Inconsistencies within columns

* Start\_time\_1 and end\_time\_1 have two data formats : 00:00:00 and 00:00. It would be easier to analyze if there was only one format
* Plot\_type: one row with “**i**NTENSIVE” instead of “**I**NTENSIVE”
* Standardized\_Species\_Code:
  + AGPL, should be AMGP (1 row)
  + RAVE, should be CORA (1 row)
  + Is the one observation of WTPT (White Tailed Ptarmigan) real? Or should it be WIPT? The normal range for WTPT doesn’t overlap with this region.
  + Not necessarily an error, but a clarification. CAGO was split to be CACG and CANG in 2004. Assuming that before the split, all were labelled as CAGO. What happened after 2004? There are some CACG, but no CANG in this dataset. Does CAGO = CANG after the split? Or does it sill include some CACG?
  + XXXX is upper case sometimes and lower case sometimes
  + What is AAAA?
  + What in UNAV?
  + If ‘UNYE’ is being changed to ‘UNSH’, then shouldn’t all unknown species be labeled as such depending on if they’re passerine, shorebird etc.? (I.e. UNRE, UNSP, UNWA should all be labeled as UNPA?
* Group:
  + incorrectly labelled as Shorebirds:  1 KIEI, 2 LALO.
  + incorrectly labelled as Gull: 1 GWFG (also could have been GWGU labelled incorrectly?)
* Group: Technically loons and grebes aren’t in the same order as waterfowl, and jaegers aren’t in the same family as gulls and terns. Not sure how technical you want to get with this column / if this matters.
* Plot\_Selection\_Method: 1276 rows of “Field **M**odified GIS selected” and 323 rows of “Field **m**odified GIS selected”
* Multiplier\_unknoen\_sex: typo in column name
* Multiplier\_male has one row with 2 instead of 1
* Sighting\_code: the plot "KWI-1314B" has 2 rows associated with sighting code 2, but no rows associated with sighting code 1. As far as I understand, all of the other plots where survey\_method = rapid have at least one row associated with sighting code 1, and if no birds are observed, species = XXXX
* There are plots in both subregions 7.1 and 9.2 where the subregion is “Rasmussen Lowlands”. Are the plots in subregion 7.1 supposed to be moved to region 9? Or are there two subregions with the same name? If it is the latter, it is confusing for them to have the same name
* Subregion code 8.3 is associated with multiple names "Kent Peninsula", "Hope Bay Mine Project"
* SIR-00032A,B,C and D have proportion surveyed = 0% and no birds were observed, so seems like perhaps they weren’t surveyed?
* Are the plots where Plot\_type = RAPID and survey\_method = ‘not applicable’, ‘not applicable  - final decision’, ‘rope drag’, or ‘spaghetti transects’ mistakes? I thought these surveys were only carries out on intensive plots and recon plots

Potentially missing data

* List of intensive plots with years in which there was at least one rapid survey but no final decision:
  + "FISH-IntH.2011", "NIG-IntA.2008", "NIG-IntB.2008", "NIG-IntC.2007", "NIG-IntC.2008", "NIG-IntC.2010", "NIG-IntD.2008", "NIG-IntE.2007", "NIG-IntE.2008", "NIG-IntH.2008", "NIG-IntI.2008", "NIG-IntJ.2008", "NIG-IntK.2008", "NIG-IntL.2008", "TAG-IntB.2010", "TAG-IntB.2011", "TAG-IntD.2011"
* List of intensive plots with years in which there was a final decision but no rapid surveys:
  + "FISH-IntG.2010", "FISH-IntG.2013", "FISH-IntI.2013", "TAG-IntE.2013"
* See below: filtered spreadsheet by plot (FISH-IntG) and year (2010). There are 4 species that had nests on plot in the final decision, but there are no records of any on plot observations during the intensive surveys. There are also no associated rapid surveys for this year.

