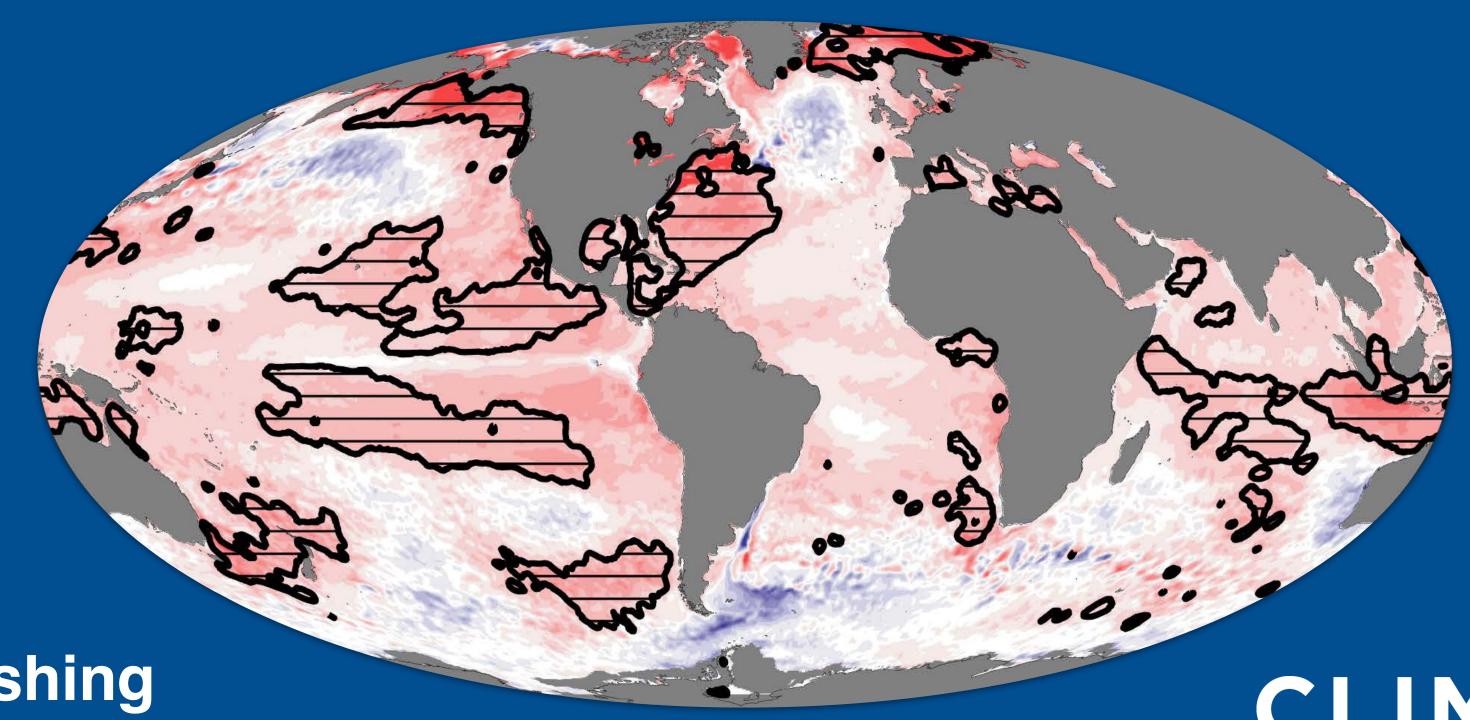
Marine Heatwaves in the NW Atlantic



Andrew J. Pershing

@sci_officer,

apershing@climatecentral.org

CLIMATE

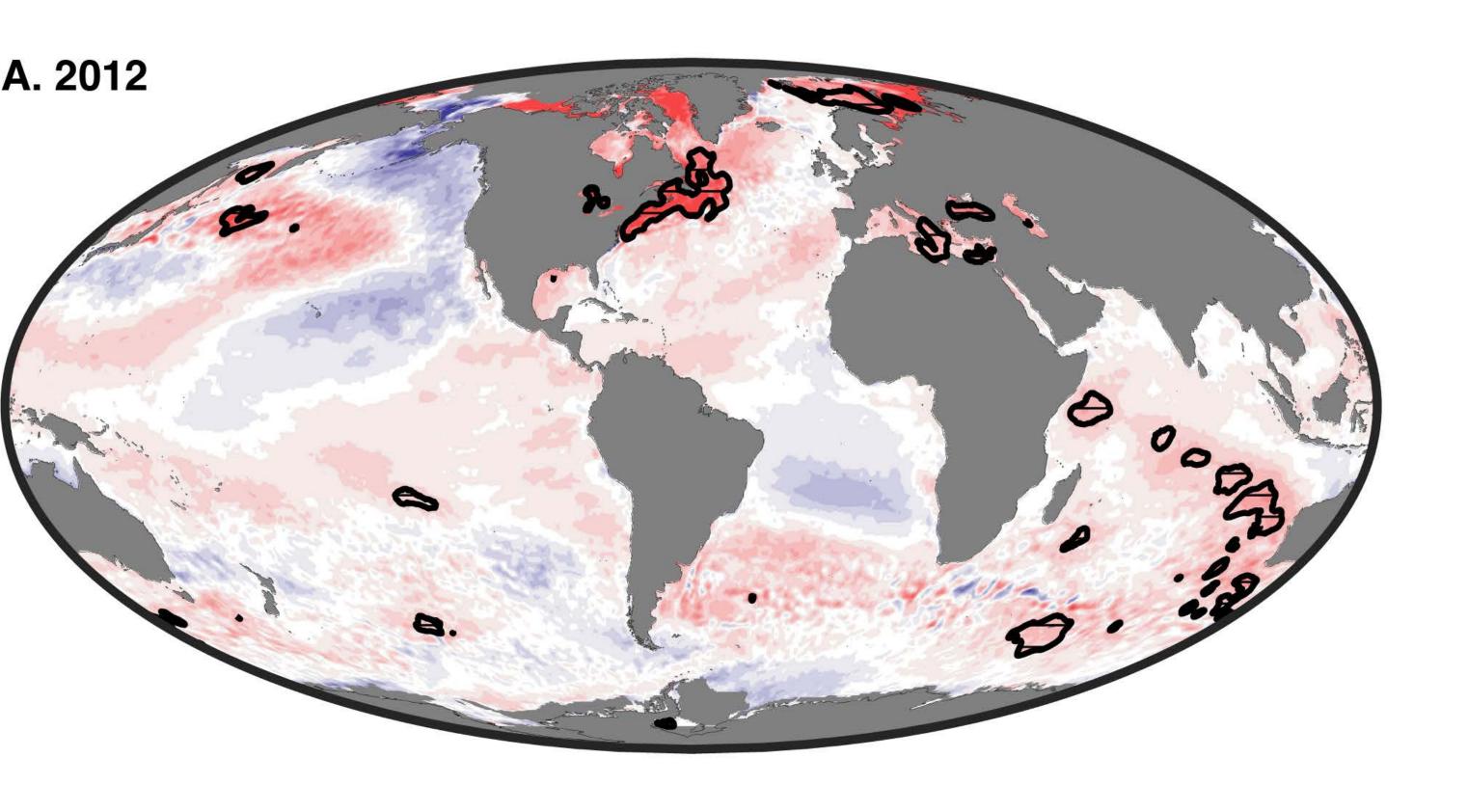


Climate Central

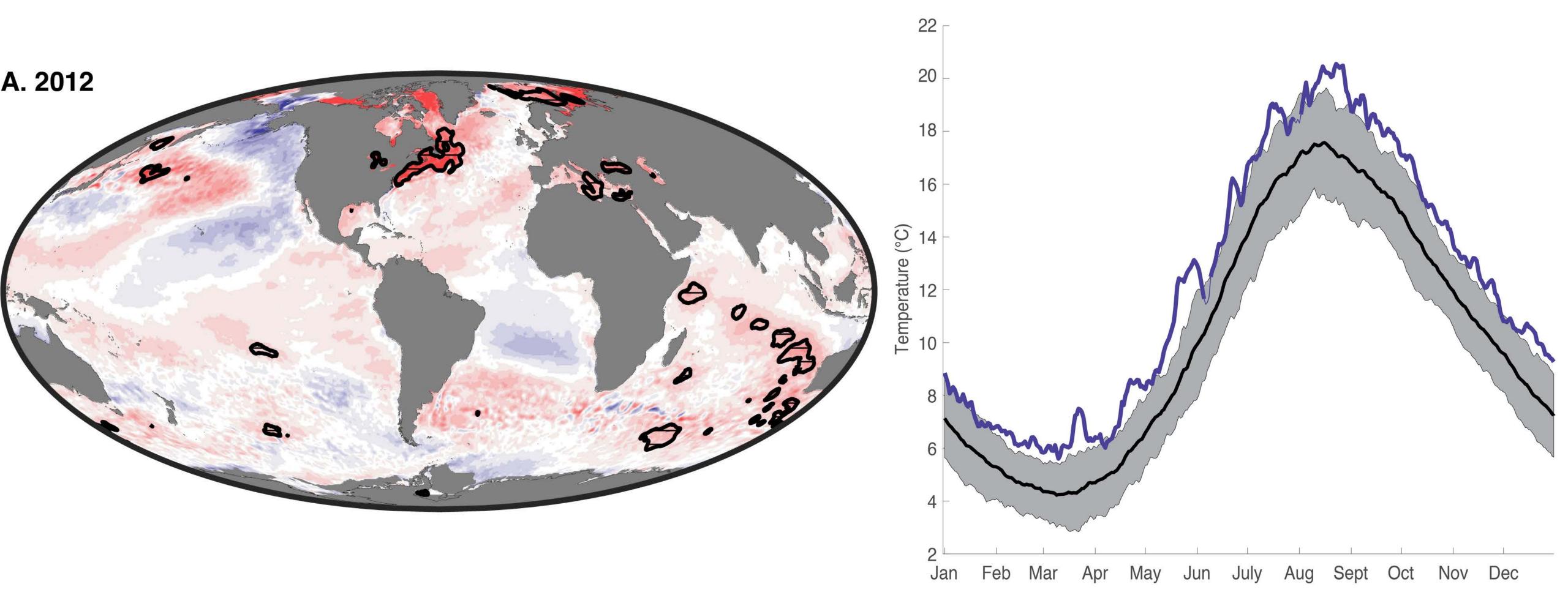
- Climate science research and communications NGO, founded 2008
- 30 staff, most @ Princeton, NJ
- Non-partisan, policy/technology neutral, non-advocacy
- Catalyzing media, NGOs, government, educators, businesses
- Practitioners of climate science, climate journalism, and climate communications

















squid, National Undersea Research Center, U. Connecticut https://www.fisheries.noaa.gov/species/longfin-squid





squid, National Undersea Research Center, U. Connecticut https://www.fisheries.noaa.gov/species/longfin-squid



black sea bass, Gulf of Maine Research Institute





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butterfish, NOAA https://www.greateratlantic.fisheries.noaa.gov/sustainable/index.html





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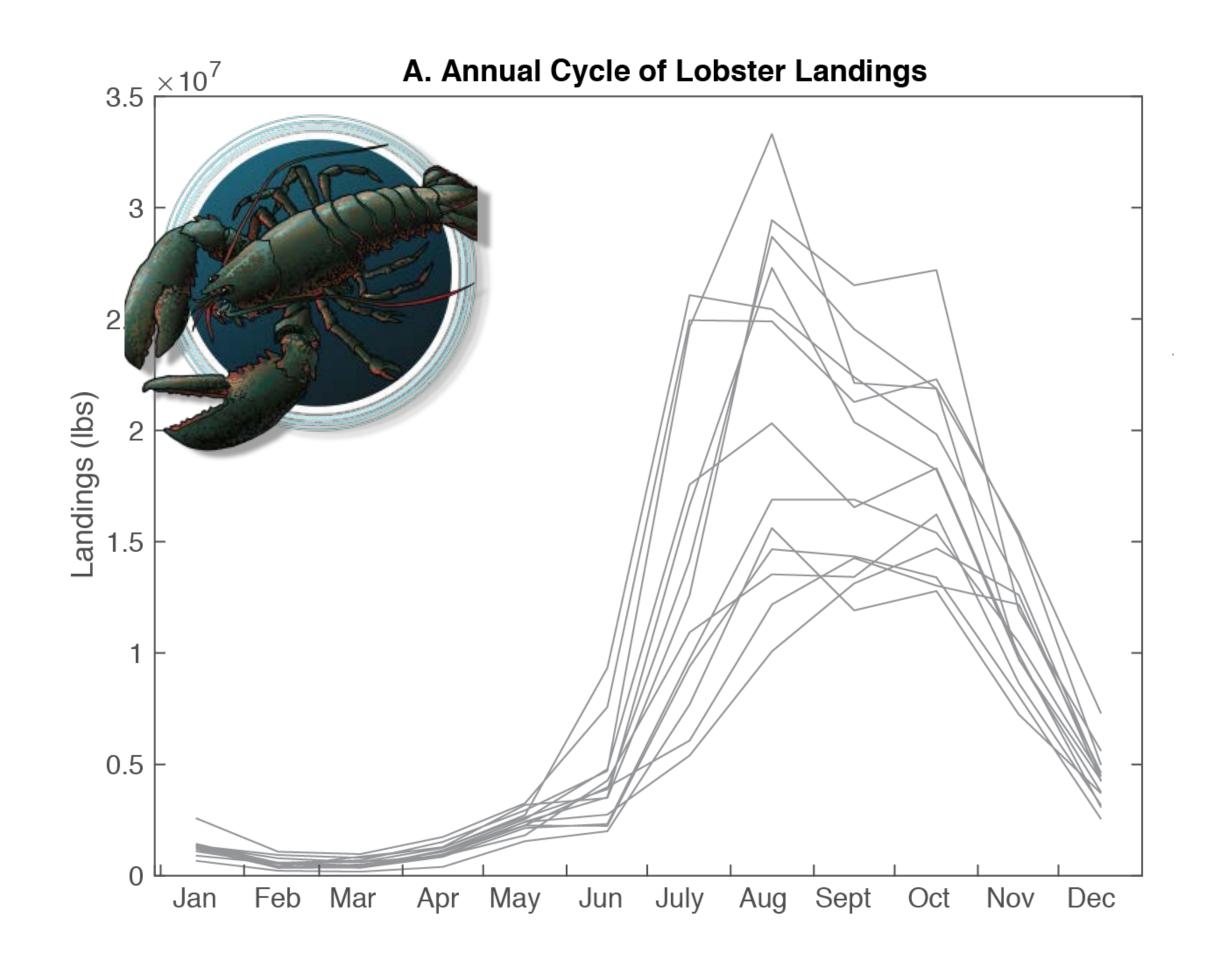


puffin, http://en.wikipedia.org/wiki/Atlantic_puffin

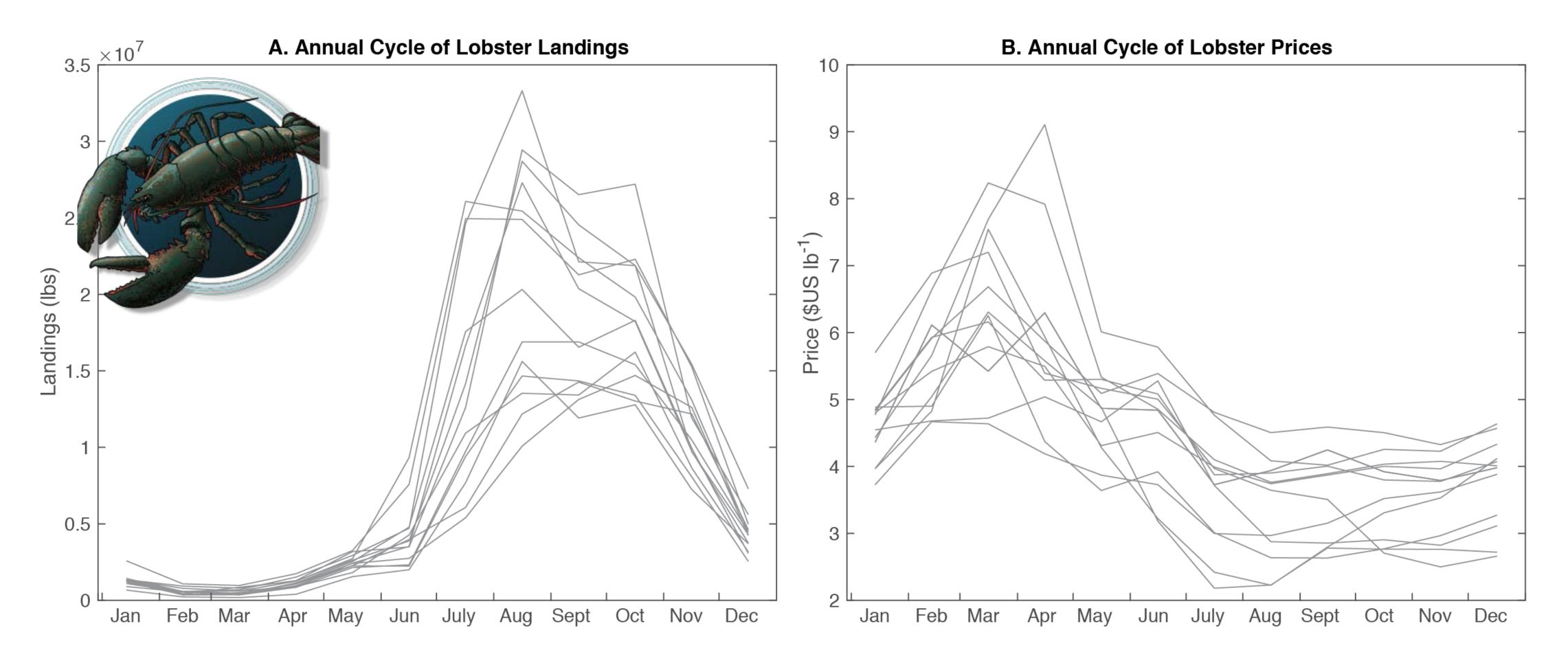




CENTRAL

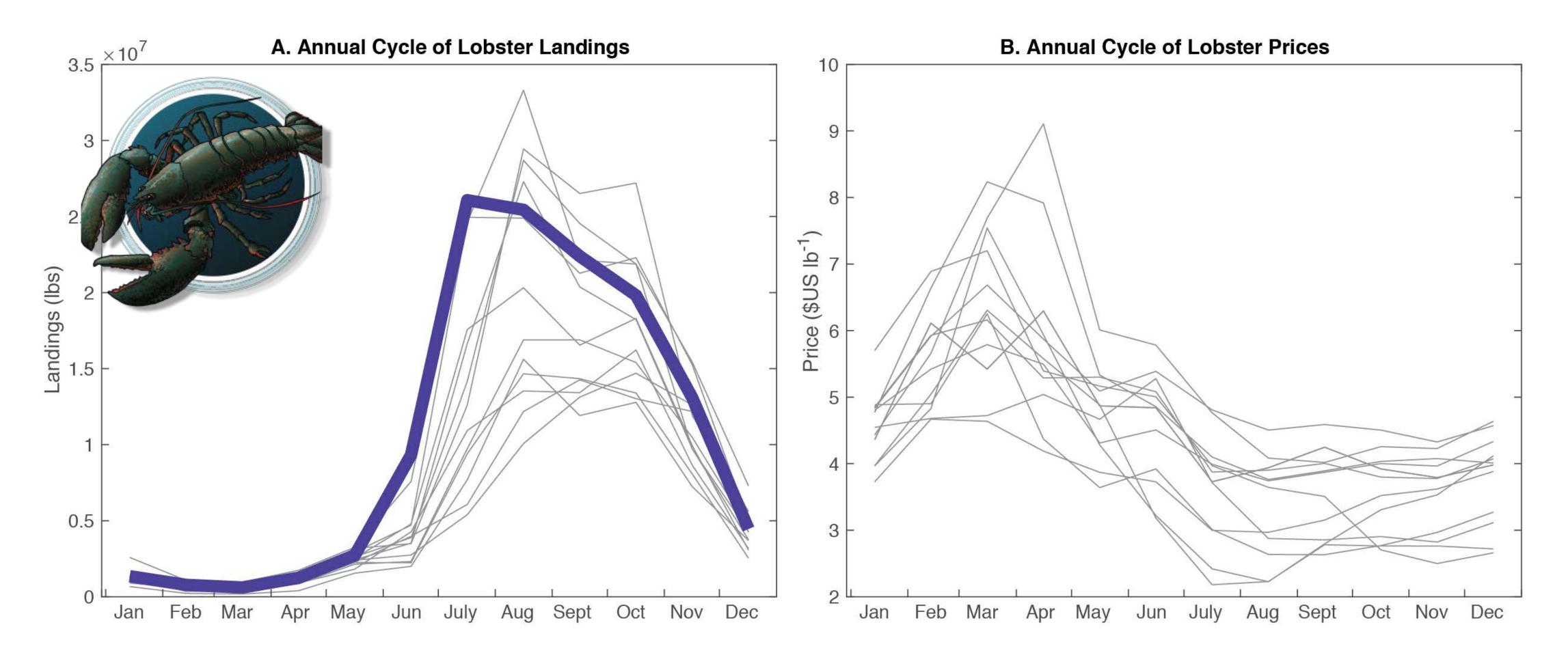






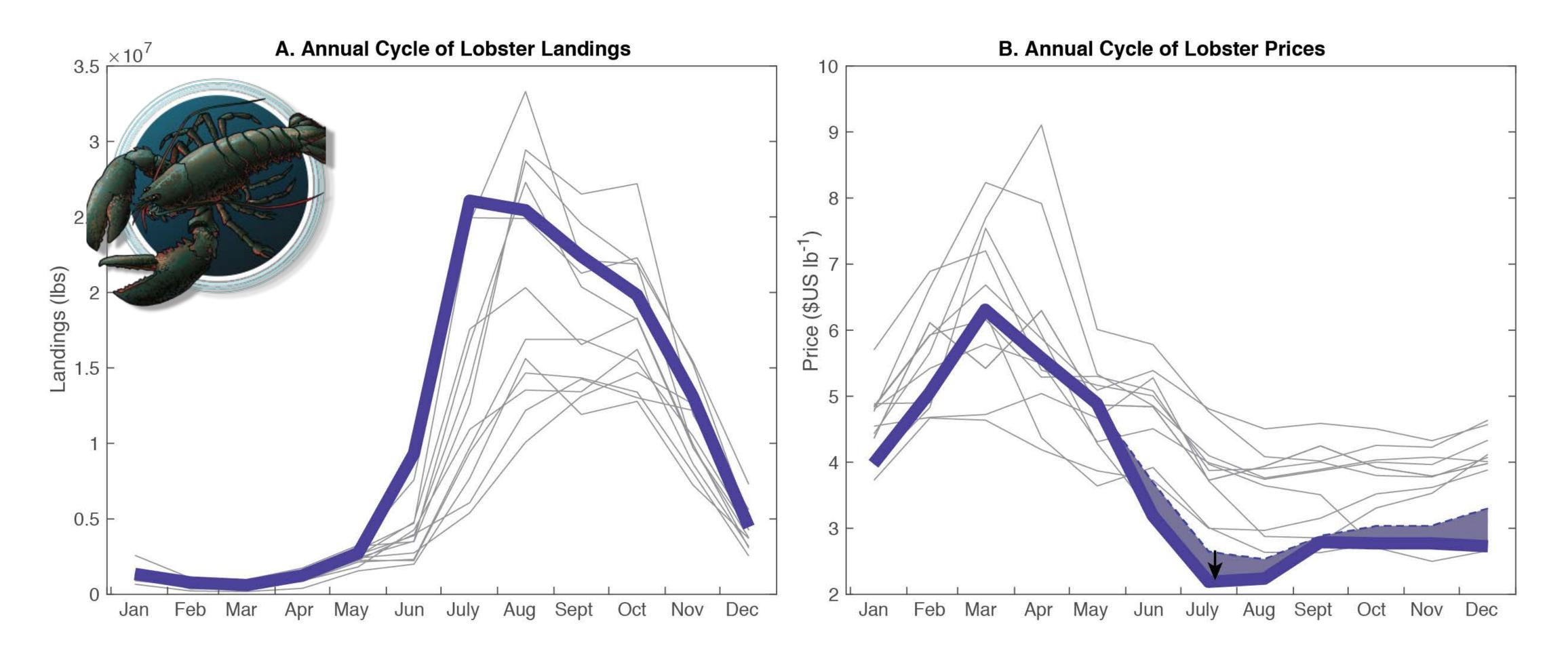
Lobster price is seasonal





Lobster price is seasonal

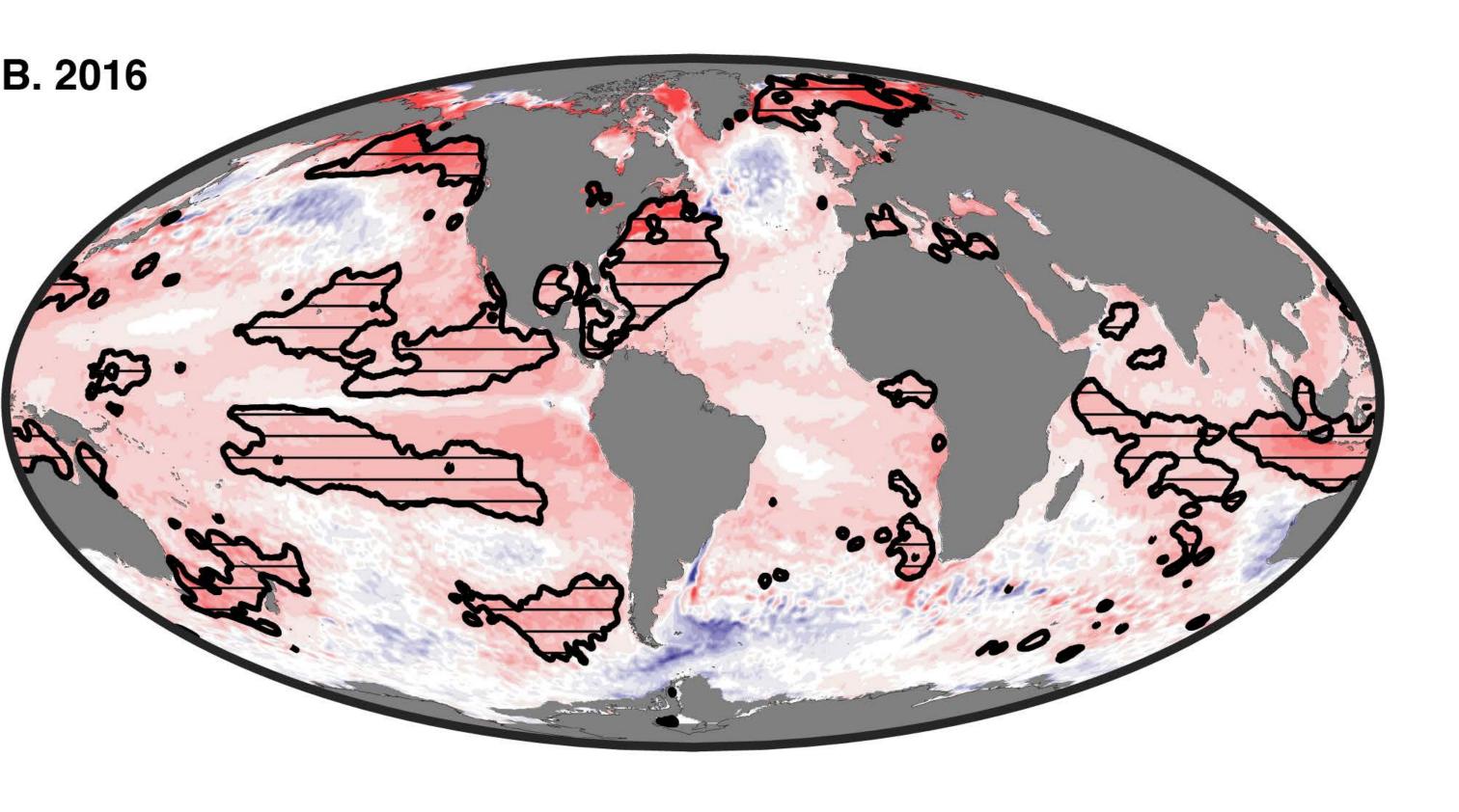




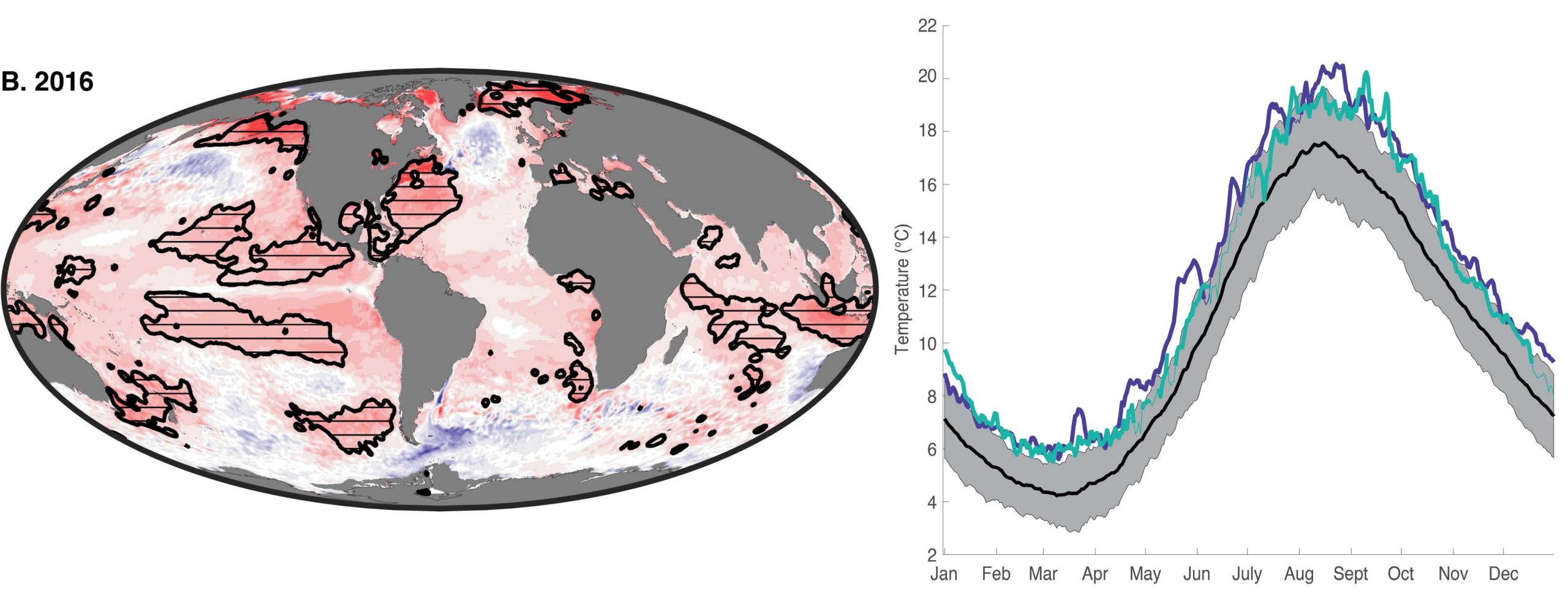
- Lobster price is seasonal
- 2012: low



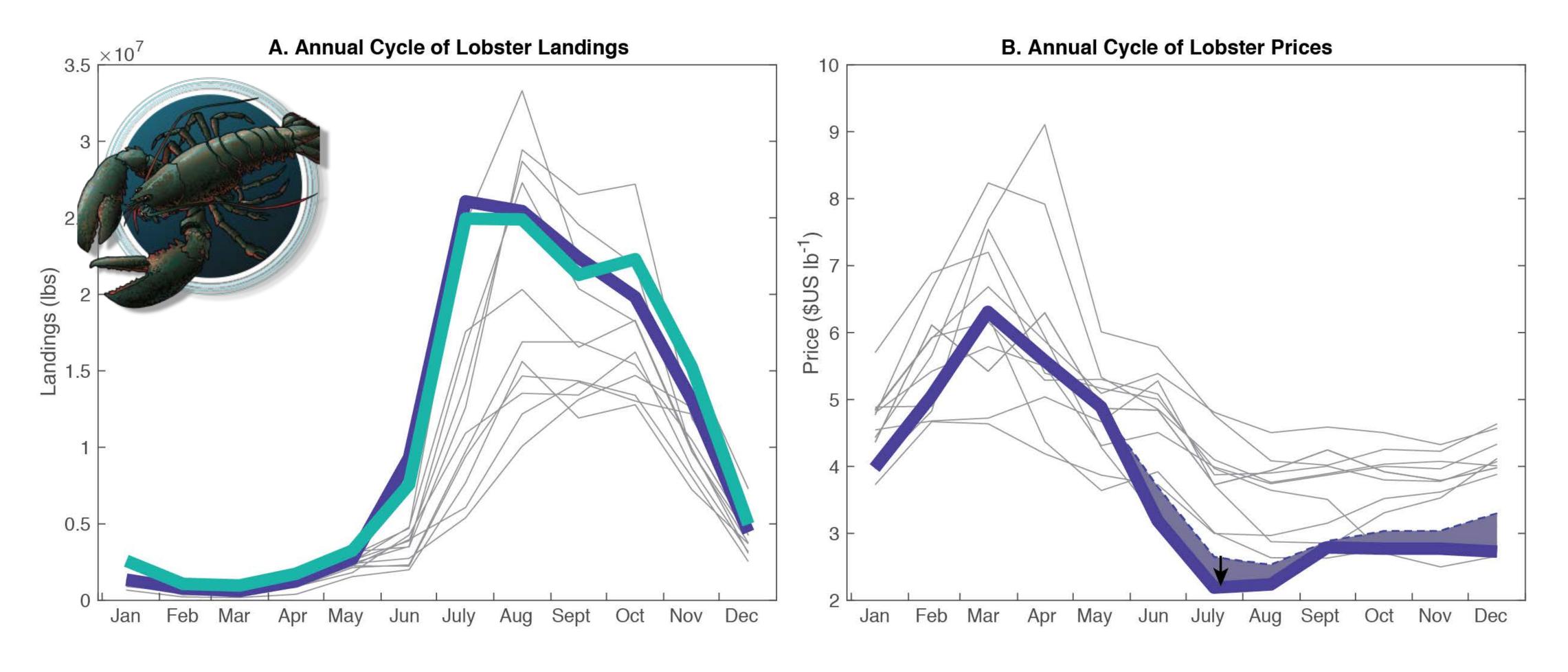






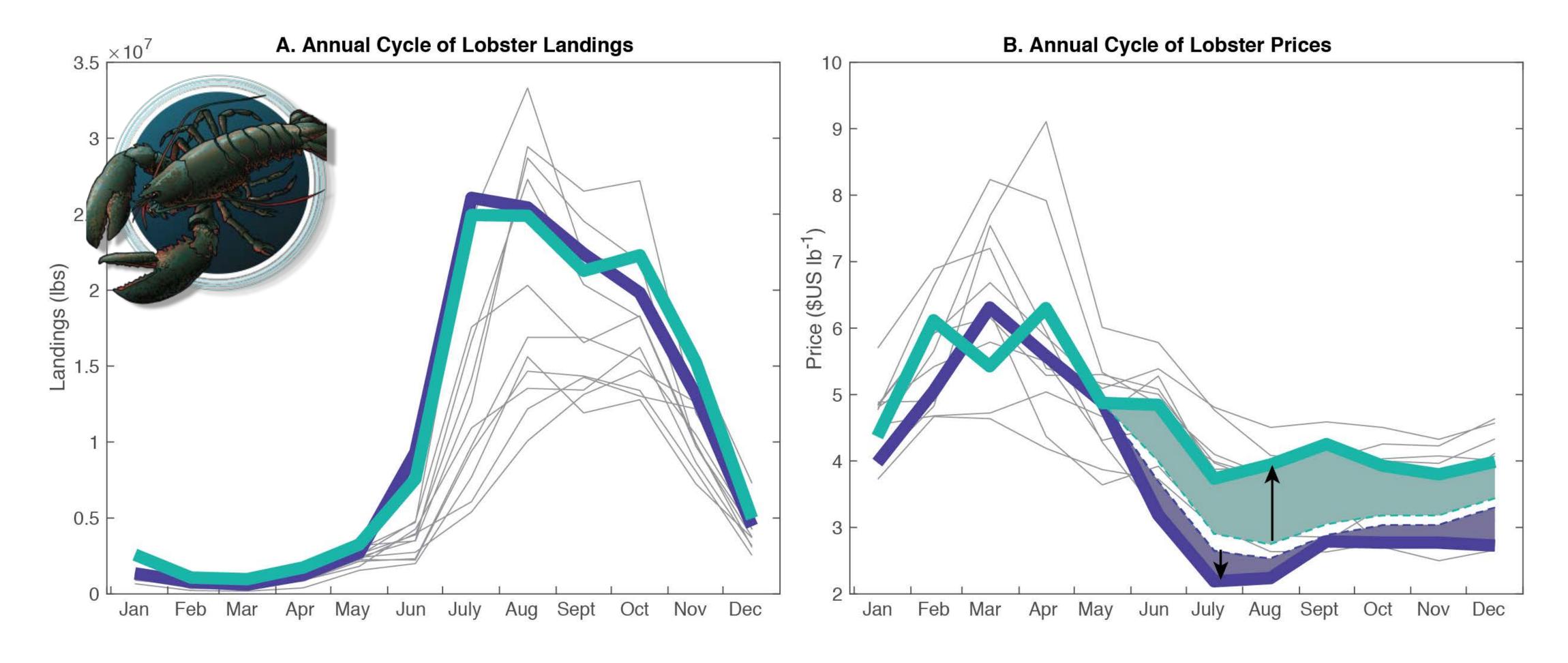






• 2012: low

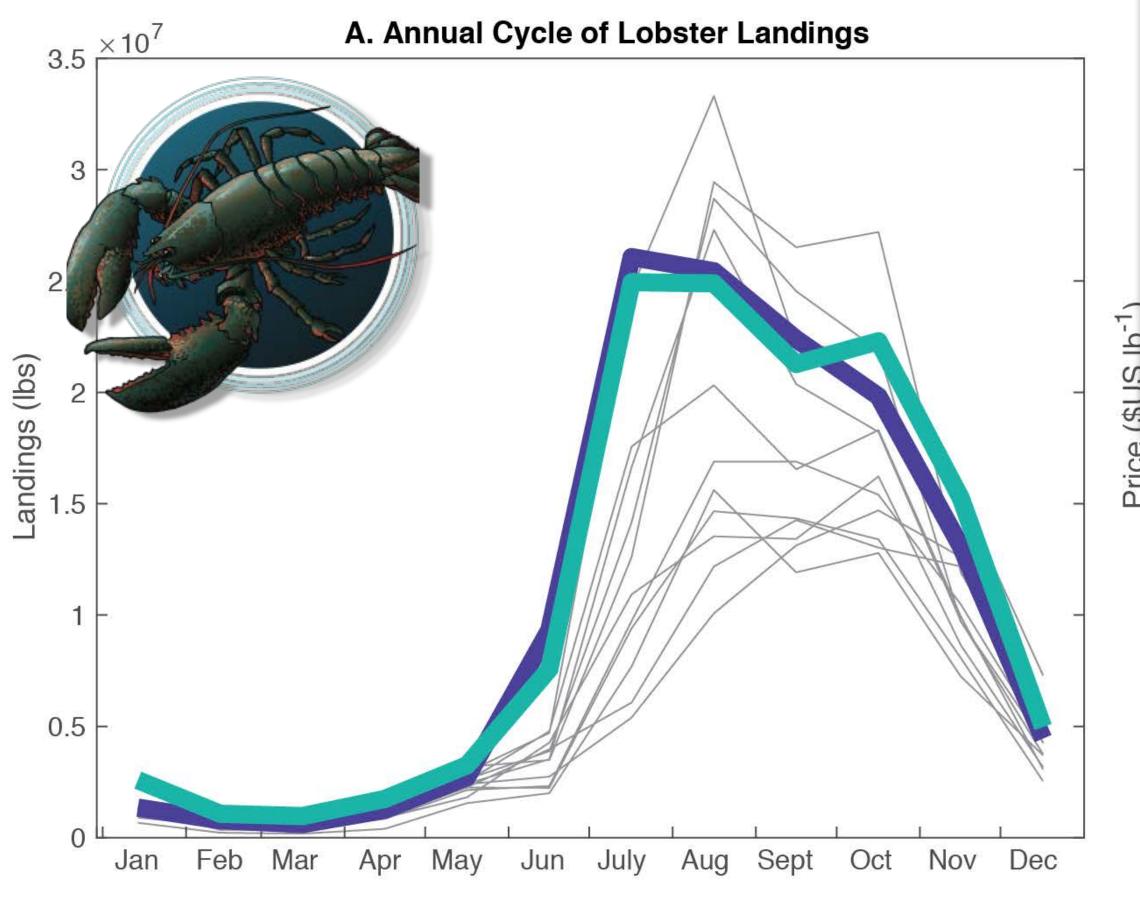


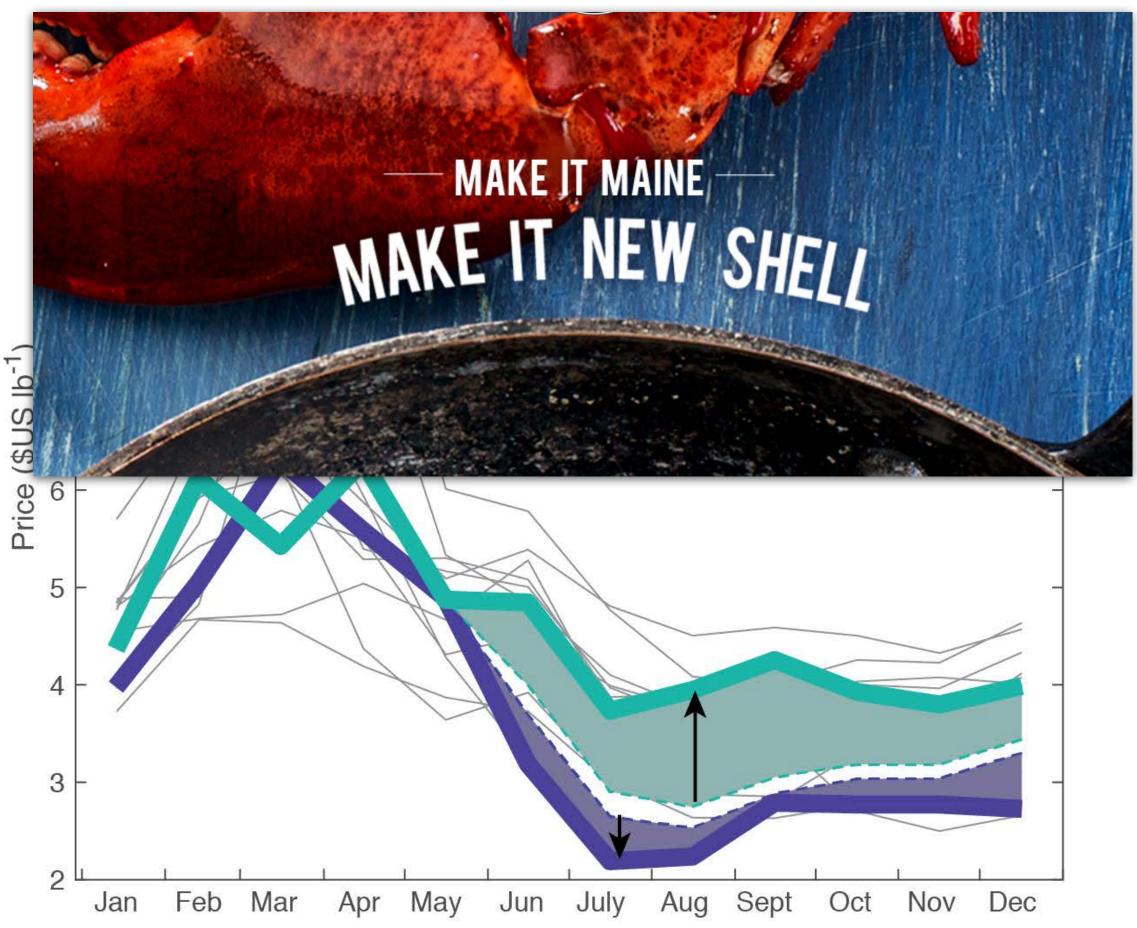


• 2012: low

• 2016: high







• 2012: low

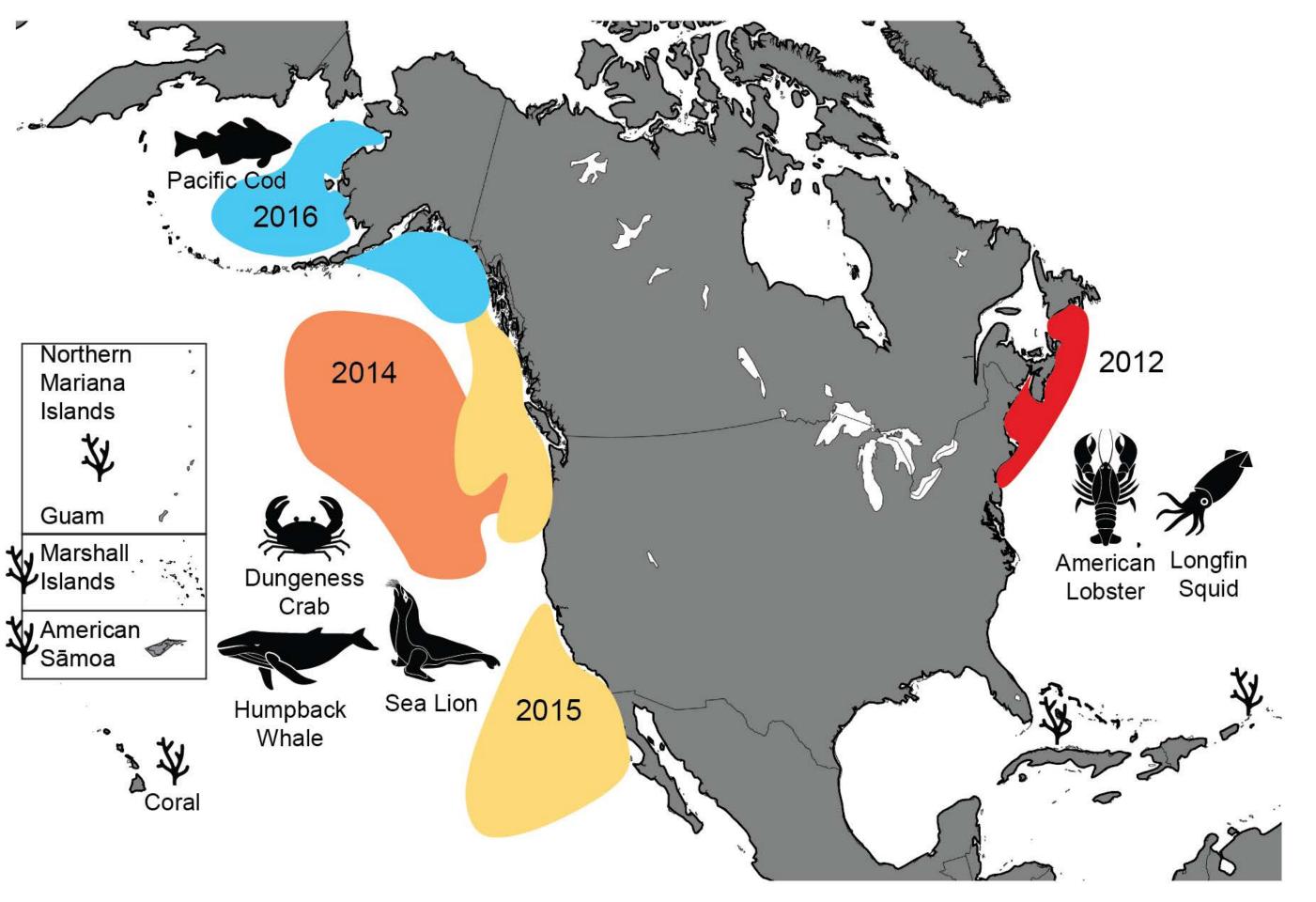
• 2016: high



Oceans and Marine Resources Chapter,
4th US National Climate Assessment

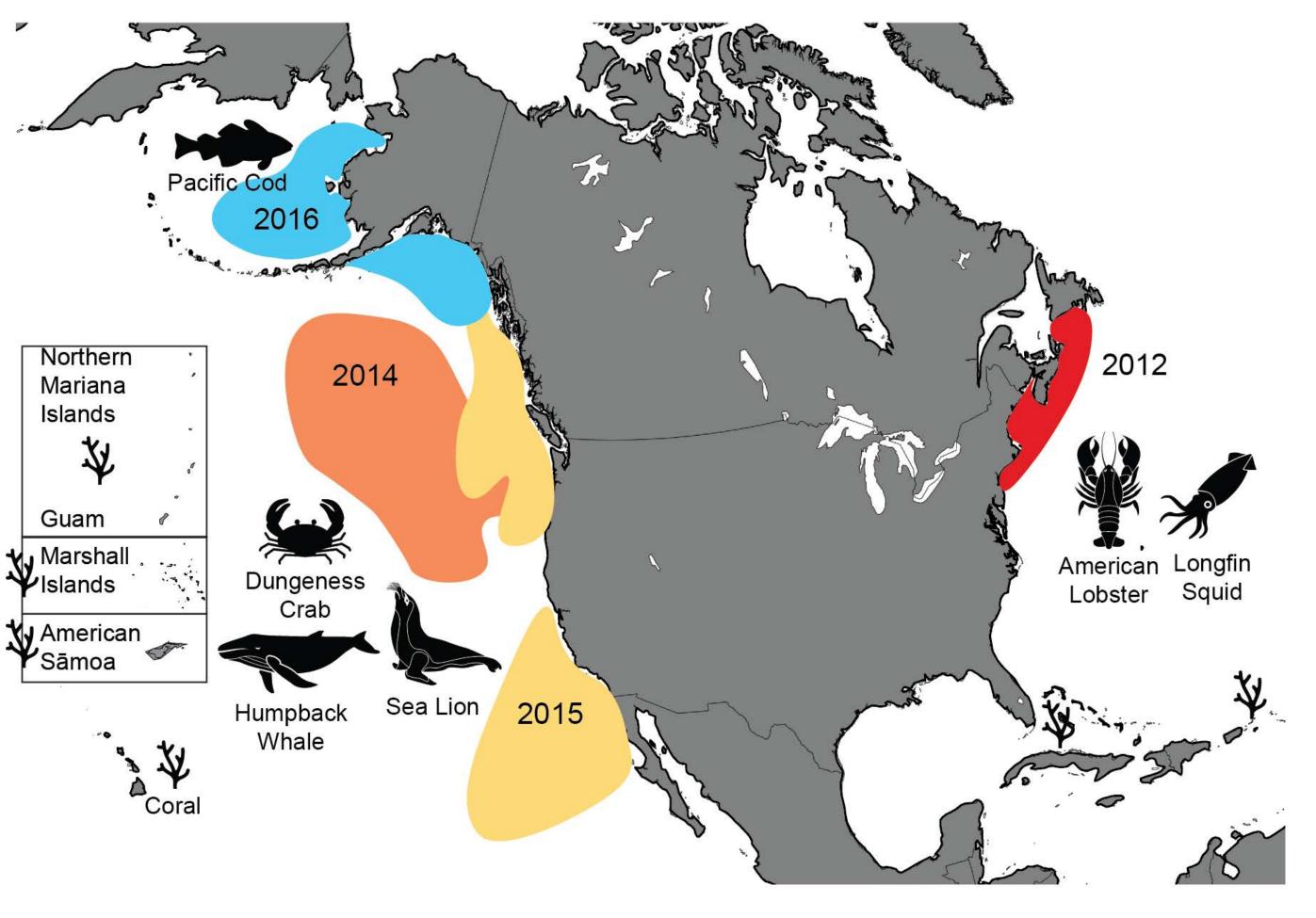


Oceans and Marine Resources Chapter,
4th US National Climate Assessment





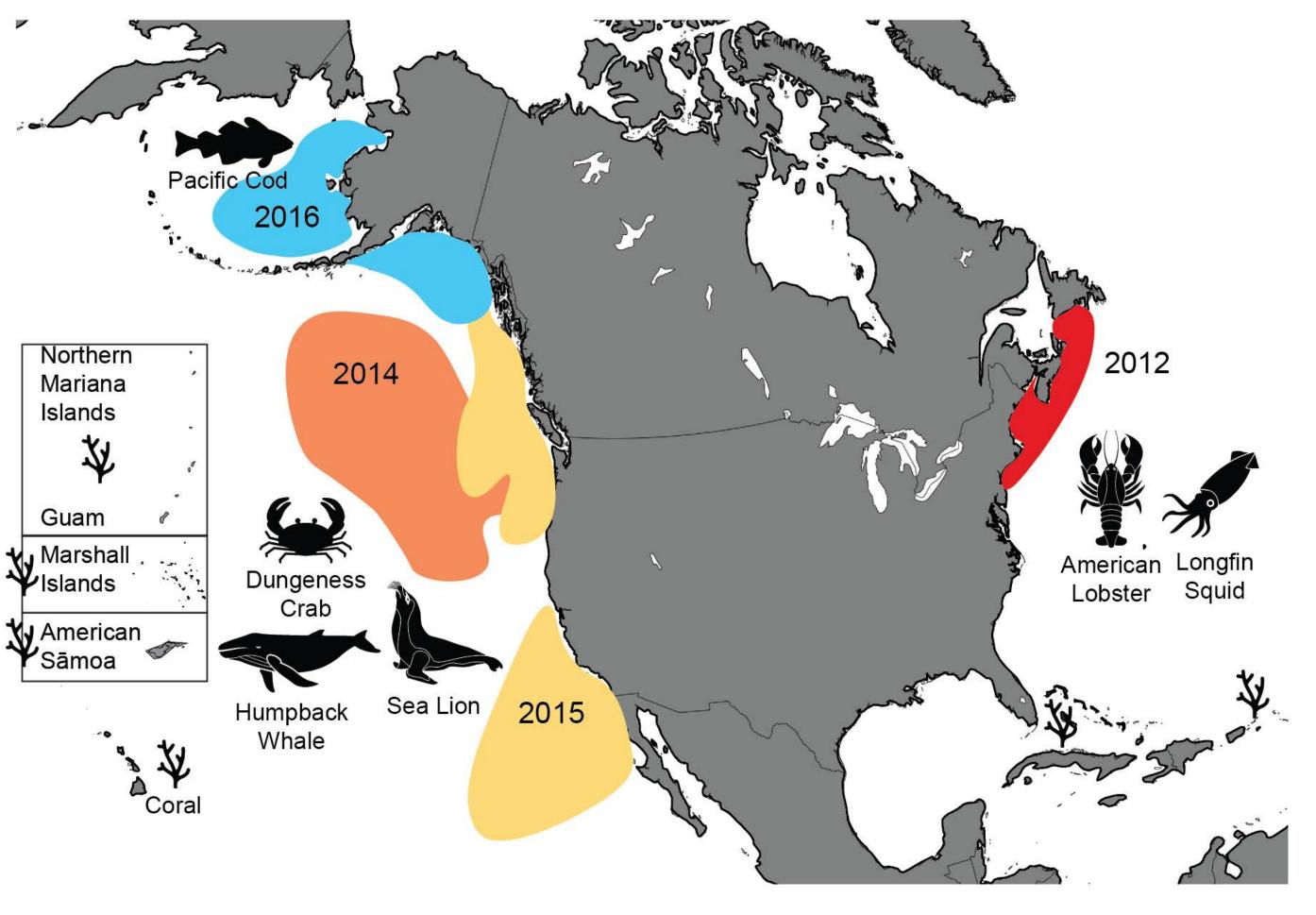
Oceans and Marine Resources Chapter,
4th US National Climate Assessment



 risk of significant impacts from extreme events



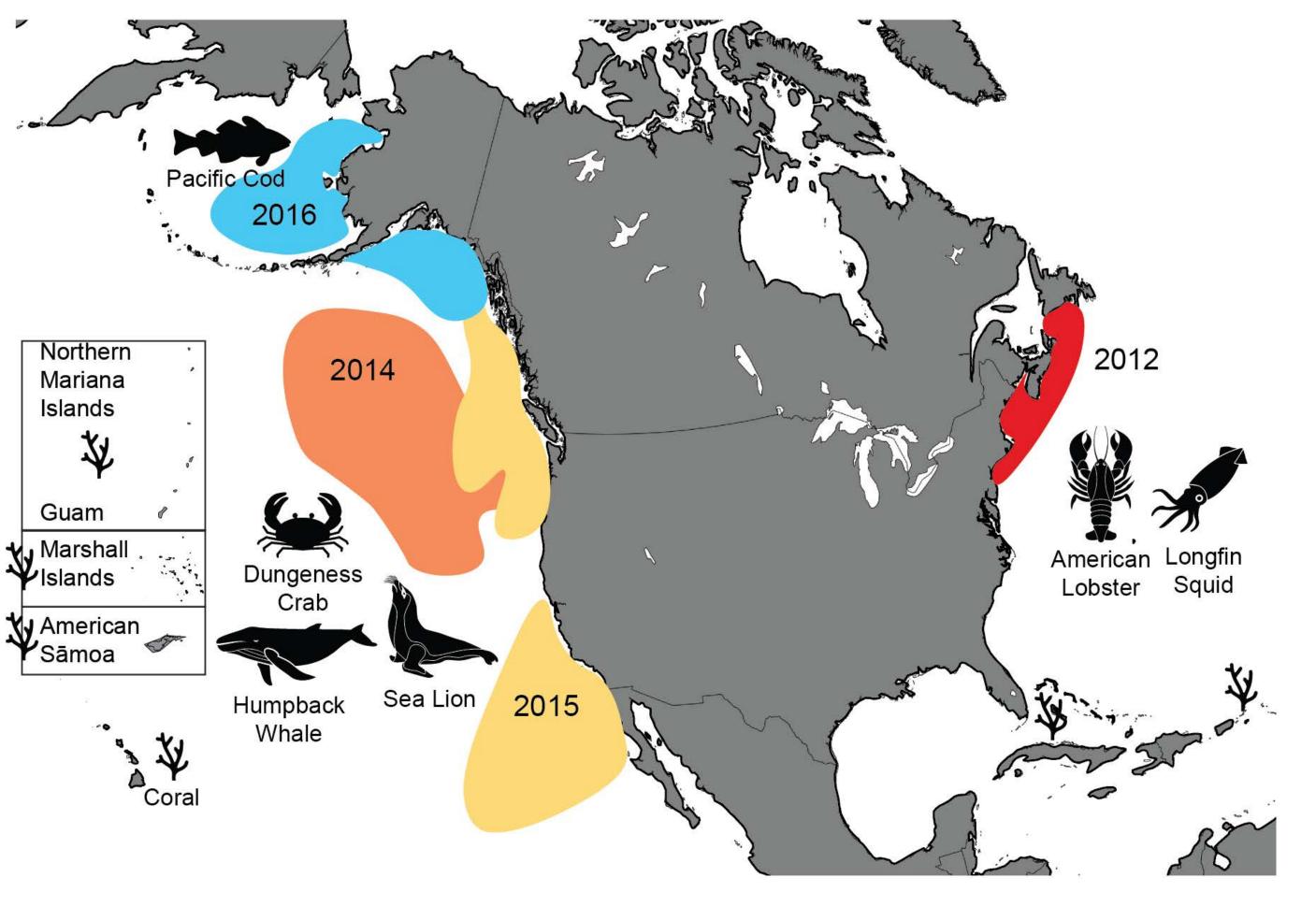
Oceans and Marine Resources Chapter,
4th US National Climate Assessment



- risk of significant impacts from extreme events
- unusual events will become more common and more severe in the future



Oceans and Marine Resources Chapter,
4th US National Climate Assessment



- risk of significant impacts from extreme events
- unusual events will become more common and more severe in the future
- they expose vulnerabilities that can motivate change

