

Metadata information for Cerro Seco Unit 5 Orthoptera database.

Definition of columns in the data spreadsheet:

Column #	Column Name	Definition
A	Year	The year of the sample (2017-2022).
B	Sample month	The month represented by the sample: June, July, Aug., Sept.
C	Sample #	Consecutive number for monthly samples (1 through 24). Generally, samples were collected at the end of June, July, Aug. and Sept., but sometimes were off by a day or two due to work schedules or weather. Note that for June, 2018, the sample was not collected until July 16 due to Stage 3 Fire Restrictions in late June to mid-July that closed the Preserve and prevented staff from sampling the traps.
D	Collection month	The month in which the sample was actually collected.
E	Collection day	The day on which the sample was actually collected.
F	Treatment	Project treatment assignment: Control or Thin; “Thin” represents the thinning treatment in winter of 2017-2018, followed by a prescribed burn in October of 2019. Therefore, 2017 was a pre-treatment year of sampling, 2018 and 2019 were post-thinning sample years, and 2020-2022 were three years of post-burning samples.
G	Site #	Refers to the 5 sites in each of the Control and the Treated areas; each site included a “log” and “non-log” area with 3 arthropod pitfall traps each (6 traps total per site).
H	Non-log or Log	Designates the location of the pitfall traps, either adjacent to the log (log) or 5 m away from the log (non-log).
I	Trap #	Replicate pitfall traps were labeled A, B, C in each “log” or “non-log” location within each site.
J	Class	The overall forest restoration study included many taxa in the Arthropoda; this designates “Insecta” for the Orthoptera portion of the overall database.
K	Order	This designates “Orthoptera” for this database.
L	Family	This designates the family within Orthoptera: Acrididae, Rhaphidophoridae, Tettigoniidae.
M	Genus species	The genus and species of the specimen(s). Identifications were usually to species, although some nymphs could only be identified to sub-family.
N	# Individuals	The total numbers of individuals collected in the sample.
O	Sex	Female (F) or male (M).
P	Age	Adult (A) or nymph (N); for <i>Ceuthophilus utahensis</i> , nymphs were grouped as follows: N5 = body lengths of <5 mm; N10 = body lengths of 5 to 10 mm; A = >10 mm body lengths.
Q	Comments	General comments on specimen condition, or whether there was “No Sample Taken” (due to field conditions, flooding, disturbance by animals, etc.) or, in some cases, the sample was collected but there were no Orthoptera specimens present in the sample (NONE PRESENT).
R, S, T, etc.	Body length measurements	Individual specimen body length measurements (mm), taken from the front of the head to the distal tip of the abdomen (not including ovipositors on females). Measurements taken on “wet” (pre-pinned) specimens. Specimens with obvious bloating were not measured.