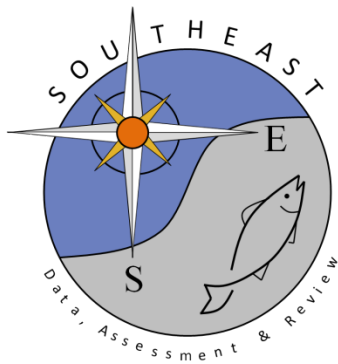# Spatial and Temporal Distribution of Cobia, Southeast US and Gulf of Mexico

B. Wrege

SEDAR58-SID-10

Submitted: 11 April 2018

Please cite this document as:

Wrege, B. 2018. Spatial and Temporal Distribution of Cobia, Southeast US and Gulf of Mexico. SEDAR58-SID-10. SEDAR, North Charleston, SC. 18 pp.
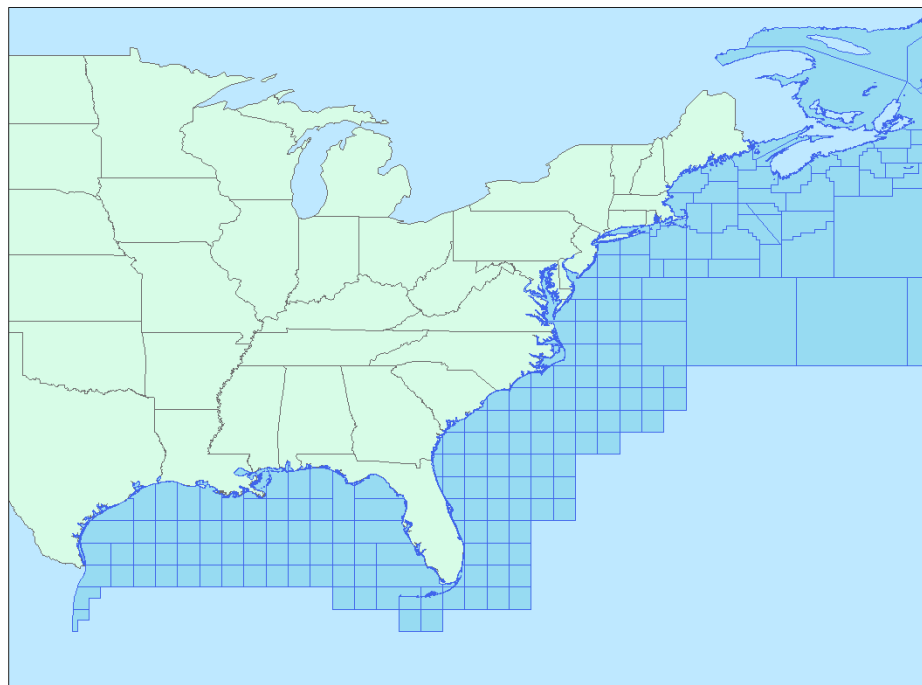
Spatial and Temporal Distribution of Cobia, Southeast US Atlantic and Gulf of Mexico

Beth M Wrege

NOAA NMFS Miami FL

bethwrege@noaa.gov

Data Resolution

Commercial Logbook data
Cobia 2012 - 2017 by month

- Southeast US Atlantic and Gulf of Mexico
- Reported CFLP (Coastal Fisheries Logbook Program) data
- Fishery-dependent
- Resolution is based on the Logbook
- Grid-size is 1-degree grid (approximately 60 n miles X 60 n miles)
- Data are combined (summed) across years by month
- Data are binned using Natural Jenks method
- A single color ramp is used across all months and total
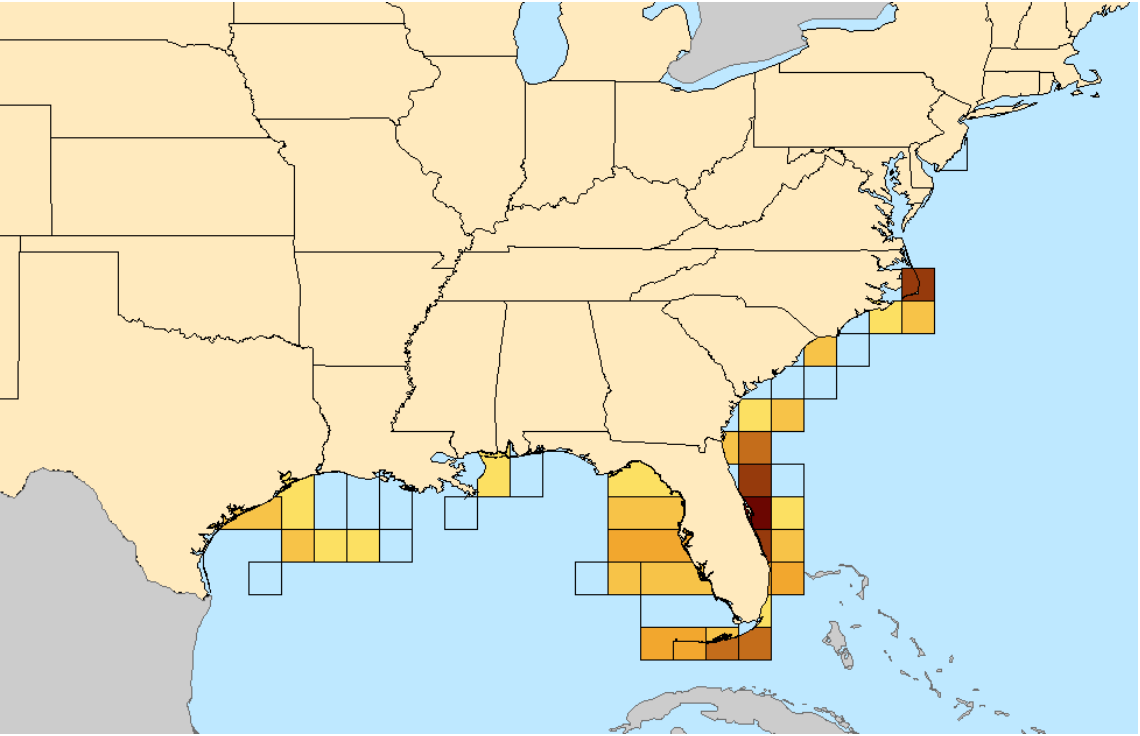
Cobia CFLP 2012-2017

- Values are summed for the entire month

- Values of 67 pounds or less are displayed as hollow

- Count is of number of grids, ex. Fourteen grids had between 14-67 pounds of fish

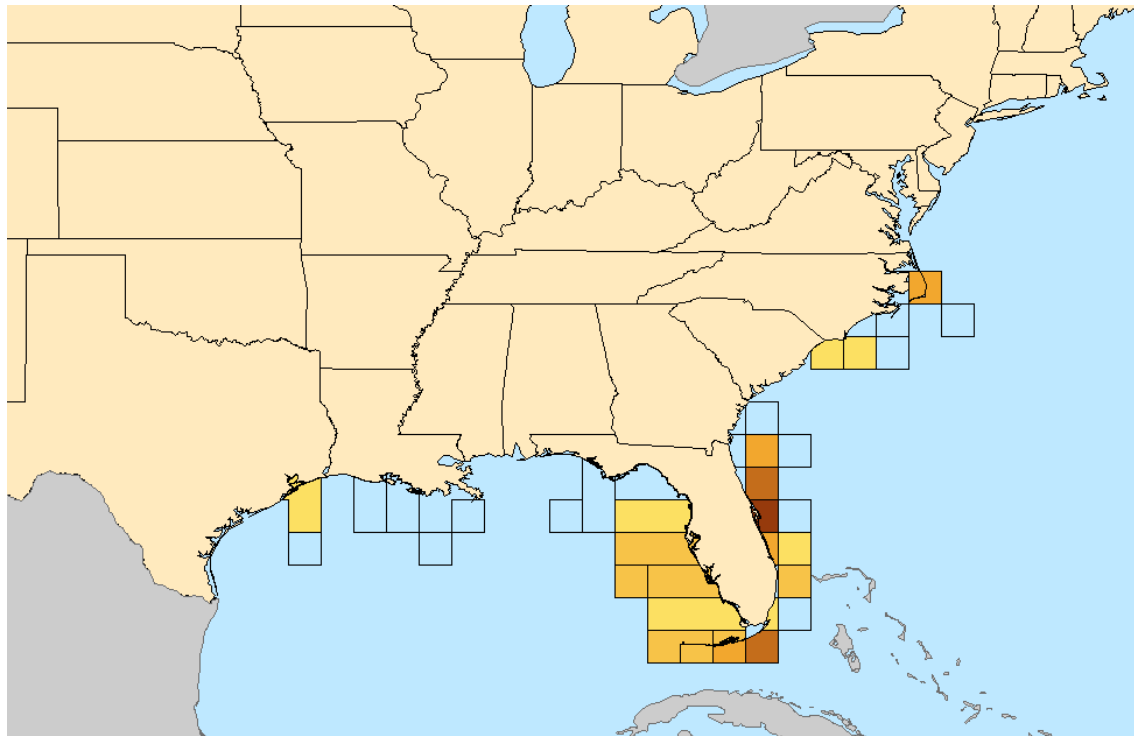- No grid is displayed if no Cobia were caught

Explanation

Weight / MM

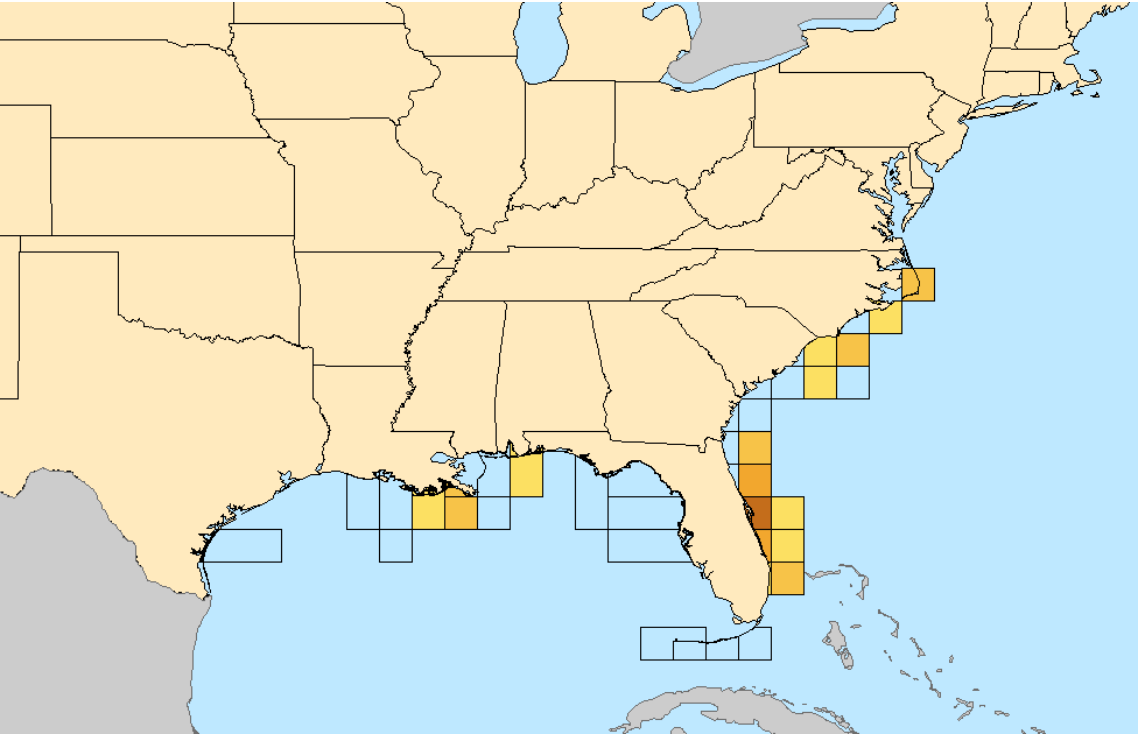|	
☐	14 - 67 (14)
☐	68 - 163 (9)
☐	164 - 454 (11)
☐	455 - 1,183 (5)
☐	1,184 - 1,696 (3)
☐	1,697 - 2,751 (3)
☐	2,752 - 5,729 (1)

Jan

Feb

March
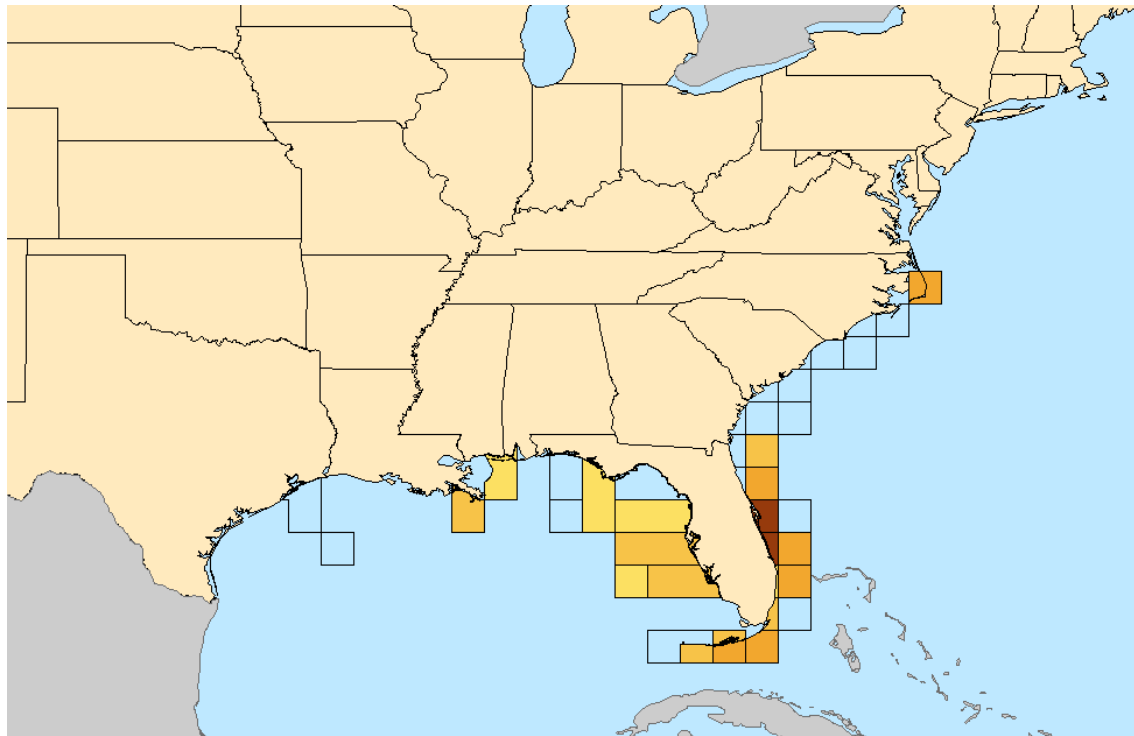
April
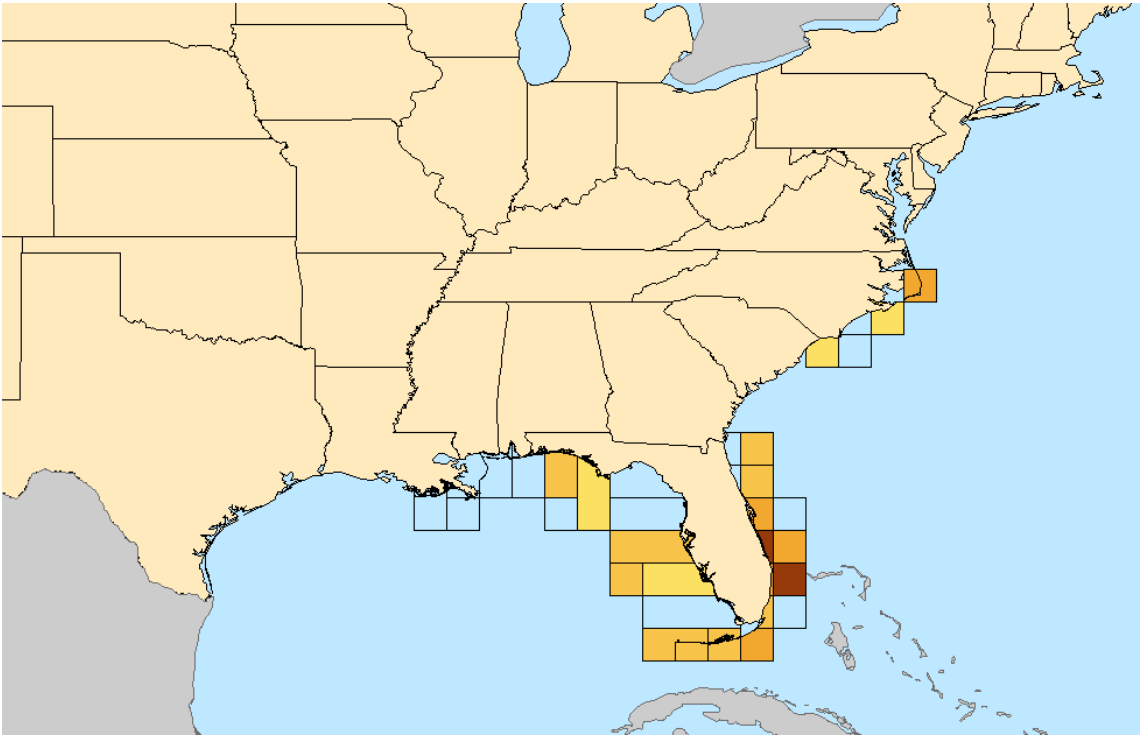
May
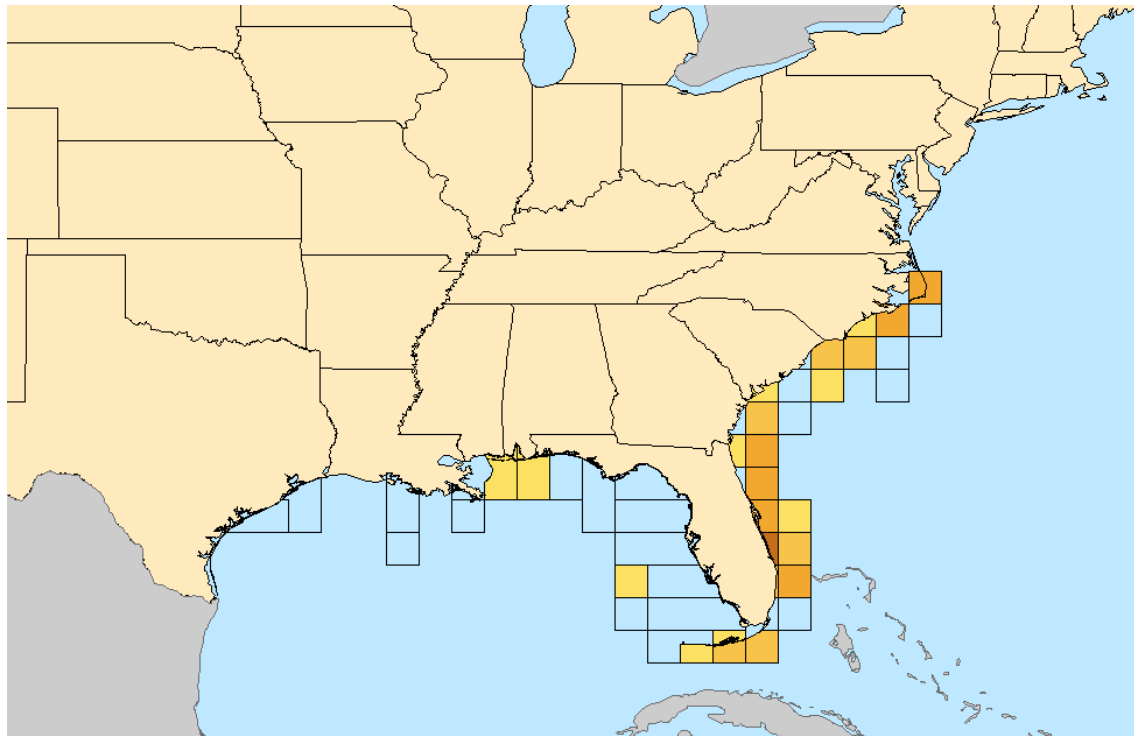
June
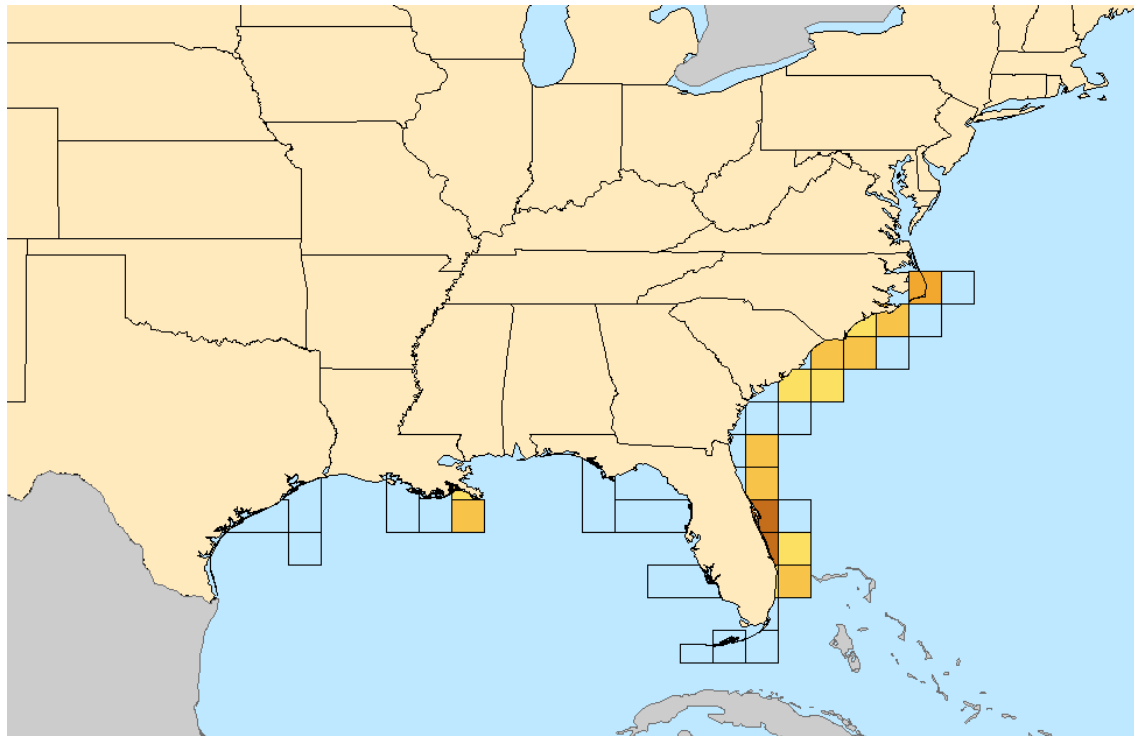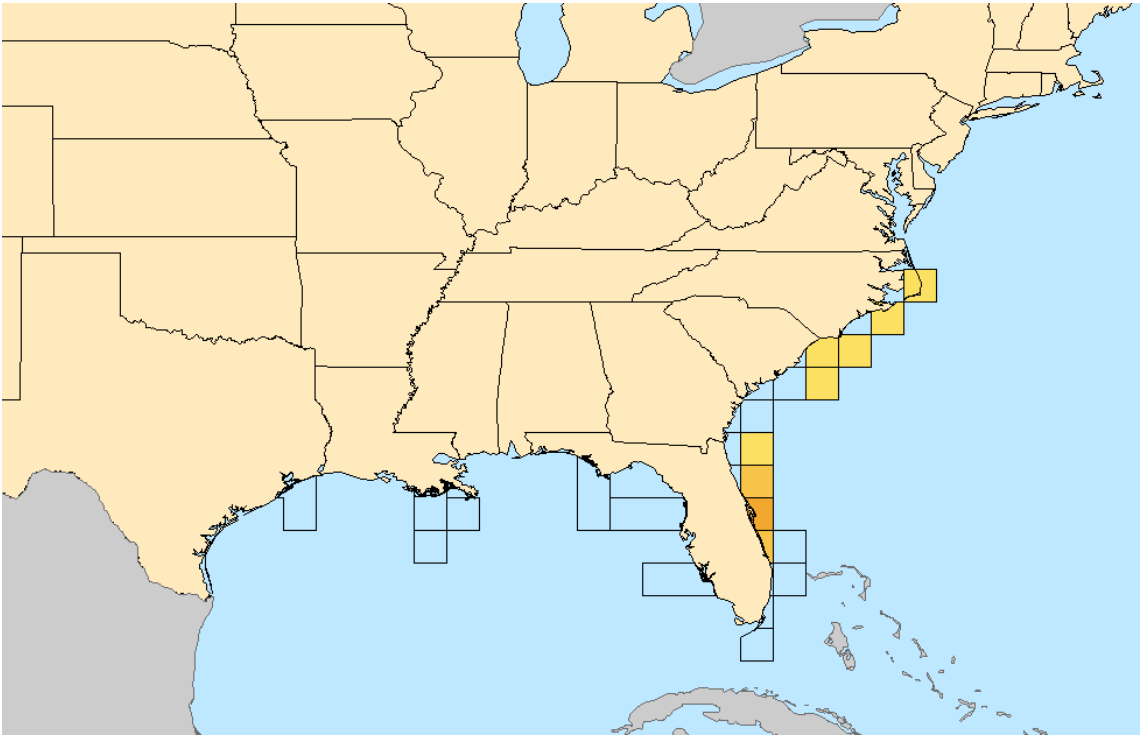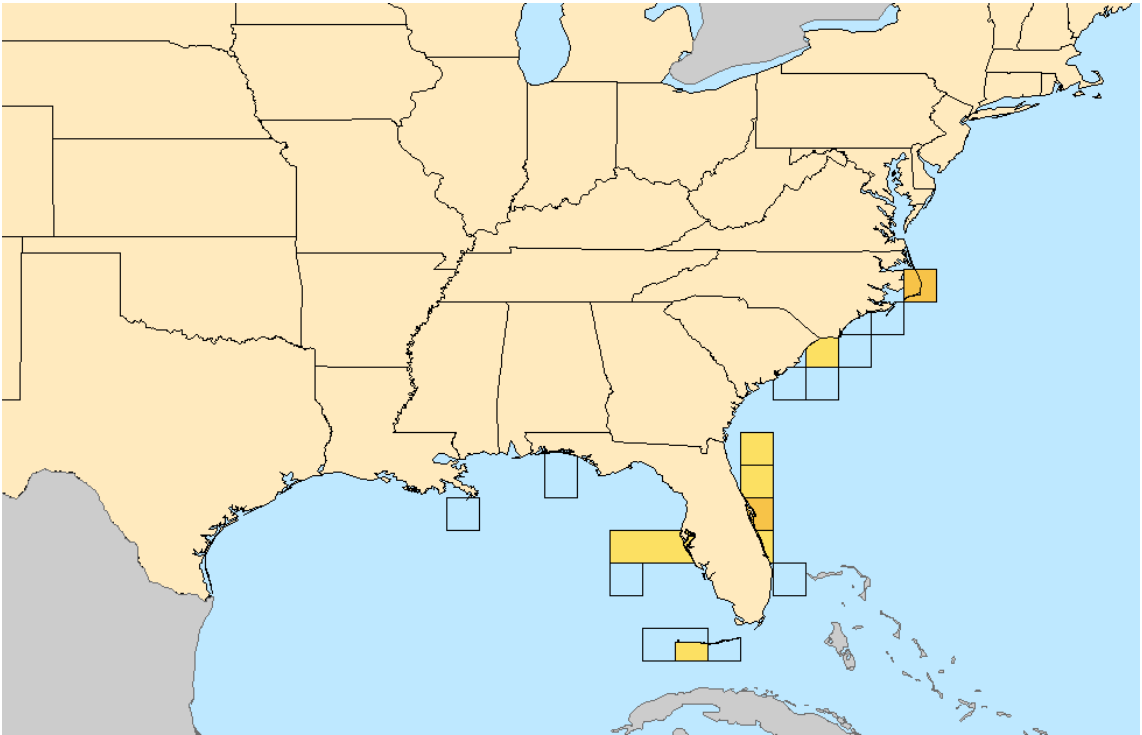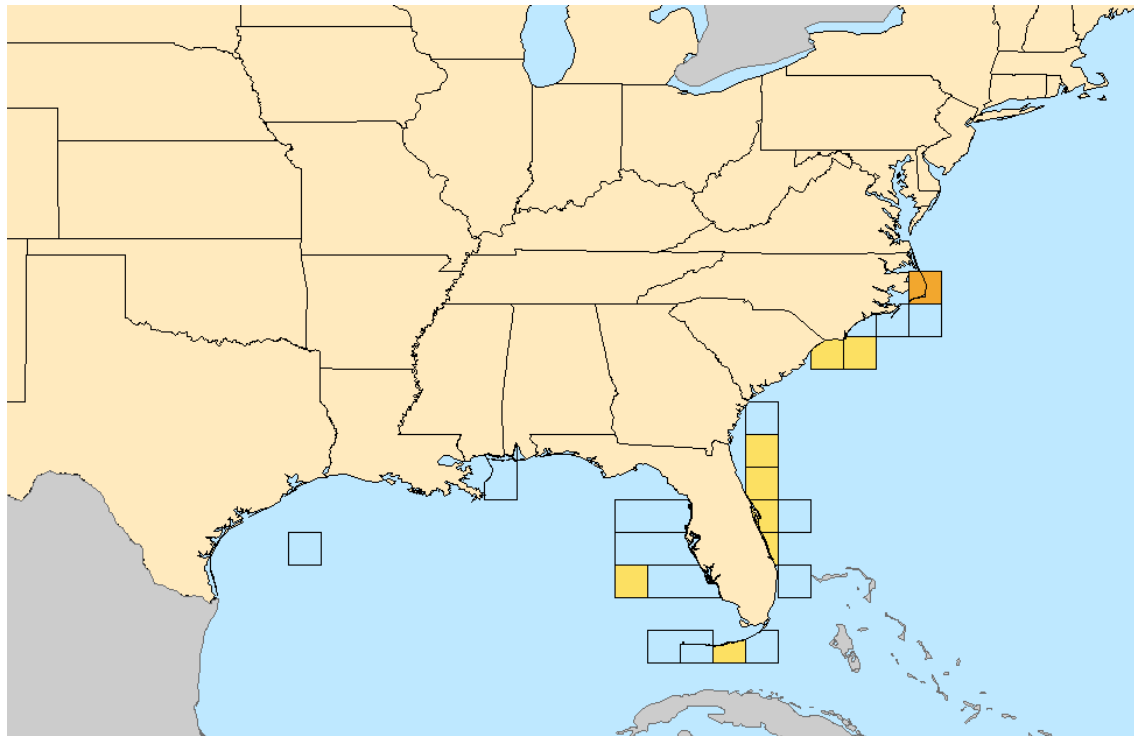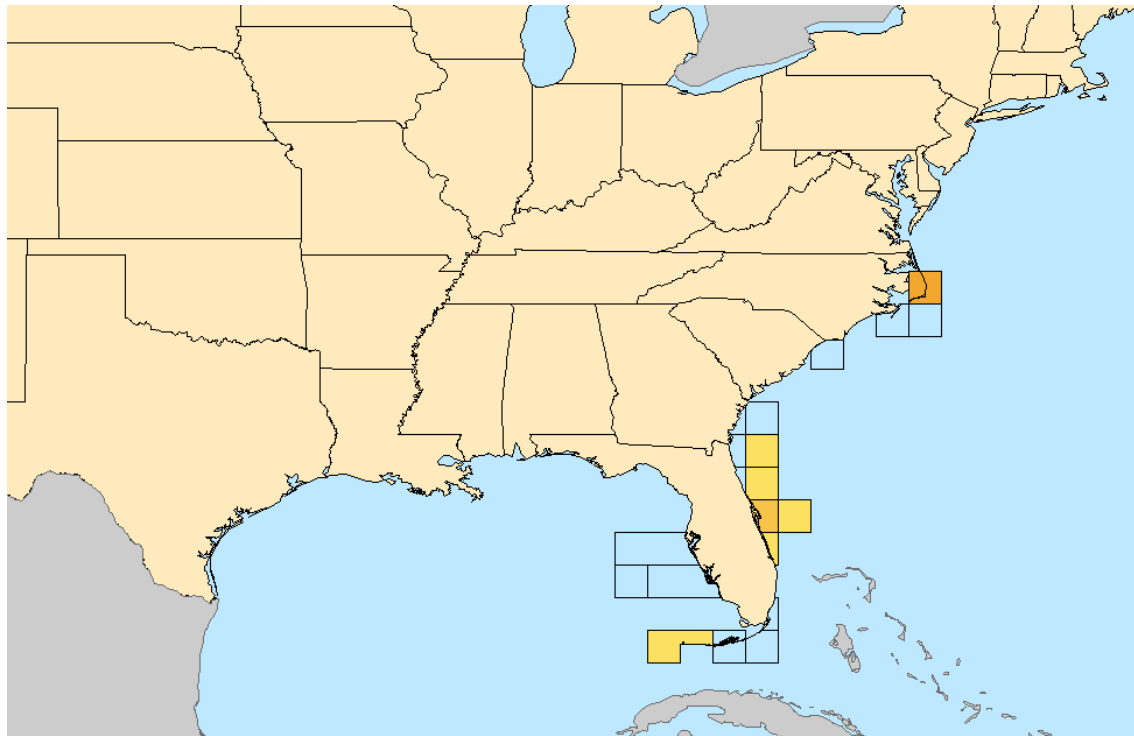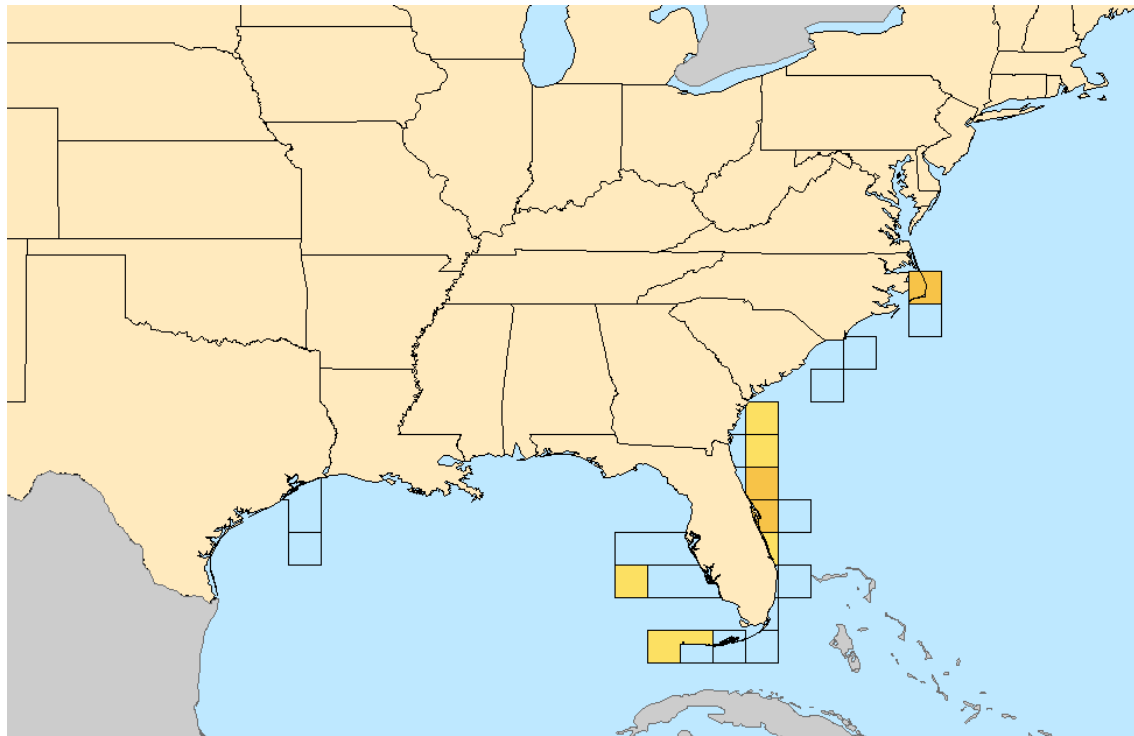
July

August

September

October

November

December

Commercial Logbook data
Cobia 2012 - 2017 by year

- Southeast US Atlantic and Gulf of Mexico
- Commercial Logbook data by year
- Fishery-dependent
- Resolution is based on the Logbook
- Grid-size is 1-degree grid (approximately 60 n miles X 60 n miles)
- Data are binned using Natural Jenks method
- A single color ramp is used across all years and total

CFLP Commercial Data – Annual Heat Map