

ANNOTATED BIBLIOGRAPHY
OF THE
GEOLOGY OF NORTH DAKOTA
1960-1979

by
Mary Woods Scott
1981

DAKOTA

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MISCELLANEOUS SERIES NO. 60
North Dakota Geological Survey

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NORTH DAKOTA GEOLOGICAL SURVEY

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1981

INTRODUCTION

This bibliography focuses on the geologic literature of North Dakota published during the years 1960 through 1979. A similar bibliography of all known geologic literature on North Dakota that was published between 1805 and 1960 was issued by the North Dakota Geological Survey in 1972 (Scott, 1972). Some references to the literature prior to 1960 are also included in this volume, since they were omitted from the earlier one. Decisions to include or exclude references from this bibliography were based primarily on the value of the article to the study of the geology of North Dakota. Additional reference sources should be consulted when researching areas that are not uniquely North Dakota (Williston Basin, Madison Group, Red River Valley, etc.).

The citation format used in this bibliography is that of the sixth edition of the "Suggestions to Authors of the Reports of the United States Geological Survey" (Bishop, E. E., Eckel, E. B., and others, 1978). Entries in the bibliography are arranged alphabetically by author. Several reports done by the same author are arranged chronologically from oldest to youngest. Several reports published during a single year by the same author are arranged alphabetically by title. Reports by two or more authors are listed following the reports done by the first author alone. Each entry includes keywords and/or keyword phrases to describe the contents of the report; in this respect the bibliography differs from the 1972 version, which included annotations for many of the entries. The "GEOREF Thesaurus and Guide to Indexing," second edition (Heckman, and others, 1978), and the American Geological Institute's "Glossary of Geology" (Gray, and others, 1972) were the major sources of keywords used in the bibliography. These were supplemented by terminology from the report itself. In most instances, stratigraphic, geographic, and paleontologic terminology was selected from the report.

The subject index is patterned after the index of the "Bibliography and Index of Geology," published by the American Geological Institute. The "GEOREF Thesaurus and Guide to Indexing," second edition, was used to construct the index. The major headings in the index are subdivided where necessary and where possible. Cross references indicate that the term listed is not used as a heading and the user is referred to the correct index term, for example: "FOSSILS see PALEONTOLOGY," or "EOCENE see Subheadings under TERTIARY." The user should consult the related headings listed for additional reports that may interest him. Most of the stratigraphic reports will be found under the names of the specific stratigraphic unit. A single report may be listed under several different headings in the index.

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aquifers; sandstones; siltstones; water quality; groundwater movement
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geologic map; well data; Pembina Delta; glacial Lake Agassiz; Pembina River; groundwater; chemical analysis
- ADOLPHSON, D. G., 1961a, Geology and ground water resources of the Drake area, McHenry County, North Dakota: North Dakota Water Conservation Commission, North Dakota Ground-water Study 31, 44 p., illus. including geologic sketch maps, scales 1:1,000,000 and 1:125,000.
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well records; test holes; well logs; water quality; water levels; chemical analyses

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groundwater; hydrogeology; well data; well logs; water quality

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Cavalier County; Langdon; glacial geology; geologic map; water resources; waste disposal; construction; economic geology; planning

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glacial Lake Agassiz; lithostratigraphy; Sherack Formation; Poplar River Formation; West Fargo Member; type sections; Harwood Member; Brenna Formation; Falconer Formation; Huot Formation; Wylie Formation; Argusville Formation; Pleistocene; Holocene; glacial history; lake stages; radiocarbon dates; depositional environments; engineering geology; test holes; cross sections

ARNDT, B. MICHAEL, 1976, Hydrogeology of a sanitary landfill at Langdon, North Dakota (abstract): North Dakota Academy of Science Proceedings, v. 30, Part 1, p. 2.

Cavalier County; hydrogeology

ARNDT, B. MICHAEL, 1977, Stratigraphy of offshore sediment--Lake Agassiz, North Dakota: North Dakota Geological Survey Report of Investigations 60, 58 p., illus.

Red River Valley; glacial Lake Agassiz; Pleistocene; stratigraphy; lithology; geologic history; chronostratigraphy; radiocarbon dates; depositional environments; engineering geology; engineering properties

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groundwater resources; environmental geology; land use; regional planning; areal geology

ARNDT, B. MICHAEL, and MORAN, STEPHEN R., 1973, Geotechnical considerations in construction at Fargo, North Dakota (abstract): Geological Society of America Abstracts with Programs, v. 5, no. 4, p. 294.

Lake Agassiz, glacial sediments; engineering geology

ARNDT, B. MICHAEL, and MORAN, STEPHEN R., 1974a, Geologic input for planning in Cass and Clay Counties, North Dakota and Minnesota (abstract): North Dakota Academy of Science Proceedings, v. 28, pt. 1, p. 1.

land-use planning; land resources; mineral resources; groundwater resources; sanitary landfill; potential for pollution of groundwater

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