

### Human Uses

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## Outline

- Human uses and the Refugio spill
- Overview of assessment and results
- Proposed process for restoration

### Refugio Spill and Human Uses

### Scope of Trustee Analysis

- Lost public use and enjoyment of natural resources
- Compensation for lost use based on lost value
- Lost value is a net value ("consumer surplus")
- Lost public value versus lost revenue

## Area Closures

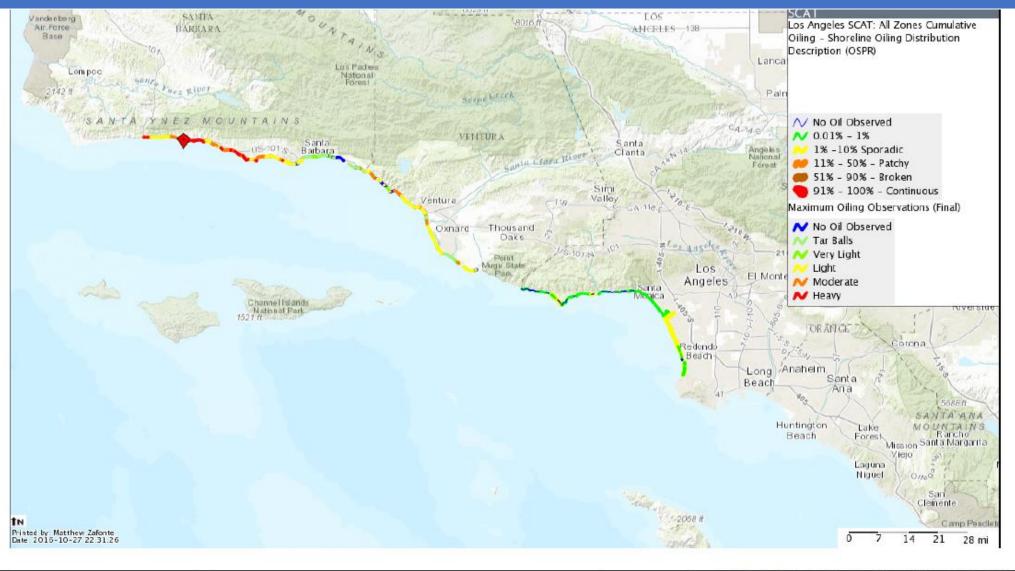


This area temporarily closed to all fishing



Photo by: Chris Leggett

### **Shoreline Oiling**



US DOC | NOAA | NOS | NOAA Office of Response & Restoration Email Comments: orr.erma@noaa.gov

Coastal Response Research Center (c) 2007-2016 University of New Hampshire RMA Environmental Response Management Application Southwest

# Response Activities

Photo by: Chris Leggett

06/07/2015 12:26

### Advisories



Santa Barbara County @countyofsb



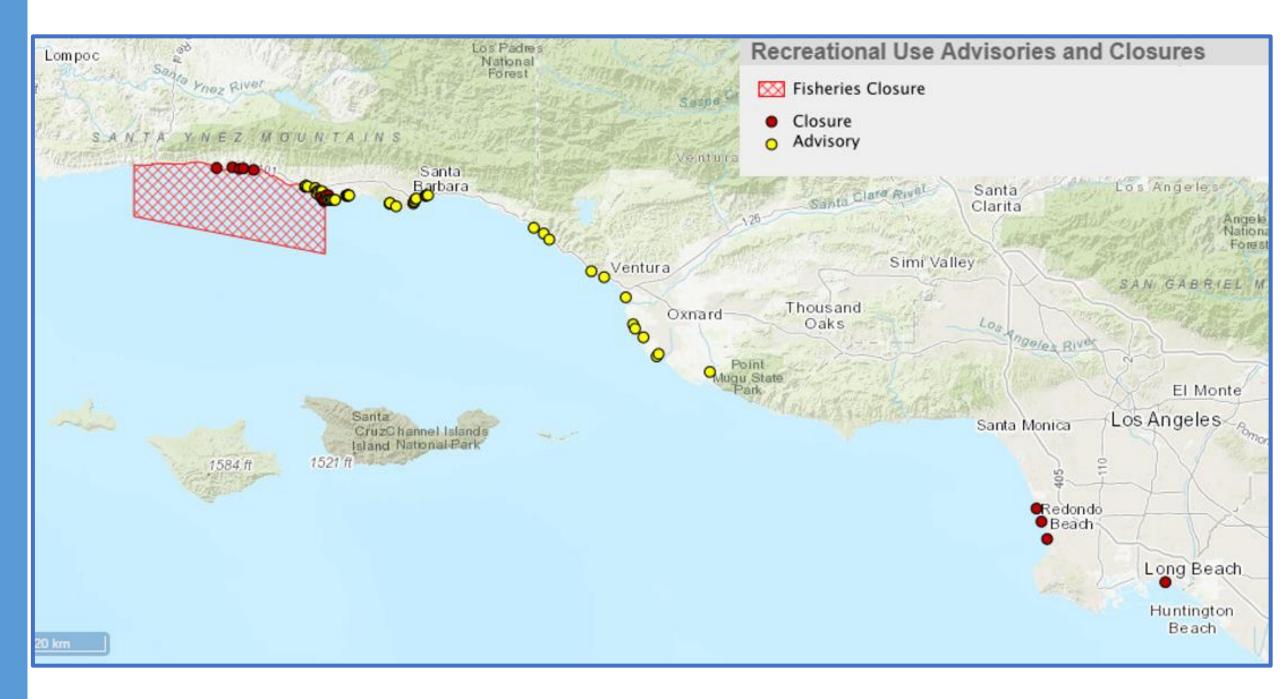
Please stay out of the affected area for your own safety and that of the wildlife and sensitive habitats. #refugiooilresponse







6:21 PM - 20 May 2015



### **Activities Covered**

- Coastal camping
- Shore-based recreation
- Boat-based recreation
- Research, education, outreach (University of California)

### Assessment for Human Uses

# Collection of information around time of spill

#### EXAMPLES

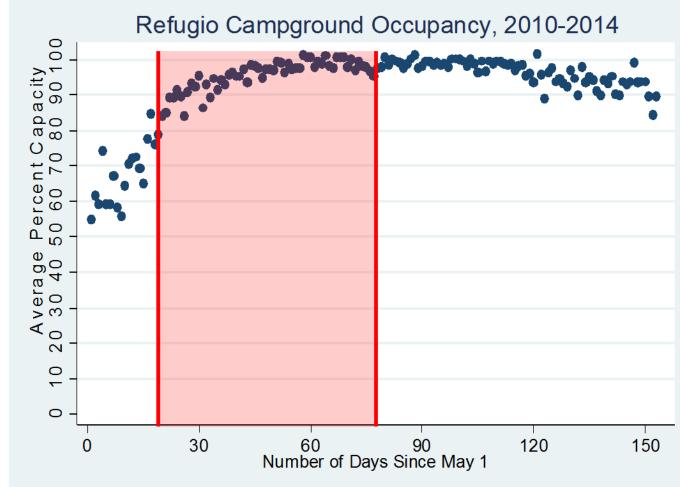
- Documentation of closures and advisories
- Systematic counts of people at recreation areas
- Contacts to recreation
  businesses



# Compilation of data collected by others

EXAMPLES

- Vehicle counts
- User counts
- Parking fees



# Collection of data at spill anniversary

#### EXAMPLES

- In-person interviews
- User counts
- Monitoring of automated car counters

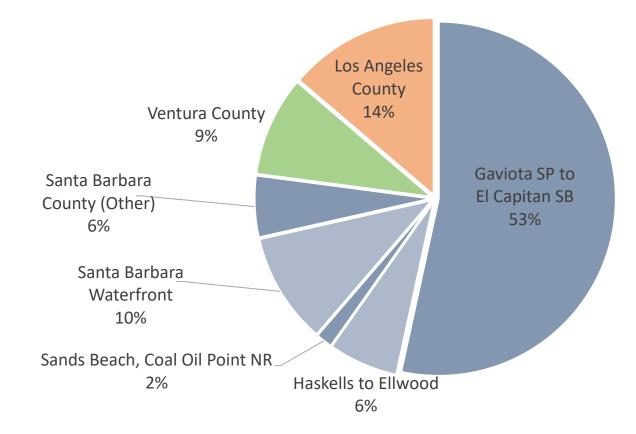


Photo by: Chris Leggett

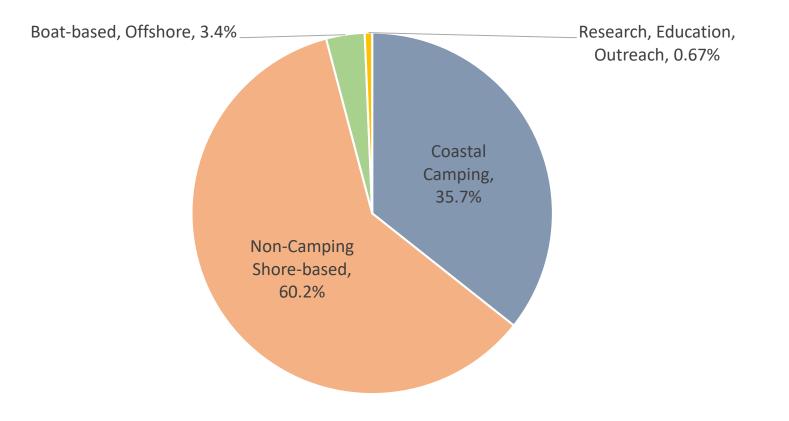
### Piecing it all together...

- Estimated human use had the spill not occurred
- Examined reductions due to spill
- Developed models to value camping and shoreline trips in Santa Barbara and Ventura
- Used existing studies to calculate value for shoreline trips in Los Angeles and boat-based recreation across the spill
- Total Lost Value: \$4.47 Million

### Geographic Distribution of Impacts



### Distribution of Impacts by Activity

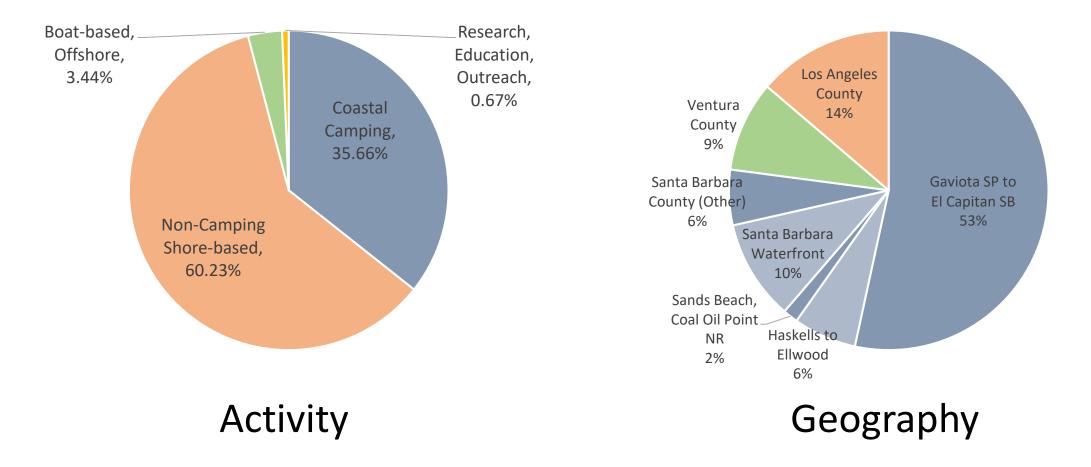


### Proposed Restoration Process

### Settlement for Human Use Claim

• \$3.9 Million to compensate for human use injuries

### Goal of Compensation: Match Quantified Impacts



#### Proposed Distribution of Settlement



- California State Parks
- Administer 53.4% (\$2.08 Million)
- Projects to benefit recreational activities associated with State Parks from Gaviota to El Capitan
- State Parks will select projects in coordination with Santa Barbara County and the Trustee Council

### Proposed Distribution of Settlement







- South Coast Shoreline Parks and Outdoor Recreation Grants Program
- State Trustees will oversee 45.93% (\$1.79 Million)
- Competitive grant process administered by National Fish and Wildlife Foundation
- Projects to benefit recreation activities downcoast of El Capitan State Beach
- Request for proposals will be distributed after Damage Assessment and Restoration Plan is finalized

### UNIVERSITY OF CALIFORNIA

### Proposed Distribution of Settlement

- University of California
- Administer 0.67% (\$26,000)
- Research, education, and outreach projects selected by University of California in coordination with the Trustee Council



• We look forward to comments on the restoration plan

