

[Available Issues](#) | [Japanese](#)>> [Publisher Site](#)Author: [ADVANCED](#)

Volume Page

Keyword: [TOP](#) > [Available Issues](#) > [Table of Contents](#) > [Abstract](#)

ONLINE ISSN : 1882-4897

PRINT ISSN : 0021-5104

Japanese Journal of Limnology (Rikusuigaku Zasshi)

Vol. 68 (2007) , No. 1 pp.157-167

[\[PDF \(649K\)\]](#) [\[References\]](#)**Distribution and present status of fishes in Lake Takkobu and adjacent rivers**[Tutomu HARIU](#)¹⁾, [Hirotosugu NAKAJIMA](#)²⁾ and [Noriko TAKAMURA](#)³⁾

1) Kushiro City Museum

2) Wildlife Research Institute

3) National Institute for Environmental Studies

(Received December 21, 2005)

(Accepted November 1, 2006)

Abstract

The distribution and present status of fishes was investigated in Lake Takkobu and adjacent rivers of the Kushiro Mire from July to October, 2003. *Gymnogobius castaneus*, *Hypomesus olidus* and *Phoxinus phoxinus sachalinensis* were dominant species found. *G. castaneus* which prefers sand and mud beds was especially abundant in the coastal area, and its distribution pattern was considered to be related to those features of the lake bottom. *H. olidus* which is potamodromy type was widely distributed in the area offshore, while *P. phoxinus sachalinensis* was most abundant near the water plant community of *Trapa japonica*. *Salvelinus leucomaenis* and *Cottus nozawae* were abundant in the Takkobu River. Moreover, the fact that the number of fish species was most abundant in the mouth of river area where rivers joined the lake, suggested that it was an important site for the conservation of species diversity. Fishes of 24 species divided into 9 families found in Lake Takkobu and adjacent rivers were applied to fish species assigned to the Ministry of the Environment and Hokkaido Government categories of the Red Data Book. As a result, the most of fishes listed in the Red Data Book were from areas where large number of individuals occurred. Therefore, it is confirmed that the present status of fish species in this catchment area is a healthy one.

Key Words: [Lake Takkobu](#), [Takkobu River](#), [distribution](#), [species diversity](#), [present status](#)

To cite this article:

Tsutomu HARIU, Hirotsugu NAKAJIMA and Noriko TAKAMURA (2007): Distribution and present status of fishes in Lake Takkobu and adjacent rivers . Japanese Journal of Limnology (Rikusuigaku Zasshi), 68: 157-167 .

doi:10.3739/rikusui.68.157

JOI JST.JSTAGE/rikusui/68.157

Copyright (c) 2008 The Japanese Society of Limnology



[Japan Science and Technology Information Aggregator, Electronic](#)

