

### **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)

### **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):
- elevation\_m (int):
- area\_sqr\_m (int):
- depth\_m (float8):
- topo (varchar):
- wilderness (varchar):
- site\_comments (varchar):
- site\_id (uuid):
- region\_id (uuid):

### **Visit Table**

- date (date):
- survey\_time (varchar):
- campaign (int):
- visit\_status (varchar):
- visit\_comments (varchar):
- visit\_id (uuid):
- site\_id (uuid):

### **Survey Table**

- start\_time (time):
- end\_time (time):

- duration\_minutes (int):
- observer (varchar):
- wind (varchar):
- sky (varchar):
- air\_temp\_c (float8):
- air\_time (time):
- water\_temp\_c (float8):
- water\_time (time):
- fish (bool):
- description (varchar):
- survey\_comments (varchar):
- survey\_quality (varchar):
- transect (varchar):
- frog\_presence (bool):
- number\_observers (int):
- samp\_loc (varchar):
- pressure\_psi (float8):
- relative\_humidity\_percent (float8):
- wind\_speed\_m\_s (float8):
- dissolved\_o2\_percent (float8):
- p\_h (float8):
- conductivity\_uS\_cm (float8):
- tds\_ppm (float8):
- salinity\_ppt (float8):
- cloud\_cover\_percent (varchar):
- precip (varchar):
- qaqc\_survey (varchar):
- soil\_humidity\_m3m3 (float8):
- wind\_speed\_scale (int):
- precipitation\_during\_visit (varchar):
- precipitation\_last\_48\_h (varchar):
- temperature\_last\_48\_h (varchar):
- percent\_cloud\_cover (int):
- weather\_condition\_notes (varchar):
- pressure\_psi\_drop (float8):
- relative\_humidity\_percent (float8):
- relative\_humidity\_drop\_percent (float8):
- wind\_speed\_min\_m\_s (float8):
- wind\_speed\_max\_m\_s (float8):
- air\_temp\_c\_drop (float8):
- densimeter\_d1\_num\_covered (bool):
- d1\_n (int):
- d1\_s (int):
- d1\_e (int):

- d1\_w (int):
- d1\_percent\_cover (float8):
- densiometer\_d2\_num\_covered (bool):
- d2\_n (int):
- d2\_s (int):
- d2\_e (int):
- d2\_w (int):
- d2\_percent\_cover (float8):
- depth\_of\_water\_from\_d2\_cm (float8):
- percent\_vegetation\_cover (int):
- vegetation\_notes (varchar):
- secchi\_depth\_cm (int):
- survey\_id (uuid):
- visit\_id (uuid):

### **Capture Table**

- species\_capture (varchar):
- time\_of\_capture (time):
- capture\_trx\_loc (varchar):
- microhabitat\_type (varchar):
- body\_temp\_c (float8):
- substrate\_temp\_c (float8):
- svl\_mm (float8):
- body\_mass\_g (float8):
- life\_stage (varchar):
- sex (varchar):
- capture\_animal\_state (varchar):
- photo (bool):
- photo\_id (varchar):
- microhab\_moredetail (varchar):
- body\_and\_bag\_mass\_g (float8):
- bag\_mass\_g (float8):
- marked (bool):
- capture\_comments (varchar):
- capture\_utme (float8):
- capture\_utm\_n (float8):
- capture\_type (varchar):
- antibody\_id (varchar):
- duration\_min (int):
- bag\_id (varchar):
- Processor (varchar):
- capture\_mark\_recapture (varchar):
- microhabitat\_notes (varchar):
- tail\_length\_mm (float8):

- buckets (varchar):
- temp\_gun (varchar):
- clearcut (varchar):
- number\_of\_mites (varchar):
- flir (varchar):
- tad\_stage (int):
- 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):
- crispr\_id (varchar):
- amp\_id\_2 (varchar):
- amp\_id\_3 (varchar):
- amp\_id\_4 (varchar):
- antibody\_id\_2 (varchar):
- antibody\_id\_3 (varchar):
- antibody\_id\_4 (varchar):
- notes\_capture (varchar):
- capture\_id (uuid):
- survey\_id (uuid):