Equivalence between Units of the database

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| **Unit** | Observation Source | Animal Source | Environmental Source | Arthropod Source |
| Source | Animals y of the same group and species | Individual Animal y | Collection site y with tissue of types x,w, and z | Collection site y |
| Source Record | Animals y of the same group and species at time t | Individual Animal y at time t | Collection site y with tissue of types x,w, and z at time t | Arthropods from collection site y at time t divided by species |
| Source Record Carcass | NA | Carcass of individual animal y collected at time t | NA | NA |
| Source Record Specimen | Tissues from animals y of the same group and species collected at time t | Tissue collected from individual animal y at time t | Tissue of type x,w, or z collected from collection site y at time t | Arthropods collected from collection site y at time t divided by species and divided in sub-groups (“pools”) |
| Implications | Single source record per source at time t | Single source record per source at time t | Single source record per source at time t | Multiple source records per source (1 by arthropod species) |

Properties of Units of the database

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| --- | --- | --- | --- | --- |
| **Unit** | Observation Source | Animal Source | Environmental Source | Arthropod Source |
| Source | Group  species | Individual Animal y | Site (polygon or points | Site (polygon or point) |
| Source Record | Animals y of the same group and species at time t | Individual Animal y at time t | Specimen collection site y at time t | Trap  Lure  Species |
| Source Record Specimen | Tissues from animals y of the same group and species collected at time t | Carcass or tissue collected from individual animal y at time t | Tissue from collection site y at time t | Arthropods from collection site y at time t divided by species and divided in sub-groups (“pools”) |
| Implications | Single source record per source at time t | Single source record per source at time t | Single source record per source at time t | Multiple source records per source (1 by arthropod species) |