**NMFS Eastern Bering Sea Trawl Survey – Bristol Bay Resampling Protocol**

In colder years, a portion of the female Bristol Bay red king crab population has not yet completed the molt-mate cycle when Bristol Bay is surveyed during the NMFS eastern Bering Sea bottom trawl survey.  Under these conditions, a subset of the Bristol Bay stations must be resampled later in the summer to improve the accuracy of the size composition data for post-molt Bristol Bay red king crab females. Secondary goals are to assess the reproductive status and abundance of these females after the molt-mate cycle is complete.

Bristol Bay resampling is prompted if **25% or more** of the mature females in the Bristol Bay District have not yet completed the molt-mate cycle.  Females are considered to have an incomplete molt-mate cycle if they have any of the following clutch characteristics: 1) eyed eggs [x-2-x], 2) hatching eggs [0-5-0], 3) empty egg cases [0-4-1], or 4) barren; mature with no eggs [0-0-1].  Females that have completed the molt-mate cycle have uneyed eggs.

If resampling is necessary, it will occur at **20 stations** within the Bristol Bay District.  Resample stations are selected based on the density of mature females during the initial sampling event.  The resampling area must include stations containing 80% of mature females with an incomplete molt-mate cycle sampled during the original survey, with consideration of the total mature female distribution.  Priority is given to a contiguous block of resample stations, so long as the above criteria can be met.