

Where to for Whales?

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Tikapa Moana
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Bryde's whales in Hauraki Gulf

46 (CV = 0.08) Hauraki Gulf core range (Wiseman 2008)

Variation in population structure

Year round residents; non-migratory

Nationally critical, secure offshore (Baker et al. 2010)



A photograph of a whale breaching the ocean surface, with a large ship visible in the background. The whale's dark back and dorsal fin are visible above the water. The ship is a large, multi-decked vessel with a red hull and white superstructure, positioned in the upper right quadrant of the image. The ocean is dark blue with small waves, and the sky is a pale, overcast grey.

1989 -2010

46 whales

85% Bryde's whales ($n = 39$)

16 probable cause of mortality known

13 vessel-strike mortality

3 gear entanglement (Behrens 2009)







BEWARE OF BULB
L=5.5



90
88
86
84
82
80
78
76

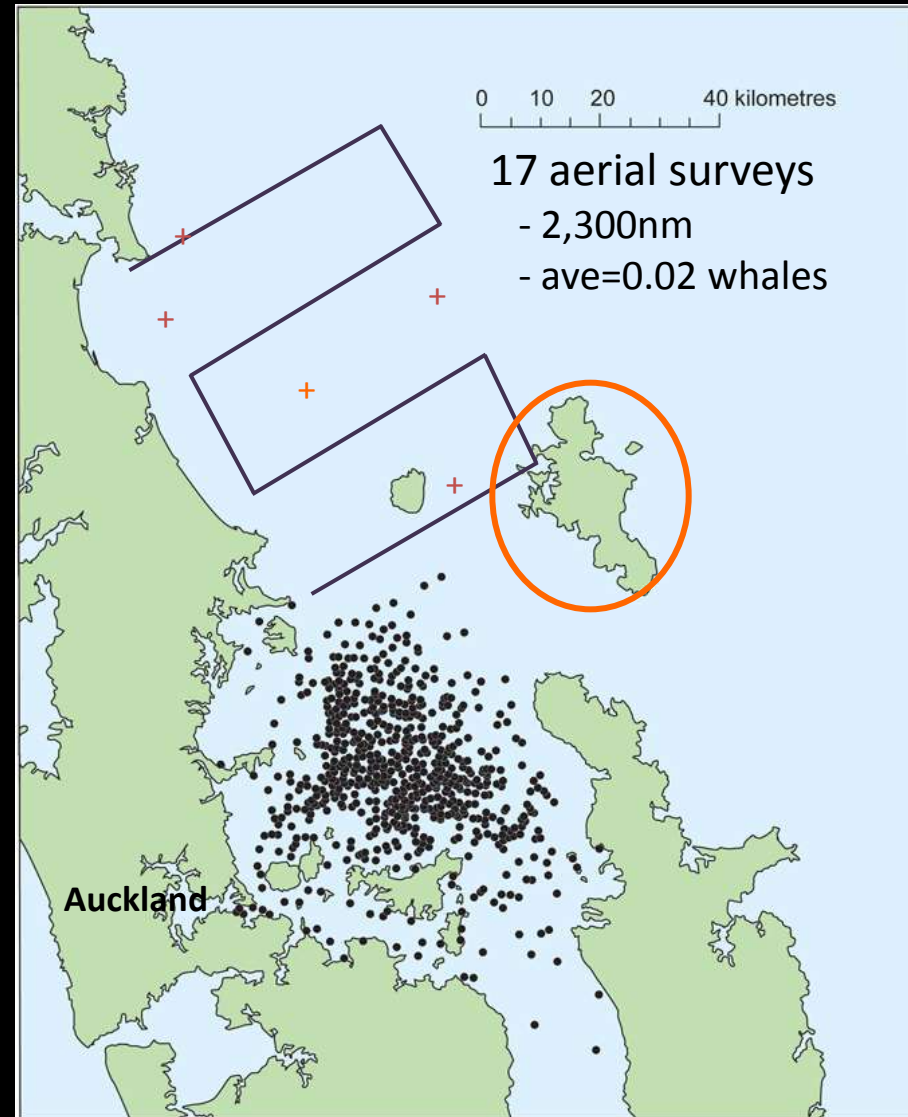
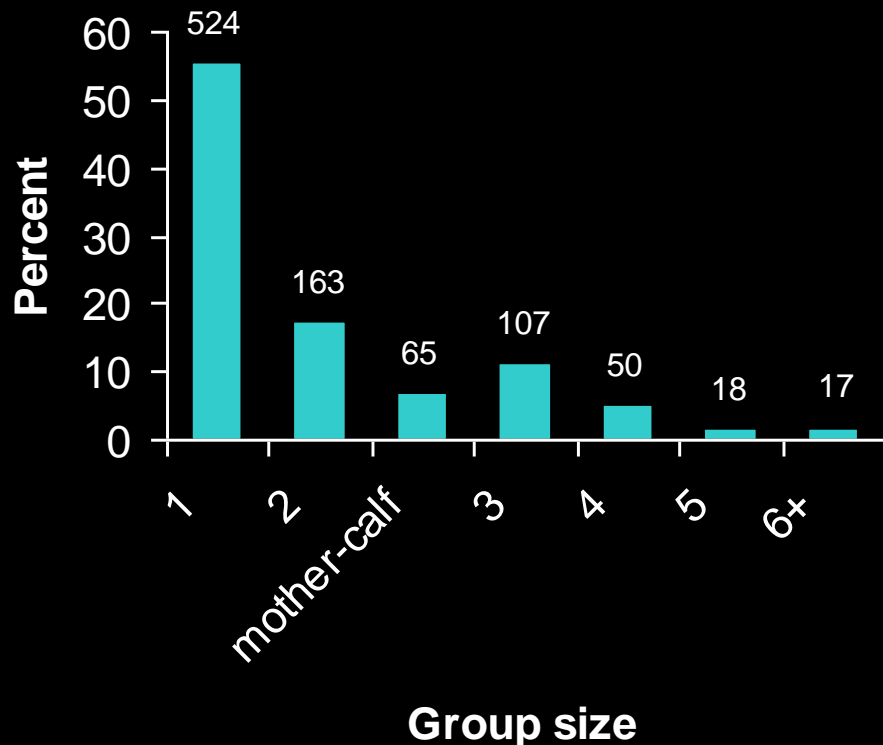
whales concentrated in inner gulf

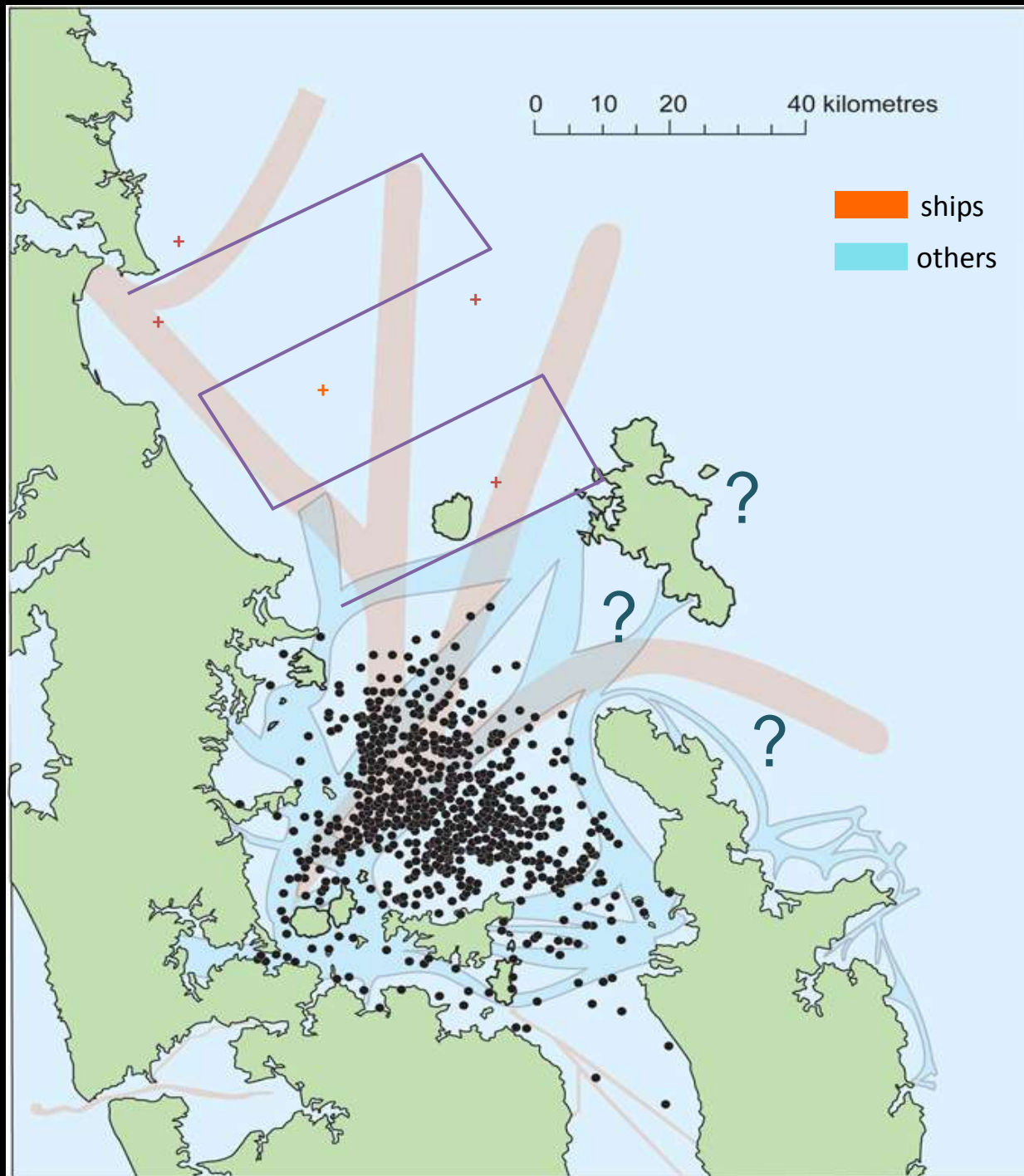
1,820 boat surveys

- 944 groups of whales

- 1,710 whales

(ave = 1.8 whales/survey)

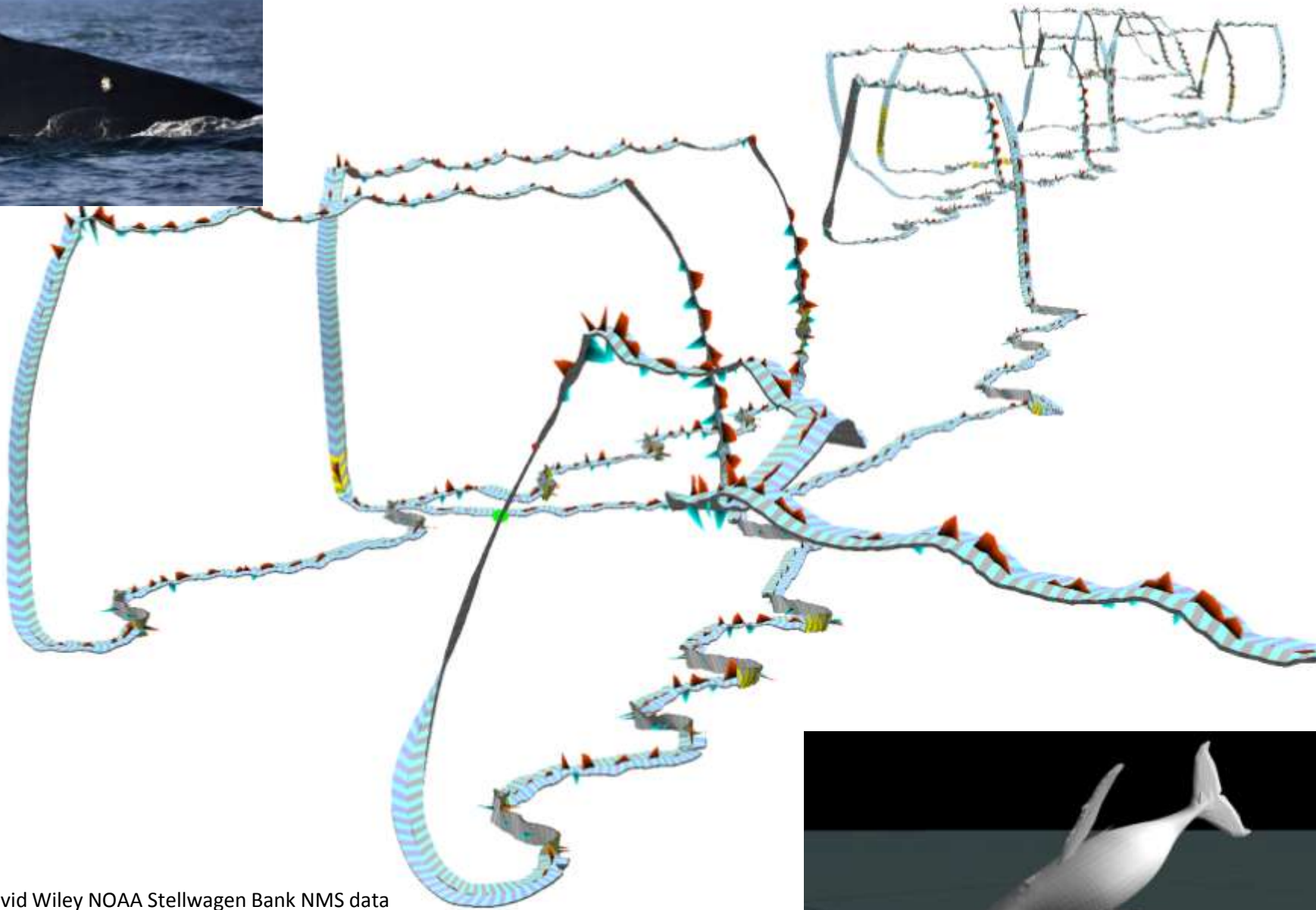






Doug Perrine Photo





David Wiley NOAA Stellwagen Bank NMS data



Body orientation during side-rolls



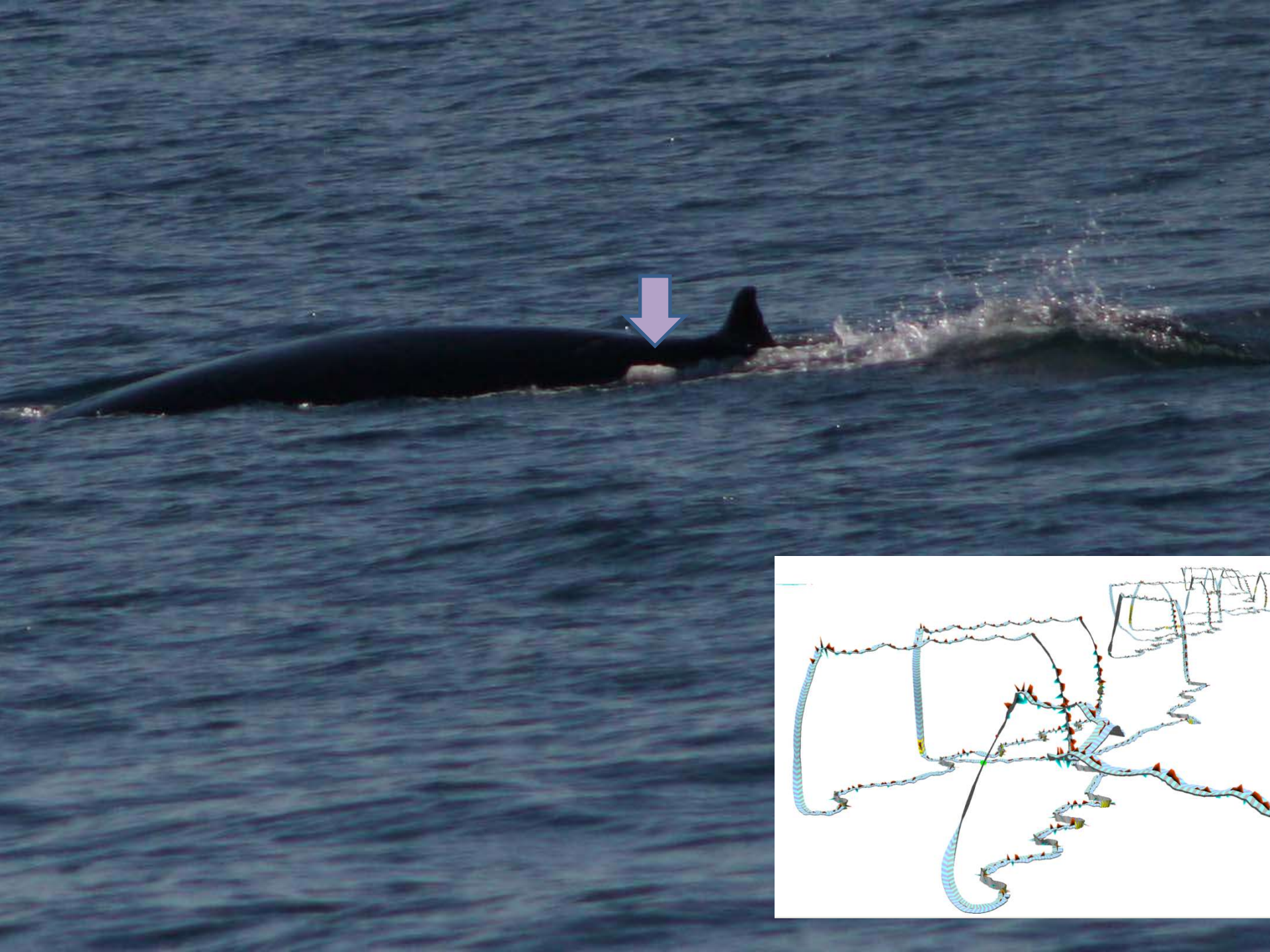
Hawere

MSA 125731









acoustics



diet





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