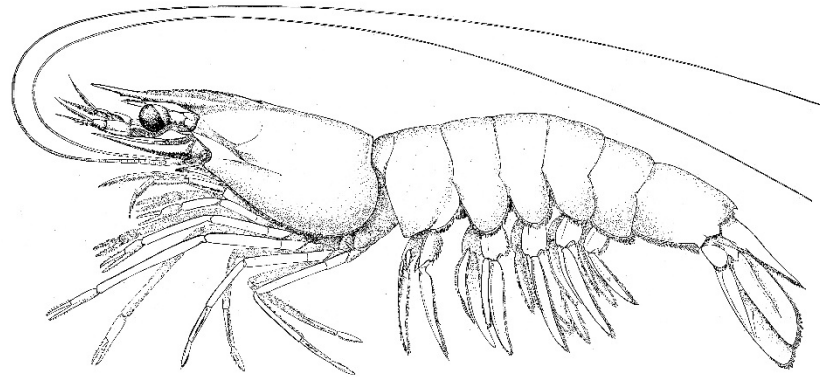


Electronic Logbook (eLB) Data of the U.S. Gulf of Mexico

Shrimp Fishery: Data, Security & Storage



Gulf States Marine Fisheries Commission

October 21, 2021

Shrimp Focus Group Meeting

Virtual



Shrimp eLB Data Process

- Data transfer to GSMFC
- GSMFC Data processing
- Data transfer to NOAA SEFSC
- GSMFC's capacity to handle automatic electronic/cellular transfers



Data Transfer to GSMFC

- SEFSC Galveston Lab sends a batch of eLB SD cards via FedEx to the GSMFC
- Each SD card is contained within a Tyvex envelope as received by SEFSC Galveston Lab
- Each envelope is identified with the vessel name, eLB ID, and the eLB box serial number
- SEFSC Galveston Lab emails an Excel spreadsheet listing the contents of the batch



GSMFC Data Processing

- Disconnect computer from GSMFC network
- Process SD card:
 - Perform a virus scan
 - Verify data file exists
 - Copy data file to local working directory
- Connect computer to GSMFC network
- Remove invalid characters from local data files
- Import data files into an Oracle table in the GSMFC GulfFIN data warehouse
- Delete data files from local working directory



Data Transfer to NOAA SEFSC

- Repackage SD card envelopes for return to SEFSC Galveston Lab via FedEx
- Notify SEFSC Galveston Lab the batch is complete and ready for retrieval via GSMFC secure Oracle connection
- SEFSC Galveston Lab downloads the data from the GSMFC GulfFIN data warehouse



Automatic Electronic Transfers

- GSMFC is more than capable of handling secure electronic transfer of data using multiple transfer methods
- GSMFC requirements for this data are:
 - Data will be sent to cloud service for security, availability, and reliability. The GSMFC IT dept is not a 24/7 operation.
 - GSMFC is not the end repository for the data



Automatic Electronic Transfers

- GSMFC will deliver the data in the same format as received and remove the data upon download confirmation
- The eLB boxes must clean any invalid characters before transmission
- Prefer the data be delivered in GSMFC specified format and method
- Additional costs will be incurred if GSMFC must receive data as currently being utilized or must require cleaning/pre-processing





Questions?

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