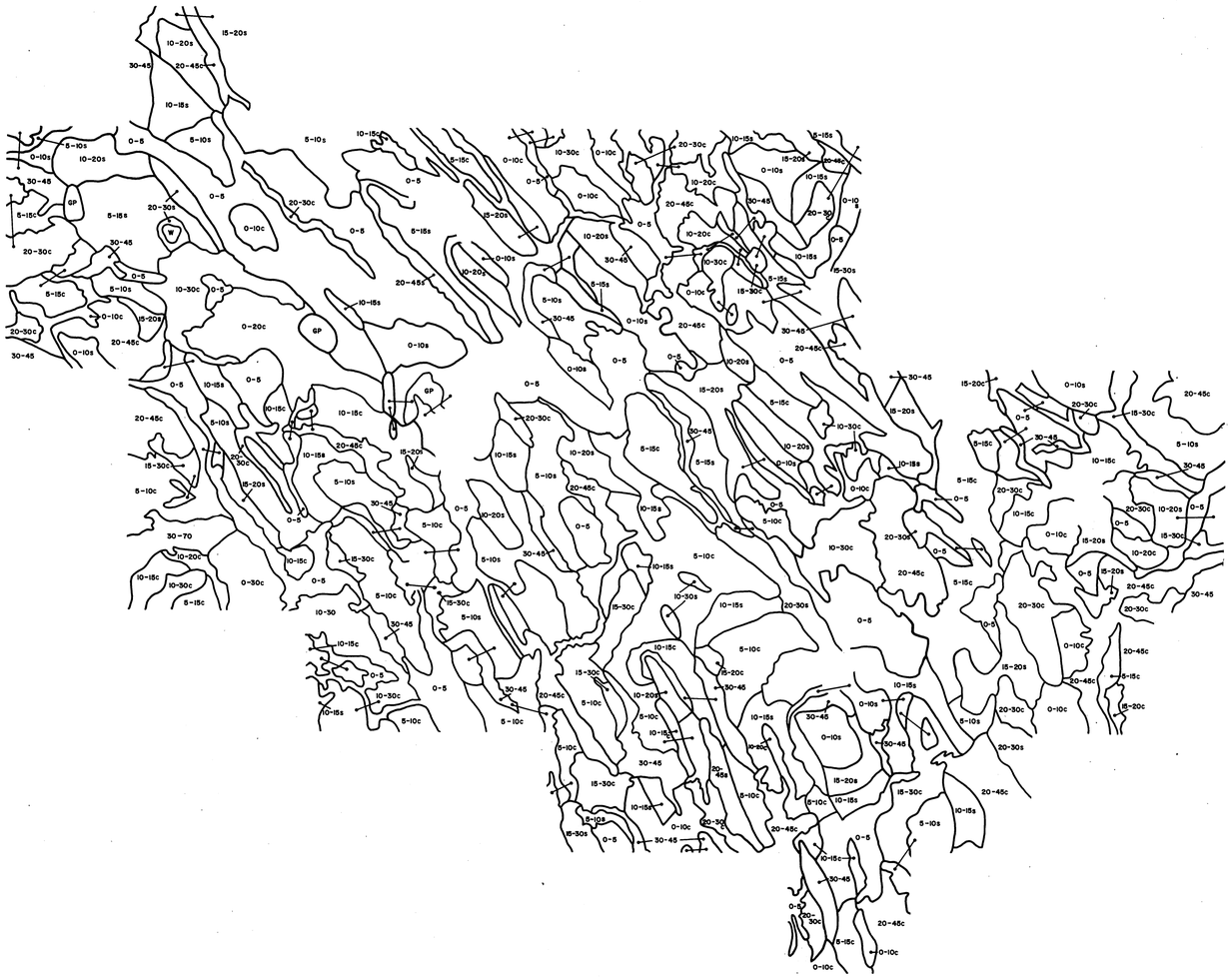
Slope Ranges



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1. Explanatory Notes

This map indicates the actual range of slopes in each map polygon to identify areas which have slope restrictions for irrigation design and is Map No. 2 in a series of three maps of the Separation Lake area, 2880 ha. The first map (Soils of the Separation Lake Area) delineates the geographic distribution of and describes the soils in the map area. The third map (Consumptive Use Irrigation Requirements of the Separation Lake Area) shows the consumptive use irrigation requirements of the soils in the map area that are suitable for irrigation.

2. Slope Ranges and Irrigation Design Restrictions

The slope map indicates the actual range of slopes in % in each map polygon. Symbols identifying slope pattern (simple or complex) are provided for slope gradients between 5 and 30%. Slope pattern is not identified in polygons which have slopes of either less than 5% or greater than 30%. Slopes less than 5% generally have no implications for type or method of irrigation while slopes greater than 30% are considered non-irrigable. Simple slopes (s) have a consistent, unidirectional slope gradient over the entire slope length while complex slopes (c) form an irregular, multidirectional pattern of slope lengths, shapes and gradients within the slope unit.

The slopes can be grouped into restriction classes as follows:

Slope Range	Irrigation Design Restriction
0 - 5%	none
5 - 10%	slight
10 - 20%	moderate
20 - 30%	severe
> 30%	non-irrigable

3. Examples of Map Symbols

10-30 s — indicates slope configuration [simple (s) or complex (c)] for slopes between 5 and 30%; actual slope range %

0-5 — actual slope range % - simple or complex not indicated for slopes <5% or >30%

4. Credits

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5. Other Maps in Study

Map No. 1 - Soils of the Separation Lake Area
Map No. 3 - Consumptive Use Irrigation Requirements of the Separation Lake Area

All maps are available upon request from:
Map Library
Planning and Resource Management Division
British Columbia Ministry of Environment
Parliament Buildings
Victoria, British Columbia
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MAP NO. 2