Readme for processing WDFW logbook data

Create-and-save-GIS-sf\_and\_gdb.Rmd and Read and prep crab logbook data\_2020-08-28.Rmd were developed by Corey Niles at WDFW and sent to NWFSC when the WDFW logbook data were shared.

logbook\_mapping\_fxns.R was originally scripted by Owen Liu at NWFSC. It consists of 3 functions: place\_traps(), join\_grid(), and map\_traps().

logbook\_mapping\_fxns.R relies on an UPDATED 5km grid developed by Blake Feist. In this grid, ports and embayments are included instead of cut out (as they are for the grid used in the VMS pipeline). THE DOCUMENTATION IS IMPORTANT, because it indicates what the attributes mean and in particular contains the unique ID codes for specific bays and ports.

5km vector grid with all bays and estuaries: fivekm\_grid\_polys\_shore\_lamb (<https://drive.google.com/drive/folders/1A5fl1hIl4VWl0CSRCX18FYme-yevqP47?usp=sharing>)

5km vector grid documentation: 5km VMS grid methods & notes.xlsx (<https://drive.google.com/drive/folders/1A5fl1hIl4VWl0CSRCX18FYme-yevqP47?usp=sharing>)

High-resolution composite bathymetry, with updated documentation

NGDC composite bathymetry: vms\_composite\_bath (<https://drive.google.com/drive/folders/1YNxPDGd8tn_RxxLdtrxi63xXC2U6OLf4?usp=sharing>)

NGDC composite bathymetry documentation: Composite VMS topography grid methods & notes.xlsx (<https://drive.google.com/drive/folders/1YNxPDGd8tn_RxxLdtrxi63xXC2U6OLf4?usp=sharing>)