NCCOS update GoM spatial info

# Commercial Shrimp Electronic Logbook Data 2014–2022

## Data are provided for all years (2014–2022) since responsibilities for managing the Shrimp Fishery Electronic Logbook (ELB) Program were transferred from LGL Ecological Research Associates, Inc. (LGL) to NOAA Fisheries Southeast Science Center (NMFS) and NMFS began using MultiConnect™ Open Communications Gateways-Device (OCG-D) to collect data. All data have been processed using the new algorithm for calculating shrimp fishery effort developed by Kyle Dettloff.

## Reports

### **GOM\_shrimp\_effort\_YYYY.pdf** Yearly reports generated by the Dettloff Shrimp Fishery Effort Estimation Algorithm

### **SEFSC Gulf of Mexico Shrimp Effort Estimation Sept2023.pdf** PDF of methods used by the Dettloff Algorithm

## Raw ELB

### **raw\_elb\_YYYY.csv** Yearly files of ELB data collected at 10 minute intervals. In addition to time stamp and GPS coordinates, the file contains fields for Vessel ID (VSBN) which can be used to exclude confidential data, serial number of the ELB device (SERIAL), vessel speed in knots, and vessel activity state (stopped, fishing, steaming). (“BRK” and “DEPTH” are intermediate fields created during the analysis)

## Effort Pings

### **effort\_pings\_YYYY.csv** Yearly files of ELB “pings” that have been classified as “fishing” based on vessel speed. In addition to time stamp and GPS coordinates, the file contains fields for Vessel ID (VSBN) which can be used to exclude confidential data, serial number of the ELB device (SERIAL), tow start and end dates and times, hours of effort for each “ping”, and tow and trip numbers (sequentially numbered for each vessel).