

Incorporating expanded sampling into an alternative abundance index for the Fall Midwater Trawl Survey

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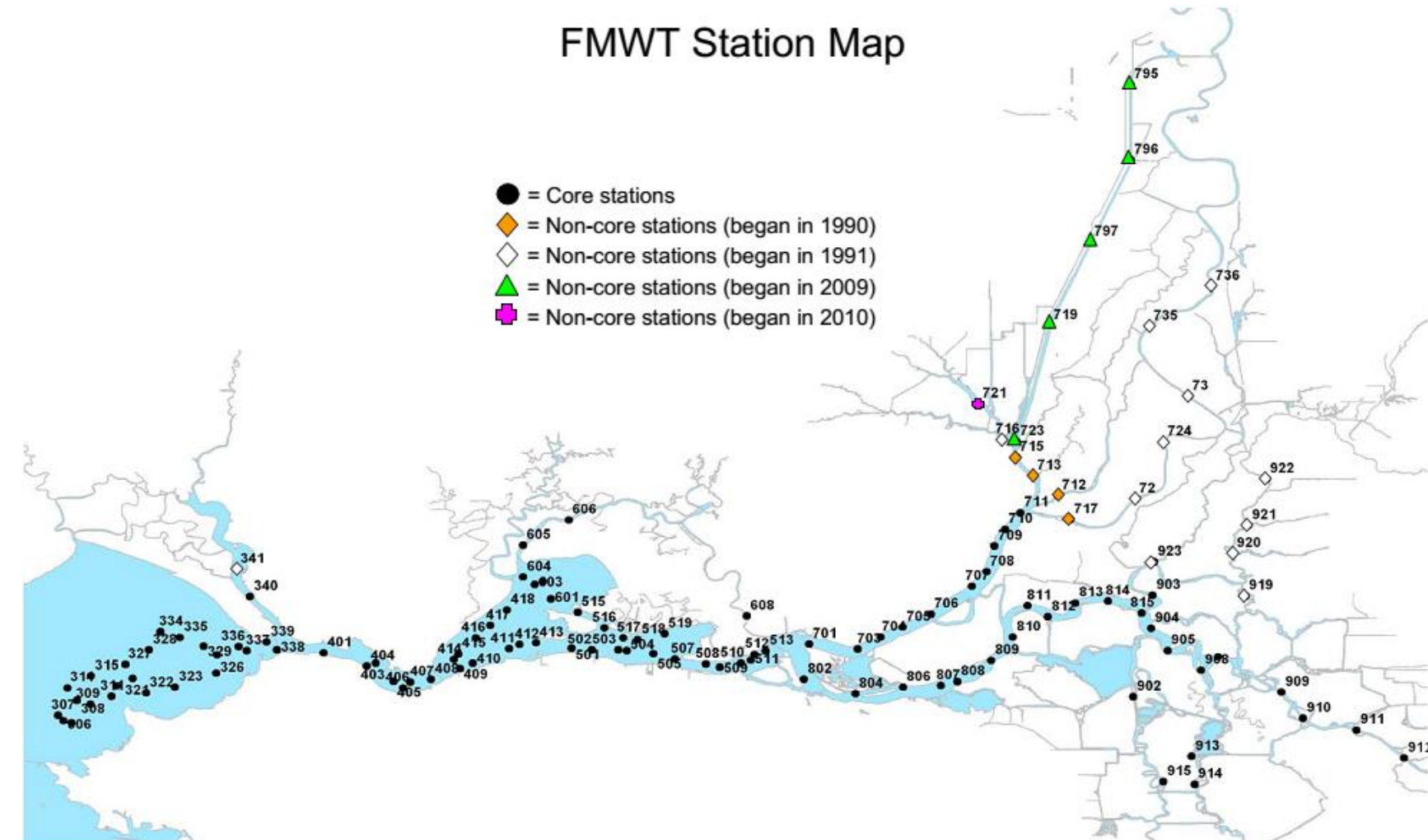
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INTRO

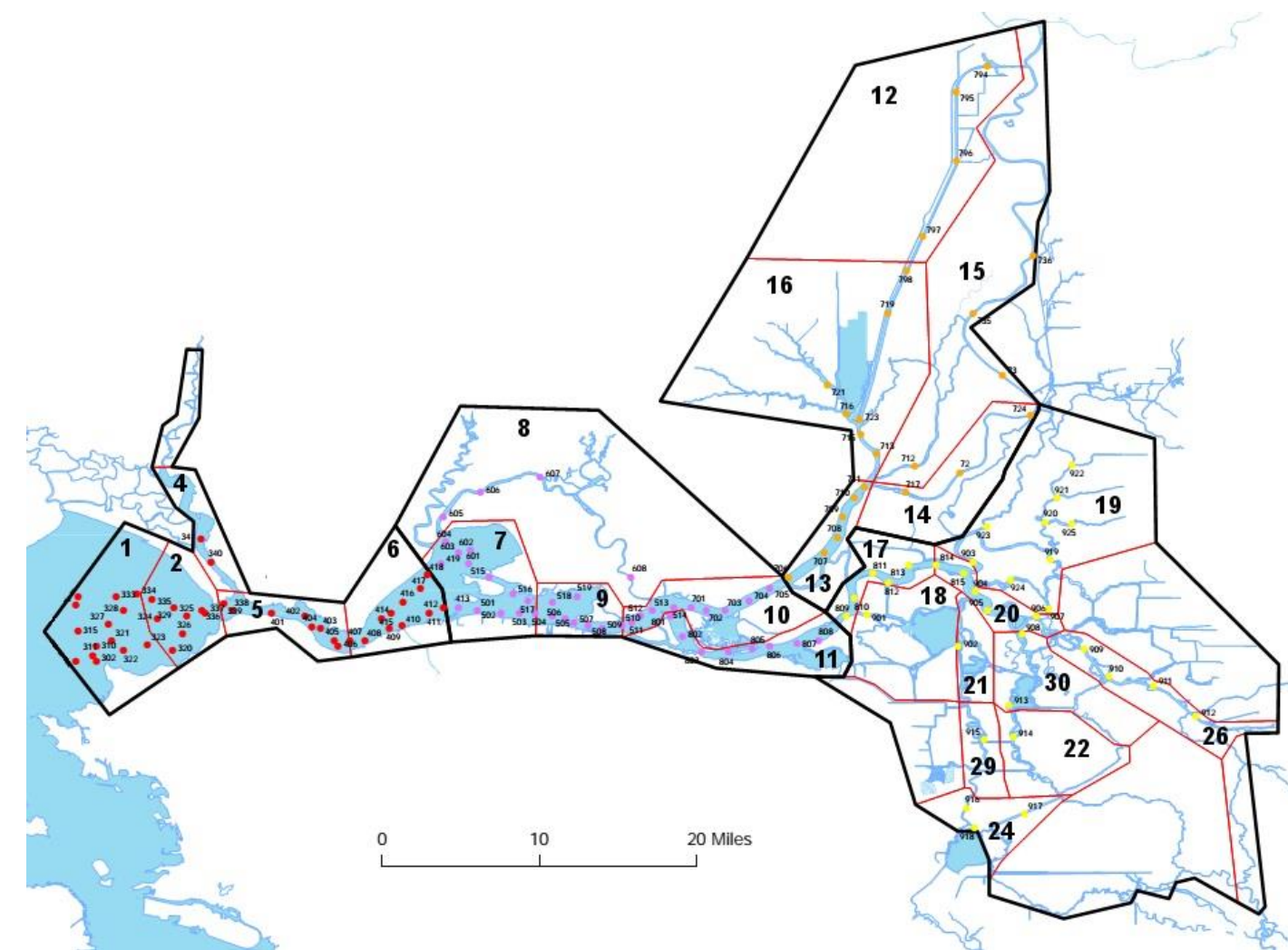
- FMWT has sampled fish abundance in the SF estuary since 1967.
- FMWT data used to make management decisions regarding operation of the CVP and SWP pumps.
- 22 non-core sites were added to the FMWT survey 8-28 years ago to increase understanding of Delta Smelt distribution.
- Only the original 100 (core) stations are reported in abundance index memos.

FMWT Station Map



METHODS

- Calculated new abundance indices and CPUE values using updated water volumes and station groupings.



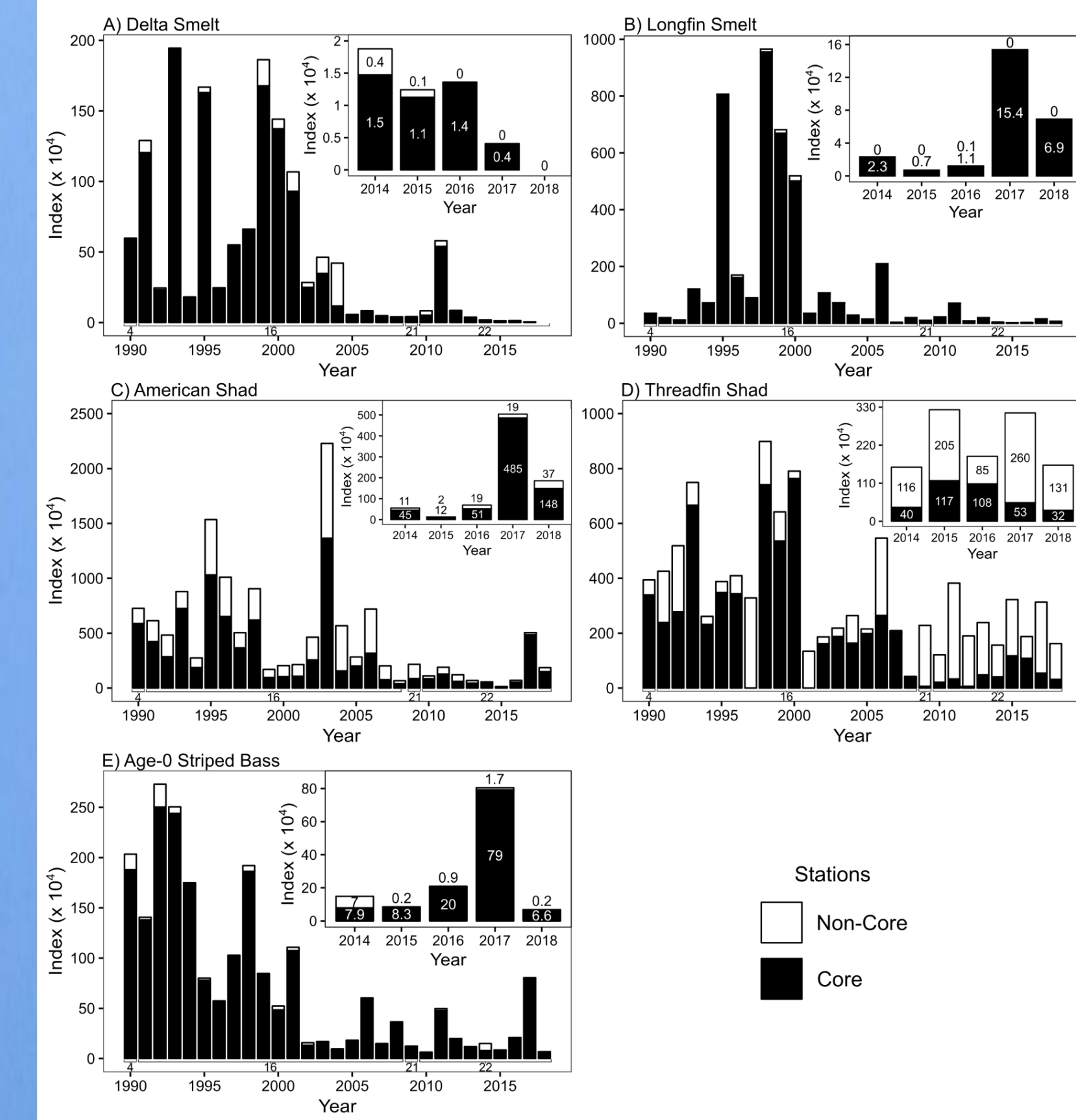
RESULTS

- Non-core stations added useful catch data for all species except Longfin Smelt.

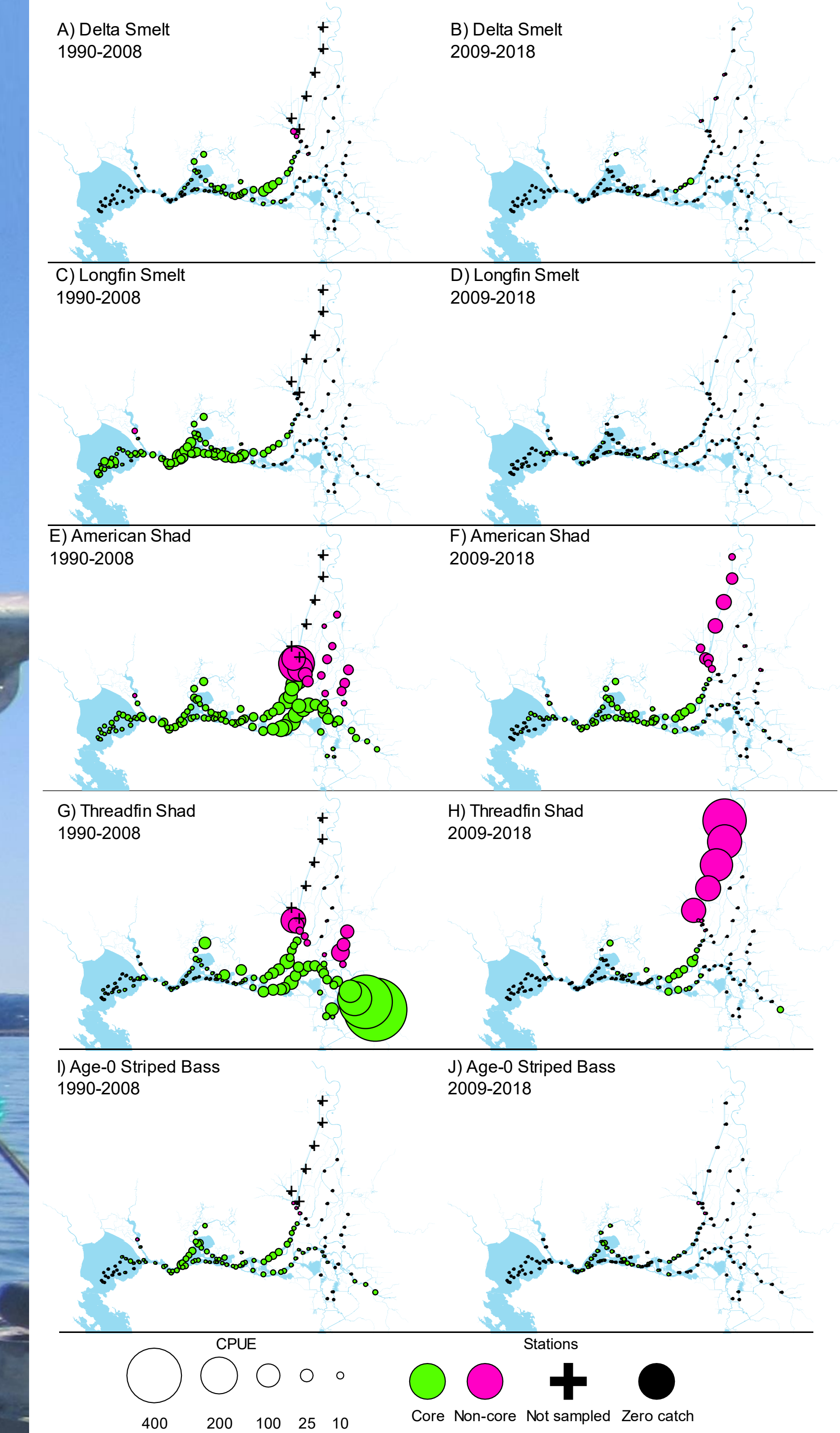
Recently added Fall Midwater Trawl sites provide valuable catch data that is under reported.



Alternative Index



CPUE



Delta Smelt illustration used with permission by artist, René Reyes.

SUPPORTING AGENCIES

