Notes for Togiak herring

10/9/2018

* Post peak age comp?
* Task: update 2016-2018 catch (2016 and 2017 needs to be updated from ADMB file; 2016 was prelim)
  + 2018 harvest comparison needs to be updated and used for 2019 forecast
    - Highlight on this sheet what using for ADMB model
    - Make sure have ref
      1. Check 1996, 1997 ref and numbers against file ‘Total Catch (1980-2016)’ file
      2. Need to confirm catch with Greg
      3. Need to change 2016 based on email
* 2016 gillnet age comp was missing but already in model data (read me on github site to explain how Sherri calculated last year)
* Herring survey evaluation is the rankings but needs to be updated
  + Confidence 3 is final ranking
  + In red scd added
  + Update so later on we can update our ranking system (e.g. add in peak rating, surveys after/before peak, biomass); info. is not used for forecast, but may be used in the future for changing rankings
    - Need to send Tim and Greg confidence3 and year so they can rank 2018 (survey ranking) for our files and other rankings
* TogHerTables2017
* TogHerTables2018
  + Find out when fishery ends-find peak (3375)
    - Season and postseason split
      1. Ask Greg/Tim is the line between season and postseason based on purse seine or gillnet fishery end?
         * Season defined by purse seine
         * Is there a gillnet postseason harvest?
  + Table2
    - includes spawning biomass estimate (16,001)
      1. Ask Greg/Tim what catch to add to get mature biomass?
         * Add the Post peak harvest?
  + Table3
    - 1. For the combined harvest, why stop at 4/30 and not 5/2? Is it based on landed or catch date?
      2. Post-season harvest? 5,713 from combined table? Needs to be added to spawning biomass to create mature biomass
* 2018Biomass
  + Maybe repeated info
  + TotalRunBiomass

1) Peak survey

2) Post season peak survey

3) Pre peak harvest

* + - 1. Gillnet
      2. PS
    - Post peak gillnet harvest missing
    - Pre-Peak seine harvest as 5/1 and less
      1. How can you have a post peak if there is no seine harvest after the peak?
      2. No post peak age comp because you don’t want to take from gillnet since it is selective
      3. Are dates not consistent (5/1, 5/2)?
  + Gillnet Biomass
    - Should have total and a post peak
    - Should also be 4+
    - Weight by the harvest and not equally across strata
      1. Almost like lumping across all samples
    - Need numbers at age for model
  + PurseSeine Biomass
    - Harvest (tons)
    - Count at age
    - Average weight at age
      1. Count x WAG
    - Should have total and a post peak
    - Should also be 4+
    - Weight by the harvest and not equally across strata
      1. Almost like lumping across all samples
    - Why is there post peak seine harvest if it is defined as the last day of the purse seine season?
    - Total PS adjusted for 4+
  + These workbook needs to be reviewed thoroughly
* 2017Biomass\_scd file
  + SCD calculated percentage of ages 4+
  + Extra table could be needed for use in 2016Biomss interpolated
  + Match to ADMB data to see what SCD used in ADMB and then try to replicate for 2018 biomass
* Is aerial survey biomass from Togiak.dat ADMB file mature or spawning?

Need:

* Age comp for PS
* Age comp for gillnet
* Age comp for spawning pop

For meeting with Greg:

Explain ASL process