



7th International Workshop on [Detection, Classification, Localization, and Density Estimation] **of Marine Mammals** **using Passive Acoustics**

Introduction to the Workshop Dataset

John Hildebrand
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Odontocetes of Southern California

Pacific White-sided



Dall's Porpoise



Long Beaked
Common



Short Beaked
Common



Risso's Dolphin



Sperm whale



Bottlenose



Beaked Whales of Southern California



Baird's Beaked Whale



Perrin's Beaked Whale



Cuvier's Beaked Whale



Pygmy Beaked Whale



Stejneger's Beaked Whale



Hubbs' Beaked Whale

Illustrations from Brett Jarrett

Mysticetes of Southern California

Blue Whale



Gray Whale



Fin Whale



Minke Whale



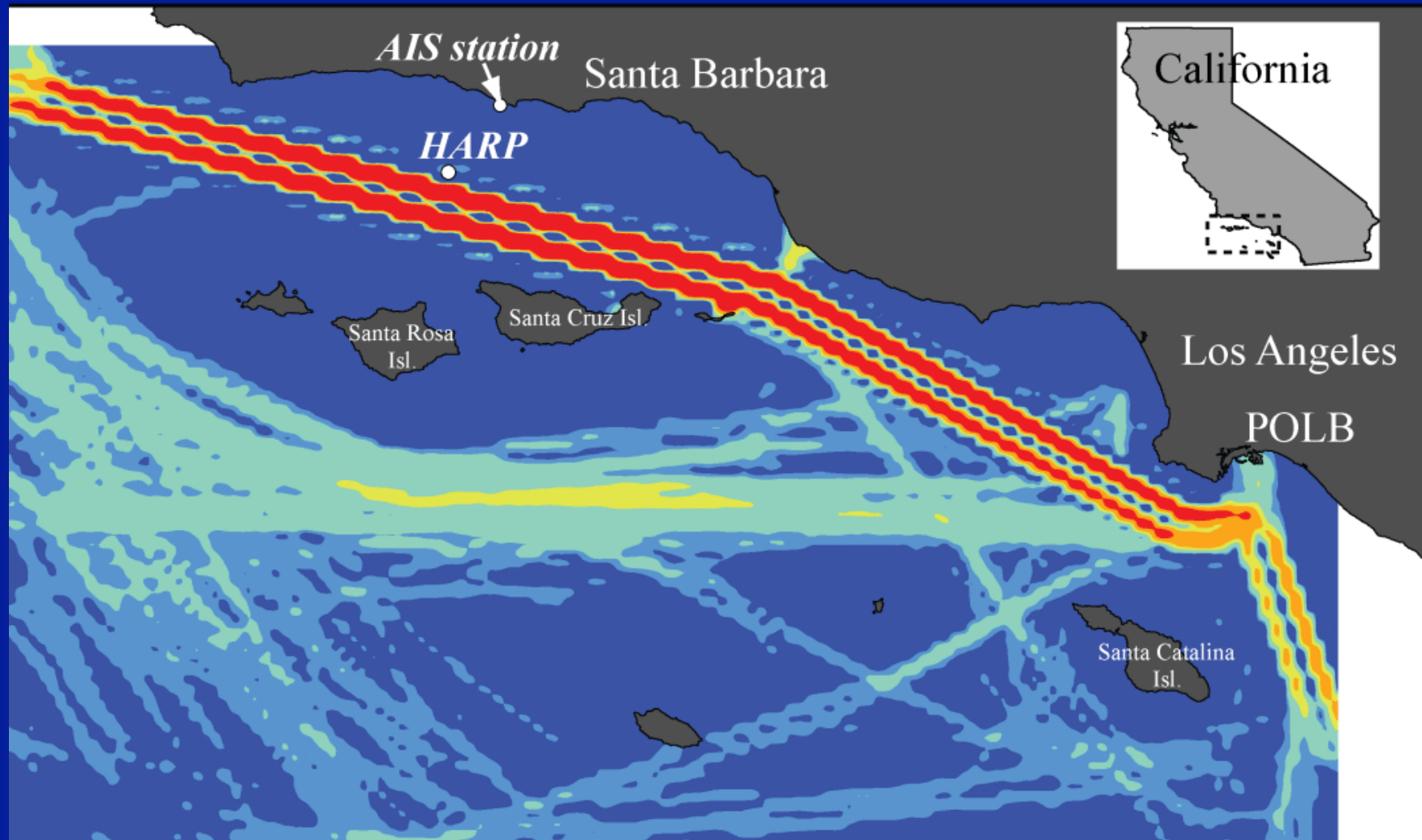
Brydes
Whale



Humpback Whale

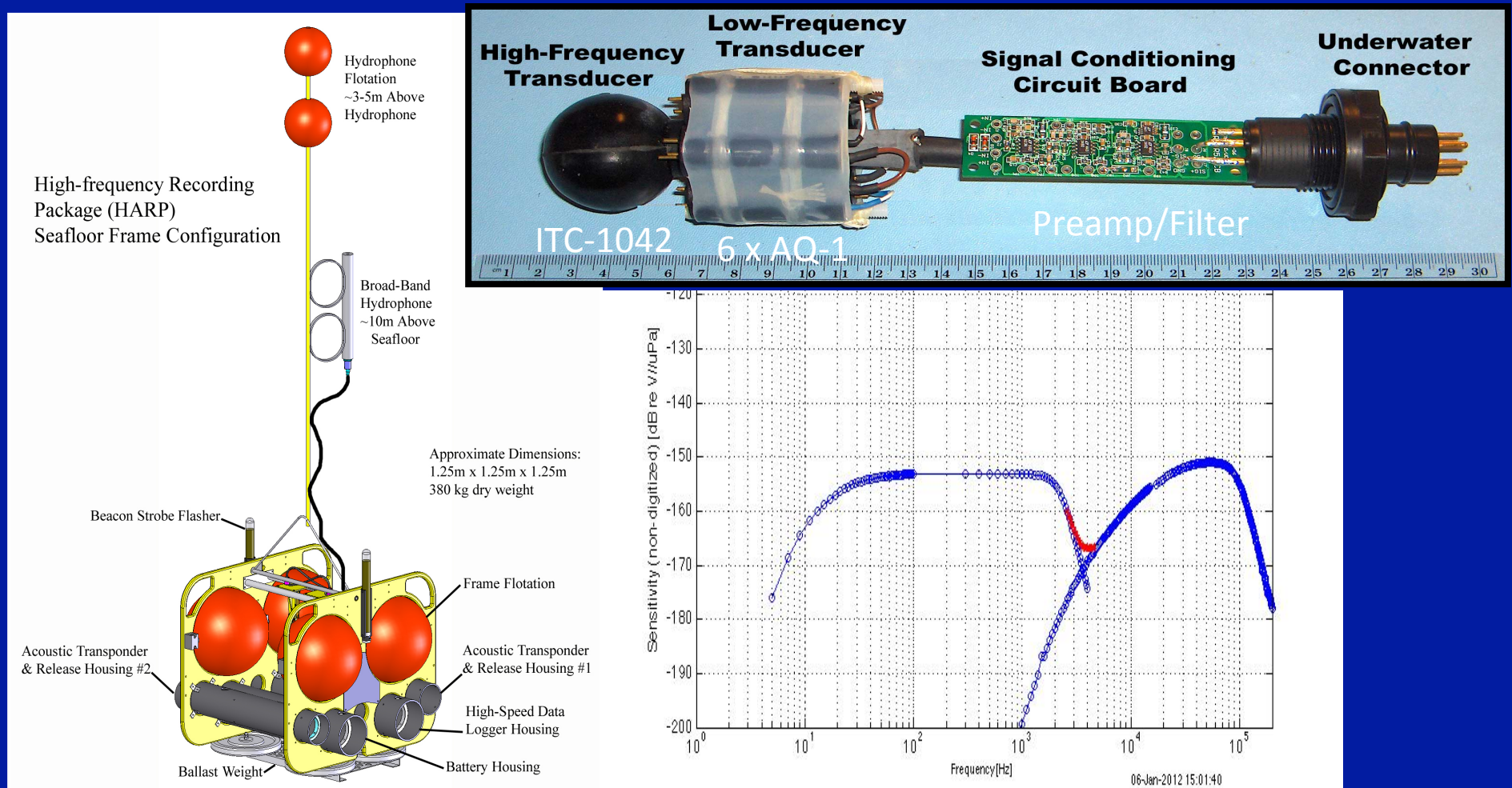


Southern California shipping traffic

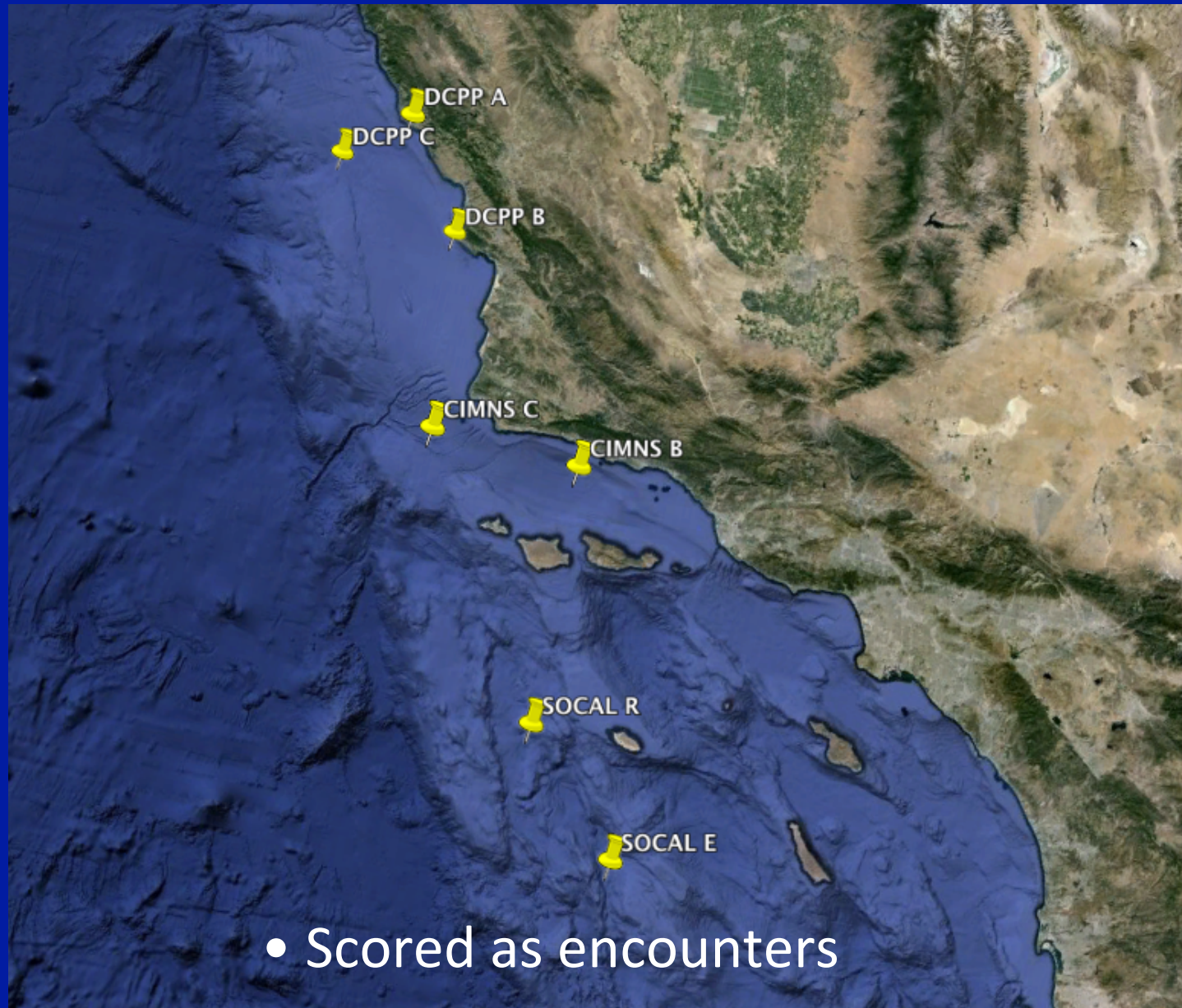


Acoustic Monitoring Methods

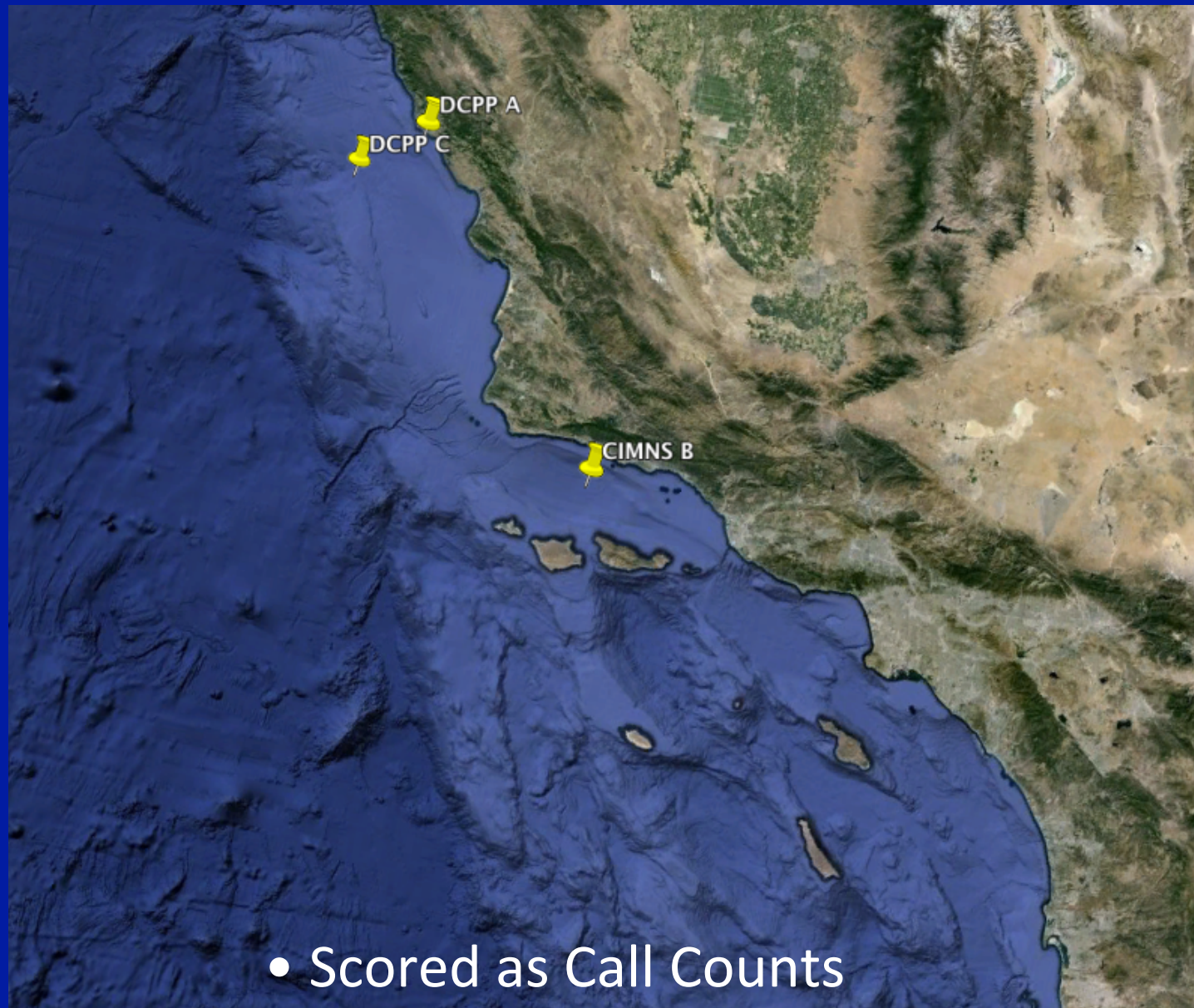
- High-Frequency Acoustic Recording Package (HARP)
- Sample rates 200 kHz or 320 kHz



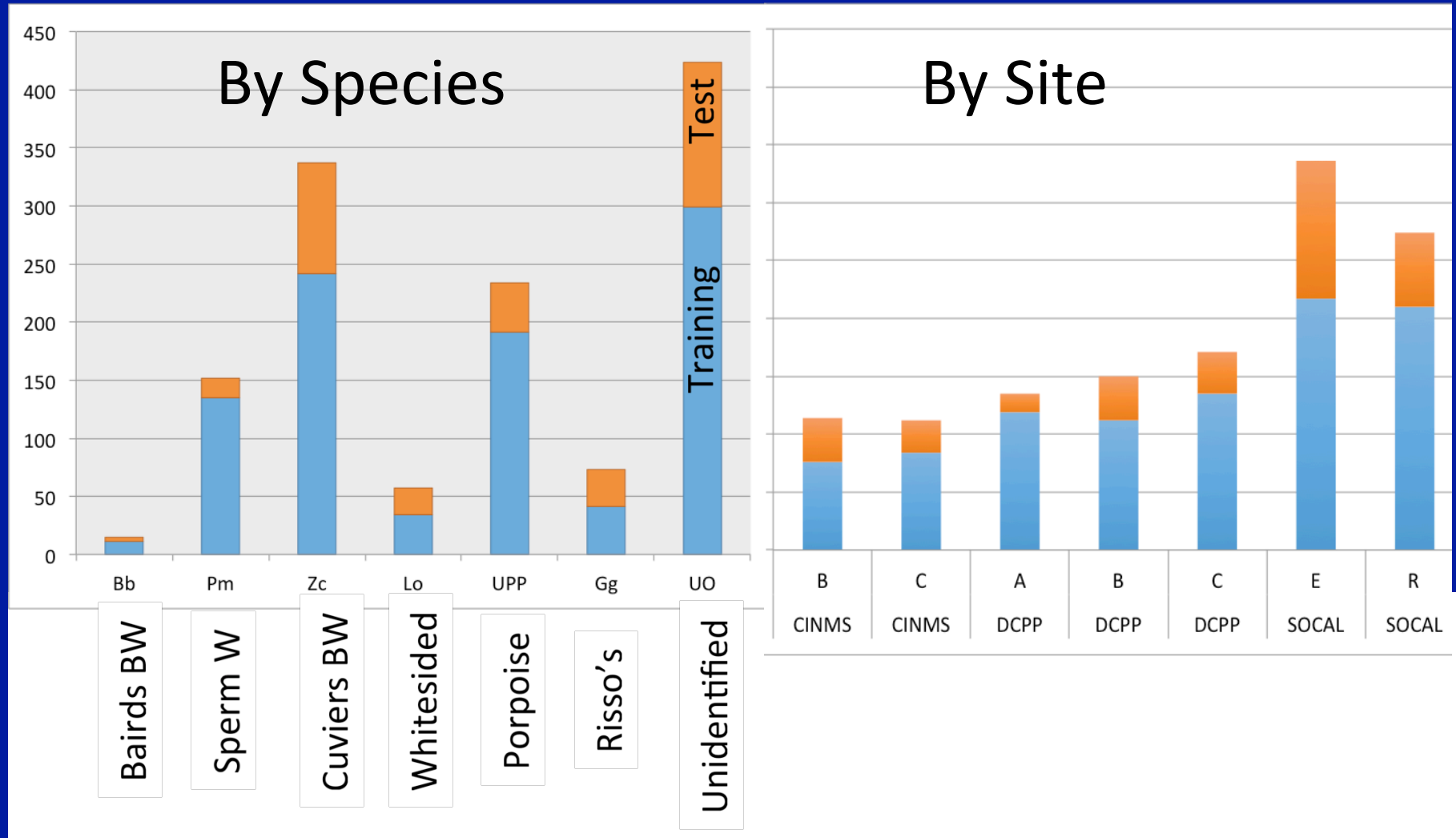
High Frequency Dataset Locations



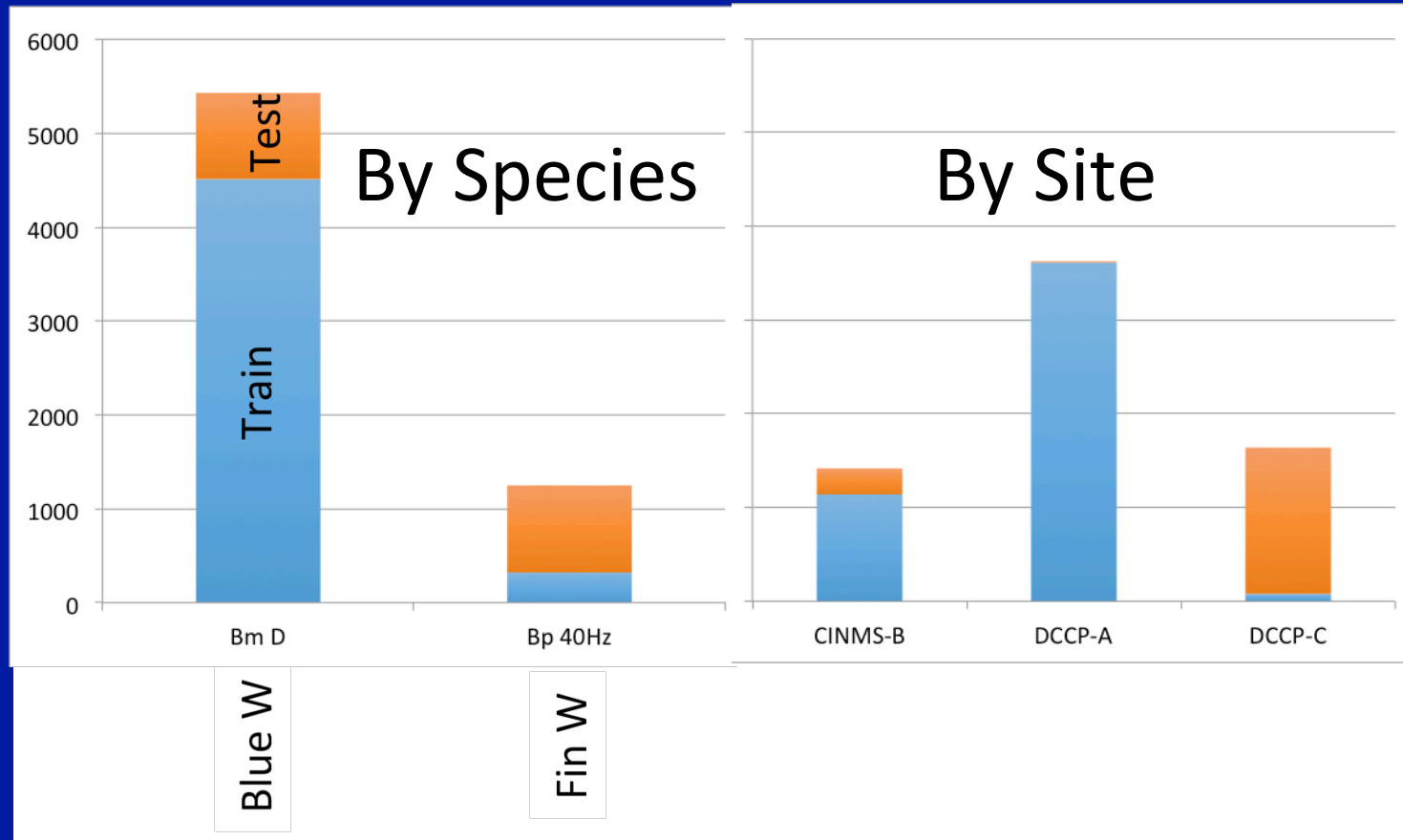
Low Frequency Dataset Locations



High Frequency Training and Test Data Numbers of Encounters



Low Frequency Training and Test Data Numbers of Calls



THANK YOU

LMR – Bob Gisiner and Anu Kumar



High Frequency Data – Simone Baumann-Pickering
Jenny Trickey and Amanda Debich

Low Frequency Data – Ana Sirovic, Ally Rice,
Sarah Johnson and Leah Varga

Logistics – Erin O'Neill and Beve Kennedy

Code/Procedure – Marie Roch