alized level than ecoclimatic regions. Such generalization may be useful when the detail

provided by ecoclimatic regions is not needed. In spite of the broad generalization, vegeta-

tion development shows greater affinities within an ecoclimatic province than between neigh-

bouring provinces. They are therefore suitable as an ecological framework at such generalized

development on different sites is available. While a considerable body of such knowledge

does exist, this knowledge is fragmentary for many areas. In such cases, the ecoclimatic

regions are based on insufficient information. It is anticipated, therefore, that revisions of

ecoclimatic region boundaries and their descriptions will be necessary as more knowledge

is gained. In this sense, the map of the ecoclimatic regions of Canada is provisional, a

and reliability of the map and descriptions in any future editions.

first approximation. Comments are, therefore, invited so that we may improve the quality

105°

100°

Ecoclimatic regions are not delineated based on climatic data. One of the reasons is that

This approach to ecoclimate classification assumes that a knowledge base of vegetation

115°

factors (shallow soils, poor drainage, toxic nutrient levels, etc.) may result in a dominant

vegetation that is adapted to these conditions. Vegetation under such conditions will be

limited, and will be different from the dominant vegetation of a comparable ecoclimatic region

we lack a solid base of climatic observations for many parts of the country. The main reason,

know whether the averages, extremes, or fluctuations of certain parameters are limiting or

favouring the vegetation, and what combination of these variable parameters should be mea-

sured. This is the reason for using vegetation development to express an integration of cli-

matic inferences in the definition of the ecoclimatic regions. Once established, the ecoclimatic

regions can be characterized in terms of measured climatic parameters.

however, is that we lack a full understanding of climate-vegetation relationships. We do not

that has a full spectrum of sites.

Cartography by McElhanney Geosurveys Limited, Ottawa, Ontario.

Base map taken from MCR-129 © Energy, Mines and Resources Canada.

Ecoregions Working Group. 1989. Ecoclimatic Regions of Canada, First

Approximation. Ecoregions Working Group of the Canada Committee

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