CALLEGUAS CREEK & SANTA CLARA RIVER WATERSHEDS

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CALLEGUAS CREEK WATERSHED

Ω Calleguas Creek, Revolon Slough, Mugu Lagoon **∂** limited urban development **∂** agricultural activities a impairments for nutrients, chlorides, organics (DDT, PCBs, chlordane & others), metals (Ni, Cu, Zn, Hg, Se), coliform, siltation

CALLEGUAS WATERSHED BIOASSESSMENT

බ Directed sampling approach
ର 11 stations sampled in 2001
ର 9 rated as "very poor" & 2 rated as "poor"





Colama

Santa Clara River Watershed



SANTA CLARA RIVER WATERSHED

∂ Largest relatively natural river system in Southern California (1200 square miles) **Some and Series And S** urbanized **∂** subwatershed tributaries are relatively undeveloped *𝒫* impairments for ammonia, nitrates, chlorides, coliform

SANTA CLARA RIVER WATERSHED BIOASSESSMENT

 \Im 30 random stations

SANTA CLARA RIVER BIOASSESSMENT RESULTS

റ @ 50% of the sites were "very poor" or "poor"

 Ω 5/6 of subwatershed outlets were "very poor" or "poor" (only Santa Paula Creek was "fair")

BIOASSESSMENT RESULTS (CONT)

ର @ 50% of the sites were "fair" or "good" ର primarily located in upper portions of subwatersheds



CONCLUSIONS

ର Widespread degradation of Calleguas Creek Watershed

 𝔊 More degradation in lower Santa Clara River than in upper subwatershed areas
𝔊 Widespread degradation (@50%)
𝔊 No pristene sites

