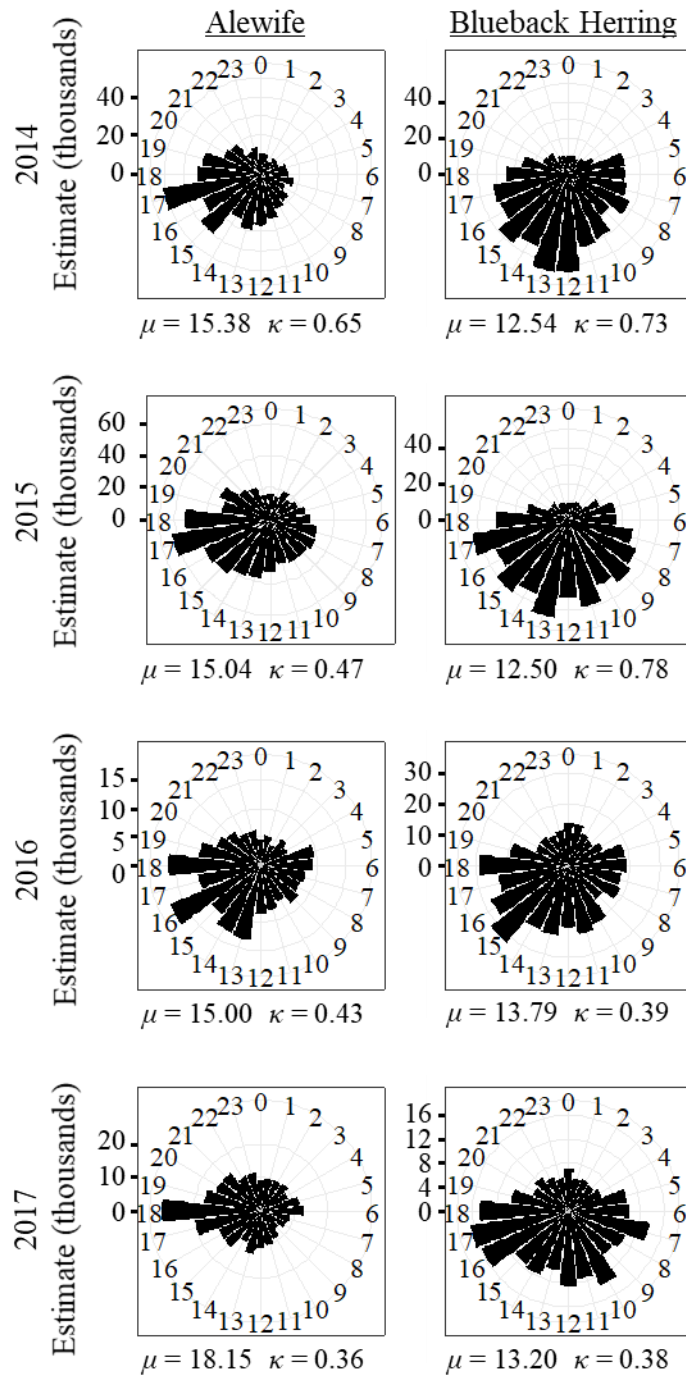
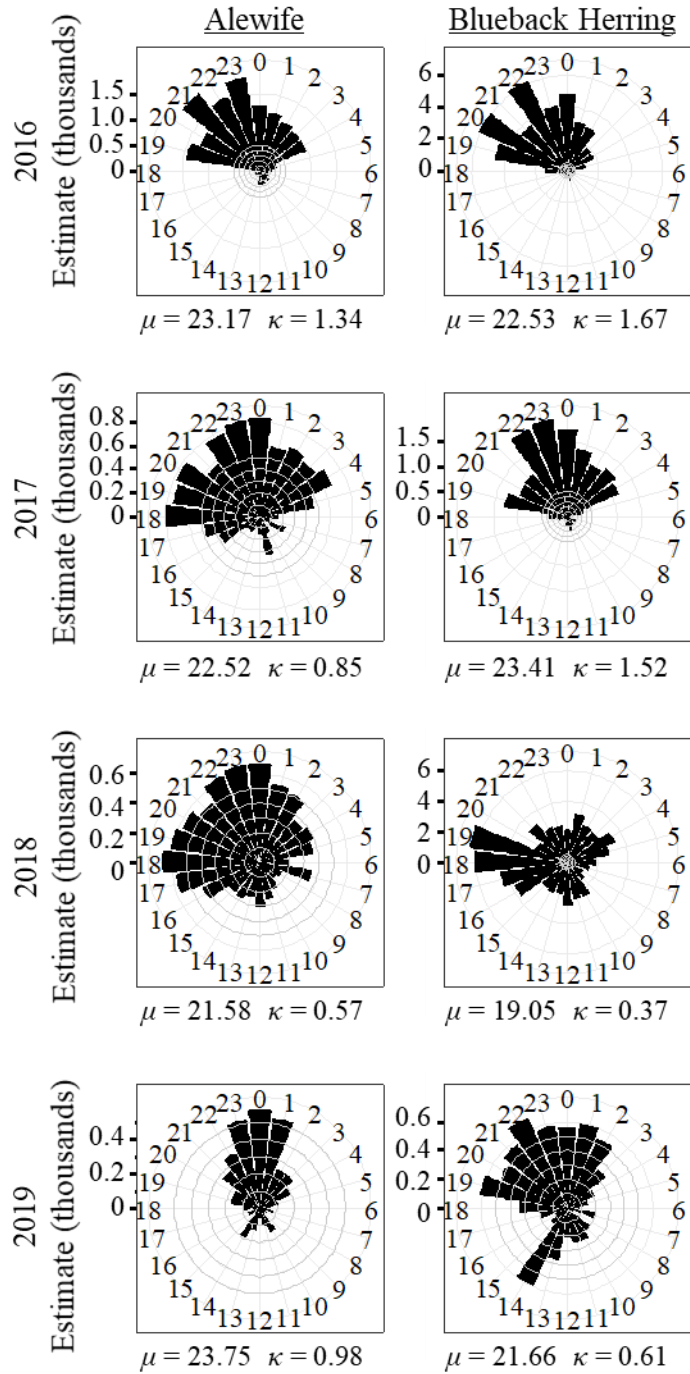


Choptank River



Supplementary Figure 5. Circular histograms representing the time of day of estimated upstream migrations for alewife and blueback herring each year in the Choptank River (2014-2017). Note the difference in scales. The von Mises distribution (mean  $\mu$ , dispersion  $\kappa$ ) are below each histogram.

Patapsco River



Supplementary Figure 6. Circular histograms representing the time of day of estimated upstream migrations for alewife and blueback herring each year in the Patapsco River (2016-2019). Note the difference in scales. The von Mises distribution (mean  $\mu$ , dispersion  $\kappa$ ) are below each histogram.