



University of Saskatchewan

**SALINITY MAP
OF THE
AGRICULTURAL REGION
OF
SASKATCHEWAN
(north half)
1:500,000**



"This map portrays the extent and distribution of soil salinity in the northern part of the agricultural region of Saskatchewan; a companion map covers the southern part of the agricultural region.

Although scientists and farmers alike have long recognized the presence of salt-affected soils in Saskatchewan, in the past decade or so there has been an increased awareness of the problem and a deepening concern that the extent of saline soils has been increasing due to agricultural practices.

For this reason, an inventory of salt-affected soils in Saskatchewan was undertaken to provide an estimate of the extent of saline soils as well as to assess the potential or risk of increasing salinization.

Mr. A.K. Ballantyne undertook this task in 1979, culminating a long and distinguished career with the Saskatchewan Soil Survey where soil salinity was his special interest. The map was made by integrating observations along most of the 'grid' roads in the province, with his extensive personal experience and the knowledge of the province's soils and landscapes.

It must be recognized that this map only provides general answers for each of the areas delineated on the map. Evaluation of small areas, such as a quarter section within a delineated area, are likely to be affected by local conditions within the area that differ from the area as a whole.

A concerted effort is presently being made at the University of Saskatchewan to document the nature and distribution of saline soils and to develop management strategies for the local or farm level. Those requiring on-farm evaluation will be able to obtain this information when it becomes available for their specific area."

D.F. ACTON
SASKATCHEWAN SOIL SURVEY
1984

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