

Appendix 6B: Species Distribution by Survey Period

This group of maps shows how species are distributed around Great Salt Lake by survey period for an average year between 1997 and 2017. These data are comparable with the mean numbers listed in the Species Accounts (Appendix 5B) and the Survey Area Descriptions (Appendix 4B). Note that survey areas vary in size. Therefore, if two areas have differing size but a similar numbers of birds, the smaller area has a greater bird density.

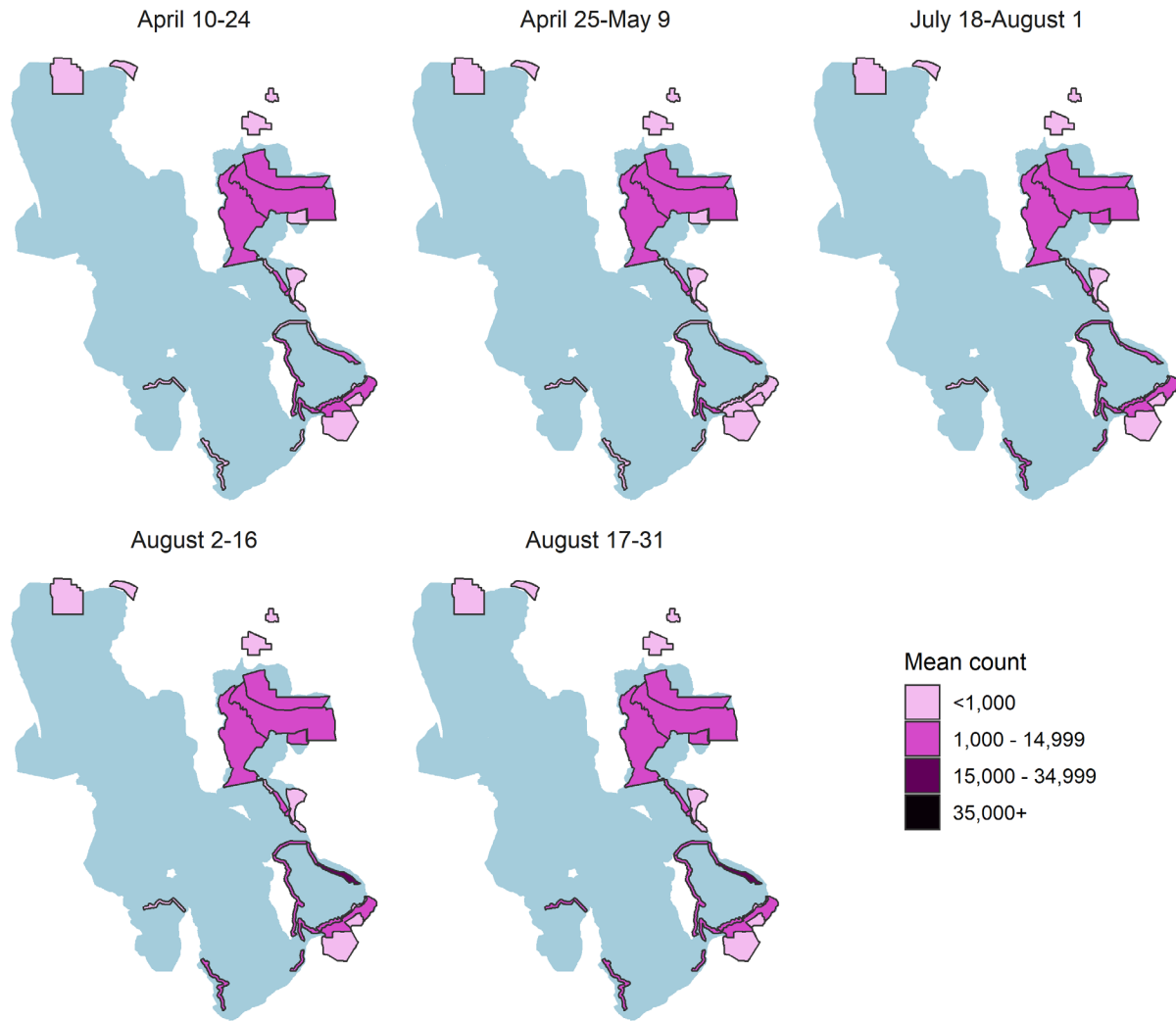
Caution Regarding Comparisons of New and Old Appendices

The new appendices (data spanning 1997 – 2017) should be considered as complementary to the ones created for the 2002 report (data spanning 1997 – 2001). The new appendices are particularly valuable in that they were generated from a dataset that spanned 21 years of observations, compared to 5 years for the old appendices. The old appendices are particularly valuable in that they were generated from a dataset that included many more survey areas and survey periods per year, compared to the new appendices. When viewed as complementary, a reader can use the two sets of appendices to gain a clearer picture about the relative abundances and distributions of waterbird species across Great Salt Lake.

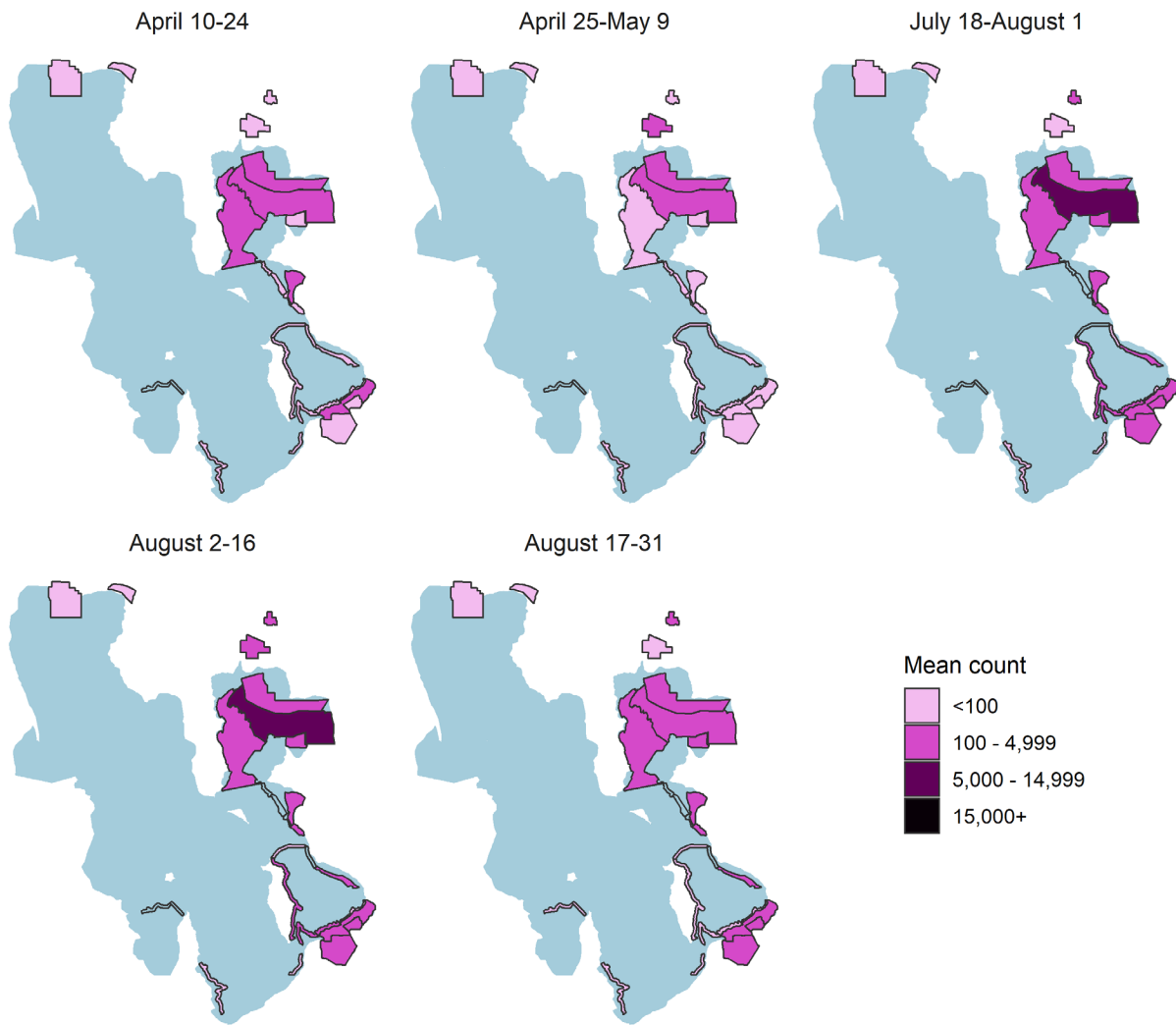
Given the superficial resemblance between the two sets of appendices, it may be tempting to compare metrics to infer something about changes in abundance or distribution across the 21 years represented by the new dataset. Literal comparisons between the two sets of appendices are generally not recommended, however, due to changes in survey areas and survey periods over the years. In Appendix 2B, we describe a case study that illustrates the pitfalls of such comparisons.

A statistically rigorous analysis of trends based on the 21-year data set has been completed and will be made publicly available pending scientific peer-review process.

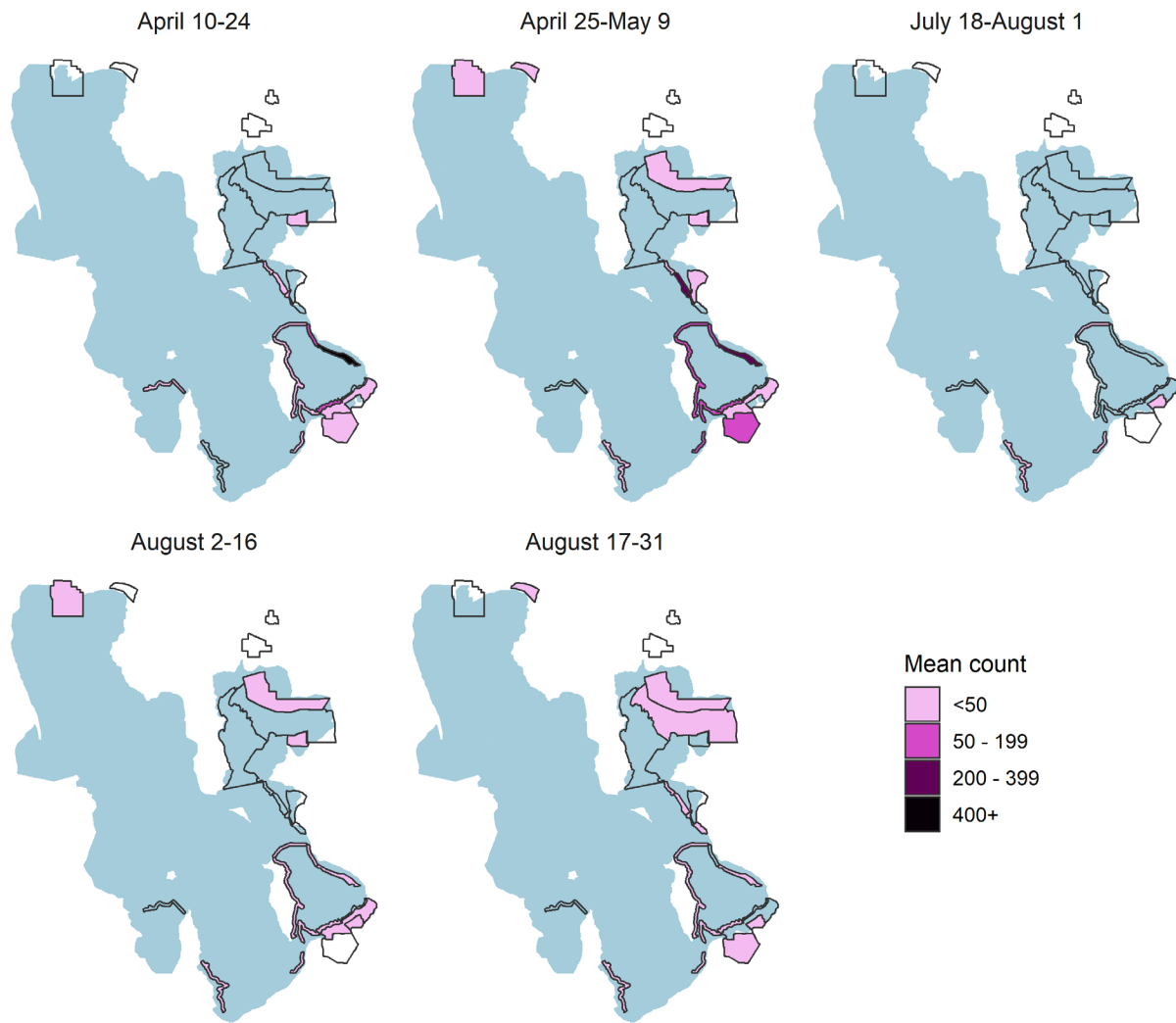
American Avocet Distribution by Survey Period



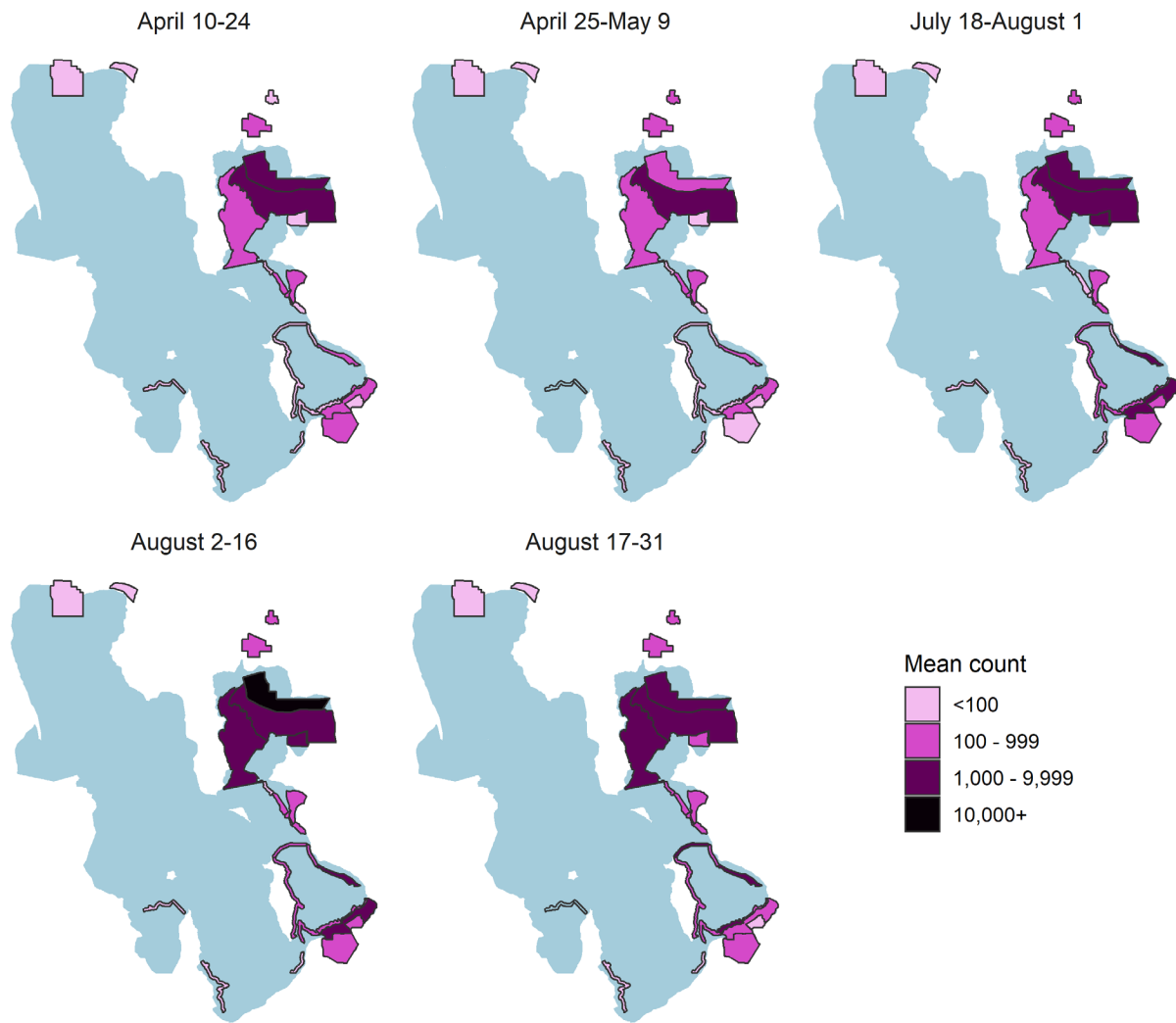
American White Pelican Distribution by Survey Period



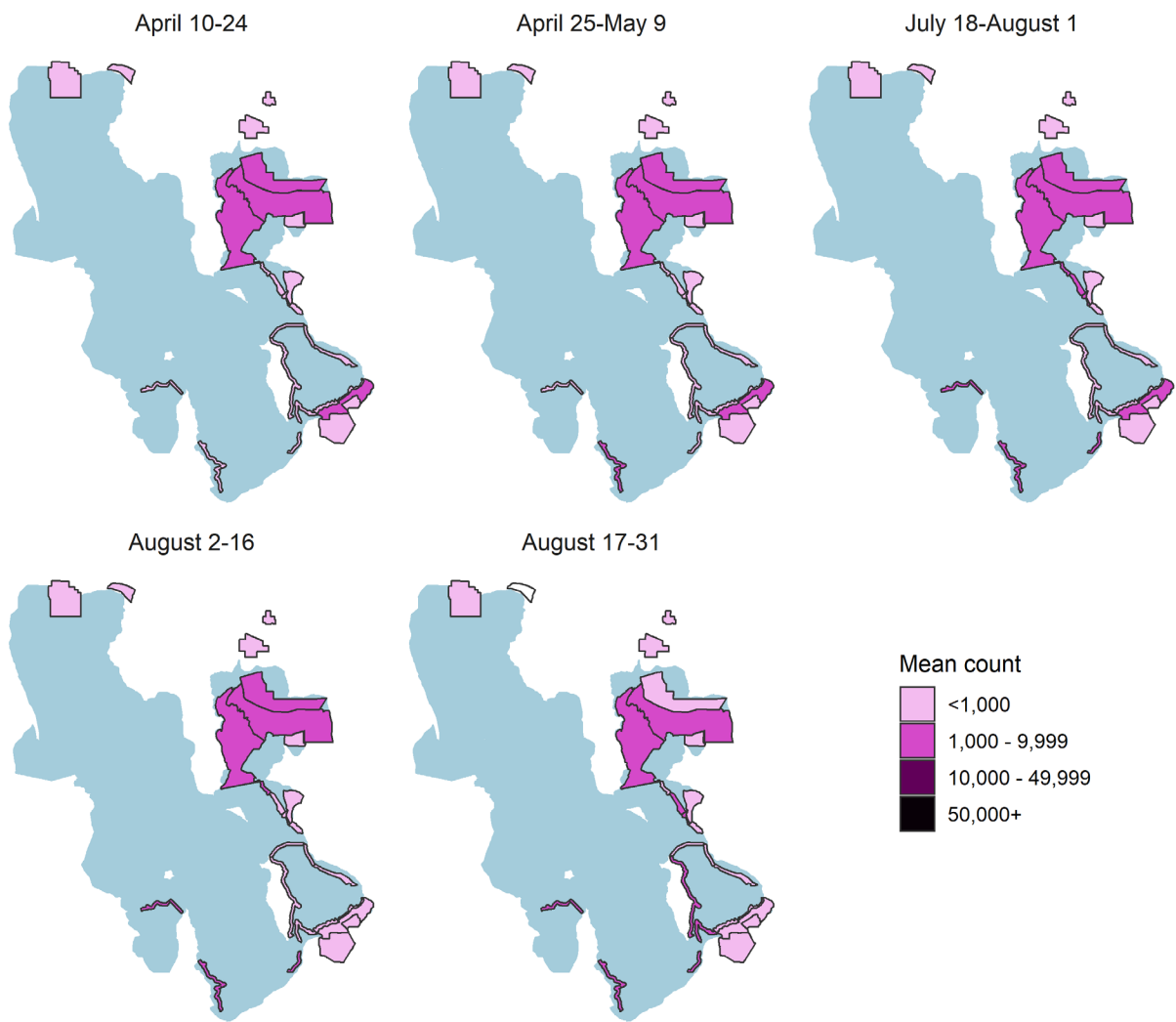
Black-bellied Plover Distribution by Survey Period



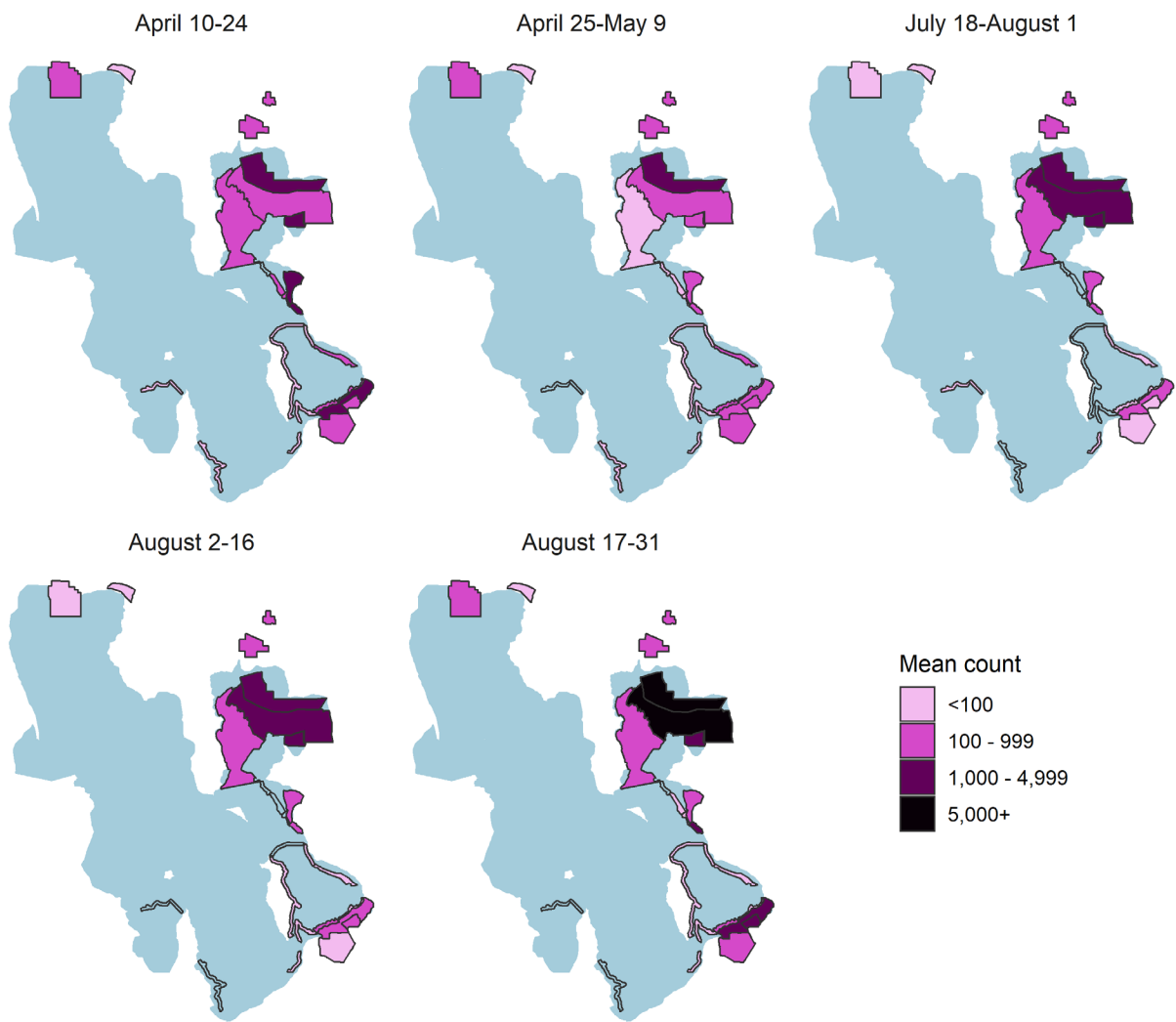
Black-necked Stilt Distribution by Survey Period



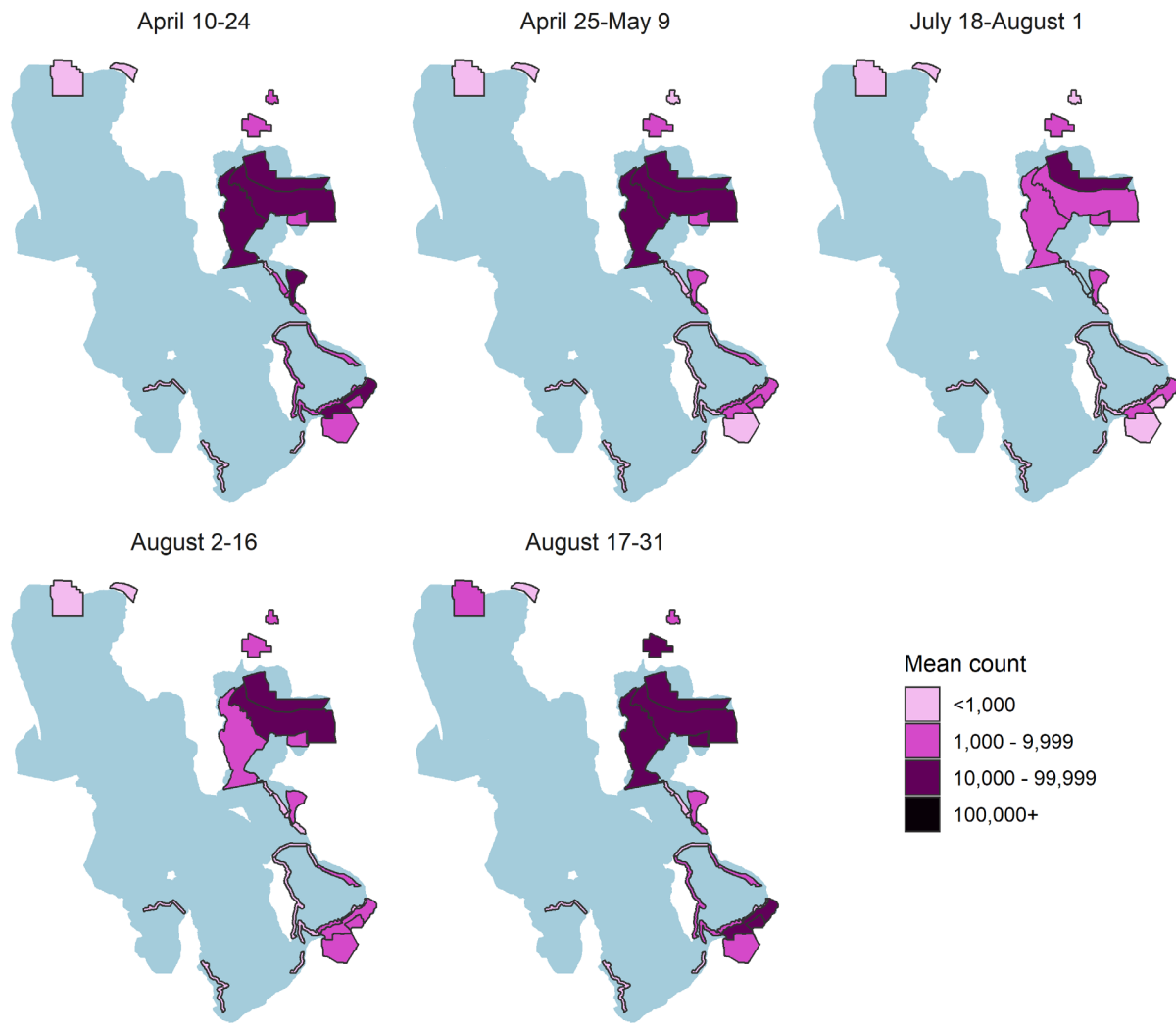
California Gull Distribution by Survey Period



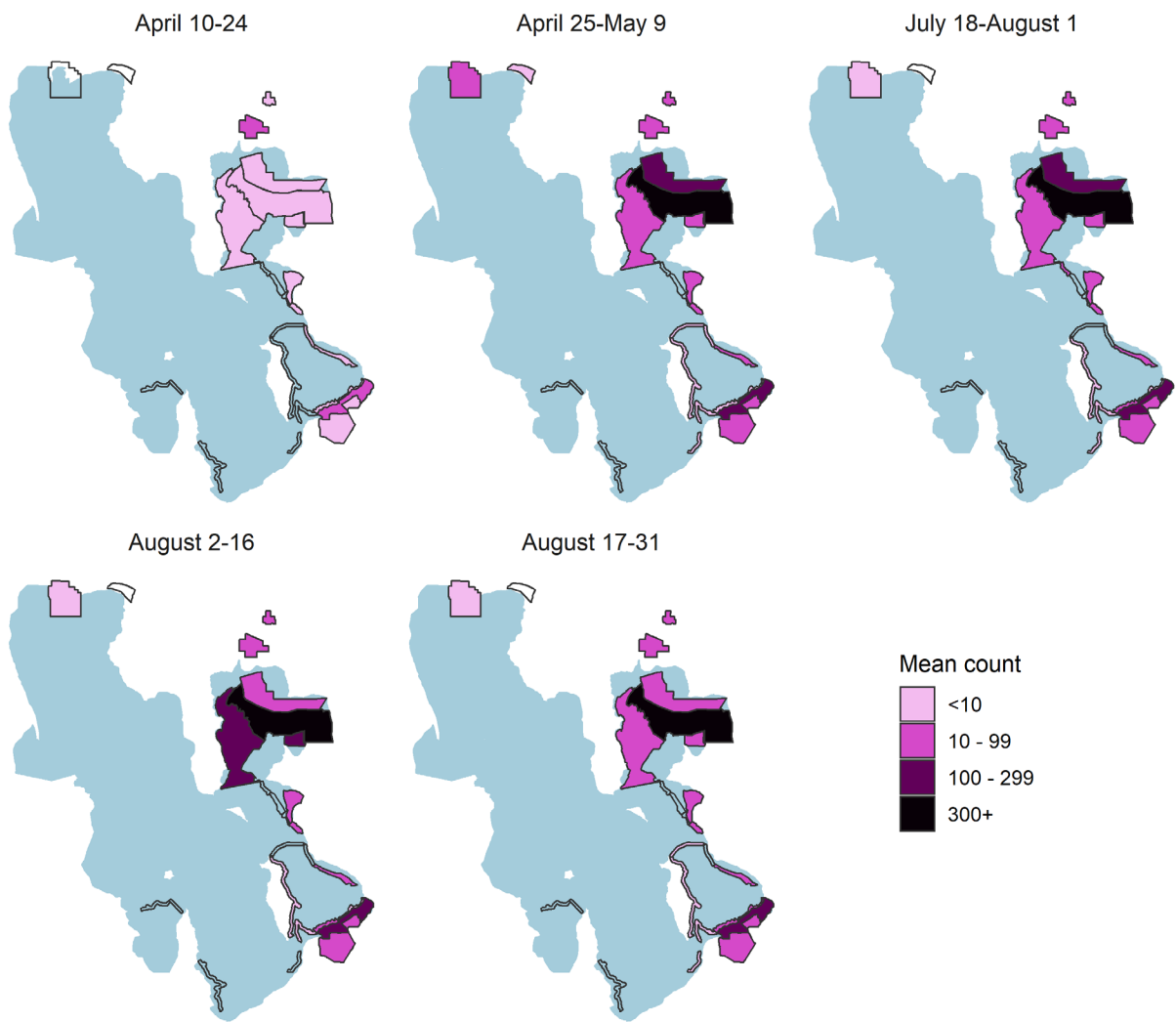
Cinnamon Teal Distribution by Survey Period



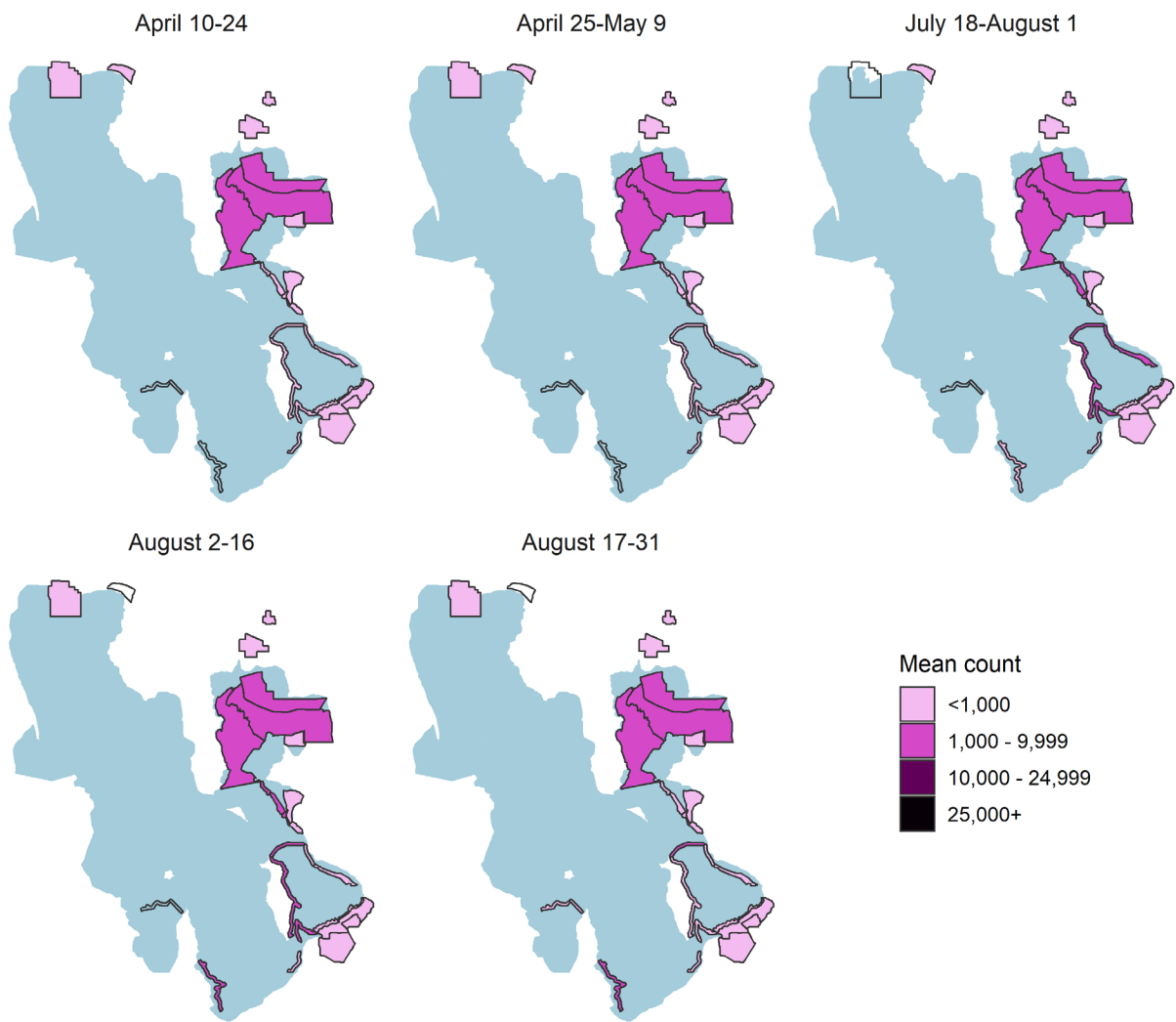
All Ducks Distribution by Survey Period



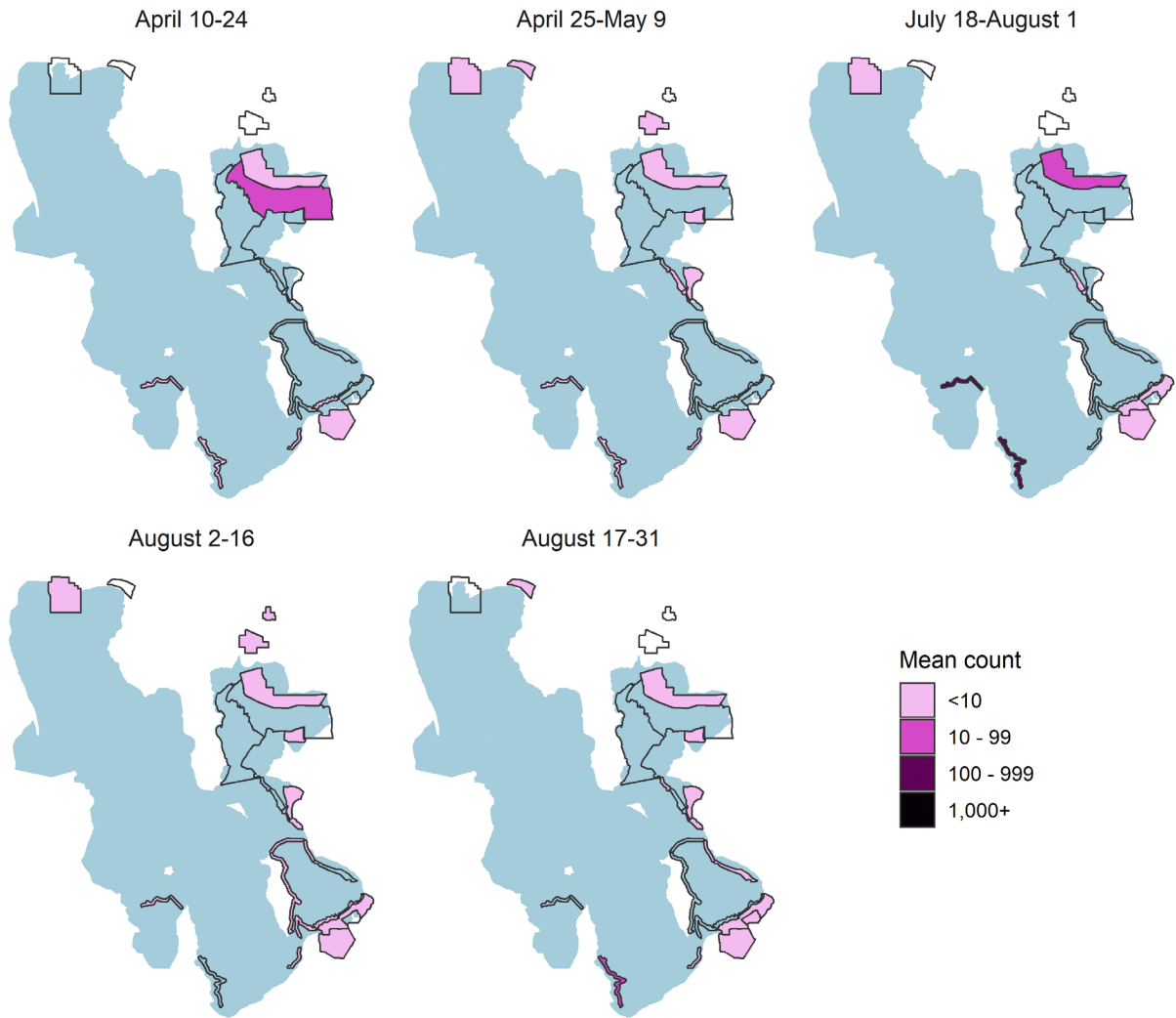
Forster's Tern Distribution by Survey Period



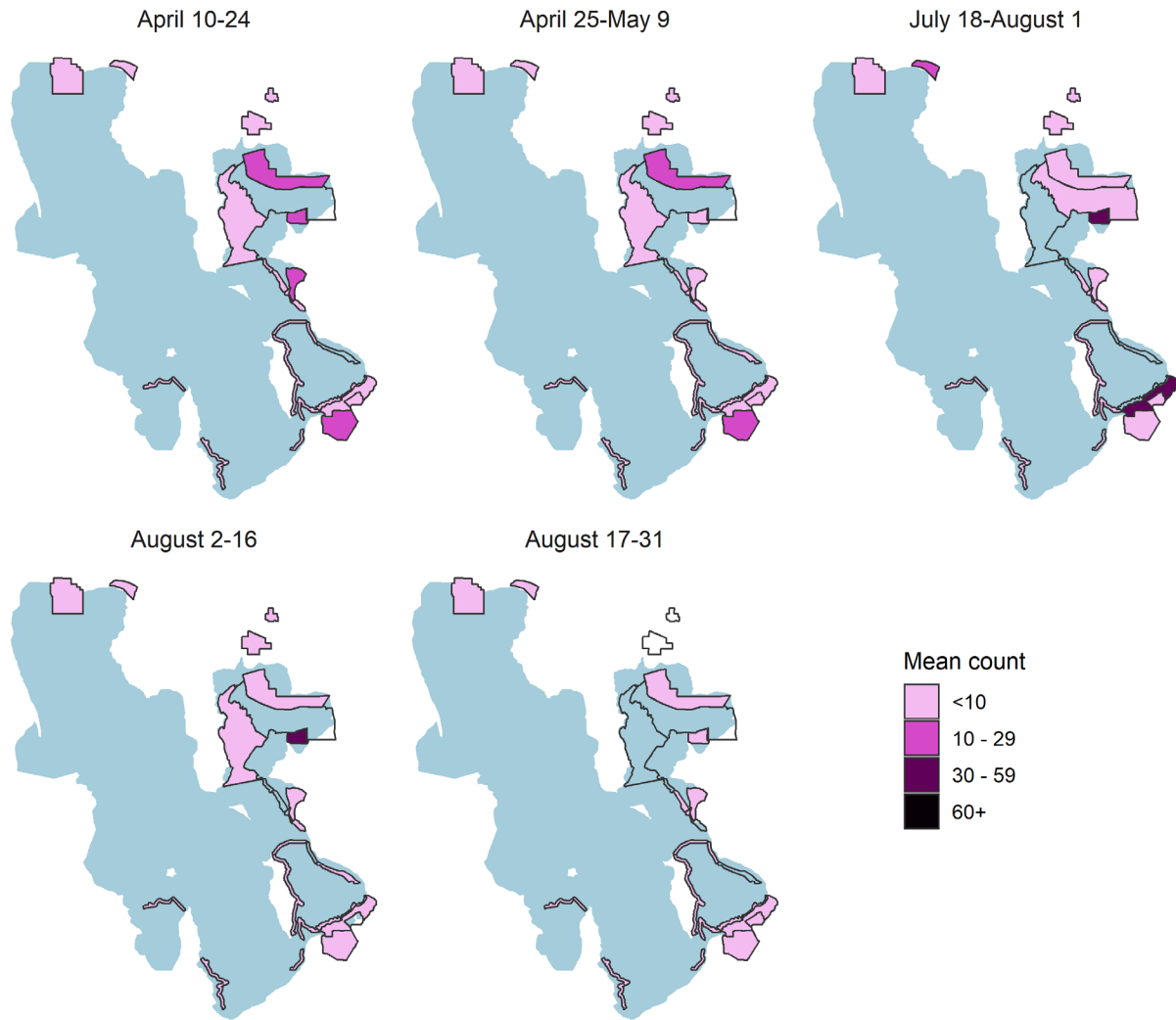
Franklin’s Gull Distribution by Survey Period



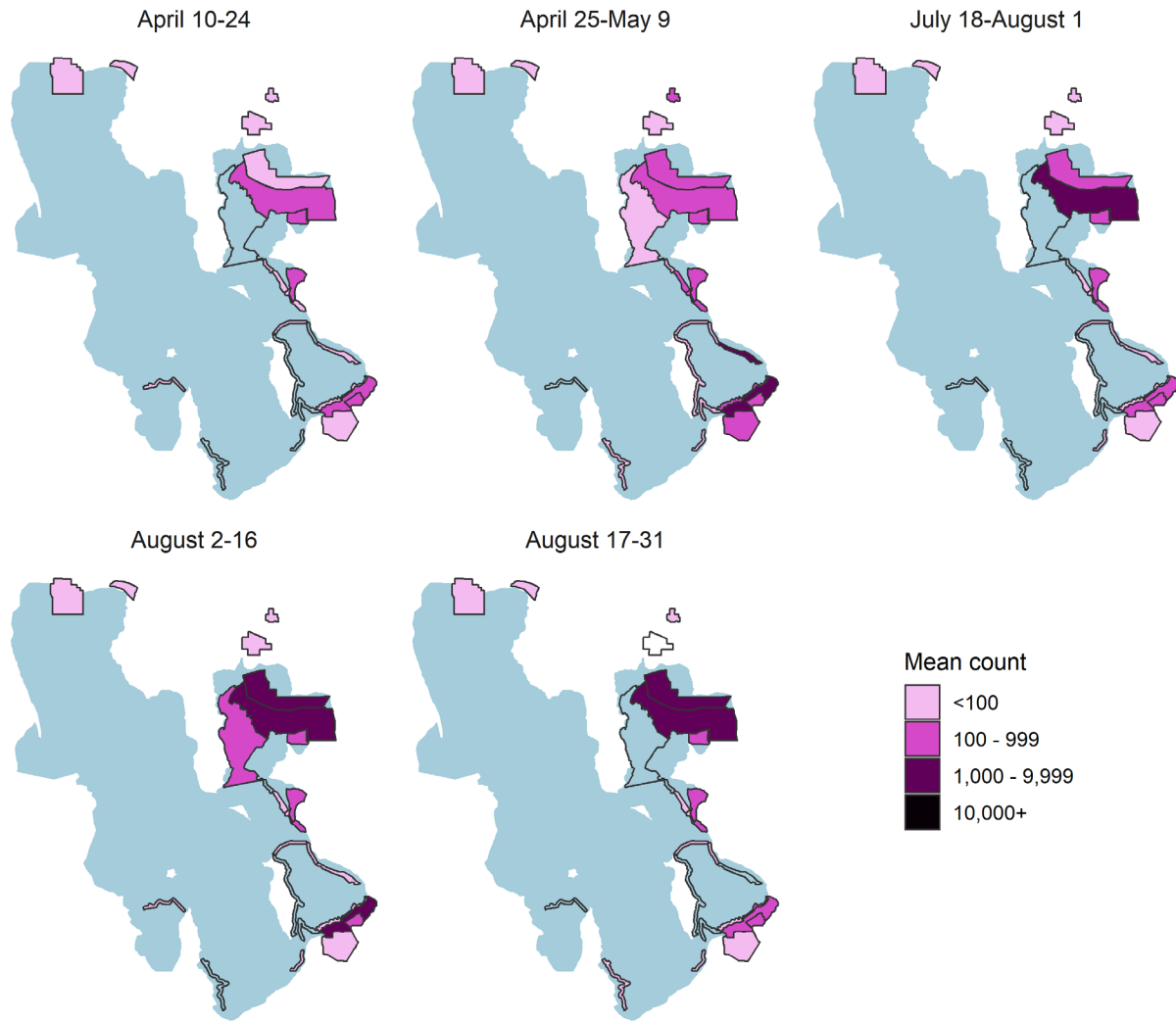
Least Sandpiper Distribution by Survey Period



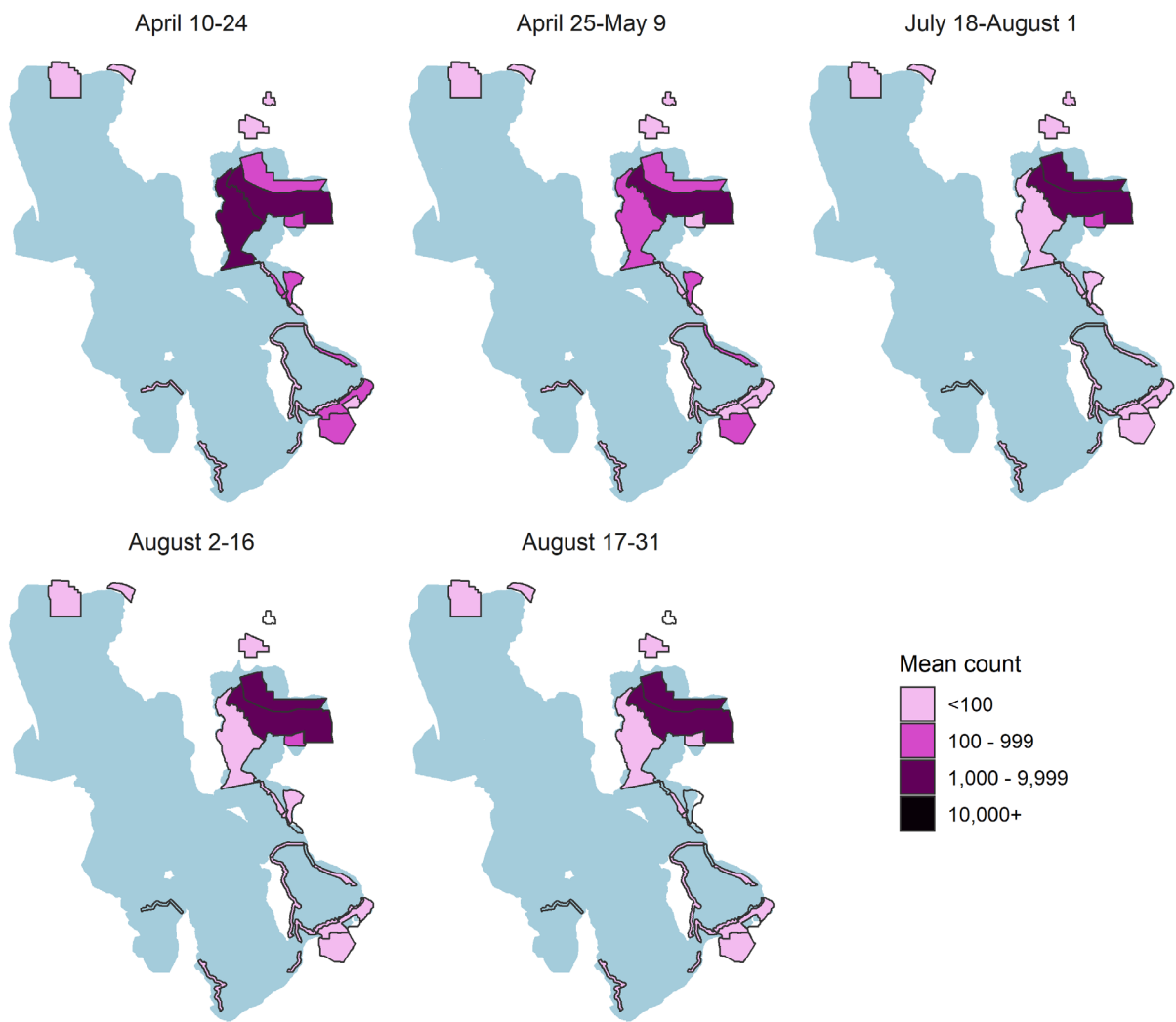
Long-billed Curlew Distribution by Survey Period



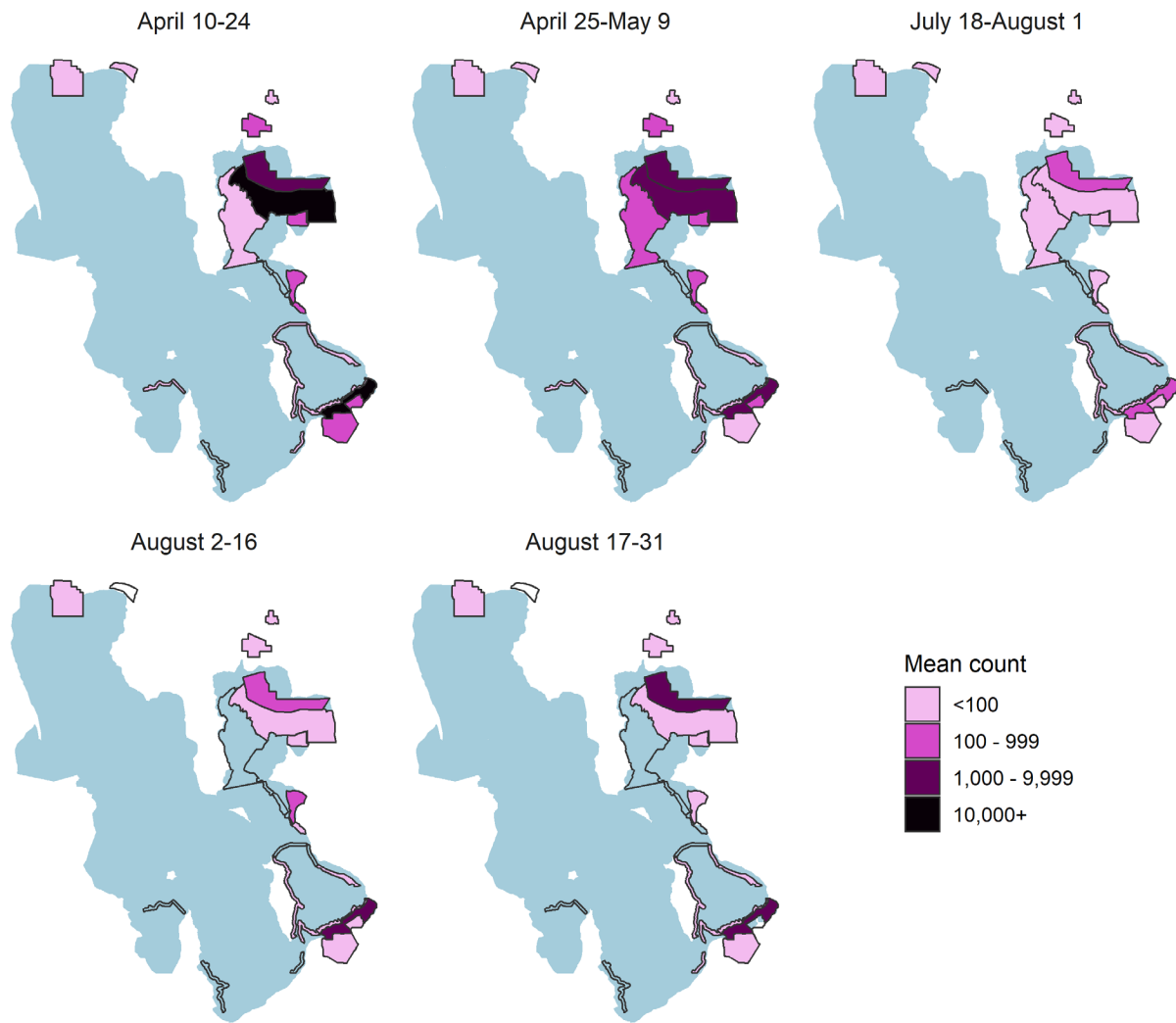
Long-billed Dowitcher Distribution by Survey Period



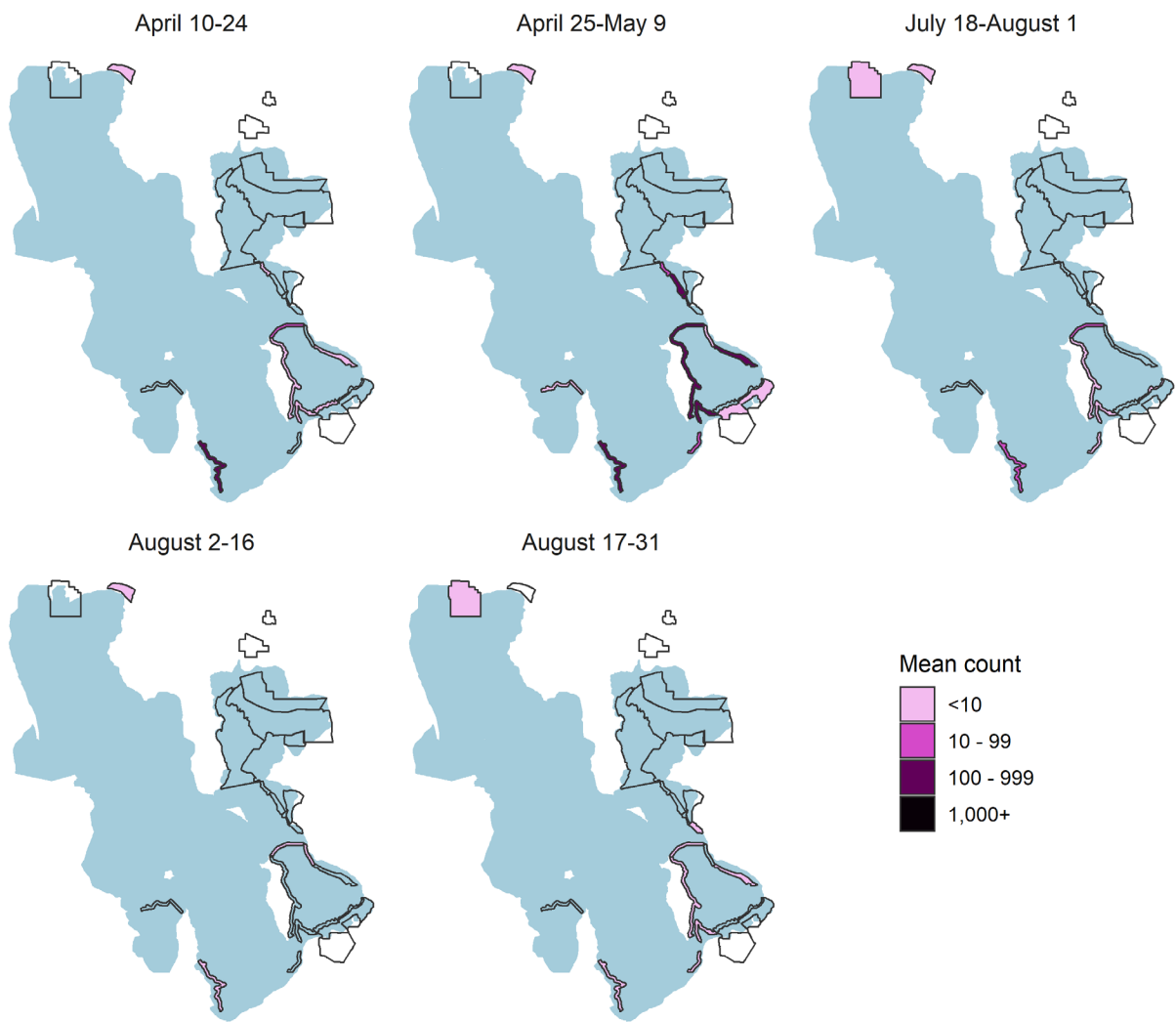
Marbled Godwit Distribution by Survey Period



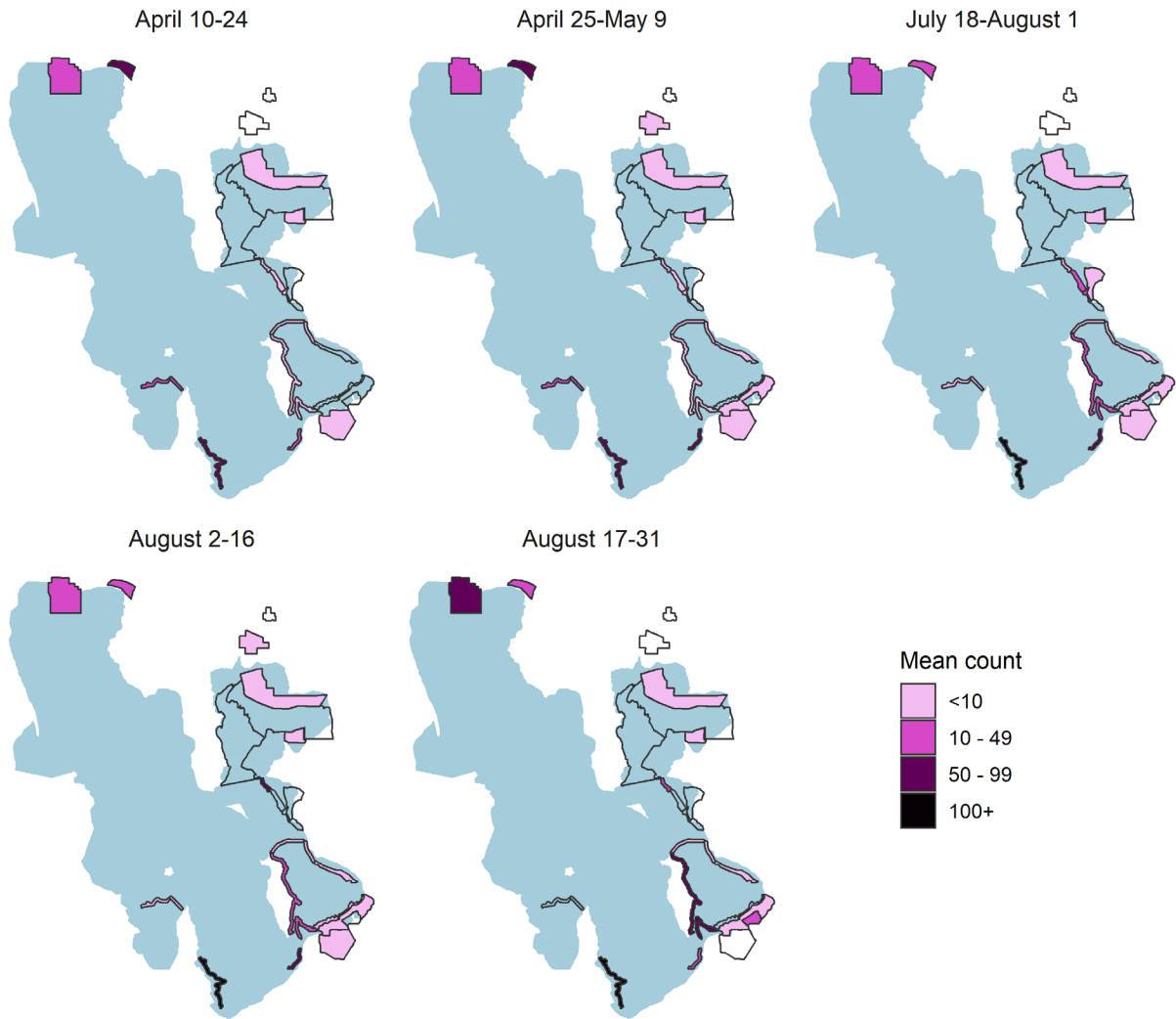
Ruddy Duck Distribution by Survey Period



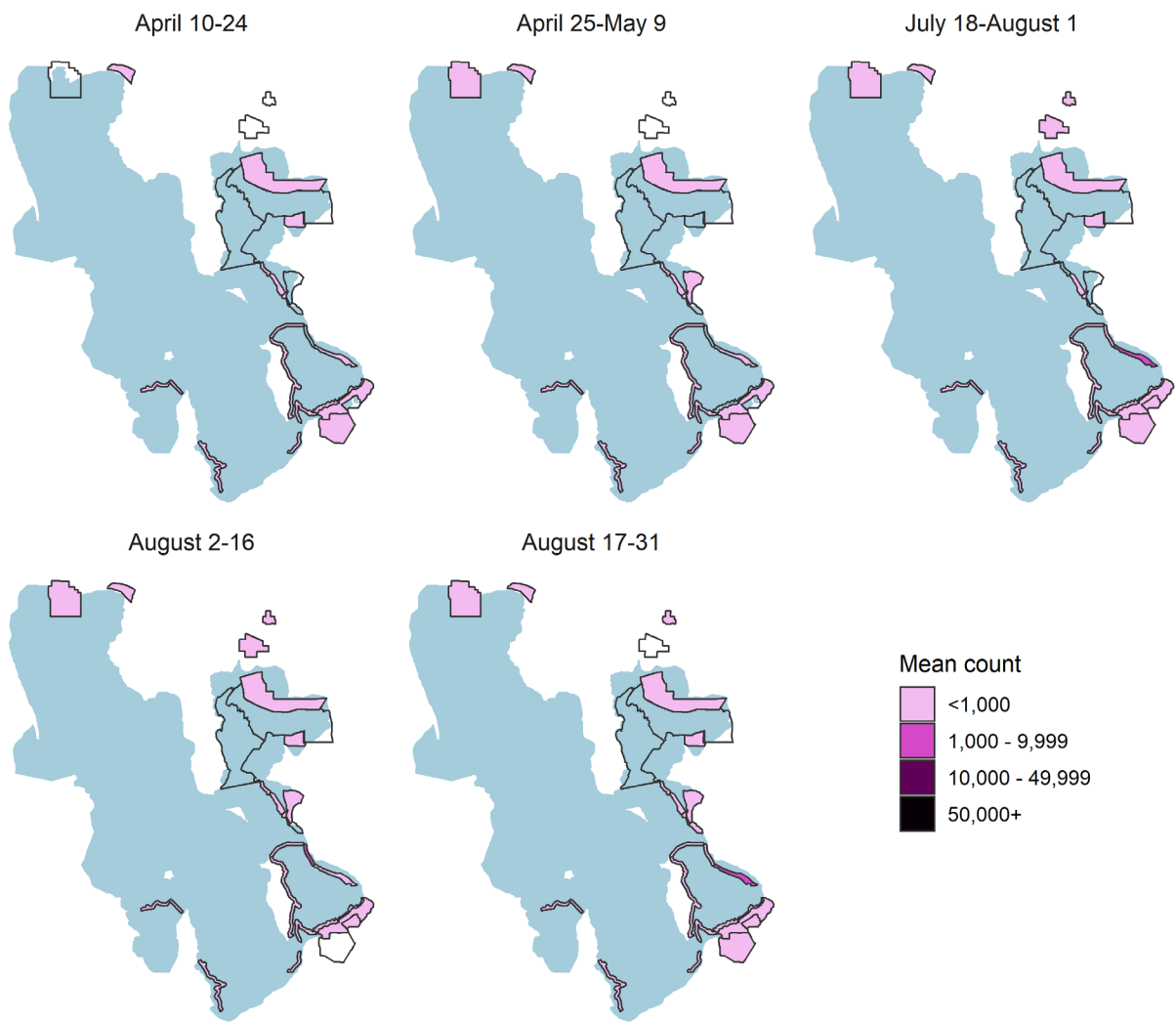
Sanderling Distribution by Survey Period



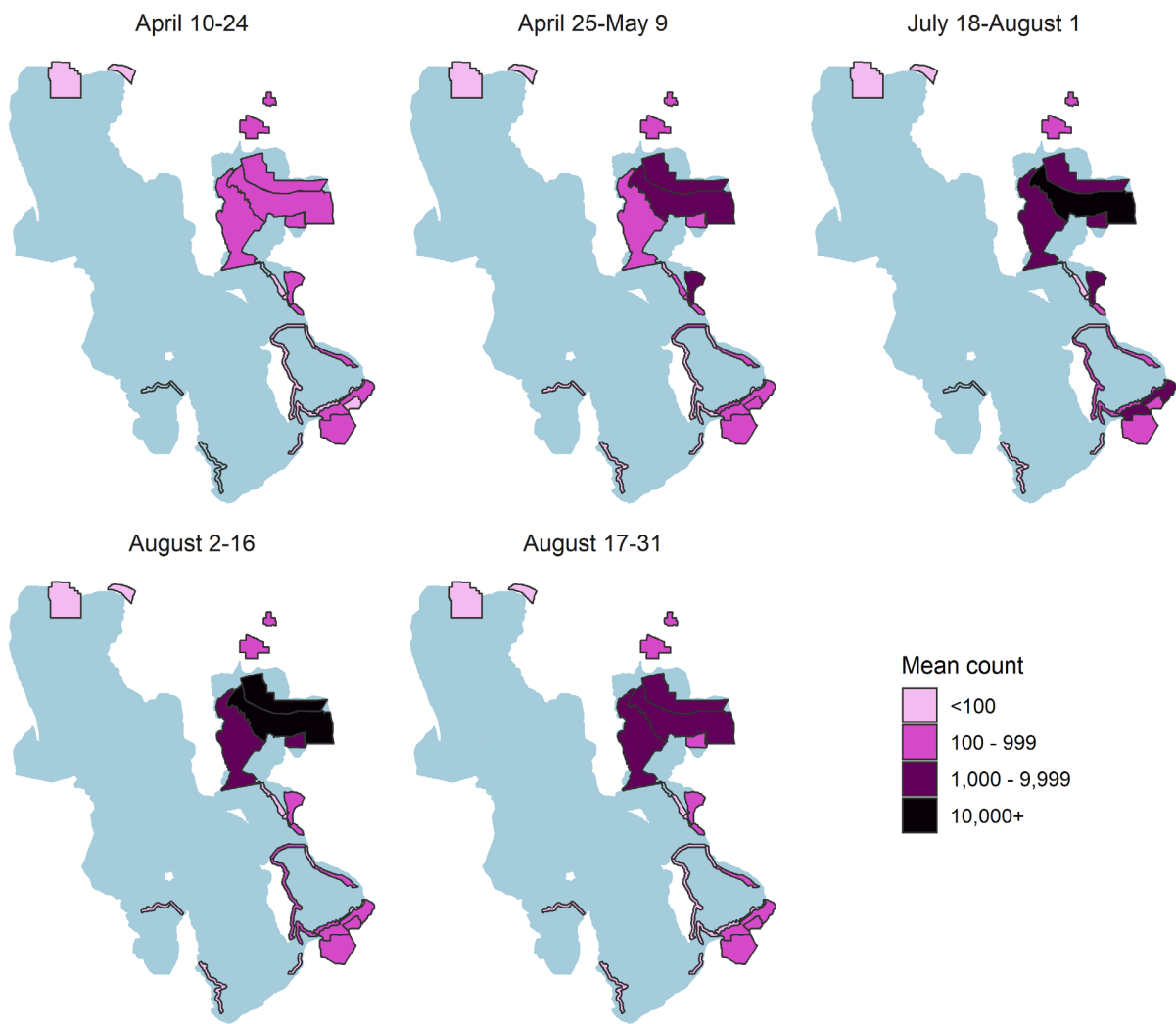
Snowy Plover Distribution by Survey Period



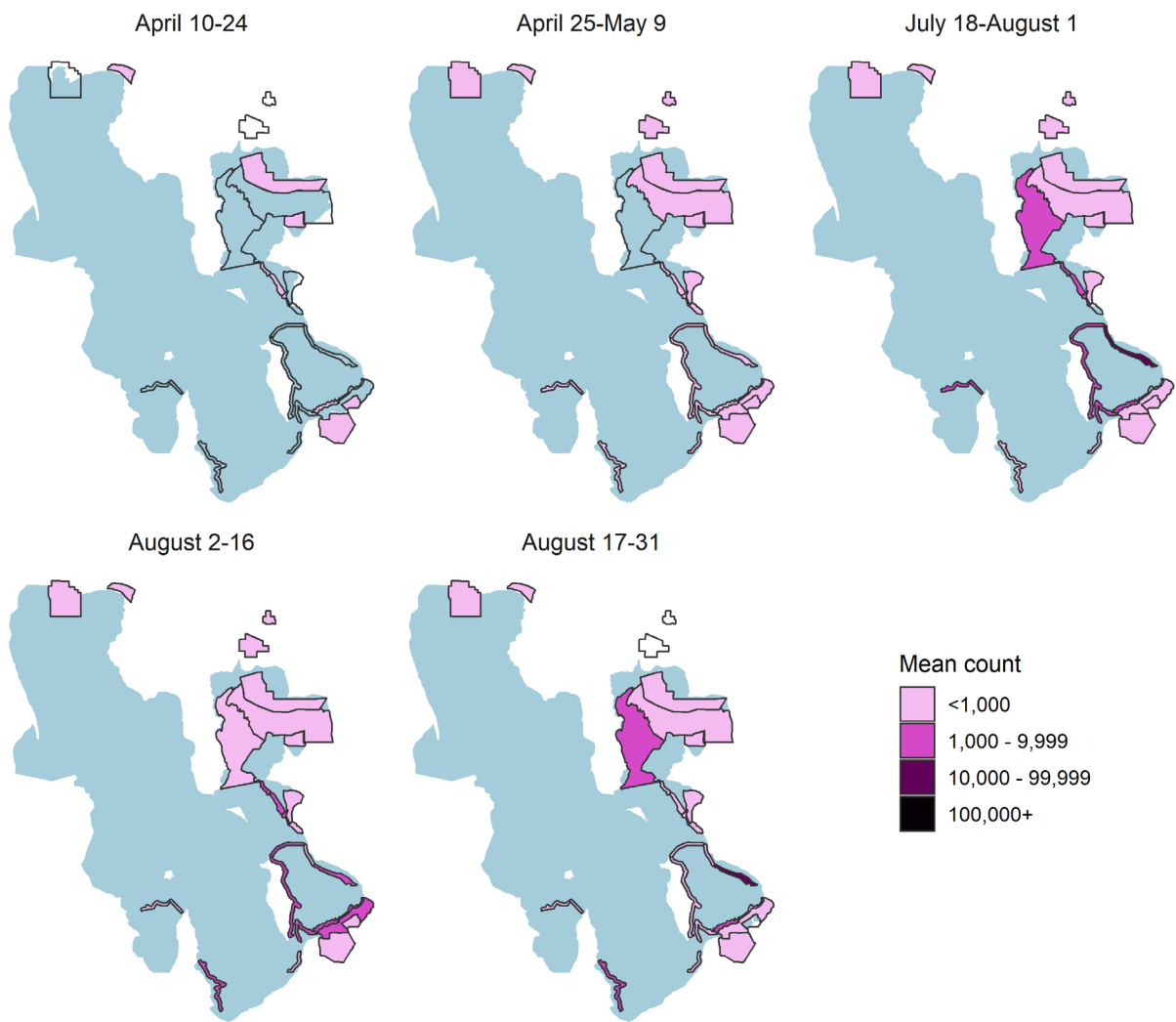
Western Sandpiper Distribution by Survey Period



White-faced Ibis Distribution by Survey Period



Wilson’s Phalarope Distribution by Survey Period



All Yellowlegs Distribution by Survey Period

