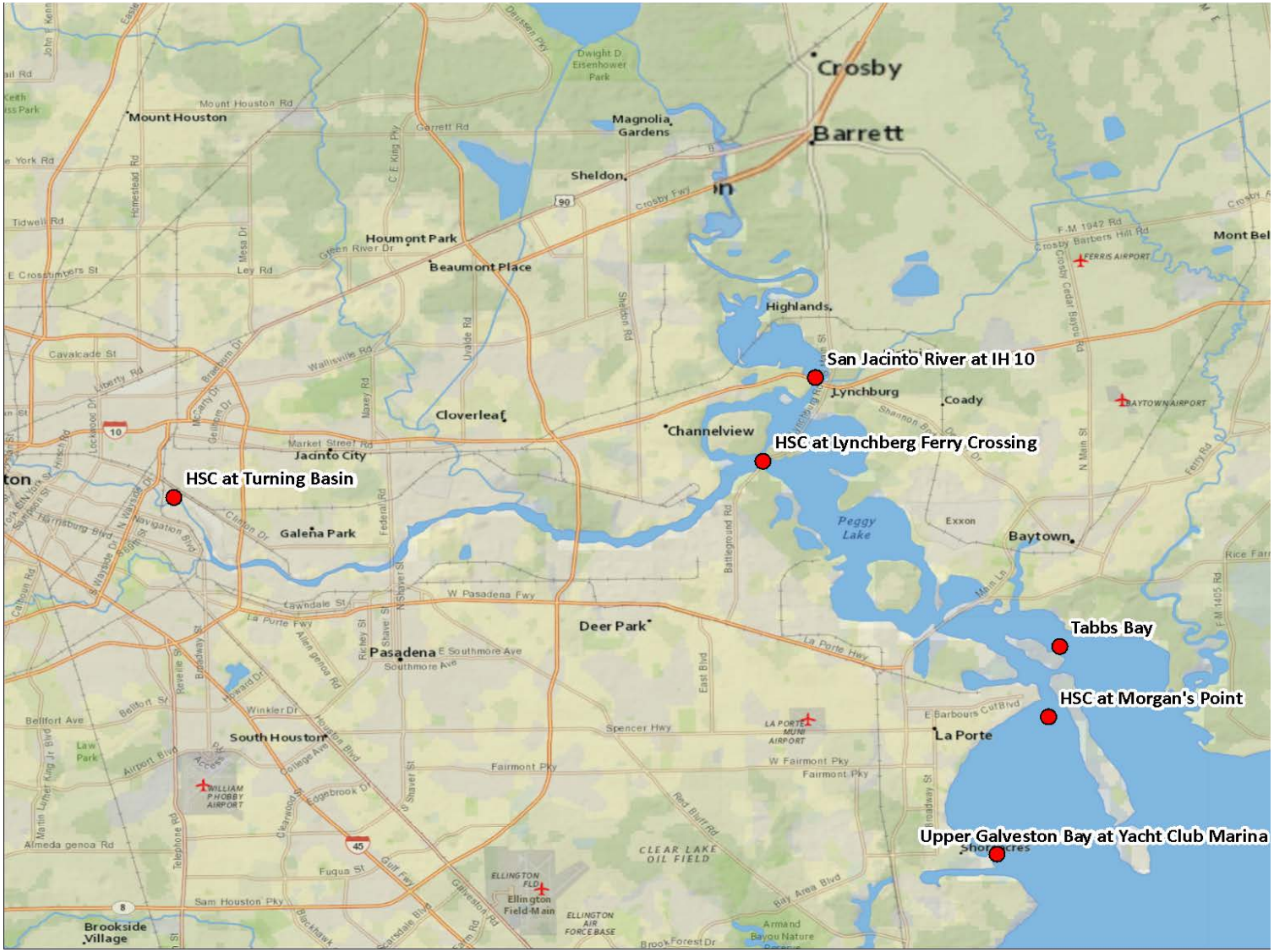
The Houston Ship Channel, San Jacinto River Tidal, and Upper Galveston Bay Fish Consumption Advisory

1990–2004

TEXAS
Department of
State Health Services

9549790

Sample Sites 1990–2004



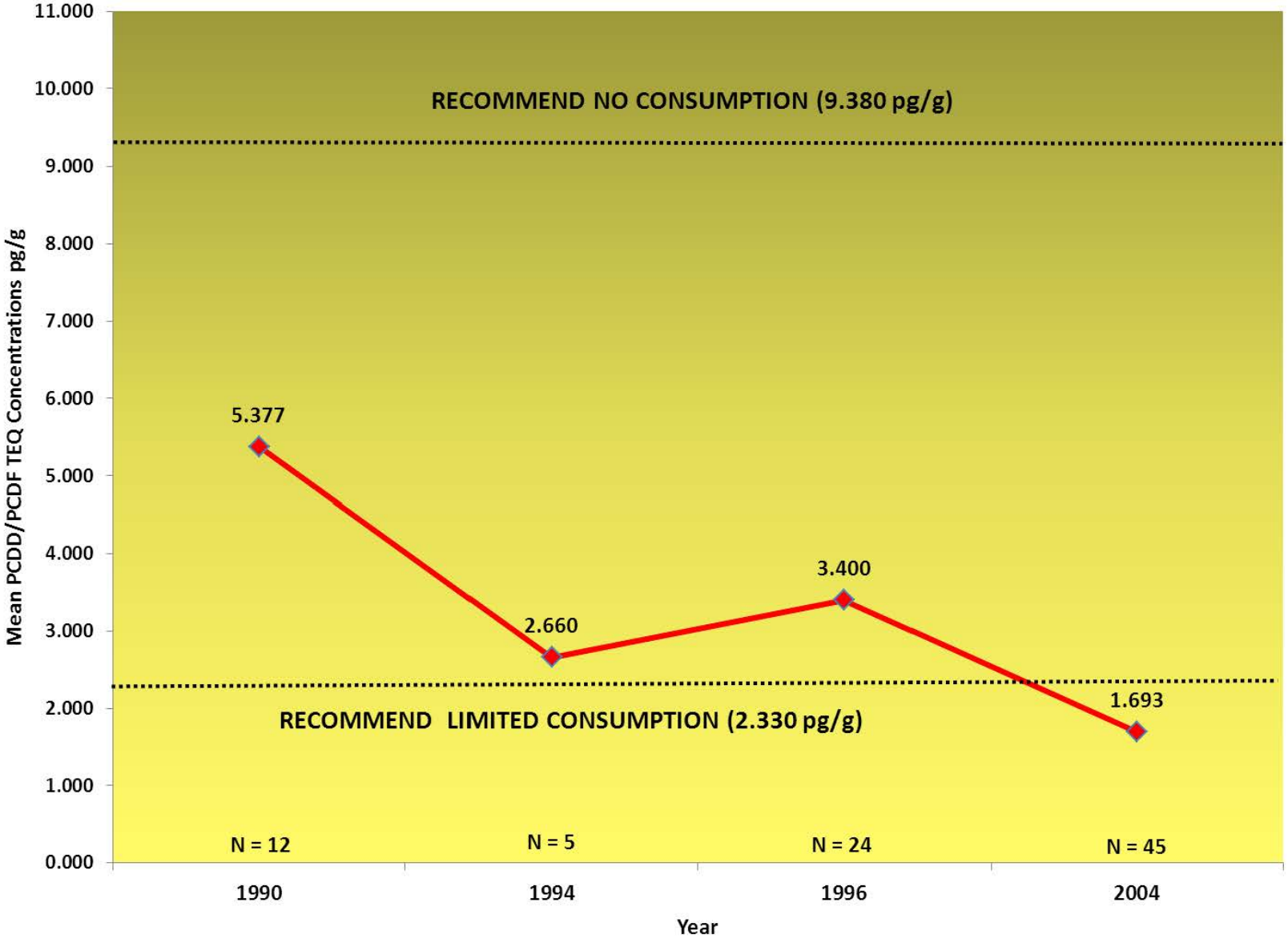
Advisory History

- **1990**
  - Consumption advisory (ADV-3) issued for the Houston Ship Channel and all contiguous waters including Upper Galveston Bay north of a line from Red Bluff Point to Five-Mile Cut Marker to Houston Point due to the presence of dioxins in catfish and blue crab.
- **2001**
  - Consumption advisory (ADV-20) issued for the Houston Ship Channel and all contiguous waters upstream of the Lynchburg Ferry Crossing including the San Jacinto River below the U.S. Highway 90 Bridge due to the presence of pesticides and PCBs in all species of fish.
- **2005**
  - Consumption advisory (ADV-28) issued for the Houston Ship Channel and Upper Galveston Bay due to the presence of PCBs in spotted seatrout.

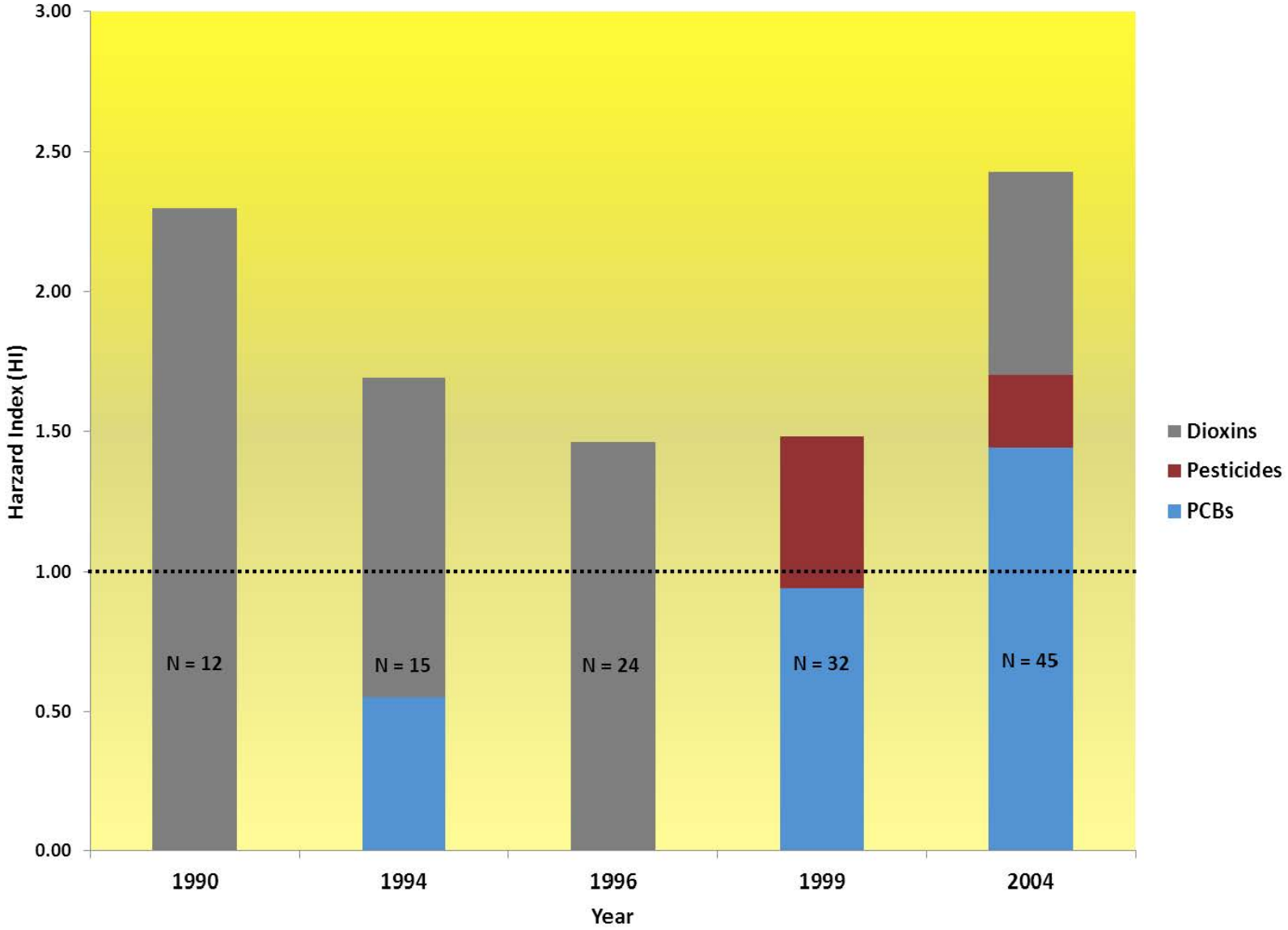
Contaminants of Concern 1990–2004

- Polychlorinated Biphenyls (PCBs)
- Dioxins (PCDFs/PCDDs)
- Chlordane
- DDD
- DDE
- DDT
- Hexachlorobenzene
- Heptachlor epoxide

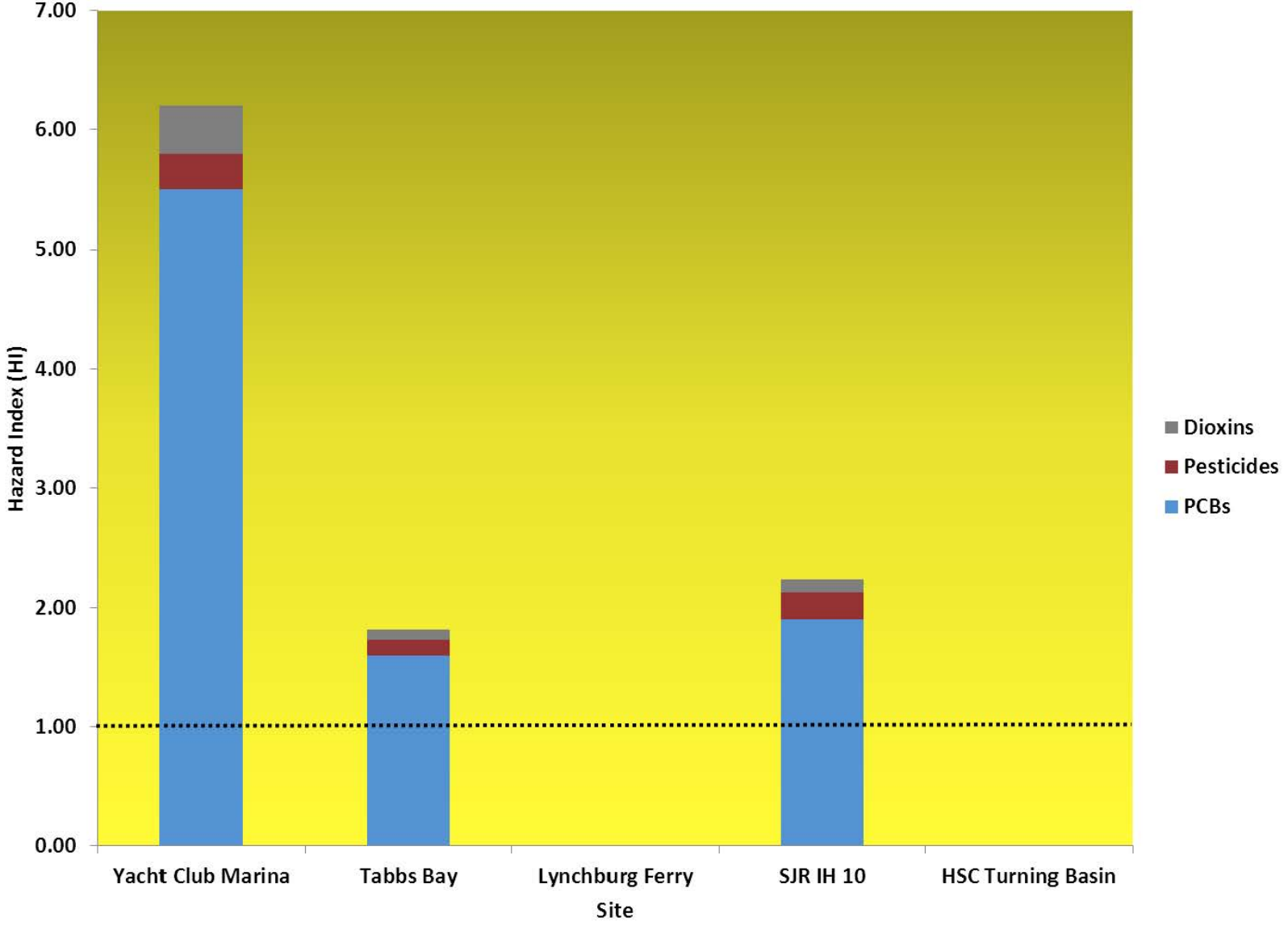
Mean PCDD/PCDF TEQ Concentrations by Year



Hazard Index by Year



Spotted Seatrout Hazard Index by Site



Sample Sites 2010–2011

Target Species 2010–2011

Total Samples (63)

- Black drum (7)
- Blue catfish (5)
- Blue crab (4)
- Flathead catfish (2)
- Gafftopsail catfish (6)
- Hardhead catfish (3)
- Red drum (8)
- Sand trout (3)
- Sheepshead (5)
- Southern flounder (3)
- Spotted seatrout (16)
- Striped bass (1)

Sample Sites 2012

Target Species 2012

Total Samples (48)

- Alligator gar (2)
- Black drum (6)
- Blue catfish (3)
- Blue crab (8)
- Channel catfish (2)
- Common carp (2)
- Gafftopsail catfish (2)
- Hardhead catfish (3)
- Red drum (2)
- Sheepshead (6)
- Smallmouth buffalo (4)
- Southern flounder (4)
- Spotted seatrout (3)
- White bass (1)

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