Paul Conn - NOAA Federal <paul.conn@noaa.gov>

FLIR counts from 2019 surveys

1 message

Stacie Hardy - NOAA Federal <stacie.hardy@noaa.gov> Thu, Apr 2, 2020 at 9:51 AM
To: Paul Conn - NOAA Federal <paul.conn@noaa.gov>
Cc: Joshua London - NOAA Federal <josh.london@noaa.gov>, Cynthia Christman - NOAA Affiliate <cynthia.christman@noaa.gov>, Erin Richmond - NOAA Affiliate <erin.richmond@noaa.gov>

Hi Paul,

Attached are the 2019 FLIR counts and associated baseline data. A few things to mention in the files:

- FLIR Counts Fields and Comments
  - **Survey_date** is the date of the survey in AK time.
  - **Survey_dt** is the survey date/time in GMT.
  - **Photographer** contains the initials for the photographer during the survey.
  - **FLIR_operator** contains the initials for the FLIR operator during the survey.
  - **FLIR_count** is an ordered count of polygons surveyed by the FLIR operator across all survey dates. This value is NA for photographer passes.
  - **Track_rep** indicates the order in which the polygon was surveyed using the two methods.
  - **Effort_type** indicates the effort type for the survey of the polygon. Options include full FLIR or full survey (indicating visual pass), with or without recon. There are only a few recon passes early on in the dataset. As we decided before, I eliminated all partial surveys, but kept full passes for a trial if the effort types were different from FLIR to visual.
  - **Num_seals** is the number of seals detected using the corresponding effort type.
  - **Altitude_flir_trial** is the altitude during the FLIR pass. If a range of altitudes were flown during a single pass (often due to low clouds), I took the average altitude if the range was less than 500 ft. If the range was more than 500 ft, I removed the trial from the dataset.
  - **Temp_c_slr_trial** is the temperature in deg C during the slr/visual trial.
  - **Sky_cover** is the categorical value selected on the datasheet during each trial. There can be different values for the SLR and FLIR trials. If you open the csv in Excel, the 5-30 sky cover values get converted to date. This is just an Excel thing, not a data thing, but can be slightly annoying when viewing the covariates.
  - **Precipitation** is as recorded on the datasheet during each trial. There can be different values for the SLR and FLIR trials.
  - There are **5 tide-related fields**. These are calculated based on the survey_dt and xtide. Both times are exported as GMT.
  - **Use_for_flir_trial** is a field I used to help pull data from the DB. All values are Y.
- Baseline Data Fields and Comments
  - This table contains all the counts at polygons surveyed in the FLIR trials in 2019 from 2015-2018.
  - The fields match the field descriptions as above.
  - Note, there are partial surveys of polygons included in this dataset.
  - All date/time fields are exported as GMT.

We've QA/QC'ed these data and reviewed the data preliminarily, but you may find something other than what we have checked for in the data. If you find anything that seems off or would like more years included in the baseline data, let me know.

Thanks
~Stacie

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2 attachments

HarborSeal_FLIRCounts_2019_20200402_SKH.csv
22K

HarborSeal_BaselineCounts_2015-2018_20200402_SKH.csv
10K