



RECYCLING URBAN RUNOFF

2009 Headwaters to Ocean Conference

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Miocean Foundation

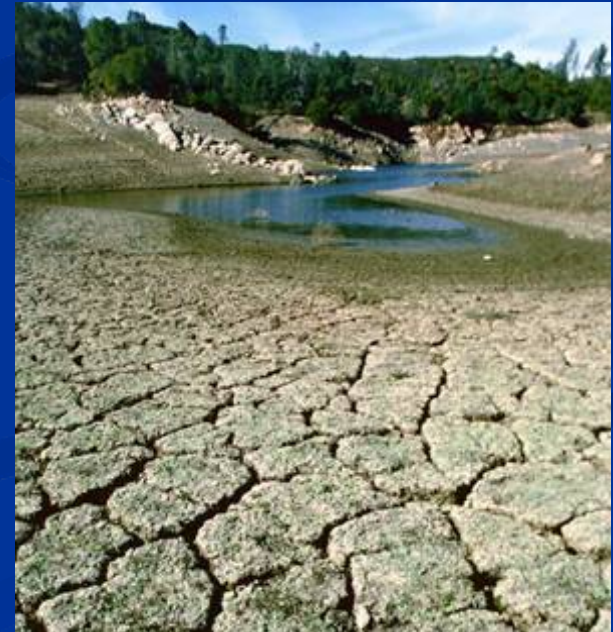
Mike Dunbar, General Manager
South Coast Water District

Introduction

- Miocean Foundation – Non-profit organization having committed millions to curb runoff pollution in Orange County
 - Tangible value. Measurable Benefits. Specific Timeframes. Local Beaches.
 - Works with local entities to help fund projects
- South Coast Water District
 - Water service to 40,000 thousand residents and over 2,000,000 visitors annually
 - 7,000,000 gallons of potable water and remove 4,000,000 gallons of wastewater for treatment

Issues

- Coastal Area
- Beach Report Card
- Polluted Water Running into Ocean
- California Drought

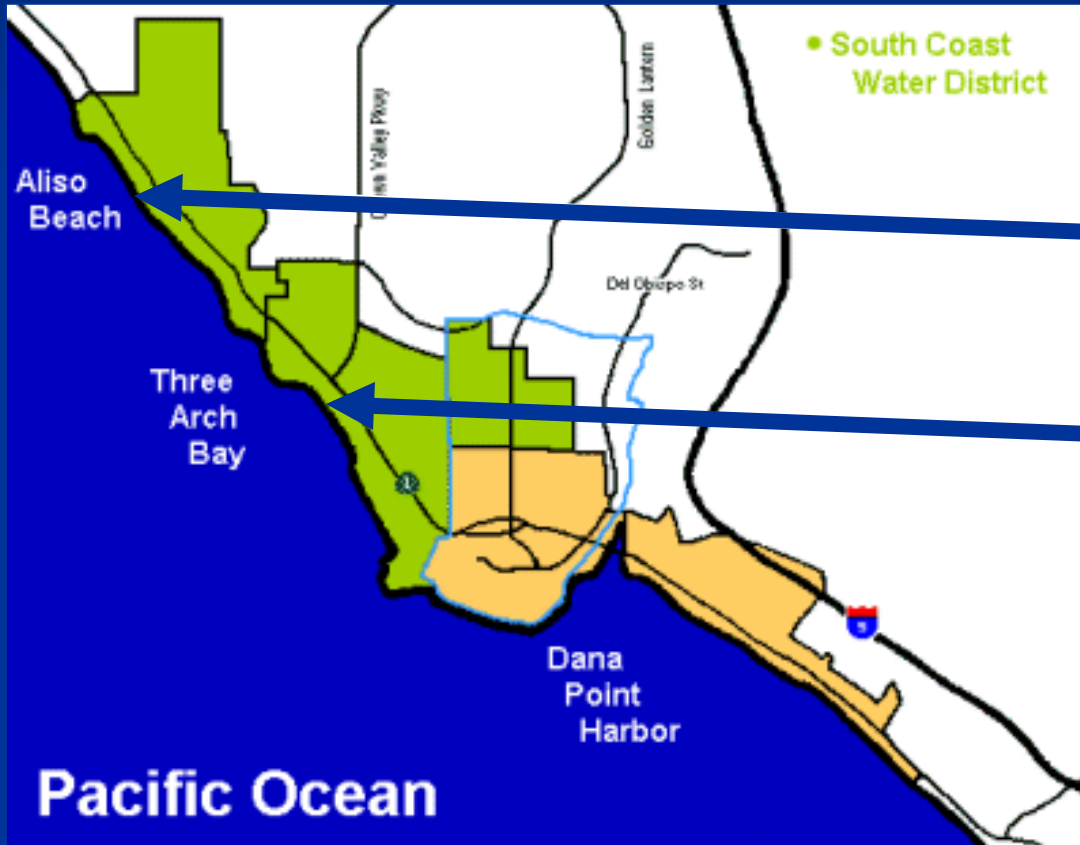


Urban Runoff

- Historic Use of Urban Runoff
- Need to Prevent Runoff onto the Beaches
- Among the greatest threats to the ocean's health and vitality
- New Reusable Water Source!



South Coast Water District Service Area

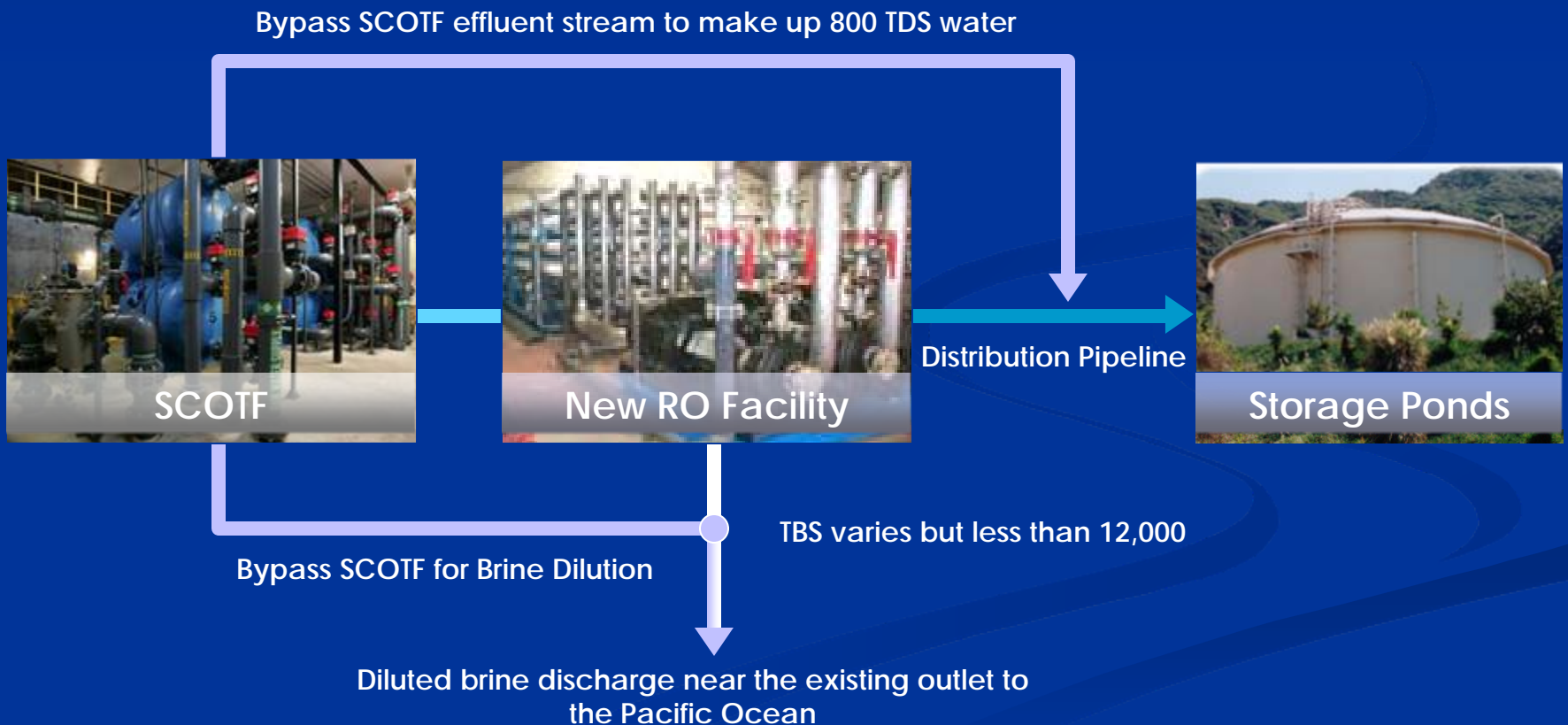


Aliso Creek

Salt Creek

Salt Creek Reuse Project

Salt Creek Ozone Treatment Plant – Dana Point shall leverage existing ozone treatment facility that processes up to 1.4 MGD



Aliso Creek Runoff/Recovery/Reuse Project



Issues to Recycling Urban Runoff

- Capturing Runoff
- Treating Runoff
- Salts and Brine Disposal

Conclusions & Recommendations

- Funding - Always an Issue
- Working Together – Government & Regulators
- Common Goal – What would it take for all to collaborate?
- Launching Projects – How do we get moving?

Thank you!



**South Coast Water District
Miocean Foundation**