**Variable definitions**

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| **Variable name** | **Variable definition** | **Storage type** | **Missing value codes** |
| autoID | Unique ID for each consumer resource interaction | Integer | NA |
| link.citation | Citation for the trophic link between consumer and resource | Character | NA |
| link.methodology | How was the trophic link established: published account (e.g., journal, book, internet), expert (data obtained from expert knowledge), field (direct observation in the field), extrapolated from similar taxa, gut/stomach analysis, scat analysis, pellet analysis, tracer study, feeding trial, rearing, natural history (e.g., morphological information) | Character | NA |
| interaction.type | Classification of the interaction (Note: this is not a classification of consumer or resource) by type: predacious, parasitoid, parasitic, herbivorous, detritivorous, bacterivorous, fungivorous, pathogen (bacteria and fungi) | Character | NA |
| interaction.dimensionality | Classification of the interaction (not consumer or resource) by the dimensionality the search space (2D) or search volume (3D) | Character | NA |
| Interaction.classification | Classification of the interaction (not consumer or resource) as indiviudal-based intake and attack (ibi) or non-individual-based intake and attack (nibi) | Character | NA |
| con.taxonomy | Highest available taxonomic resolution description of the consumer species | Character | NA |
| con.taxonomy.level | Level of taxonomic resolution (e.g., class, order, family, genus, species) | Character | NA |
| con.common | Common name of the consumer | Character | NA |
| con.lifestage | Lifestage of the consumer: adults, juveniles, larvae, nymphs, nauplii. | Character | NA |
| con.metabolic.type | invertebrate, ectotherm vertebrate, endotherm vertebrate, primary producer, heterotrophic bacteria, heterotrophic fungi. | Character | NA |
| con.movement.type | walking, swimming, flying, sessile, other | Character | NA |
| con.size.citation | Reference for the body sizes of consumer | Character | NA |
| con.size.method | Methodology of body size measurement of the consumer: measurement (individuals are field-sampled and masses are measured), regression (weight-length regression with measured lengths), published account (e.g., field guide), expert (data obtained from expert knowledge). | Character | NA |
| con.length.min[cm] | Minimum length measured of the consumer | Floating Point | -999 |
| con.length.mean[cm] | Mean length of the consumer population that is involved in this trophic interaction – this can be all individuals of a species or sub-groups such as adults | Floating Point | -999 |
| con.length.max[cm] | Maximum length measured of consumer | Floating Point | -999 |
| con.mass.min[g] | Minimum mass measured | Floating Point | -999 |
| con.mass.mean[g] | Mean mass of the population that is involved in this trophic interaction – this can be all individuals of a species or sub-groups such as adults | Floating Point | -999 |
| con.mass.max[g] | Maximum mass measured | Floating Point | -999 |
| res.taxonomy | Taxonomic description of the resource species | Character | NA |
| res.taxonomy.level | Level of taxonomic resolution (e.g., class, order, familiy, genus, species) | Character | NA |
| res.common | Common name of the resource if applies | Character | NA |
| res.lifestage | Characterizes the lifestage of the species that is involved in the trophic interaction: adults, juveniles, larvae, nymphs, pupae, nauplii, eggs. | Character | NA |
| res.metabolic.type | invertebrate, ectotherm vertebrate, endotherm vertebrate, primary producer, heterotrophic bacteria, heterotrophic fungi, detritus, dead organic material, other | Character | NA |
| res.movement.type | walking, swimming, flying, sessile, floating, other | Character | NA |
| res.size.citation | Reference for the body sizes of resource | Character | NA |
| res.size.method | Methodology of body size measurement of the resource: measurement (individuals are field-sampled and masses are measured), regression (weight-length regression with measured lengths), published account (e.g., field guide), expert (data obtained from expert knowledge). | Character | NA |
| res.length.min[cm] | Minimum length measured of the resource | Floating Point | -999 |
| res.length.mean[cm] | Mean length of the population that is involved in this trophic interaction – this can be all individuals of a species or sub-groups such as adults | Floating Point | -999 |
| res.length.max[cm] | Maximum length measured | Floating Point | -999 |
| res.mass.min[g] | Minimum mass measured | Floating Point | -999 |
| res.mass.mean[g] | Mean mass of the population that is involved in this trophic interaction – this can be all individuals of a species or sub-groups such as adults | Floating Point | -999 |
| res.mass.max[g] | Maximum mass measured | Floating Point | -999 |
| geographic.location | Most detailed description of where the study took place that is available (country, region, city, etc.) | Character | NA |
| longitude | In degrees | Floating point | -999 |
| latitude | In degrees | Floating point | -999 |
| ecosystem.type | Broad habitat description: terrestrial aboveground, terrestrial belowground, lakes, streams, marine | Character | NA |
| study.site | Most detailed description of the study site | Character | NA |
| altitude | Altitude in meters above sea level | Floating point | NA |
| depth | For aquatic studies, depth below water level in meters (marine or freshwater) | Floating point | NA |
| sampling.time | Description of study time as accurate as possible (Year, month, day). | Character | NA |
| sampling.start.year | Year when study began | Integer | NA |
| sampling.end.year | Year when study ended | Integer | NA |
| notes | Additional information | Character | NA |
| foodweb.name | Name of the food web | Character | NA |