



**CTC Presentation on
Areas of Special Biological
Significance (ASBS)
February 2, 2006**

Why is this an issue?

- The absolute prohibition of storm water as a "Waste" Discharge
- Department roadways discharge to ASBS (57 miles of SR-1 and SR-101)
- Capital cost to divert & treat all flows \approx \$500M*



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Secretary for Environmental
Protection

State Water Resources Control Board

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Arnold Schwarzenegger
Governor

TO: Gary Winters
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Because the Department does not have an exception issued by the State Board for discharges to any of the listed ASBS, the Department is required to cease discharging to them. You may, however, request an exception to the prohibition. In order to request an exception, you must prepare and transmit an application package by February 1, 2005 to the State Board. The application package should be sent attention to Dominic Gregorio, Division of Water Quality, Ocean Standards Unit. The package must include a letter requesting an Ocean Plan exception from the State Board. The package must also include the following required items and, if necessary, a reasonable schedule for the delivery of specific items not completed by February 1, 2005:

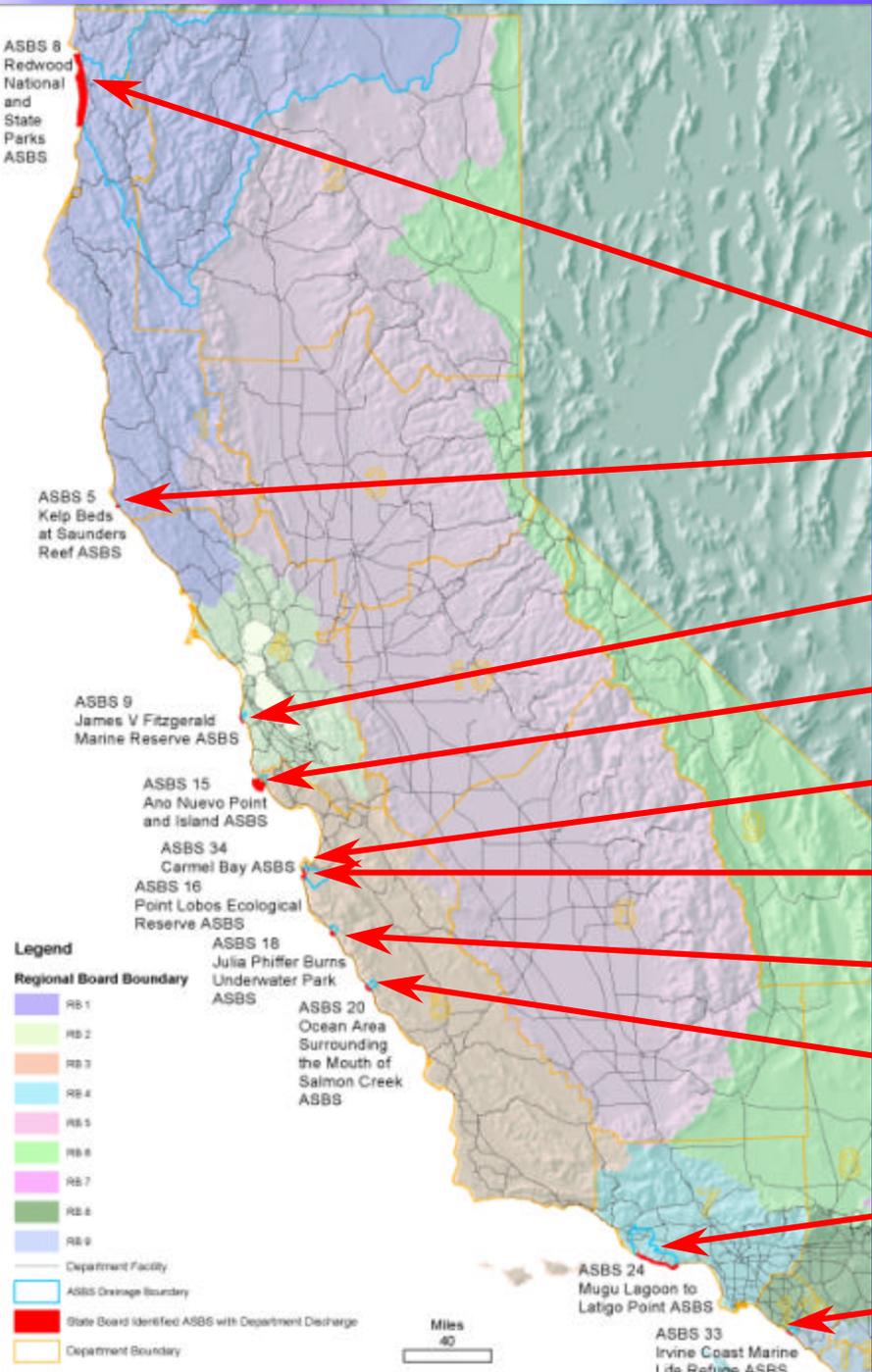
distance from such designated areas to assure maintenance of natural water quality conditions in these areas." "Waste" is defined as the "total discharge, of whatever origin." The Department of Transportation (Department) is responsible for storm water discharges (dry and wet weather runoff, inclusive) into the following ASBS subject to the prohibition against waste discharges:

- Ano Nuevo Point and Island ASBS
- Carmel Bay ASBS
- Irvine Coast Marine Life Refuge ASBS
- James V. Fitzgerald Marine Reserve ASBS
- Julia Pfeiffer Burns Underwater Park ASBS
- Kelp Beds at Saunders Reef ASBS
- Mugu Lagoon to Latigo Point ASBS
- Ocean Area Surrounding the Mouth of Salmon Creek ASBS
- Point Lobos Ecological Reserve ASBS
- Redwood National Park ASBS

California Environmental Protection Agency

 Recycled Paper

10 Board Identified ASBS Sites



Redwoods National & State Parks

Kelp Beds at Saunders Reef

James V Fitzgerald Marine Reserve

Ano Nuevo Point and Island

Carmel Bay

Point Lobos Ecological Reserve

Julia Pfeiffer Burns Underwater Park

Mouth of Salmon Creek

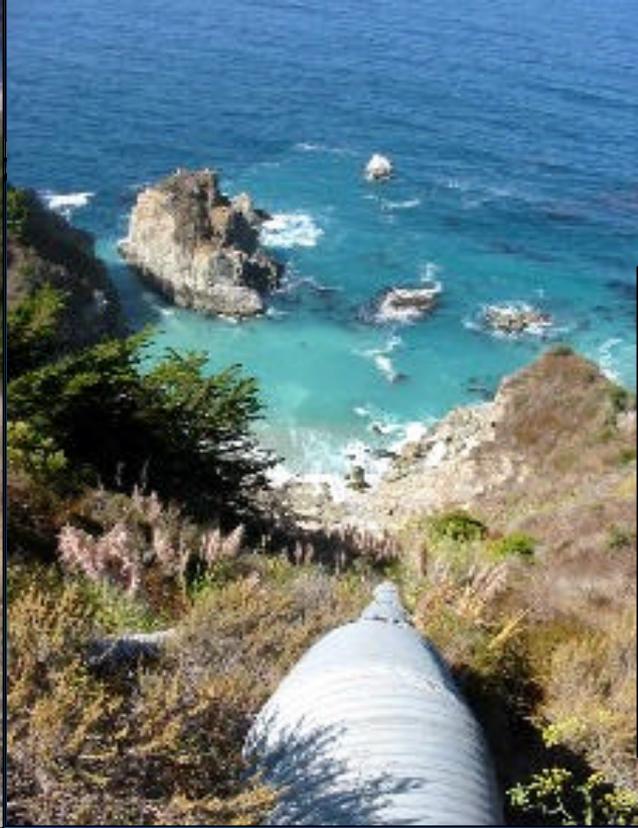
Mugu Lagoon to Latigo Point

Irvine Coast Marine Life Refuge

Caltrans 12/2/04 Reply to SWRCB

- Is "Exception" Process Viable?
- Evidence of a Water Quality Problem
- Major Expenditures & Minimal Benefit
- What of the proposed change to the Ocean Plan to allow stormwater under "Special Condition"?
- What does it mean to "cease discharge"? What is a discharge?

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Conditional Exception Request Submitted February 1, 2005

- Outstanding questions noted from our Dec 2, 2004 letter
- Potential opportunity to divert runoff
- Legal underpinnings
 - CEQA –Hwy discharge predated prohibition
 - Economic assessment (CWC §13241)

ASBS	Mi	%Ws	SD	Dd	Ck	Vg	Mu	\$ M
Redwoods National & State Parks	10.6	.0002	28	8	1	19	0	151
Kelp Beds at Saunders Reef	1.1	1.3	5	2	1	2	0	5
Ano Nuevo Point and Island	3.0	0.39	7	2	5	0	0	12
James V Fitzgerald Marine Reserve	2.5	0.68	9	6	1	2	0	14
Mouth of Salmon Creek	4.0	0.36	22	0	5	17	0	29
Julia Pfeiffer Burns	3.0	0.34	16	2	0	14	0	11
Point Lobos Ecological Reserve	1.0	0.52	1	0	1	0	0	34
Carmel Bay	4.5	0.067	4	0	1	3	0	
Mugu Lagoon to Latigo Point	24.0	0.21	76	51	19	4	2	139
Irvine Coast Marine Life Refuge	3.0	0.70	16	5	3	8	0	26
Totals	57		184	76	37	69	2	421
Treatment – media filter								77
Estimated Capital Cost								498

Note: does **NOT** reflect support (e.g. engineering), operational or maintenance costs

Redwood National & State Parks ASBS

Before...

ASBS

An aerial photograph of a coastal landscape. The top half of the image shows a dense, green forest covering a steep hillside. A road is visible winding through the trees. The bottom half of the image shows a rocky coastline with waves crashing against the shore. A red arrow points from the bottom right towards the coastline, with the text 'ASBS' written in red above it.

Redwood National & State Parks ASBS

After...



48" RCP

Catch Basin

Pumphouse

Cut Slope

Sand Filter

Wilson Creek

SR-101

Concrete support Pillars for 48" RPC

ASBS



Pumphouse

Cut Slope

Sand Filter

Catch Basin

48" RCP



Julia Pfeiffer Burns Underwater Park ASBS

Before...

ASBS



Julia Pfeiffer Burns Underwater Park ASBS

After...





Anderson Creek

Catch Basin

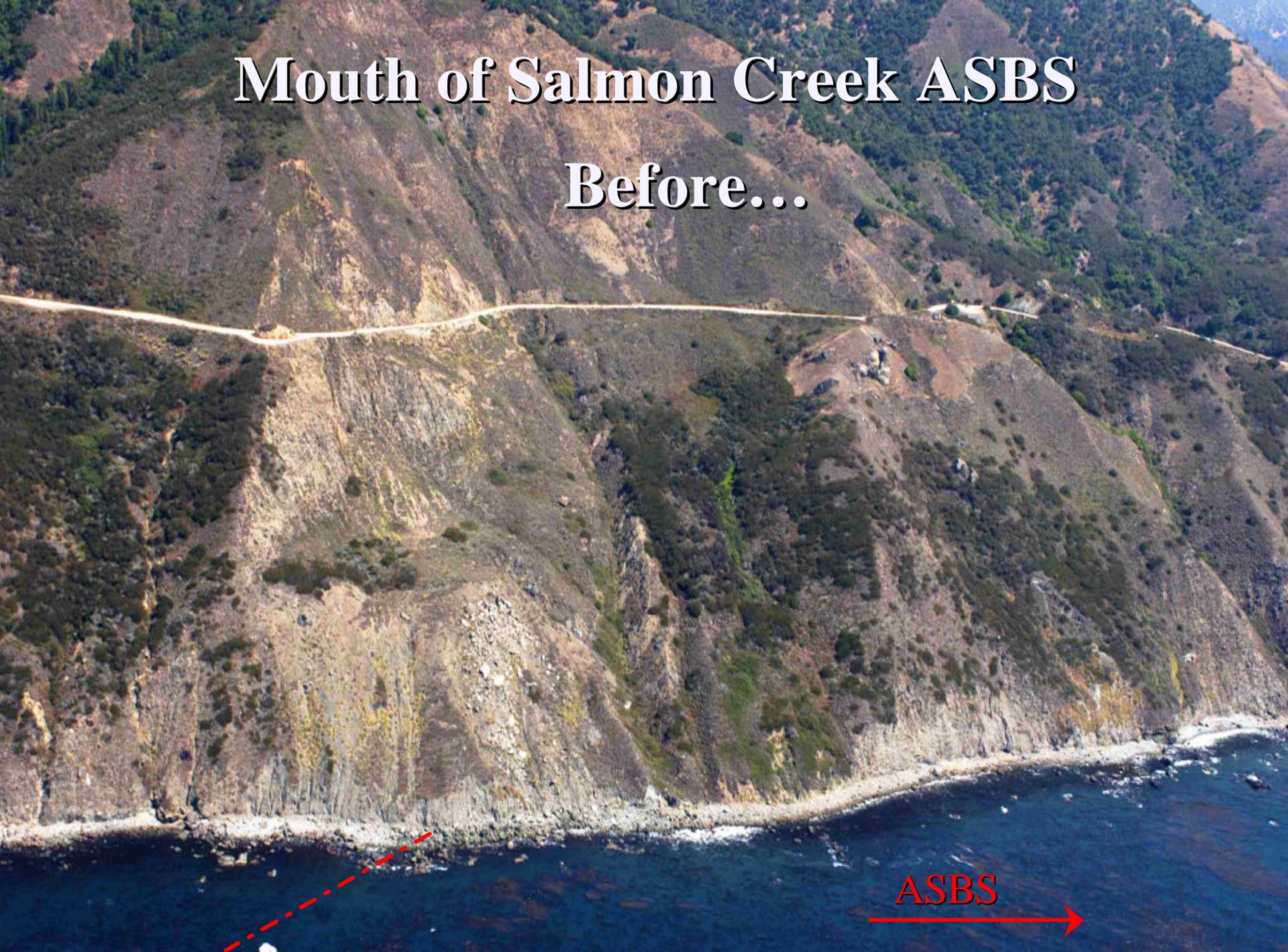
60" RCP

(SR-1)

Concrete Support Pillars for 60" RCP

Mouth of Salmon Creek ASBS

Before...



ASBS

Mouth of Salmon Creek ASBS

After...





SR-1

48" RCP

Catch Basin

Energy Dissipator
Outfall Located Outside of ASBS Limits

Mugu Lagoon – ASBS No. 33





**60" RCP
Gravity Piping**

Sand Filter

Pump Station

Mugu Lagoon – ASBS No. 33

SWRCB Request on Best Management Practices (BMPs) Implementation

- SWRCB Staff desires ... “an accelerated iterative BMP approach”
- Conventional BMPs will not meet standards
- Only retention basins or redirection would meet standards, and they could be overcome in a 25 year storm*, resulting in a “discharge” violation

What's Next?

Recommend that the Commission support the Department's efforts to encourage SWRCB to amend the Ocean Plan as follows:

- Remove the current prohibition, as it is not practical.
- Allow discharges of storm water if water quality has been addressed in a manner consistent with existing storm water programs.



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