## BIRDS







Presented by:
Nadia Martin, Industrial Economics Inc.
on behalf of the Trustees









## Potential Effects or Impacts

CALIFORNIA
DEPARTMENT OF
FISH &
WILDLIFE





- Direct exposure to oil
- Oiling of habitat and food sources
- Response and clean up activities
  - Disturbance to birds
  - Bird habitat degradation



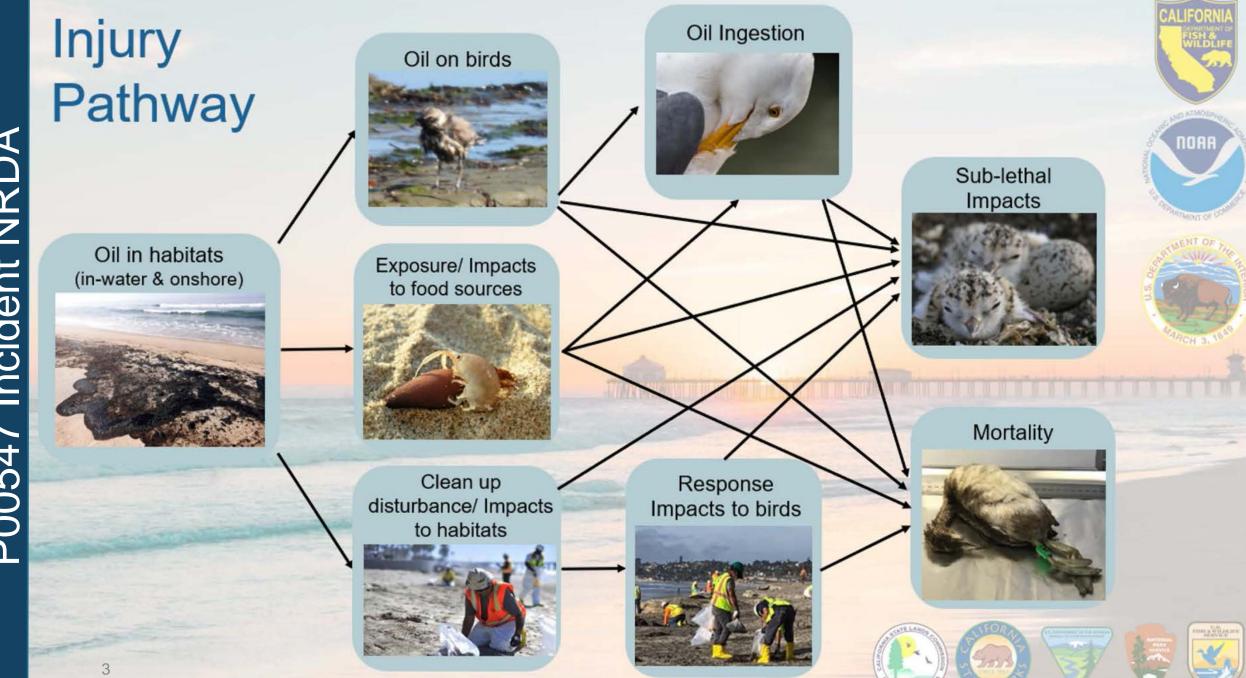








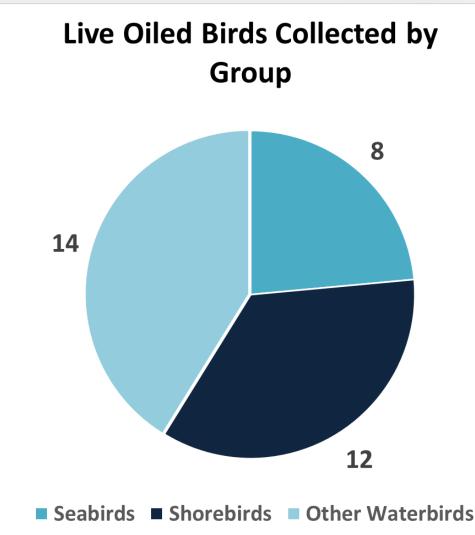
Photo credits: Pipeline P00547 Natural Resource Trustees



## Preliminary Observations & Findings



- Data collected during and after the spill
  - Wildlife response data
  - Shorebird surveys
  - Pelican roost surveys
  - Western snowy plover monitoring and nest surveys
  - Wildlife overflights
- Supplementary information sources
  - Data on bird species from prior to the spill
  - Information on the impacts of oiling



## **Next Steps**











Gabrielle Canon/The Guardian

 Continue data compilation and review from Western Snowy Plover monitoring efforts

- Evaluate and quantify injury to birds
  - Direct mortality
  - Sub-lethal injury
- Restoration planning for affected bird habitats and species









