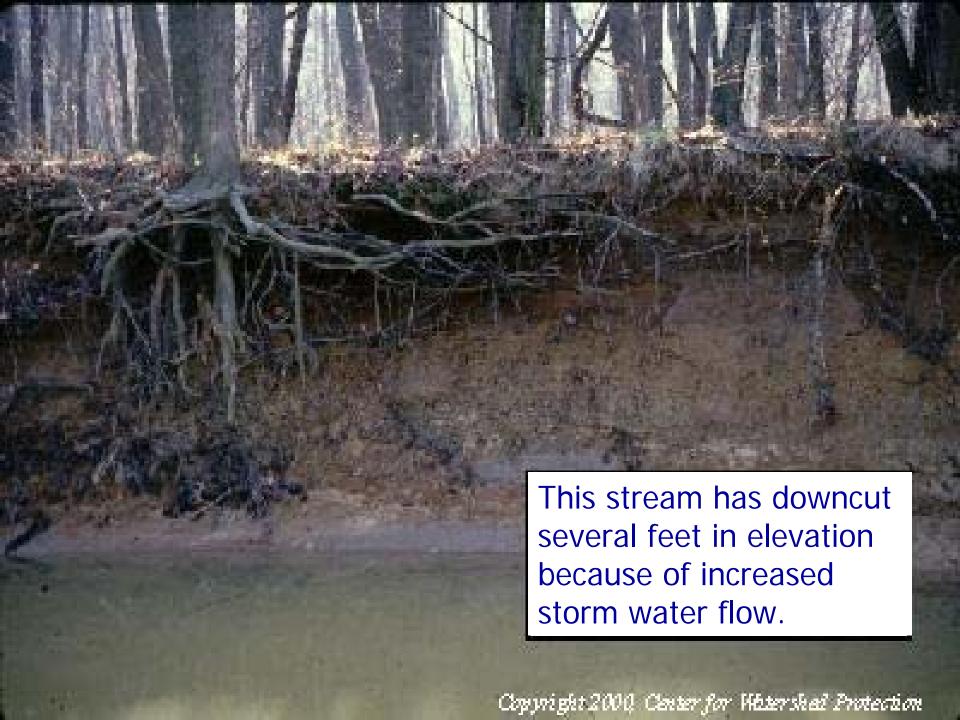
- Phase I Santa Rosa area
 - City of Santa Rosa, Sonoma County and SCWA as Permittees
 - Adopted in May 1997
 - Renewed June 2003, expanded permit areas, post-development controls
- Phase II Included rest of Region with cities of population 10,000+ (presently 12 permittees, enrolled in late 2005)

Storm Water Runoff Is Largest Source of Water Pollution

- Pollutants run off impervious surfaces
- Higher concentrations and more types of pollutants in storm water
- Increased loads of pollutants into receiving waters

Hydromodification

- Increased volume and rate of runoff
- Increased flooding
- Erosion
- Habitat loss and degradation
- Sediment discharge
- Decreased groundwater recharge





Principal Modifications in the New Permit

- Permit Boundary
- New Development Requirements
- Hydromodification Mitigation Plan
- Illicit Discharge
- Inspection Tools

Permit Boundary

- Expanded County-wide
 - Impaired waters
 - TMDLs being developed, storm water contributes
 - Endangered species
 - Consistent standards to protect Russian River
 - Coastal areas of biological significance and recreation

New Development Requirements

- Revise SUSMP
- Prioritize best management practices (BMPs) to pollutants of concern
- LID and landscape BMPs
- Reduced size threshold based on land use

Low Impact Development (LID)

- Mimic natural hydrology
- Retain natural soils and vegetation
- Small, distributed BMPs
- Landscape and biological treatment
- Raingardens, swales, bioretention



Hydromodification Mitigation Plan

- Interim and final plan
- Developed by Permittees
- BMPs and compliance verification

Illicit Discharges

- County-wide spill response
- Public outreach county-wide
- Tracking and reporting of discharges

Inspection Tools

- Tools for consistent inspections
- Required BMPs for construction, commercial, and industrial sites
- BMP handbooks for guidance

MS4 Phase I Storm Water Permit Renewal

- October 22 Comments due
- Late November Agenda package mailed
 - Comments, staff responses, updated permit
- December 11 Permit adoption hearing