**Metadata For Data S1**

**Manuscript Authors:** T. D. Meehan, N. L. Michel, H. Rue

**Manuscript Title:** Spatial modeling of Audubon Christmas Bird Counts reveals fine-scale patterns and drivers of relative-abundance trends

**Manuscript Journal:** Ecosphere

**Code Title:** R code for producing fine-scaled winter-bird trends using Christmas Bird Count data

**Code Authors:** T. D. Meehan, National Audubon Society, Boulder, Colorado, USA, E-mail: tmeehan@audubon.org

**Code Files at https://github.com/tmeeha/inlaSVCBC:** cbc\_amro\_circles.dbf, cbc\_amro\_circles.prj, cbc\_amro\_circles.shp, cbc\_amro\_circles.shx, cbc\_amro\_grid.dbf, cbc\_amro\_grid.prj, cbc\_amro\_grid.shp, cbc\_amro\_grid.shx, cbc\_amro\_grid\_covs.dbf, cbc\_amro\_grid\_covs.prj, cbc\_amro\_grid\_covs.shp, cbc\_amro\_grid\_covs.shx, cbc\_na\_grid.dbf, cbc\_na\_grid.prj, cbc\_na\_grid.shp, cbc\_na\_grid.shx, modeling\_data.csv, nb1.graph, simple\_bcr.dbf, simple\_bcr.prj, simple\_bcr.qpj, simple\_bcr.shp, simple\_bcr.shx, standard\_trends.csv

**Code File Use:** The cbc\_amro\_circles.\* files are components of a shapefile used for locating CBC circles where American Robins occur. The cbc\_amro\_grid.\* files are components of a shapefile used for placing CBC circles on a regular 100 km grid. The cbc\_amro\_grid\_covs.\* files are components of a shapefile used for analyzing correlates of American Robin trends. The cbc\_na\_grid.\* files are components of a shapefile used for placing CBC on a regular 100 km grid. The modeling\_data.csv file contains American Robin counts. The nb1.graph file describes the spatial relationships between grid cells. The simple\_bcr.\* files are components of a shapefile that denote locations of Bird Conservation Regions. The standard\_trends.csv file lists American Robin CBC trends derived from the standard analysis method. All shape files use EPSG 102005 coordinate reference system. Latitude and longitude values in the \*.csv files use the WGS1984 datum.