Notes on updated data (2025)

**WTGN**

To do:

Questions:

* What shapefile polygon should ‘section 9’ match up with?
  + Matches with Section 4
  + **Send a note to Katie to rename to Section 4 and add note that Tom calls it section 9.**
* **In BM, pasture==’top’ with id WG-259 (plot 9) is missing PD Colony? Value (should be ‘n’?) – already fixed it?**
* These pastures are in VOR but not BM, any way to match them to BM?
  + ['downey 5-6', 'middle lake creek', 'middle lake creek- virtual']
  + Change middle lake creek – virtual to be just middle lake creek with note about original naming and virtual fence subset in VOR
  + Downey for sure has not been weighed
  + Middle lake creek also likely not clipped for biomass (at least from 2022 onward)
    - This makes sense, no clipping on Reeds after 2021
* Use VOR Adjusted?
  + Also, VOR adjusted added 1 to some VOR readings with species of rock, bare, log, etc.
  + Checked and this is ok!
* Some VOR species are non-veg (rock, dead log, bare) but VOR low reading is > 0?
  + Currently just removing them.

**NEX**

To do:

Questions:

Biomass

* wildcat-prairie dog-livestock ex: on 2018-06-26, biomass seems high (1081.5)
  + Could be a typo (should be 18.15 rather than 108.15?)?
    - Looked at an older spreadsheet that also had the 108 weight on it
    - Can’t solve
  + Removed as outlier
* lake creek-fire-ungulate ex: on 2020-07-01 seems high (446.5)
  + No evidence of an issue?
  + But decided to remove as outlier
* lake creek-control-livestock ex: on 2024-07-08 seems high (964.24)
  + Looks to just be a high biomass bag!
  + But decided to remove as outlier
* lake creek-control-ungulate ex has two biomass rows for 2022-08-04 for Rep 1
  + Added them together – one was for C4 only
  + Can’t really fix it in the raw data, so leave alone

**PDOG**

* SpeciesRichness sheet
  + One point name likely an error: 'E51,3' should be ‘E51.3’?
* Biomass sheet
  + Convert value of ‘x’ in ‘SD total’ column to be -1 or empty?
    - Currently converting to ‘NA’ in code
    - OK – haven’t sorted yet
* Soils\_and\_Env\_Covariates
  + Point E52.1 is duplicated (two identical rows)
    - Look back at soil texturing data (e.g., should this have been a different sample?)
    - Can delete duplicate row
  + Rename column ‘Point’ to ‘point’ to match others?
* VOR
* Spring 2023
  + Use coordinates from new file
* For everything else:
  + Use coordinates from QAQC tab
  + No coordinates for ' E30\_P/E30.3’ from VOR for 2023 (2023-7-27) Changed to E30\_P
  + E23.2 and E23.4 are strange
    - Contractors sampled in same location as 2022, which is off from clusters
    - But the shapefile coords they were given are with the clusters!
* Need to bring in FQ tab from Katie