Jun Nishihiro · Munemitsu Akasaka · Mifuyu Ogawa
Noriko Takamura

Aquatic vascular plants in Japanese lakes

Received: 3 September 2013 / Accepted: 24 February 2014 / Published online: 16 March 2014
© The Ecological Society of Japan 2014

Abstract This data paper describes the native vascular aquatic plant floras of 268 Japanese lakes recorded from 1899–2011. The data were compiled from 201 literature sources, most of which were written in Japanese and published in local journals or individual reports rather than in major scientific journals. The literature was searched using web-based services (i.e., Google Scholar, <http://scholar.google.com/>; CiNii, <http://ci.nii.ac.jp/en>; JDreamII, <http://pr.jst.go.jp/jdream2/>; and ISI, <http://apps.webofknowledge.com>) and by private communication with experts or local governments. Scientific names were consolidated under currently-accepted nomenclature. Four datasets, FloraDB, LakeDB, SpeciesDB, and LiteratureDB, were created to include records of the flora of each lake in each year, the names and locations of the lakes, the scientific names and synonyms of the aquatic vascular plants, and a literature list, respectively. These data can be used to study long-term changes in the species composition and/or richness of aquatic plants in Japanese lakes.

Keywords Biodiversity · Conservation · Floating-leaved plant · Free-floating plant · Freshwater · Long-term monitoring · Macrophytes · Species diversity · Submerged plant · Taxon richness

Ecological Research Data Paper Archives http://db.cger.nies.go.jp/JaLTER/ER_DataPapers/
Accession number: ERDP-2014-01

The complete data set for this abstract published in the Data Paper section of the journal is available in electronic format in Ecological Research Data Paper Archives at http://db.cger.nies.go.jp/JaLTER/ER_DataPapers/archives/2014/ERDP-2014-01.

J. Nishihiro (✉)
Faculty of Sciences, Toho University, 2-2-1 Miyama, Funabashi,
Chiba 274-8510, Japan
E-mail: jun.nishihiro@env.sci.toho-u.ac.jp
Tel.: +81-47-4723512
Fax: +81-47-4723512

M. Akasaka
Faculty of Agriculture, Tokyo University of Agricultural and
Technology, 3-5-8 Saiwaicho, Fuchu, Tokyo 183-8509, Japan

M. Ogawa · N. Takamura
Center for Environmental Biology and Ecosystem Studies,
National Institute for Environmental Studies, 16-2 Onogawa,
Tsukuba, Ibaraki 305-8506, Japan