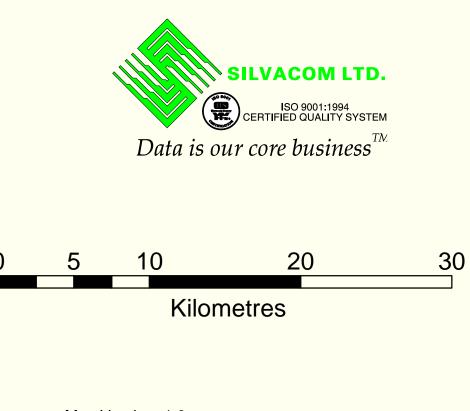


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CUMULATIVE WATERSHED DISTURBANCE AND HYDROLOGIC RECOVERY ANALYSIS FMS 115 - 10 YEAR



analysis was derived from the Cumulative Watershed Disturbance and Hydrolog

CA stands for "equivalent clearcut area" which describes the "effective" area that a

Nodel accuracy depends primarily on accurate hydrological recovery information of prest stands after disturbance, as well as representative regional streamflow and

blogical recovery of mixedwood stands is not simulated be this model. The

el assumes that maximum volume growth rate represents the age at which full

very of forest stands after disturbance and availability of representative regiona

e values representing some watersheds may be inaccurate due to the entire tershed not being considered in the analysis - primarily small portions of a water

Watershed boundaries were derived using a digital elevation model (DEM) with a cell size of 25 metres. The accuracy of these boundaries depends on the quality of the DEM and is not intended to be used for accurate measurements.

nalysis only represents the incremental effect of cumulative harvesting. uracy of the model depends primarily on accurate information on hydrologic

ring historic disturbance currently represents in terms of its ecological effects

nple: a 100ha stand harvested 20 years ago would use 75% of the water a matu nd would use. Therefore, this 20 year old clearcut would be equal to a 25ha rec

very Simulator (ECA - Alberta).

logical recovery is obtained.

nflow and precipitation data.

ordering the FMA boundary.

itation data.

Map Version: 1.0 Map Production: Silvacom Ltd. Map Date: January 10, 2005 Original Map Scale: 1:250,000 Silvacom Reference: i-001 Map File: /J-016/eca/watershedthp10.mxd