

Fish, Subtidal and Water Column

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Potential Effects or Impacts

- Oil impacts the quality of nearshore, subtidal and water column habitats
- Oil exposure in those habitats may impact organism survival, growth, reproduction, immune function and other physiological processes
- Co-exposure to oil and sunlight enhances toxicity in some organisms
- Oil coating subtidal vegetation and organisms can cause chemical exposure and smothering



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Pathway of Injuries – Water Column

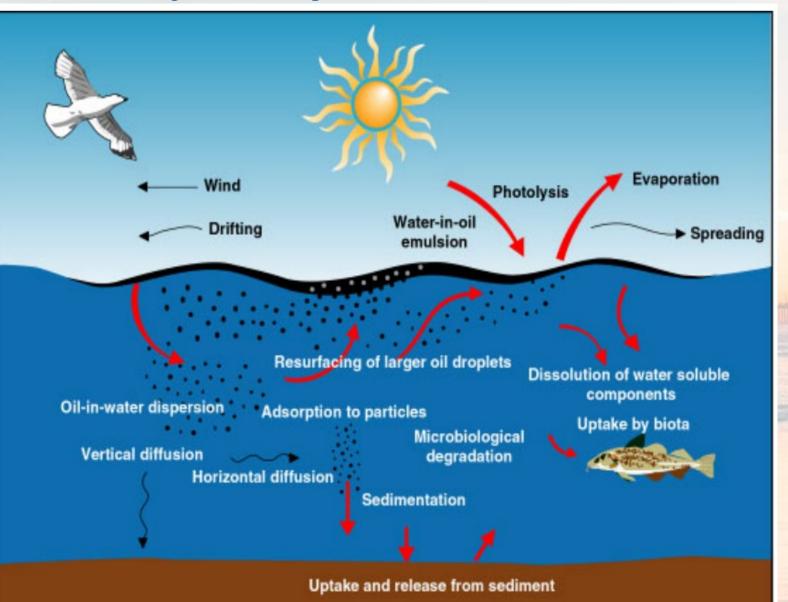
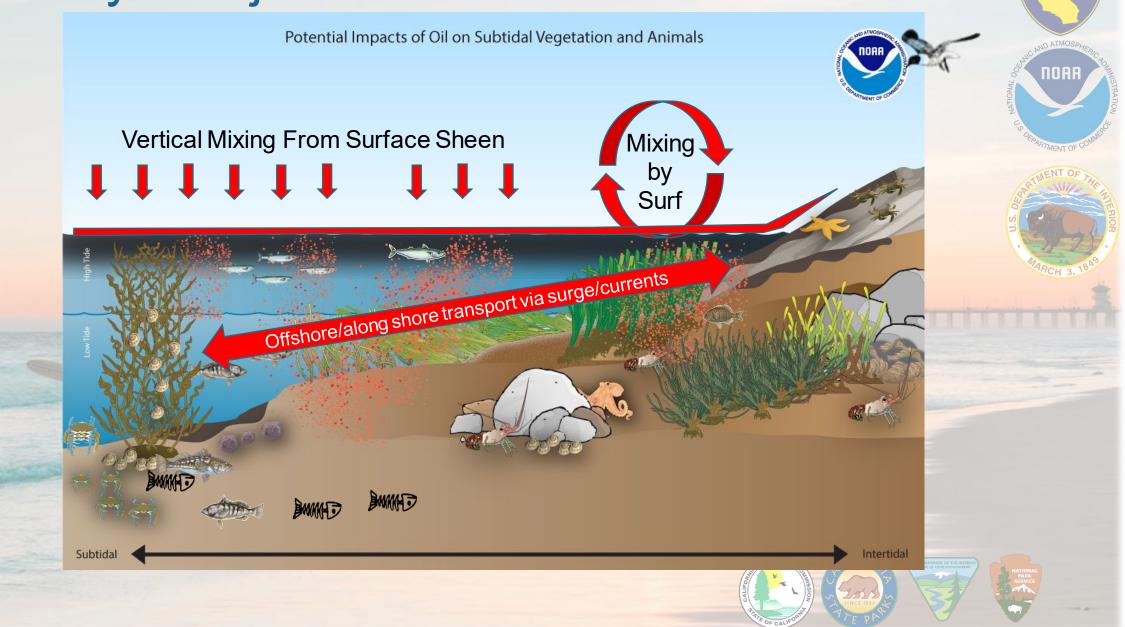


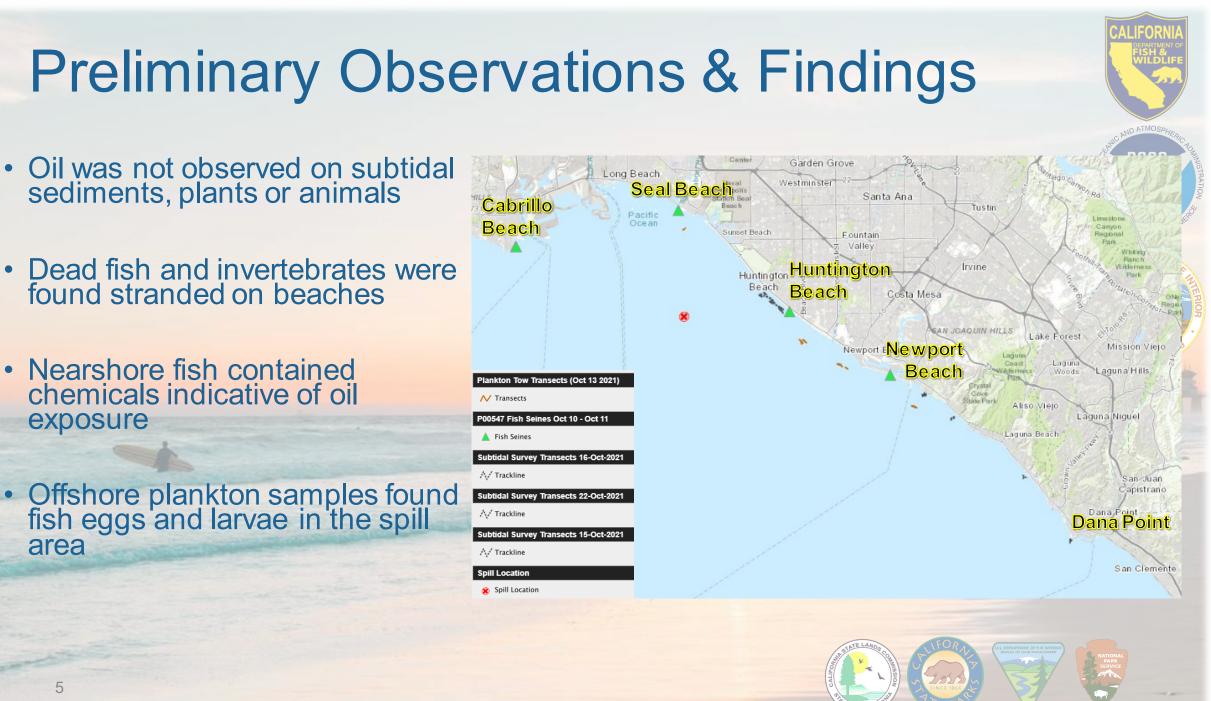
Figure from: Daling, P.S., Aamo, O.M., Lewis, A., Strùm-Kristiansen, T., 1997. SINTEF/IKU oil-weathering model: predicting oil properties at sea. In: Proceedings1997 Oil Spill Conference. API Publication No. 4651, Washington DC, pp. 297-307.

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Pathway of Injuries – Nearshore and Subtidal





area

Next Steps or Tasks

- · Continue evaluating data and potential injuries caused by oil
- Use a model to evaluate oil movement and effects in offshore and nearshore habitats
- Determine:

(1) the oil spill's spatial extent and duration on the water's surface and(2) impacts to fish and water column habitat and resources

Evaluate potential restoration projects





