



INTERPRETATIVE MAP LANDSAT-1 LINEARS

PART OF KENNETCOOK AREA AND ADJACENT AREAS

Scale 1:50,000

The five spectral bandpasses of LANDSAT 1 imagery have been computer manipulated to derive eight optimum theme track displays chosen to show areas of water, wetlands, grasslands, hardwood and softwood forest, relief, etc. Selective mixing and superposition of these eight theme tracks produce plots from which linear and curvilinear features can be discriminated. These features have been delineated and compared with those on topographic maps. The number code (1 to 4) assigned to each linear indicates the number of individual melded theme-track displays (plots) in which a particular linear feature is evident and is thus a measure of confidence. Some linears evident on only one plot however may be strongly expressed on that plot; these linears may therefore carry equal weight to those visible on several plots. Faults (www) taken from GSC Map 1-1956, Mem 302 and unpublished sources at Acadia University.

Map and source plots computer derived from numerical LANDSAT multi spectral sensing imagery at Canada Centre for Remote Sensing Ottawa using the CIAS system. Map of linears retraced on planimetric base from topographic maps by Canadian Department of Energy Mines and Resources, Survey and Mapping Branch.

Computer image manipulation for optimization of linears and map compilation by G R Stevens, 1981, 1987.

Map redrawn by Stewart A-Ferguson 1987.

Acadia University, Wolfville, Nova Scotia 1987.