

Compilation of At-Sea Seabird Survey Data for California

Seabirds are highly variable in their spatial and seasonal distributions, and it is impossible to predict their abundance without access to large datasets compiled over the years by a number of different investigators. These data can be of great value for planning for real time oil spill response, and for NRDA damage assessment. This work updates the old MMAS CDAS (Version 2.1) historical database of seabirds, including most offshore surveys from 1975 to 2008 from both the sea and air. Over 610,000 km of survey effort is included, and over 2.5 million sightings were integrated with each other. One can also immediately integrate new data into this format.

Compilation of At-Sea Seabird Survey Data for California

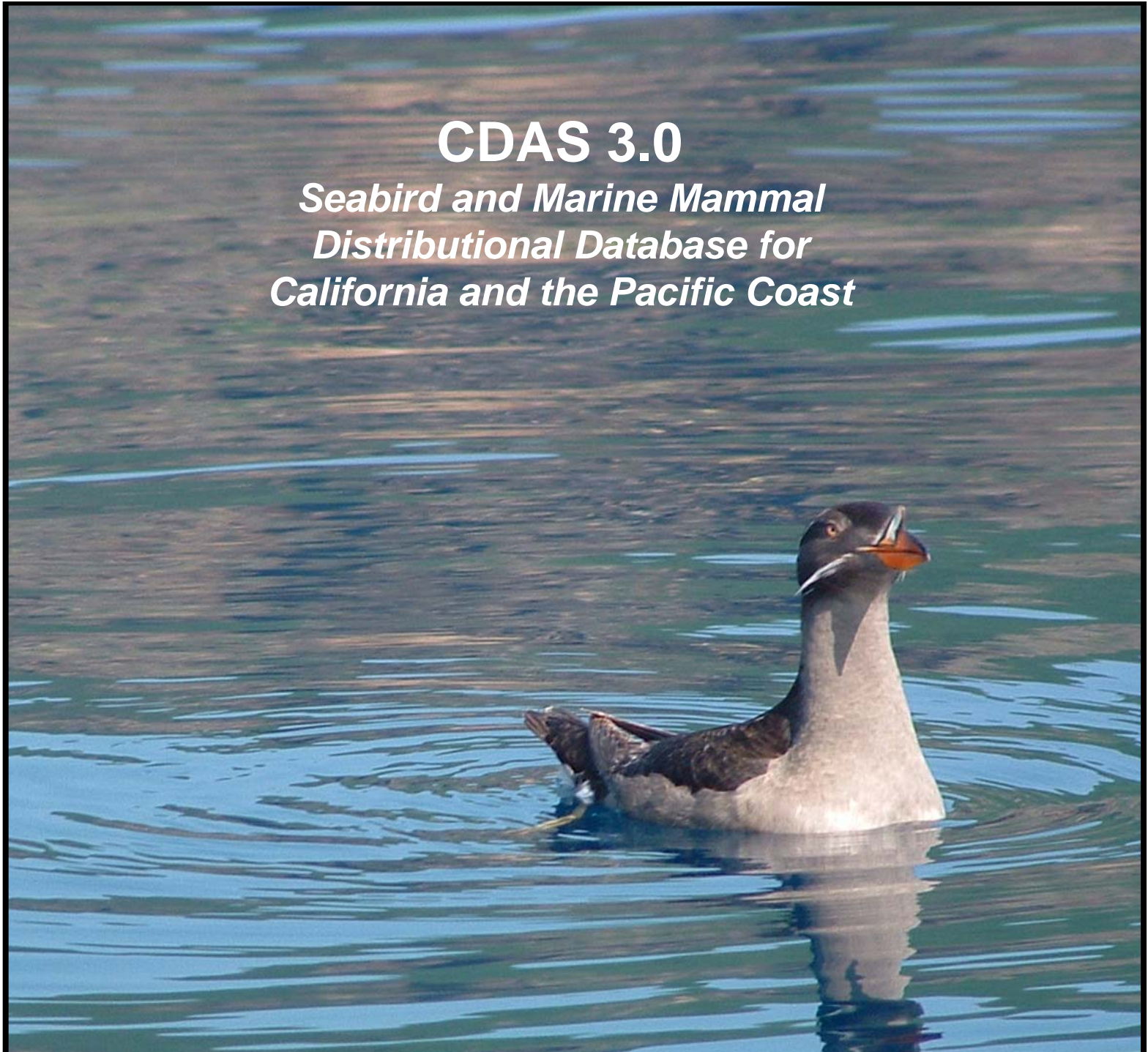
Presented by Steve Hampton, reporting on work by Glenn Ford



**Annual SSEP Presentation Meeting
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OSPR-Sacramento**

CDAS 3.0

*Seabird and Marine Mammal
Distributional Database for
California and the Pacific Coast*

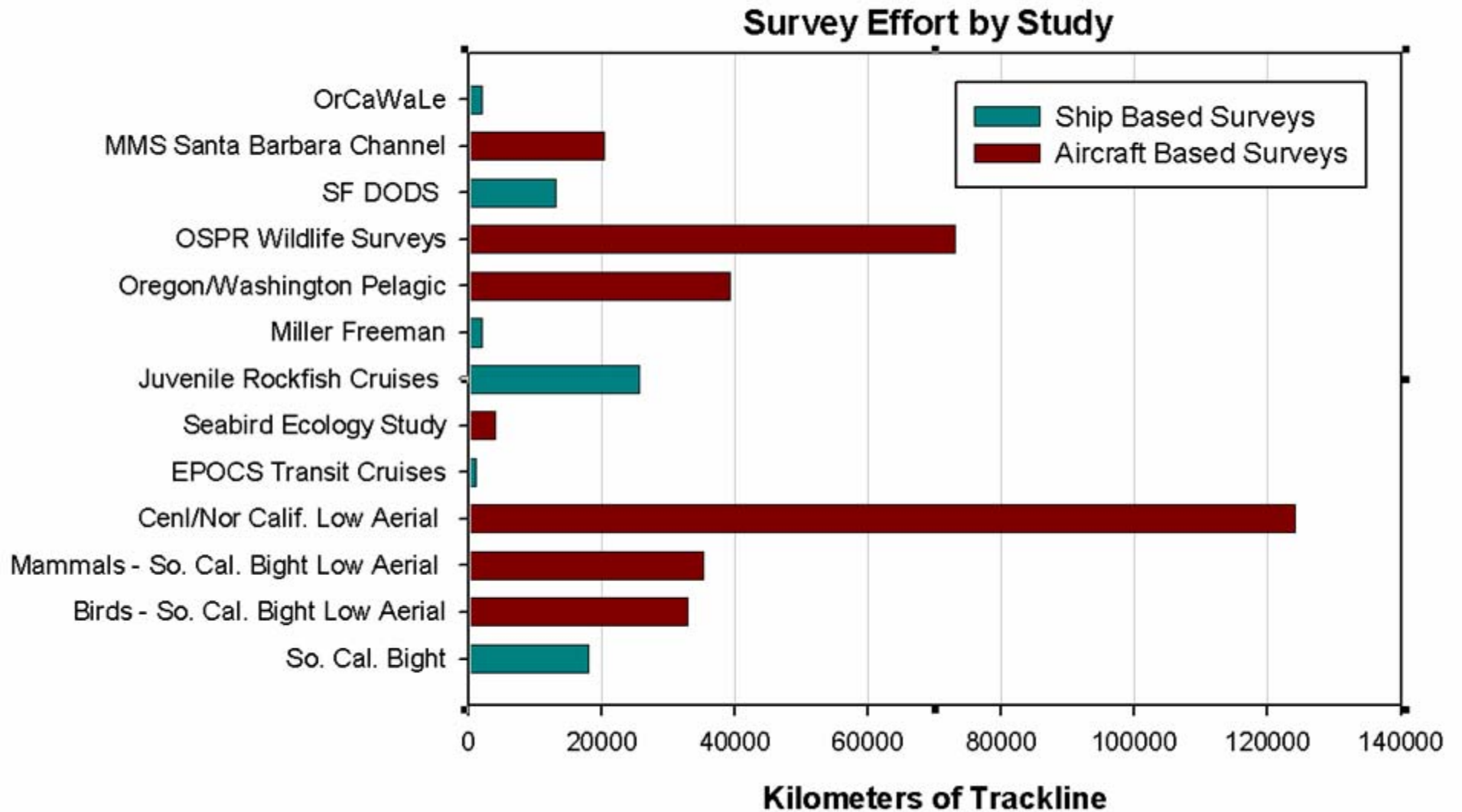


The Project

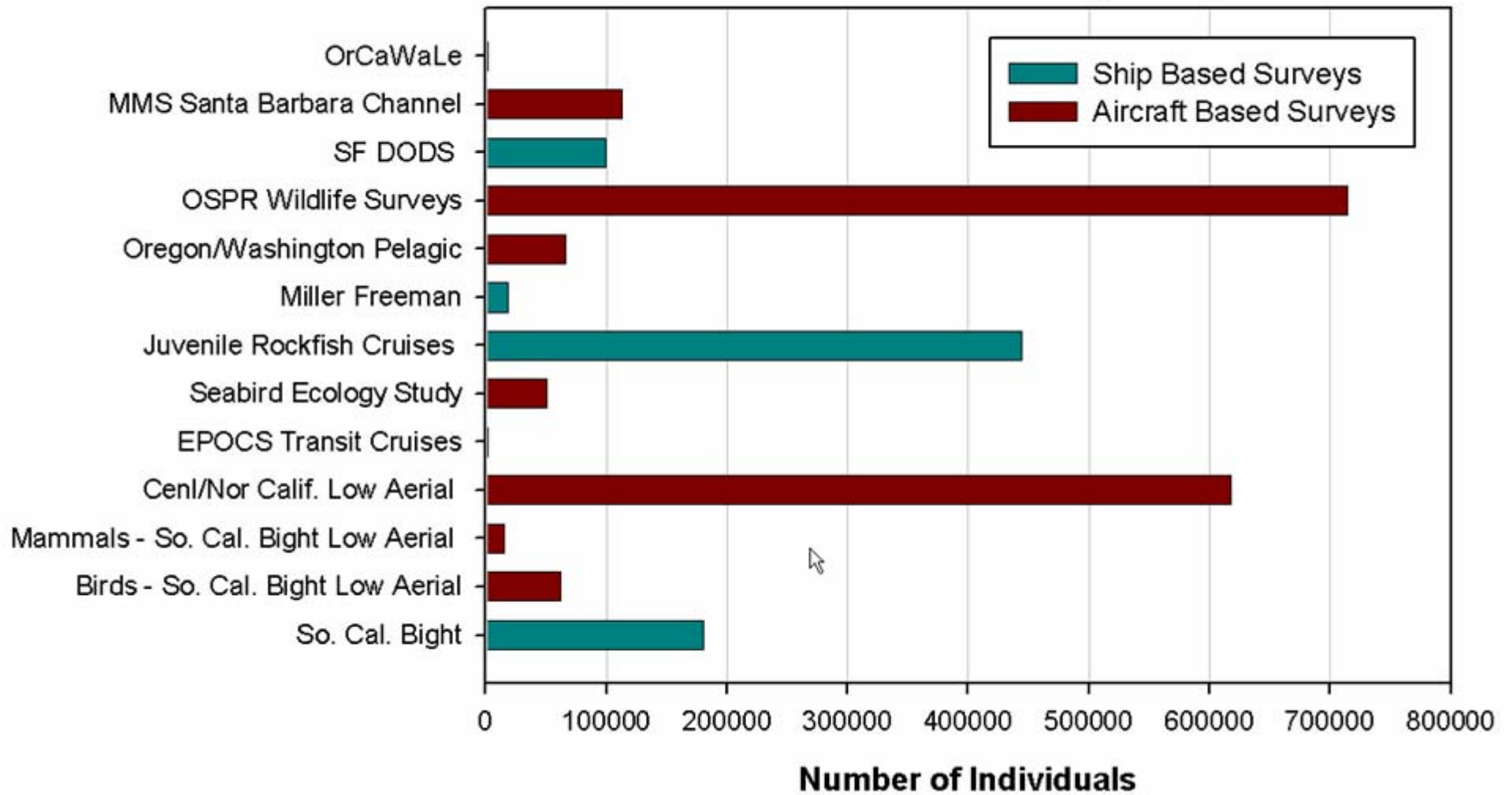
- update the old MMAS CDAS (Version 2.1)
- historical database including most offshore surveys from 1975 to 2008
- sea and air surveys
- over 610,000 km of survey effort
- over 2.5 million sightings
- integrated with each other
- can immediately integrate new data
- used during *Cosco Busan* response



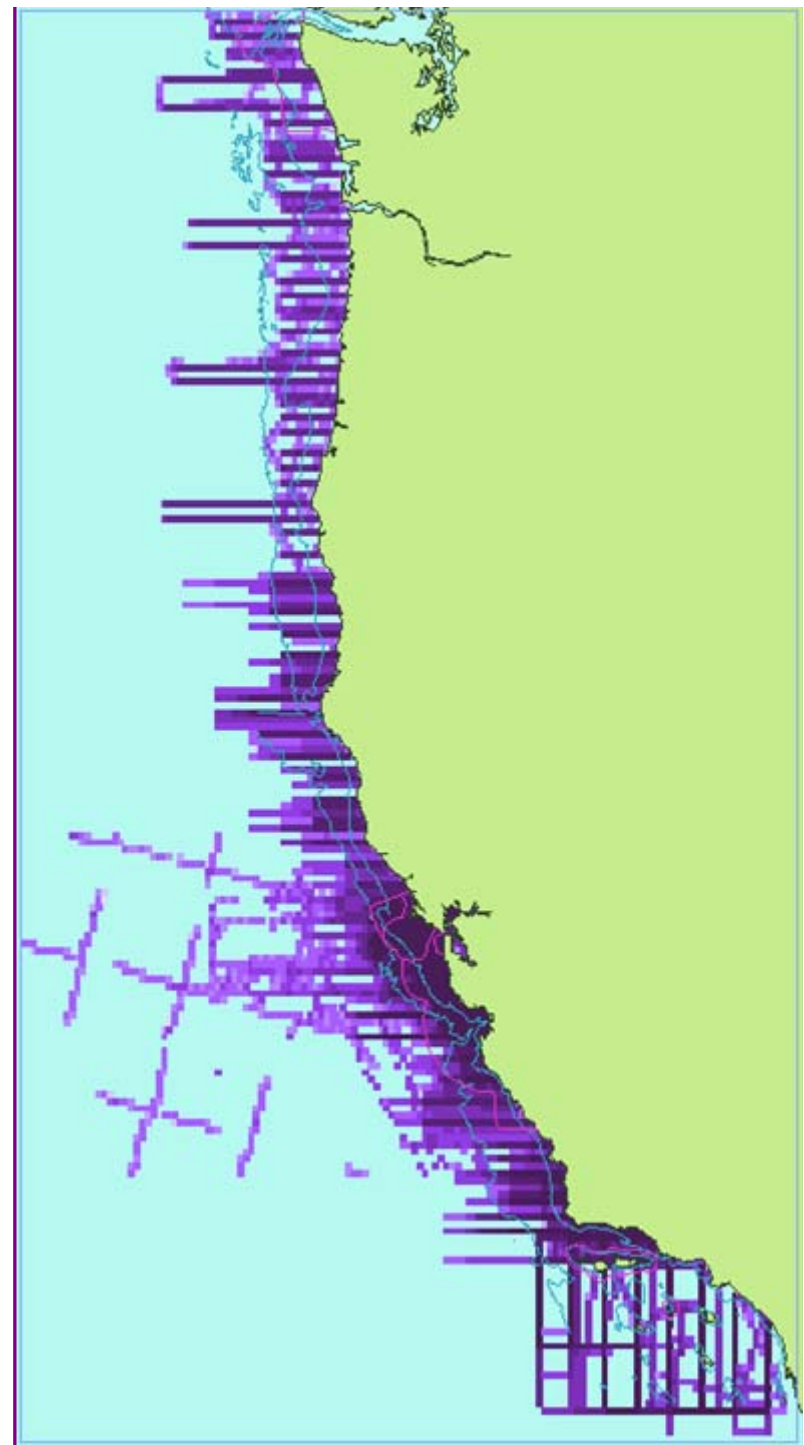
The Data



Individuals Observed by Study



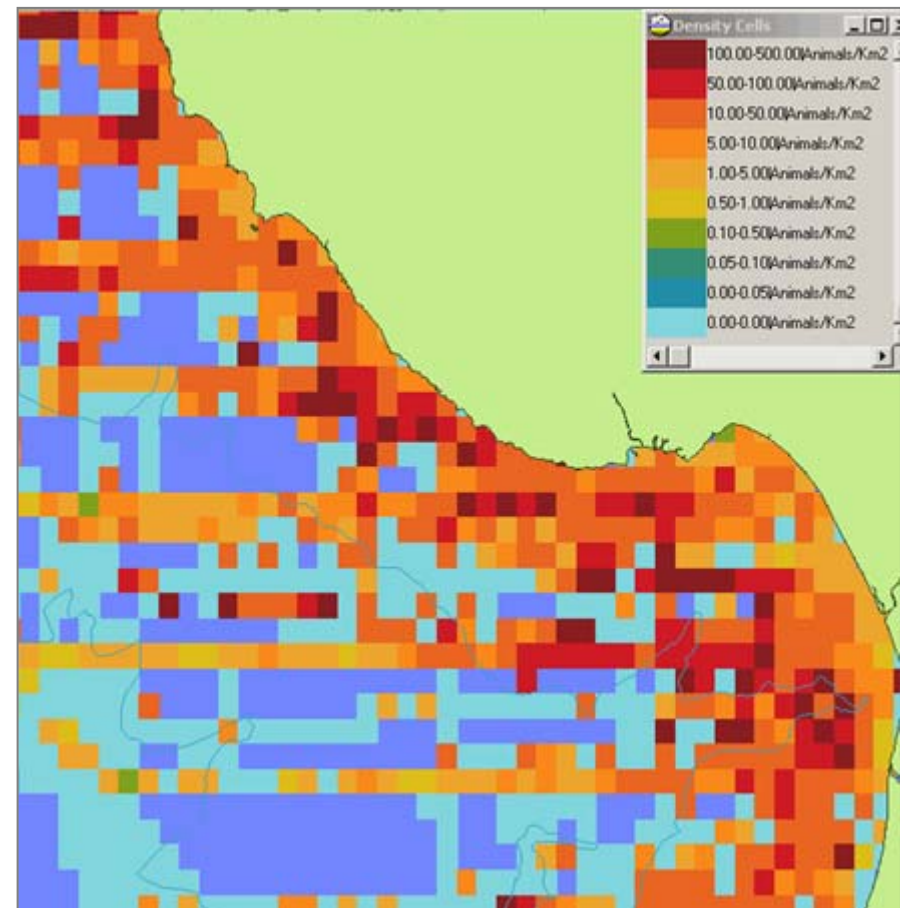
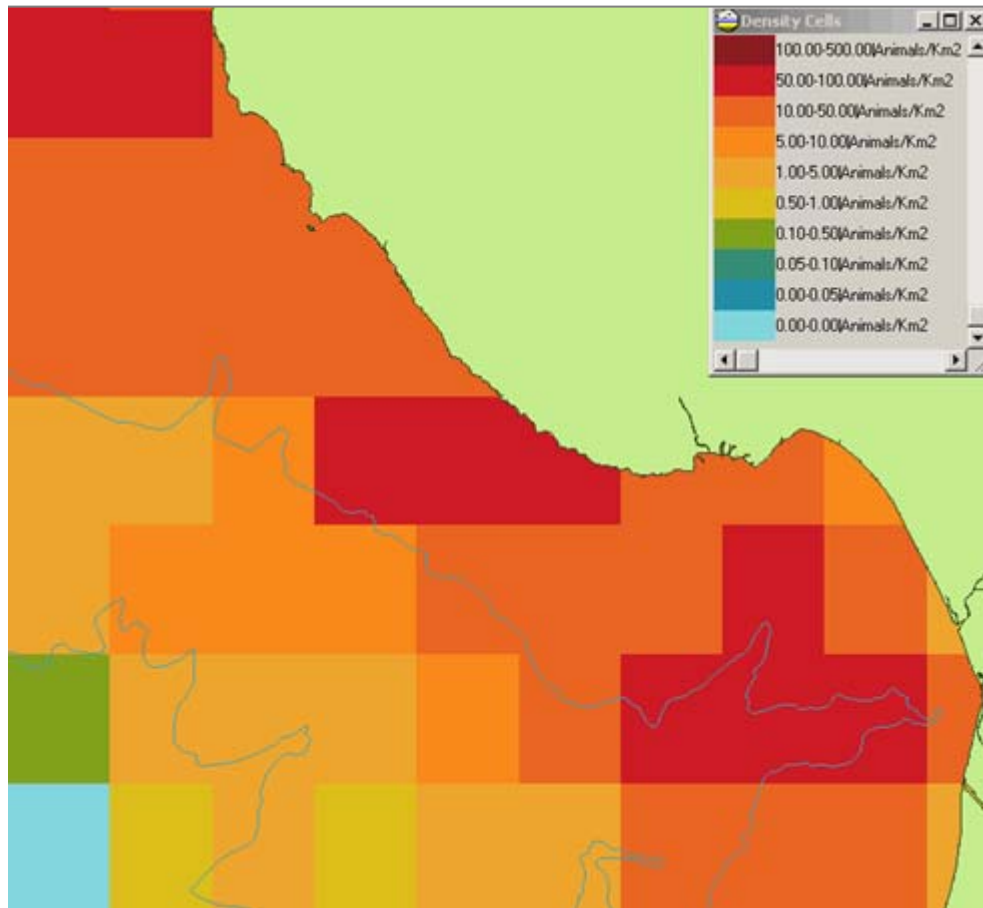
All tracklines



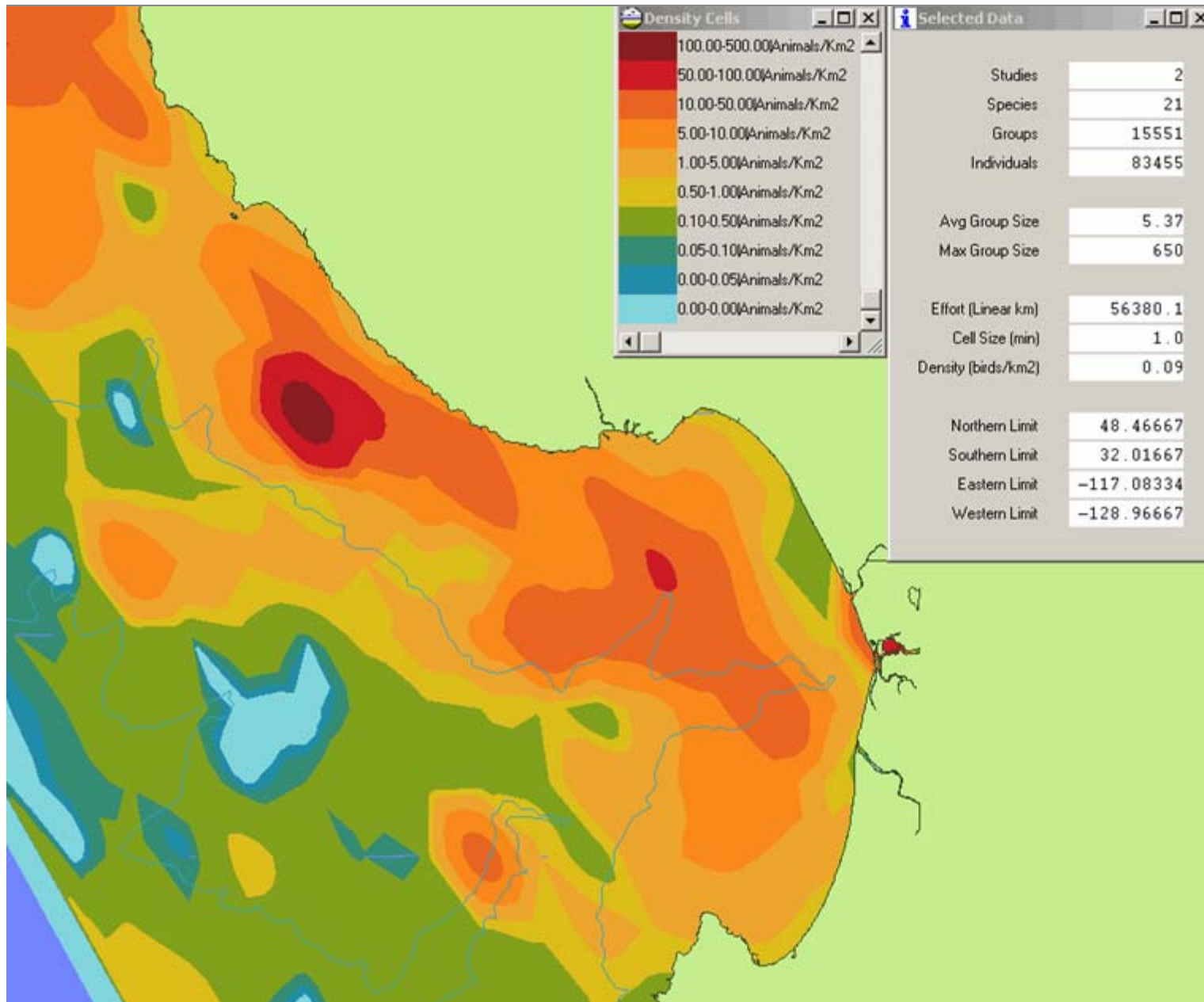
Individual Observations



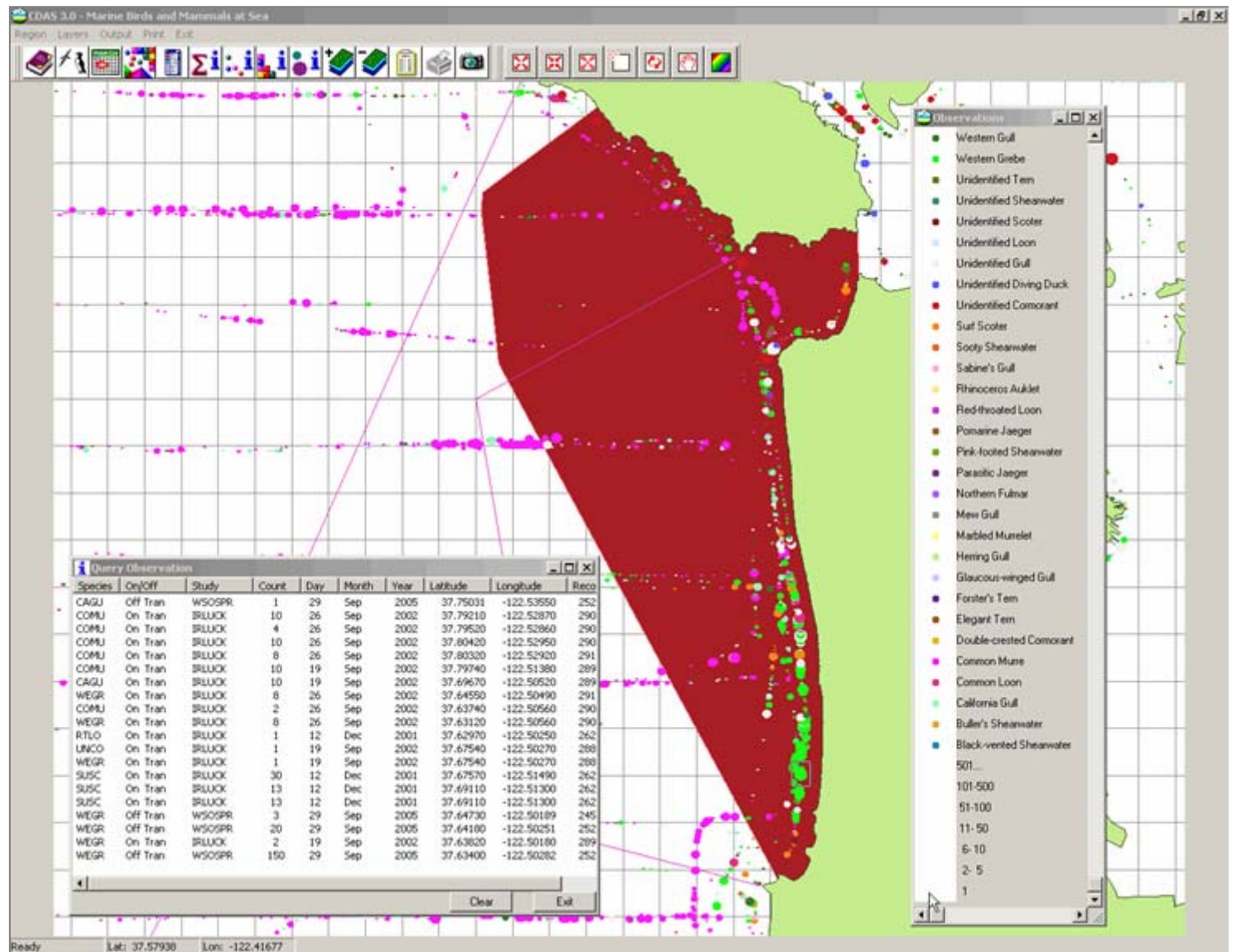
Density Blocks



Density Contours

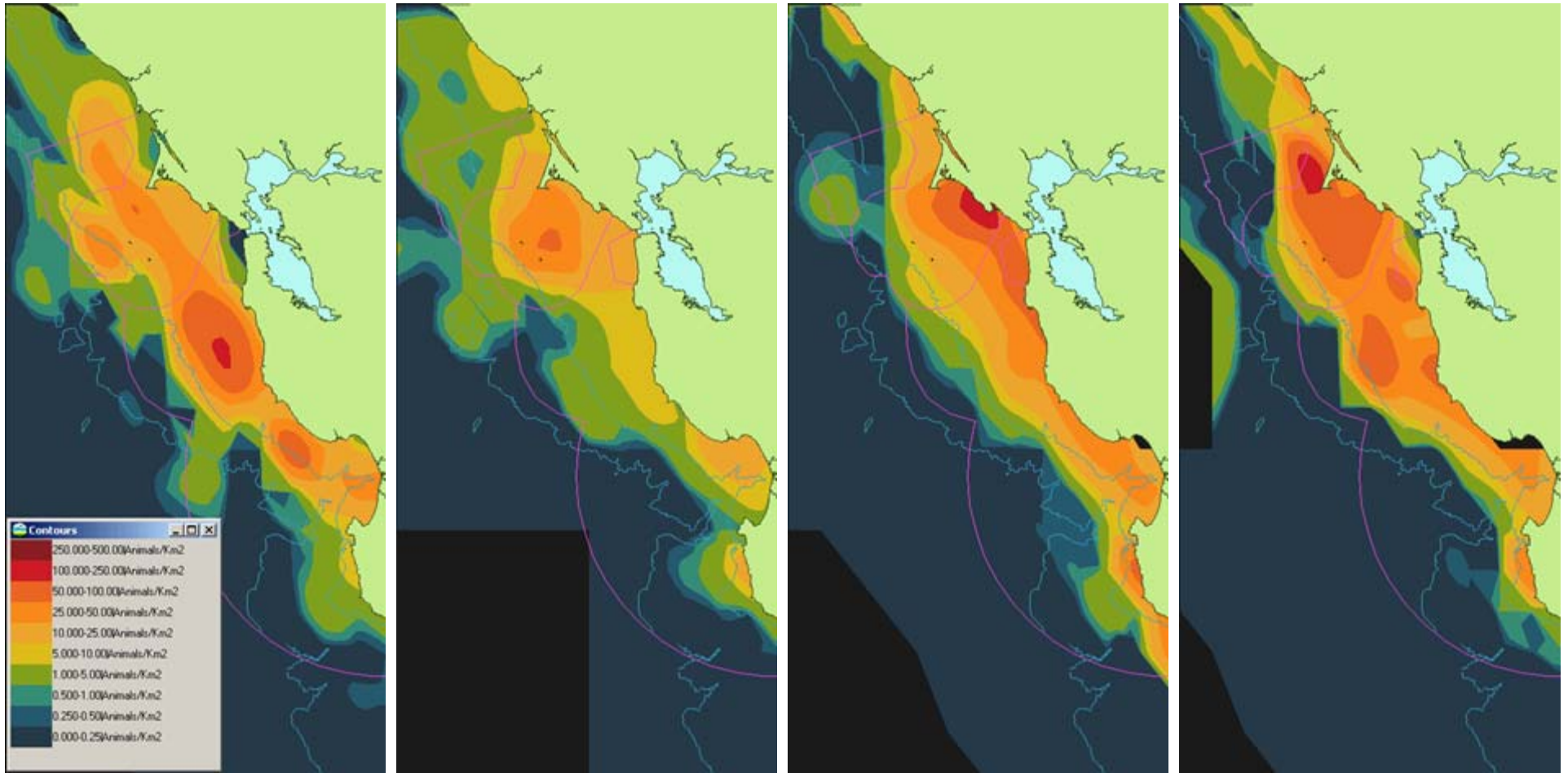


For Oil Spill Response and Planning



Queries





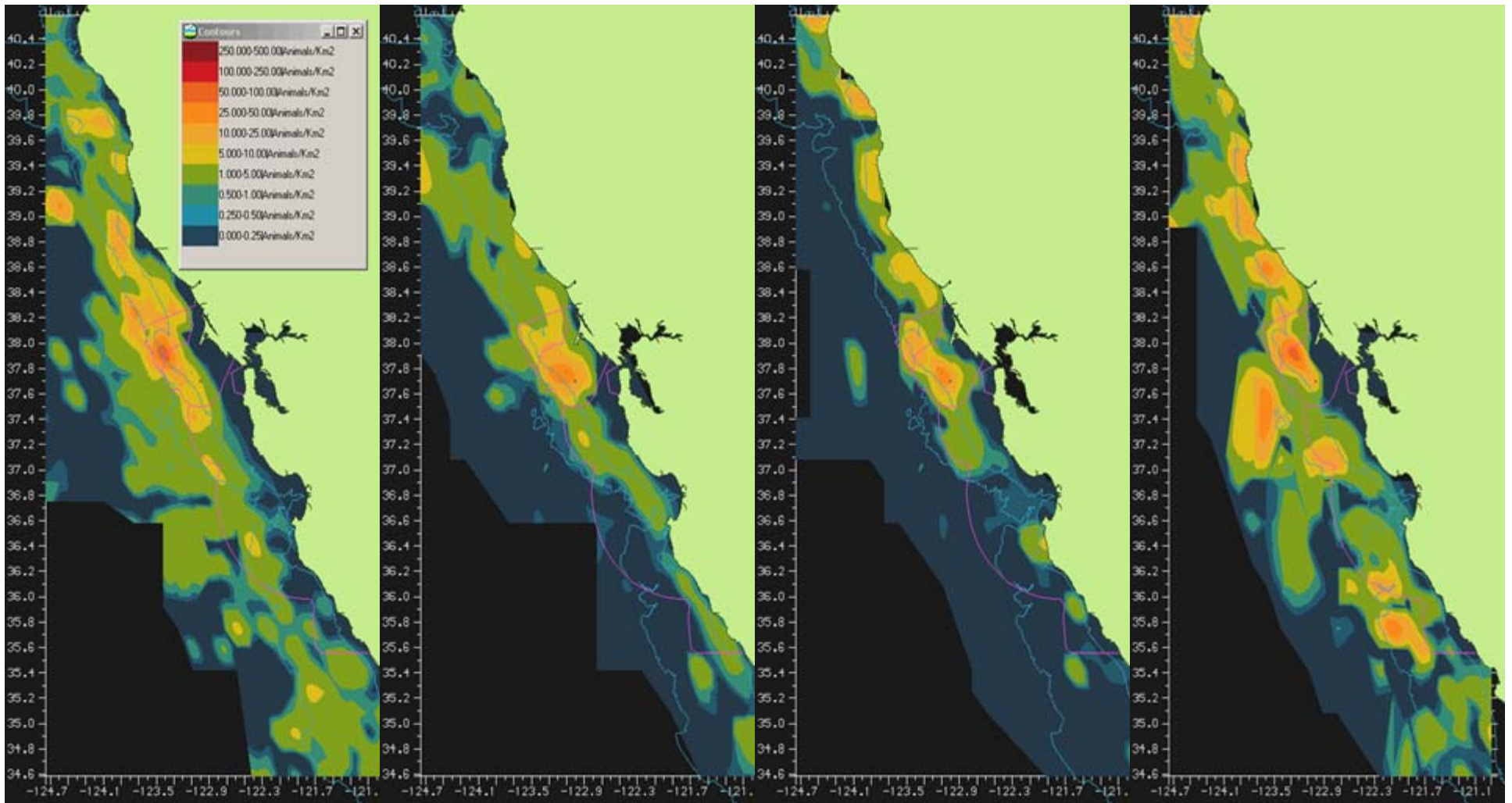
Jan-Mar

Apr-Jun

Jul-Sep

Oct-Dec

Common Murre seasonal variation



Jan-Mar

Apr-Jun

Jul-Sep

Oct-Dec

Cassin's Auklet seasonal variation

Availability



Acknowledgements

This work was carried out under an OSPR SSEP contract, administered by UCSC. We are grateful to the investigators whose data we used in this compilation. We are especially grateful to the many observers who spent uncounted hours staring at the ocean, steadfastly recording everything in their path.

