



Explanation of Soil Survey Coverage

The systematic inventory of Manitoba's soil resource is available at different scales and levels of detail. Reconnaissance soil maps and reports cover the agricultural land and much of the adjacent forested land at scales of 1:126 720 and 1:125 000. Biophysical (ecological) surveys provide soil resource information for selected areas of northern Manitoba at a scale of 1:125 000 (Index Map 1).

Resurveys of selected areas of the province

subject to more intensive agricultural and non-agricultural uses provide more detailed soil information at scales of 1:50 000 and 1:20 000 (Index Map 2).

A Soil Landscapes Map derived from all available soil survey information provides an overview of the distribution and key properties of major soils for all of Manitoba at a scale of 1:1 000 000 (Index Map 3).

Canada-Manitoba Soil Survey Index

Soil surveys are intended to help farmers, agricultural extension workers and soil scientists in determining the suitability and productivity of soils for field crops, pasture and forage land. Soil surveys can also help land use planners determine the suitability of areas for competing uses, or help engineers assess the suitability of soil materials for landfills, gravel, construction of pipelines and other uses.

Soil surveys are comprehensive inventories of land and soil properties. The soil reports provide

technical information about the soil and land surface, whereas soil maps portray the location and extent of the various kinds of soil. Soil surveys contain descriptions of soil and provide guides for assessing soil suitability for various land uses. Soil properties generally described in soil surveys include: natural soil drainage; texture (content of sand, silt, and clay); organic matter; acidity and alkalinity (pH); salinity; stoniness and rockiness; slope and topography; depth of rooting zone; depth to water table.

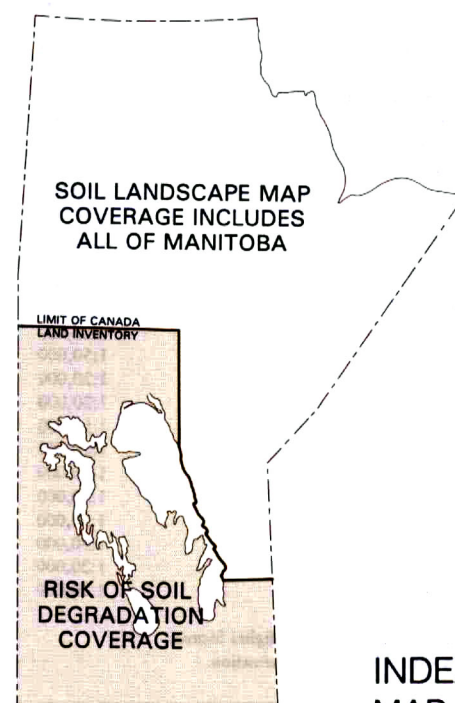
Soil Landscapes of Manitoba¹

A generalized Soil Landscapes Map accompanied by an extended legend provides an overview of the distribution and characteristics of Manitoba soils at a scale of 1:1 million.

The Soil Landscapes Map has been utilized to derive a series of interpretive maps depicting relative risk of soil degradation by wind, water and salinization in southern Manitoba.

Available maps and reports are:

Soil Landscapes of Canada	1989	Pub.No. 5242/B
Water Erosion Risk	1989	" 5259/B
Wind Erosion Risk	1989	" 5257/B
Soil Salinity	1990	" 5261/B



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MAP 3

How to Order Publications

Order published reports and surveys by report number and title. Soil Survey Maps and Reports are available by contacting:

Office of the Queen Printer
Statutory Publications
200 Vaughan Street
Winnipeg, Manitoba R3C 1T5
Phone 945-3103 or 945-3102

or

Agricultural Representative and Regional
Offices of Manitoba Agriculture

Reports indicated by ¹ are available through:
Publications Distribution Centre
Manitoba Agriculture
411 York Ave.
Winnipeg, Manitoba,
R3C 3M1
Phone (204) 945-3846

Information regarding reports and maps indicated by ² is available by contacting:

Office of the Canada-Manitoba Soil Survey
Department of Soil Science, Ellis Building
University of Manitoba
Winnipeg, Manitoba, R3T 2N2
Phone (204) 474-6119
Fax (204) 275-5817



INDEX MAP 1

INDEX TO RECONNAISSANCE SURVEYS AND BIOPHYSICAL SURVEYS

Report No.	Project Name	Scale	Date
RECONNAISSANCE SOIL SURVEYS			
3	South Western	1:126,720	1940
4	South Central	1:126,720	1943
5	Winnipeg-Morris	1:126,720	1953
6	Rosburn-Virden	1:126,720	1956
7	Carberry	1:126,720	1957
8	West-Lake	1:126,720	1958
9	Grandview	1:126,720	1957
10	Nelson River Basin	1:100,000	1973
11	Pasquia	1:63,360	1960
12	Fisher-Teulon	1:100,000	1961
13	Swan River	1:126,720	1962
14	South Eastern	1:126,720	1964
15	Lac du Bonnet	1:126,720	1967
16	Grahamdale	1:126,720	1971
19	Red Rose-Washow Bay	1:126,720	1975
21	Ste. Rose	1:126,720	1981
22	The Pas	1:125,000	1982
23	Waterhen	1:125,000	1985
R28	Soils and Salinity Conditions in the Pasquia Lake Area	1:50,000	1984

BIOPHYSICAL AND EXPLORATORY SURVEYS²

B3	Hayes River, 54C	1:125,000	1976
B4	Kettle Rapids, 54D	1:125,000	1976
77-3	Hecla, 62P- Carroll Lake, 52M	1:125,000	1977
78-1	Berens River, 63A- Deer Lake, 53D	1:125,000	1978
78-2	Knee Lake, 53M	1:125,000	1978
78-7	Oxford House, 53L	1:125,000	1978
79-2	Sipiwes Lake, 63P - Split Lake, SE ¼ 64A	1:125,000	1979