

United States Department of the Interior, Stewart L. Udall, Secretary  
Fish and Wildlife Service, Clarence F. Pautzke, Commissioner  
Bureau of Commercial Fisheries, Donald L. McKernan, Director

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UNITED STATES FISH AND WILDLIFE SERVICE  
PUBLICATIONS IN LIMNOLOGY, 1940-1960.

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Branch of Reports  
Division of Resource Development

This is a list of limnological papers written during  
1940-1960 by scientists of the U. S. Fish and Wildlife Service  
and of other organizations under contract to the Service.

PAPERS APPEARING IN FISH AND WILDLIFE SERVICE  
PUBLICATION SERIES

BEETON, ALFRED M., JAMES H. JOHNSON, and STANFORD H. SMITH.

1959. Lake Superior limnological data, 1951-1957. Special Scientific Report--Fisheries No. 297, vi + 177 p., 13 figs., 31 tables.

DIVISION OF FISHERY BIOLOGY.

1943. Fertilization of fish ponds. Fishery Leaflet No. 12, 7 p.

ELLIS, M. M.

1940. Report of the Pensacola Dam impoundment of the Grand River with special reference to fishery problems in the completed reservoir. Special Scientific Report--Fisheries No. 4, ii + 12 p., 1 fig., 2 tables.

1940. Water conditions affecting aquatic life in Elephant Butte Reservoir. Fishery Bulletin, vol. 49, no. 34, i + p. 257-304, 22 figs., 15 tables.

1944. Water purity standards for fresh-water fishes. Special Scientific Report No. 2, i + 16 p.

1947. Temperature and fishes. Fishery Leaflet No. 221, 4 p.

ELLIS, M. M., B. A. WESTFALL, and MARION D. ELLIS.

1948. Determination of water quality. Research Report No. 9, ii + 122 p., 3 figs., 2 tables.

FISH, CHARLES J., and Associates.

1960. Limnological survey of eastern and central Lake Erie, 1928-29. Special Scientific Report--Fisheries No. 334, iv + 198 p., 66 figs., 23 tables.

GANGMARK, HAROLD A., and LEONARD A. FULTON.

1949. Preliminary surveys of Roosevelt Lake in relation to game fishes. Special Scientific Report--Fisheries No. 5, i + 29 p., 4 figs., 10 tables.

HENDERSON, CROSWELL.

1949. Manganese for increased production of water-bloom algae in ponds. The Progressive Fish-Culturist, vol. 11, no. 3, p. 157-159.

HILE, RALPH.

1952. 25 years of Federal fishery research on the Great Lakes. Special Scientific Report--Fisheries No. 85, i + 48 p., 1 table.

JOHNSON, HARLAN E., and RICHARD F. BRICE.

1953. Use of impounded water for fish culture. Research Report No. 35, iii + 35 p., 9 figs., 11 tables.

JOHNSON, JAMES H.

1958. Surface-current studies of Saginaw Bay and Lake Huron, 1956. Special Scientific Report--Fisheries No. 267, v + 84 p., 72 figs., 7 tables.

1960. Surface currents in Lake Michigan, 1954 and 1955. Special Scientific Report--Fisheries No. 338, viii + 120 p., 18 figs., 22 tables.

MACIOLEK, JOHN A.

1954. Artificial fertilization of lakes and ponds. A review of the literature. Special Scientific Report--Fisheries No. 133, ii + 41 p., 1 table.

NELSON, PHILIP R.

1959. Effects of fertilizing Bare Lake, Alaska, on growth and production of red salmon (*O. nerka*). Fishery Bulletin, vol. 60, no. 159, iv + p. 59-86, 10 figs., 12 tables.

NELSON, PHILIP R., and W. T. EDMONDSON.

1955. Limnological effects of fertilizing Bare Lake, Alaska. Fishery Bulletin, vol. 56, no. 102, ii + p. 415-436, 6 figs., 5 tables.

NIELSON, REED S.

1953. Apparatus and methods for the collecting of attachment materials in lakes. The Progressive Fish-Culturist, vol. 15, no. 2, p. 87-89.

POWERS, CHARLES F., DAVID L. JONES, and JOHN C. AYERS.

1959. Sources of hydrographic and meteorological data on the Great Lakes. Special Scientific Report--Fisheries No. 314, iii + 183 p., 9 figs., 5 tables.

REIMERS, NORMAN, and BOBBY D. COMBS.

1956. Method of evaluating temperature in lakes with description of thermal characteristics of Convict Lake, California. Fishery Bulletin, vol. 56, no. 105, iii + p. 535-553, 8 figs., 8 tables.

REIMERS, NORMAN, JOHN A. MACIOLEK, and EDWIN P. PISTER.

1955. Limnological study of the lakes in Convict Creek Basin, Mono County, California. Fishery Bulletin, vol. 56, no. 103, iii + p. 437-503, 25 figs., 37 tables, 10 maps.

SEABLOOM, ROBERT WENDELL.

1958. Water quality studies in the Wenatchee River Basin. Special Scientific Report--Fisheries No. 268, vi + 35 p., 20 figs., 22 tables.

SURBER, EUGENE W.

1948. Fertilization of a recreational lake to control submerged plants. The Progressive Fish-Culturist, vol. 10, no. 2, p. 53-58.

SYLVESTER, ROBERT O.

1958. Water quality studies in the Columbia River Basin. Special Scientific Report--Fisheries No. 239, iii + 134 p., 62 figs., 38 tables.

1959. Water quality study of the Wenatchee and Middle Columbia Rivers before dam construction. Special Scientific Report--Fisheries No. 290, viii + 116 p., 45 figs., 34 tables.

VAN OOSTEN, JOHN.

1960. Temperatures of Lake Michigan, 1930-32. Special Scientific Report--Fisheries No. 322, iii + 34 p., 2 figs., 10 tables.

WELLS, LaRUE.

1960. Seasonal abundance and vertical movements of planktonic crustacea in Lake Michigan. Fishery Bulletin, vol. 60, no. 172, iv + p. 343-369, 3 figs., 20 tables.

WRIGHT, STILLMAN.

1955. Limnological survey of western Lake Erie. Special Scientific Report--Fisheries No. 139, vi + 341 p., 23 figs., 100 tables.

PAPERS PUBLISHED BY FISH AND WILDLIFE SERVICE  
AUTHORS IN NON-FWS PUBLICATIONS

The Fish and Wildlife Service does not have copies of the following papers.  
They may be obtained from the author, or the publisher in a few instances.

BEETON, ALFRED M.

1958. Relationship between Secchi disc readings and light penetration in Lake Huron. Transactions of the American Fisheries Society, vol. 87 (for the year 1957), p. 73-79.

BENSON, NORMAN G.

1958. Recent progress in water fertilization. Report of the Committee on Hydrobiology and Fish Culture. Transactions of the American Fisheries Society, vol. 87 (for the year 1957), p. 432-434.

DAVIDSON, F. A., and J. L. WILDING.

1943. A quantitative faunal investigation of a cold spring community. American Midland Naturalist, vol. 29, no. 1, p. 200-209.

DONALDSON, LAUREN R., and FRED J. FOSTER.

1941. Experimental study of the effect of various water temperatures on the growth, food utilization, and mortality rates of fingerling sockeye salmon. Transactions of the American Fisheries Society, vol. 70 (for the year 1940), p. 339-346.

EICHER, GEORGE J., Jr.

1949. Localized weed control in management of game fish. Transactions of the American Fisheries Society, vol. 76 (for the year 1946), p. 177-182.

EICHER, GEORGE J., Jr., and GEORGE A. ROUNSEFELL.

1957. Effects of lake fertilization by volcanic activity on abundance of salmon. Limnology and Oceanography, vol. 2, no. 2, p. 70-76.

ELLIS, M. M.

1942. Fresh-water impoundments. Transactions of the American Fisheries Society, vol. 71 (for the year 1941), p. 80-93.

ELLIS, M. M., and M. D. ELLIS.

1943. Photoelectric determination of dissolved oxygen with amidol. Sewage Works Journal, vol. 15, no. 6, p. 1115-1118.

JEWETT, STANLEY G., Jr.

1954. Some limnological and fisheries observations on Cottage Grove Reservoir (Coast Fork, Willamette River, Oregon). Proceedings of the Montana Academy of Science, vol. 14, p. 31-43.

MEEHEAN, O. LLOYD.

1941. Objectives for investigations fundamental to a lake management program. Transactions of the Sixth North American Wildlife Conference, p. 241-245.

MEEHEAN, O. LLOYD, and FRANCIS MARZULLI.

1945. The relationship between the production of fish and the carbon and nitrogen contents of fertilized fish ponds. Transactions of the American Fisheries Society, vol. 73 (for the year 1943), p. 262-273.

MOFFETT, JAMES W.

1943. A limnological investigation of the dynamics of a sandy, wave-swept shoal in Douglas Lake, Michigan. Transactions of the American Microscopical Society, vol. 62, no. 1, p. 1-23.

1954. A research program: Chief of Great Lakes Fishery Investigations outlines research program for Lake Erie. The Fisherman (Michigan), vol. 22, no. 1, p. 7, 11-12, and 14.

NELSON, PHILIP R.

1958. Relationship between rate of photosynthesis and growth of juvenile red salmon. Science, vol. 128, no. 3317, p. 205-206.

ROUNSEFELL, GEORGE A., and W. HARRY EVERHART.

1953. Fishery science: its methods and applications. John Wiley & Sons, Inc., New York, New York. 444 p.

SMITH, STANFORD H.

1957. Limnological surveys of the Great Lakes--early and recent. In Symposium on the Great Lakes. Transactions of the American Fisheries Society, vol. 86 (for the year 1956), p. 409-418.

SURBER, EUGENE W.

1943. Fertilizing the farm fish pond. League of Maryland Sportsmen, Inc., Rally Sheet, vol. 1, no. 3, p. 6-8.

1945. The effects of various fertilizers on plant growths and their probable influence on the production of smallmouth black bass in hard-water ponds. Transactions of the American Fisheries Society, vol. 73 (for the year 1943), p. 377-393.

Surber, Eugene W. cont'd:

1947. Variations in nitrogen content and fish production in smallmouth black bass ponds. Transactions of the American Fisheries Society, vol. 74 (for the year 1944), p. 338-349.

1951. Bottom fauna and temperature conditions in relation to trout management in St. Mary's River, Augusta County, Virginia. Virginia Journal of Science, vol. 2, no. 3, p. 190-202.

VAN OOSTEN, JOHN.

1948. Turbidity as a factor in the decline of Great Lakes fishes with special reference to Lake Erie. Transactions of the American Fisheries Society, vol. 75 (for the year 1945), p. 281-322.

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