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| --- | --- | --- | --- | --- | --- |
| Project/Title | Year | Continent | Lake area range | Sampling/remarks | Reference |
| **Cross Lake Comparison at North Temperate Lakes LTER** | 2006 | North America | 1.2 - 1565 ha | Five replicate zooplankton samples were collected from the deepest spot of each lake using vertical tows with a Wisconsin net (80 um mesh, 0.11 m radius). | https://lter.limnology.wisc.edu/dataset/cross-lake-comparison-north-temperate-lakes-lter-zooplankton-biomass-study-2006 |
| **Zooplankton density for all samples collected from Toolik Lake and lakes near the Toolik Field Station, Arctic LTER 2003 - 2011.** | 2003-2011 | North America | 3.44 - 144 ha | Zooplankton density,were taken with a 30 cm diameter plankton net with 156 um mesh plankton netting, for all samples collected from Toolik Lake and lakes near the Toolik Field Station | Luecke, C. 2005. Zooplankton density for all samples collected from Toolik Lake and lakes near the Toolik Field Station, Arctic LTER 2003 - 2011. Environmental Data Initiative. <http://dx.doi.org/10.6073/pasta/2af1397f7816583e0f8f5cd0baf98477> |
| **North Temperate Lakes LTER: Zooplankton - Trout Lake Area** | 1982 - current | North America | 1 - 1565 ha | Zooplankton samples are collected from the six northern lakes at two to nine depths using a 2 m long Schindler Patalas trap (53um mesh) and with vertical tows (1 m above the bottom of the lake to the surface) using a Wisconsin net (80um mesh). | https://lter.limnology.wisc.edu/dataset/north-temperate-lakes-lter-zooplankton-trout-lake-area-1982-current |
| **National Aquatic Resource Surveys. National Lakes Assessment 2007** | 2007 | North America | 4.38 - 11936 ha | Mesh size of collecting Net (243um, 80 um)  **Note : Only reference lakes were used in the analysis.** | U.S. Environmental Protection Agency. 2010. *National Aquatic Resource Surveys. National Lakes Assessment 2007 (data and metadata files)*. Available from U.S. EPA website: [http://www.epa.gov/national-aquatic-resource-surveys/data-national-aquatic-resource-surveys](https://www.epa.gov/national-aquatic-resource-surveys/data-national-aquatic-resource-surveys). |
| **Lake ecosystems in land between :**  **OUFPB - lake ecosystems and environmental change** | 2014 | North America | 10 - 180 ha | Zooplankton and macroinvertebrate communities were sampled using nets with small buckets attached to the end. The nets were lowered to 2m above the deepest point in the lake. | https://lakeecosystems2014.wordpress.com/lake-data/zooplankton-and-phytoplankton-abundance/ |
| **Crustacean zooplankton species richness: Single- and multiple-year estimates**  **(Arnott et al. 1998)** | 1998 | North America | 21.4 - 93.6 ha |  | Available from: <https://www.researchgate.net/publication/237185392_Crustacean_zooplankton_species_richness_Single-_and_multiple-year_estimates>[accessed Aug 17 2018]. |
| **QUBS : Queens University Biological Station** | 2013 | North America | 14 - 790 ha | Average zooplankton densities were measured via three subsamples (zooplankton/L) in each lake. | https://aquaticfieldcourse2013.wordpress.com/lake-information-and-data/ |
| **Results from the U.S. EPA’s Biological Open Water Surveillance Program of the Laurentian Great Lakes: III. Crustacean Zooplankton** | 2001 | North America | 1896000 - 5960000 ha |  | Barbiero, R. P. et al. 2001. Results from the U. S. EPA’s Biological Open Water Surveillance Program of the Laurentian Great Lakes: III. Crustacean Zooplankton. -J. Great Lakes Res. 27: 167–184. |
| **Predicting crustacean zooplankton species richness (Dodson 1992).** | 1992 | North America | 1 - 8240000 ha |  | Dodson, S. 1992. Predicting crustacean zooplankton species richness. - Limnology and Oceanography 37:848–856. |
| **Variation in the response of crustacean zooplankton species richness and composition to the invasive predator Bythotrephes longimanus (Strecker et al. 2006).** | 2006 | North America | 513 - 1187 ha |  | Strecker, A. L. et al. 2006. Variation in the response of crustacean zooplankton species richness and composition to the invasive predator Bythotrephes longimanus. -Can. J. Fish. Aquat. Sci. 63:2126–2136. |
| **IISD Experimental Lakes Area (ELA)** | 1970 - 2015 | North America | 2.39 - 8223600 ha |  | Data requested via https://www.iisd.org/ela/science-data/our-data/data-requests/ |
| **BIOMAN project data** | 2017 | Europe | 1 - 763 ha | Sampling methods described in : Declerck, S. et al. 2005. Multi-group biodiversity in shallow lakes along gradients of phosphorus and water plant cover. Ecology 86: 1905–1915. | Lemmens, P. et al. 2017. Database on environmental conditions and biodiversity in shallow lakes in Belgium and the Netherlands. Freshwater Metadata Journal 29:1-9 |
| **Species richness of crustacean zooplankton in European lakes of different sizes.** | 1991 | Europe | 6.7 - 3172200 ha |  | Dodson, S. 1991. Species richness of crustacean zooplankton in European lakes of different sizes. -SIL Proceedings, 1922-2010 24: 1223–1229. |
| **Zooplankton communities and Bythotrephes longimanus in lakes of the montane region of the northern Alps (Horvath et al. 2017).** | 2017 | Europe | 2 - 21790 ha |  | Horváth, Z. et al. 2017. Zooplankton communities and Bythotrephes longimanus in lakes of the montane region of the northern Alps. |
| **Zooplankton in the newly formed Cardiff Bay. (Thesis by Faye Merrix)**  **Chapter 2: A global analysis of zooplankton in natural and artificial fresh waters.** | 2013 | Europe | 13.4 - 59600 ha |  | Merrix-Jones, F. L. et al. 2013. A global analysis of zooplankton in natural and artificial fresh waters. - J. Limnol. 72: 12. |
| **Checklist and distribution of the free-living copepods**  **(Arthropoda: Crustacea) from Austria** | 1998 | Europe | 3.5 - 75000 ha | Species checklist | Gaviria, S. 1998. Checklist and Distribution of the Free-Living Copepods (Arthropoda: Crustacea) from Austria. Annalen Des Naturhistorischen Museums in Wien. Serie B Für Botanik Und Zoologie. 100: 539–594. www.jstor.org/stable/41767121. |
| **Checklist and distribution of cladocerans and leptodorans**  **(Crustacea: Branchiopoda) from Austria** | 2005 | Europe | 3.5 - 75000 ha | Species checklist | Gaviria-Melo, S., et al. 2015. Checklist and Distribution of Cladocerans and Leptodorans (Crustacea: Branchiopoda) from Austria. Annalen Des Naturhistorischen Museums in Wien. Serie B Für Botanik Und Zoologie. 106: 145–216. www.jstor.org/stable/41767324. |