

Marion Lake Project fonds

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Fonds Description

Marion Lake Project Fonds. - 1963-1975.

1.25 m of textual records.

Administrative History

An extensive ecological study of Marion Lake in British Columbia was undertaken between 1963 and 1973 by the University of British Columbia Institute of Fisheries (renamed the Institute of Animal Resource Ecology between 1968 and 1969) to identify the components and develop a system model of a fresh-water ecosystem. The project, under the direction of Dr. Ian E. Efford of the UBC Zoology Department, received funding from the Canadian Committee of the International Biological Program in 1967, becoming the fifty nation plan of interdisciplinary research on biological productivity and adaptability.

Scope and Content

The fonds consists of four series: administrative records series, case studies files series, Marion Lake book series and photographic material series.

Notes

Material was donated in 1980/81 by Dr. Ian Efford.

File list available.

Series Descriptions

Administrative Records Series. - 1965-1975.

4 cm of textual records.

Series consists of correspondence, grant and contract records, reports, and other administrative documents related to the Marion Lake research project.

Case Studies Files Series. - 1963-1975.

1.18 m of textual records.

Series consists of case studies records on biological productivity research. The series is divided in six sub-series: correspondence, seminars and workshops papers, raw data, resource material, analyzed data, and unpublished and published papers.

Correspondence Sub-Series. - 1966-1975.

1 cm of textual records.

Sub-series consists of correspondence related to the Marion Lake research field work.

Seminars and Workshops Papers Sub-Series. - 1965-1970.

2 cm of textual records.

Sub-series consists of documents related to seminars and workshops given on Marion Lake biological productivity research.

Raw Data Sub-Series. - 1963-1972.

95 cm of textual records.

Sub-Series consists of working papers, computer printouts, readings from instruments and other research notes.

Resource Material Sub-Series. - 1932-1972.

9 cm of textual records.

Sub-Series consists of maps, booklets from the UBC Forestry Department and various photocopies.

Analyzed Sub-Series. - [1970].

2 cm of textual records.

Sub-series contains an algae list and a phytoplankton key.

Unpublished and Published Papers Sub-Series. - 1967-1975.

9 cm of textual records.

Sub-series contains unpublished and published papers written by various investigators of the Marion Lake research project.

Marion Lake Book Series. - 1972-1974.

3 cm of textual records.

Series consists of correspondence and draft related to the Marion Lake book.

Photographic Material Series. - 1963-1975.

Series consists of photographs, negatives, slides and film related to the Marion Lake research project.

File List

BOX 1

ADMINISTRATIVE RECORDS

- 1-1 Correspondence, 1964-1969, 1973-1975
- 1-2 Grants and Contracts Records, 1965, 1967-1969
- 1-3 Reports, 1968-1970
- 1-4 Reports, 1970-1971
- 1-5 Personnel, 1971-1973
- 1-6 Equipment and Supplies, 1965, 1967-1969
- 1-7 Newspaper Clippings, 1967-1969, 1971

CASE STUDIES FILES

- 1-7a Seminars, Workshops, 1965, 1967, 1969-1970
- 1-8 Correspondence, 1966-1969
- 1-9 Correspondence, 1970, 1972-1975
- 1-10 Marion Lake Workshops, 1969-1970

RAW DATA

- 1-11 Marion Lake Data Bank, 1969
- 1-12 Activity of Fish and Salamanders, 1967
- 1-13 Ambystoma Fat Body Experiments, Bruce Fairbain
- 1-14 Ambystoma Fat Gracile, Bruce Fairbain, 1969-1970
- 1-15 Amphipod Data, J. Mathias, 1966
- 1-16 Amphipod Data, J. Mathias, 1966
- 1-17 Aquatic Fungi, 1969
- 1-18 Benthic Algal Production - G.K. Gruendling, 1968-1969
- 1-19 Oxygen Study, Ian E. Efford, 1968
- 1-20 Pisidium Soluble Organics, 1968
- 1-21 Bottom Dreges, 1963-1964
- 1-22 Carolimeter Tests, B. Hargrave, 1966-1967
- 1-23 Carolimeter Tests, B. Hargrave, 1969-1970
- 1-24 Carolimeter Tests, B. Hargrave, 1970

- 1-25 Composition and Numbers of Bacteria in Lake Mud - Pam Fraker, 1969
- 1-26 Copepods Data, D. McQueen, 1966-1968
- 1-27 Copepods Data, D. McQueen, 1966-1968
- 1-28 Colonization Experiments, P. Starr, 1969-1970
- 1-29 Feeding Rates in Fish and Salamanders, 1967
- 1-30 Helisoma, Gyraulis and Pisidium, 1967
- 1-31 Hyallella azteca and Cranconyx Richmondensis Occidentalis, 1966
- 1-32 Hyallella azteca and Cranconyx Richmondensis Occidentalis, 1966
- 1-33 Hyallella azteca and Cranconyx Richmondensis Occidentalis, 1966
- 1-34 Income from Forest Litter and Suspended Fine Particles, R. Rodgers, 1968-70
- 1-35 Inlet and Outlet Flow Rates 1966, 1968-1969
- 1-36 Leeches in Marion Lake, 1967-1970

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- 2-2 Oxygen and Regressions, B. Hargrave, 1968
- 2-3 Oxygen and Regressions, B. Hargrave, 1968
- 2-4 Phytoplankton, Dickman, 1967
- 2-5 Phytoplankton from Marion Lake, 1963-1964
- 2-6 Phytoplankton Productivity Experiments, 1963-1964
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- 2-8 Phytoplankton Sample Nos and Cells Counts, 1963
- 2-9 Population Summary Reports, 1963-1969
- 2-10 Population Summary Reports, 1963-1970
- 2-11 Primary Productivity, Ian Efford, 1963
- 2-12 Primary Productivity, Ian Efford, 1966
- 2-13 Pyrhelium Charts, 1966
- 2-14 Pyrhelium Charts, 1969-1972
- 2-15 Rainbow Trout and Kokanee Calorific Data, 1968
- 2-16 Rainbow Trout and Kokanee Calorific Data, 1968
- 2-17 Rainbow Trout and Kokanee Data, 1963-1965
- 2-18 Rainbow Trout and Kokanee Data, 1966
- 2-19 Rainbow Trout and Kokanee Data, 1963-1967
- 2-20 Salamanders (Ambystoma), 1963-1964
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- 2-23 Salamanders (Taricha Granulosa), 1963-1965

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- 3-8 Salamanders, 1963-1967
- 3-9 Salamanders, 1966-1969
- 3-10 Salamanders Cards and Notes - J. Mathias, 1963-1964
- 3-11 Setting Jar Samples, 1965
- 3-12 Soils Within Watershed
- 3-13 Soluble and Particulate Carbon, 1965-1972
- 3-14 *Pisidium* Soluble Organics, 1971
- 3-15 Summary of Chironomid Data, 1968-1970
- 3-16 Summary Sediment, 1968-1971
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- 3-18 Trematode Ecology, 1963, 1966-1967
- 3-19 Water Flow Data, 1965-1972
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- 4-6 Filed Books, 1963-1964
- 4-7 Filed Books, 1964
- 4-8 Working Papers/Notes, Gyrinid Observation, 1972
- 4-9 Working Papers/Notes, Miscellaneous, 1972

RESOURCE MATERIAL

- 4-10 Faculty of Forestry, Miscellaneous
- 4-11 Faculty of Forestry, Miscellaneous
- 4-12 Pisidium Solube Organics
- 4-13 Maps, 1956-1958, 1962-1964
- 4-14 Miscellaneous

ANALYZED DATA

- 4-15 Algae List
- 4-16 Phytoplankton Key

UNPUBLISHED PAPERS

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- 4-18 Benthic Plantonic Communities, 1975
- 4-19 Benthos, 1971
- 4-20 Ciliated Protozoa, 1973, 1975
- 4-21 Copepods
- 4-22 Cutthroat Trout, 1975
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- 4-24 Epipellic Algal Photosynthate
- 4-25 Heterotrophy in Sediments
- 4-26 Salamanders Feeding
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- 4-28 Submodel Description, Marion Lake Model, 1970
- 4-29 Published Papers, Miscellaneous, 1967-1971

MARION LAKE BOOK

- 4-30 Correspondence, 1972-1974
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