

Tab D, No. 4

Shrimp cELB interim data collection process - update



NOAA
FISHERIES
SEFSC

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August, 2021

Brief review of issue

1. cELB units ceased transmitting information to the National Marine Fisheries Service (NMFS) on December 31, 2020, and National Environmental Satellite Data and Information Service (NESDIS) in Stennis shut down the machine receiving the electronic logbook data from cELB units on December 7, 2020.
2. cELB units are still collecting data, just not transmitting.
3. Plan for 2021 is for the shrimp fishery to continue to use the cELB units and the data will be manually obtained by the Southeast Fisheries Science Center on SD cards.

Interim steps to maintain data collection

1. Develop instructions for fishermen to remove old SD and install new SD card. – May 17th
2. Develop mailer for sending new card to fishermen, with return addressed mailer for the old card to go to Galveston Lab. – May 17
3. GSMFC will develop table on their Oracle server to load data from SD cards and develop scanning process to isolate virus infected cards. – February 15
4. NMFS IT staff will work with GSMFC developers to create the process to access data table at GSMFC, pull data to a NMFS server, and run conversion code to create usable data...and QC. – **fully tested and implemented June 30**

Interim steps to maintain data collection

5. Send postcard explaining to shrimpers that they should keep the unit powered up and we will send instructions on sending in SD cards from the cELBs. –April 15
6. We will send a letter mid-May explaining the process to fishermen, copying GMFMC, SSA, any other groups we identify. - sent June 1
7. Work with SERO to publish this info in a fisheries bulletin before May. – sent to SERO for publication June 1
8. Send chip return packages by mid-May. – 493 packages sent June 1



Interim steps to maintain data collection

9. NMFS will forward SD cards from fishermen to GSMFC to be loaded to data tables. GSMFC has agreed to process SD cards within one month of receiving them.
10. After review of data we will identify bad units and make the decision to replace or not. Review of received data is the next step for NMFS – We sent 116 replacement antennas- June 7 (units identified as needing replacement antennas prior to 3G cutoff)
11. GSMFC will return batches of used chips to Galveston Lab for storage.

Process can be repeated in the fall as a replacement for the cELB data collection is developed through the GMFMC.

Update on progress so far

- 493 replacement SD cards (including letter, instructions, pre-paid return envelope) sent out June 1, 2021
- 212 cards returned to SEFSC/Galveston
 - Batch 1: 103 cards sent to GSMFC on July 13, 2021
 - Batch 2: 109 cards sent to GSMFC on July 26, 2021
- Batch 1 processed by GSMFC
 - 95 cards contained data
 - Data successfully transferred to the cELB server
 - Data need to be analyzed to confirm if it is usable data
 - All cards returned to NOAA for record retention
- Batch 2 is currently being processed by GSMFC
 - Two were returned blank
 - Data needs to be analyzed



Update on progress so far – next steps

- NMFS needs to analyze the data received so far to make sure it is good, usable data
- Continued follow-up and feedback to fleet
 - Reminder postcards to those who have not returned SD cards.
(We need to consider other methods to convince them to participate)
 - Thank you postcards to those who have returned SD cards
 - Feedback to those who returned SD cards to confirm that unit is transmitting good data.