INFORMATION

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This current salmonid bibliography, distributed yearly since 1988, covers scientific publications in Japan. The former thirteen issues were published in Technical Reports of Hokkaido Salmon Hatchery (Fish and Eggs), No. 157-163, Scientific Reports of Hokkaido Salmon Hatchery, No. 49-50, and Bulletin of National Salmon Resources Center, No. 1 and 2. Titles are given in English for all articles. A reprint of article may be available from the author. An author's address is shown in square brackets following the citation. This 14th issue has covered literature published in 1999. The bibliography is divided into the following sections:

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Aquaculture


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Distribution and Migrations


Breeding and Reproduction


Feeding, Diets, and Growth


Population and Management


99-027 Trophic relations of juvenile salmon (genus Oncorhynchus) in the Okhotsk Sea and Pacific waters off the Kuril Islands, Tamura, R., K. Shimazaki, and Y. Ueno. 1999. Salmon Report Series, 47: 138-168. [Faculty of Fisheries, Hokkaido University, Minato, Hakodate 041-8611, Japan]


### Stock Identification


### Physiology and Endocrinology


**99-043** Differential modulation by aromatic hydrocarbon receptor agonist of circulating estradiol-17β and estrogen-receptor DNA-binding capability in female rainbow trout (Oncorhynchus mykiss). Hutz, R. J., B. A. B. Wimpee, A. Dasmahapatra, D. N. Weber, I.


99-048 High population density of juvenile chum salmon decreased the number and sizes of growth hormone cells in the pituitary. Salam, Md. A., Y. Ota, H. Ando, M. Fukuwaka, M. Kaeiyama, and A. Urano. 1999. Zool. Sci., 16: 945-954. [Division of Biological Sciences, Graduate School of Science, Hokkaido University, Sapporo 060-0810, Japan]

99-049 Decline in salinity tolerance during larval stage of chum salmon Oncorhynchus keta. Shikano, T., and Y. Fujio. 1999. Fish. Sci., 65: 661-662. [Faculty of Agriculture, Tohoku University, Sendai, Miyagi 981-8555, Japan]


Biochemistry


99-057 A comparison of cross-linking of fish myofibrillar proteins by endogenous and microbial transglutaminases. Nakahara, C., H. Nozawa, and N. Seki. 1999. Fish. Sci., 65: 138-144. [Laboratory of Food Biochemistry, Faculty of Fisheries, Hokkaido University, Minato, Hakodate 041-8611, Japan]


99-060 B-carotene trio1 and tetrol from the integument of three species of freshwater fish belonging to siluriformes and salmoniformes. Tsushima, M., Y. Ikuno, and T. Matsuno. 1999. Fish. Sci., 65: 969-970. [Kyoto Pharmaceutical University, Misasagi, Yamashina, Kyoto 607-8414, Japan]

Genetics


**Diseases and Parasites**

99-074 Effects of steroids on the antibody producing activity of lymphocytes in rainbow trout. Hou, Y., Y. Suzuki, and K. Aida. 1999. Fish. Sci., 65: 850-855. [Department of Aquatic Biosciences, Graduate School of Agricultural and Life Sciences, The University of Tokyo, Bunkyo, Tokyo 113-8657, Japan]

99-075 Further study on serotyping of *Flavobacterium psychrophilum*. Izumi, S., and H. Wakabayashi. 1999. Fish Pathol., 34: 89-90. [Department of Aquatic Science, Graduate School of Agricultural and Life Science, The University of Tokyo, Yayoi 1-1-1, Bunkyo-ku, Tokyo 113-8657, Japan]


99-077 Adherence of suspended particles to the body surface of rainbow trout. Kiryu, I., and H. Wakabayashi. 1999. Fish Pathol., 34: 177-182. [National Research Institute of Aquaculture, 224-1 Hiruta, Tamaki, Mie 519-0423, Japan (ikunari@nria-tmk.affrc.go.jp)]


**Water Quality and Environment**


**Toxicology**


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