

Data Types

- Varchar = varying character
- int = integer
- float8 = floating point field to 8 bytes (decimal)
- date = formatted in ISO 8601 (YYYY-MM-DD)
- time = formatted in ISO 8601 (HH:MM:SS:MS)
- bool = Boolean/binary (1,0)

Note: If a location abbreviation is next to the variable then that variable is only present for that location. If no location abbreviation is present then all locations contain that variable.

SN = Sierra Nevada

Location Table

- location (varchar):
- location_id (uuid):

Region Table

- region (varchar):
- region_id (uuid):
- location_id (uuid):

Site Table

- site (varchar):
- utm_zone (int)
- utme (int):
- utmn (int):
- site_code (varchar)(*SERDP*):
- elevation_m (int)(*SN, Panama*):
- area_sqr_m (int)(*SN*):
- depth_m (float8)(*SN*):
- topo (varchar)(*SN*):
- wilderness (varchar)(*SN*):
- site_comments (varchar):
- site_id (uuid):
- region_id (uuid):

Visit Table

- date (date):
- survey_time (varchar):
- campaign (int)(*Brazil Legacy*):
- visit_status (varchar)(*SN*):
- visit_comments (varchar):
- visit_id (uuid):
- site_id (uuid):

Survey Table

- start_time (time):
- end_time (time):
- duration_minutes (int):
- observer (varchar):
- wind (varchar)(*SN*):
- sky (varchar)(*SN*):
- air_temp_c (float8)(*SERDP, Panama, SN*):
- air_time (time)(*SN*):
- water_temp_c (float8)(*SERDP, Panama, SN*):
- water_time (time)(*SN*):
- fish (bool)(*SN*):
- description (varchar)(*SN*):
- survey_comments (varchar)(*SERDP, Panama, Penn, SN*):
- survey_quality (varchar)(*SN*):
- transect (varchar)(*Panama*):
- frog_presence (bool)(*Panama*):
- number_observers (int)(*SERDP, Panama*):
- samp_loc (varchar)(*Panama*):
- pressure_psi (float8)(*Panama, SERDP*):
- relative_humidity_percent (float8)(*Panama*):
- wind_speed_m_s (float8)(*Panama, SERDP*):
- dissolved_o2_percent (float8)(*Panama*):
- p_h (float8)(*Panama, SERDP*):
- conductivity_uS_cm (float8)(*Panama, SERDP*):
- tds_ppm (float8)(*Panama, SERDP*):
- salinity_ppt (float8)(*Panama*):
- cloud_cover_percent (varchar)(*Panama*):
- precip (varchar)(*Panama*):
- qaqc_survey (varchar)(*Panama*):
- soil_humidity_m3m3 (float8)(*Panama*):
- wind_speed_scale (int)(*SERDP*):
- precipitation_during_visit (varchar)(*SERDP*):
- precipitation_last_48_h (varchar)(*SERDP*):
- temperature_last_48_h (varchar)(*SERDP*):
- percent_cloud_cover (int)(*SERDP*):
- weather_condition_notes (varchar)(*SERDP*):
- pressure_psi_drop (float8)(*SERDP*):
- relative_humidity_percent (float8)(*Panama*):
- relative_humidity_drop_percent (float8)(*SERDP*):
- wind_speed_min_m_s (float8)(*SERDP*):
- wind_speed_max_m_s (float8)(*SERDP*):
- air_temp_c_drop (float8)(*SERDP*):

- densiometer_d1_num_covered (bool)(*SERDP*):
- d1_n (int)(*SERDP*):
- d1_s (int)(*SERDP*):
- d1_e (int)(*SERDP*):
- d1_w (int)(*SERDP*):
- d1_percent_cover (float8)(*SERDP*):
- densiometer_d2_num_covered (bool)(*SERDP*):
- d2_n (int)(*SERDP*):
- d2_s (int)(*SERDP*):
- d2_e (int)(*SERDP*):
- d2_w (int)(*SERDP*):
- d2_percent_cover (float8)(*SERDP*):
- depth_of_water_from_d2_cm (float8)(*SERDP*):
- percent_vegetation_cover (int)(*SERDP*):
- vegetation_notes (varchar)(*SERDP*):
- secchi_depth_cm (int)(*SERDP*):
- survey_id (uuid):
- visit_id (uuid):

Capture Table

- species_capture (varchar):
- time_of_capture (time):
- capture_trx_loc (varchar)(*Panama*):
- microhabitat_type (varchar)(*Panama, Penn, SERDP, SN*):
- body_temp_c (float8)(*Penn, SERPD, Panama*):
- substrate_temp_c (float8)(*Penn, SERPD, Panama*):
- svl_mm (float8):
- body_mass_g (float8):
- life_stage (varchar):
- sex (varchar):
- capture_animal_state (varchar)(*SN, Panama*):
- photo (bool)(*Panama*):
- photo_id (varchar)(*Panama, Penn*):
- microhab_moredetail (varchar)(*Panama*):
- body_and_bag_mass_g (float8)(*Panama, SERPD, Penn*):
- bag_mass_g (float8)(*Panama, SERDP, Penn*):
- marked (bool)(*Panama*):
- capture_utme (float8)(*Brazil, SN*):
- capture_utm_n (float8)(*Brazil, SN*):
- capture_type (varchar)(*Brazil, Penn*):
- antibody_id (varchar):
- bag_id (varchar)(*Penn*):
- Processor (varchar)(*Penn, SN*):
- capture_mark_recapture (varchar)(*Penn*):

- microhabitat_notes (varchar)(*SERDP*):
- tail_length_mm (float8)(*SERDP*):
- buckets (varchar)(*SERDP*):
- temp_gun (varchar)(*SERDP*):
- clearcut (varchar)(*SERDP*):
- number_of_mites (varchar)(*SERDP*):
- flir (varchar)(*SERDP*):
- tad_stage (int)(*SN*):
- bd_swab_id (varchar):
- genetic_id (varchar):
- microbiome_swab_id (varchar):
- amp_id (varchar):
- e_dna (varchar):
- mucosome_id (varchar):
- bacterial_swab_id (varchar):
- ampshcl (varchar)(*Panama*):
- crispr_id (varchar):
- amp_id_2 (varchar)(*Penn*):
- amp_id_3 (varchar)(*Penn*):
- amp_id_4 (varchar)(*Penn*):
- antibody_id_2 (varchar)(*Penn*):
- antibody_id_3 (varchar)(*Penn*):
- antibody_id_4 (varchar)(*Penn*):
- capture_comments (varchar):
- capture_id (uuid):
- survey_id (uuid):