Sources of Data for the Togiak Herring Stock Assessment

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# Data Sources:

1. weight-at-age used for biomass forecast
2. use the prior year’s data 2018 forecast: 2018ASAForecast v10 age12+ INPUT DATA FINAL gb 12-5-17 (excel) observed weight at age for purse seine and total run 2019 forecast: 2017 purse seine gillnet WAA from greg 10-16-17 or access database
3. total purse seine annual catch ( \*\*still need to add test fish and dead loss to 2016 and 2018 data
4. total annual observed aerial survey biomass (metric tons) 2019 forecast: TogHerrTables2018 Table2 (excel) or Herring survey evaluation 2019 (rankings sheet- ‘biomass estimate-model input’ converted to metric tons)
5. total annual observed aerial survey biomass (metric tons-tuned to model) 2019 forecast: Herring survey evaluation 2018 (rankings sheet); ‘included in assessment’ column; if the value is a 1, then the actual biomass estimate is used (metric tons)
6. obs\_caa (millions); obs\_catch\_naa gillnet 2018 forecast: 2017Biomass\_scd sheet ‘Gillnet Biomass’ column Z 2019 forecast: 2018Biomass\_SEM sheet ‘Gillnet Biomass’ column Z
7. commercial catch weight-at-age (obs\_c\_waa) matrix (purse seine) 2018 forecast: 2017purse seine gillnet WAA from greg 10-16-17 2019 forecast: 2018Biomass\_SEM sheet ‘PurseSeine Biomass’ column V
8. seine composition matrix 2018 forecast: 2017Biomass\_scd sheet ‘PurseSeine Biomass’ column AS 2019 forecast: 2018Biomass\_SEM sheet ‘PurseSeine Biomass’ column AS
9. mature composition matrix 2018 forecast: 2017Biomass\_scd sheet (totalrunbiomass) column Y 2019 forecast: 2018Biomass\_SEM sheet (totalrunbiomass) column Y
10. total gillnet annual catch (metric tons) 2018 forecast: TogHerrTables2017 (Table3 sheet)-convert to metric tons 2019 forecast: TogHerrTables2018 (Table3 sheet)-convert to metric tonsmetric tons) 2019 forecast: 1980\_2018\_harvest\_email to Greg v2
11. Rules for catch -catch on peak and after peak never included in aerial survey biomass estimate -it is assumed that the catch was observed in the peak or post survey peak (i.e the same fish)
12. does totalrunbiomass include PS and gillnet or just PS? look at 2017 data