LANDSAT MAP MOUNT UNIACKE, ETC.

SE Corner Lat 44°40' Long 63°40'

NSDME, Open File Map 88-026

# INTERPRETATIVE MAP OF LANDSAT-1 LINEARS PART OF MOUNT UNIACKE AREA AND ADJACENT AREAS

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 5) 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. Oval patterns are based on concentrically nested curvilinear trends evident on several plots and carry a confidence level of three (3). Faults (wwww) taken from unpublished maps at Acadia University.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 Surveys and Mapping Branch.

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

Map redrawn by Stewart A. Ferguson, 1987.

Acadia University, Wolfville, Nova Scotia, 1987

Scale 1:50,000

64°00' 63°55' 63°50' 63°45' 63°40'

45°05' 45°00' 44°55' 44°50' 44°45' 44°40'

MOSHERVILLE, Kennetcook R., SCOTCH VILLAGE, Rly, Abandoned, Herbert R., WOODVILLE, Smileys Provincial Park, McKAY SECTON, ASHDALE, SOUTH RAWDON, Avon River Fault, NEWPORT CORNER, DND, ARDOISE, HILLSVALE, Nix L., Birch Bark L., Cameron L., Power, Piggott L., Cockscomb L., LAKELAND, Lily L., King L., Lake, Mile, Blind L., Five Island L., Fales L., Brunswick L., Granite L., Line, Soldier L., Uniacke L., MOUNT UNIACKE, Pentz L., West L., ETTER SETTLEMENT, SOUTH UNIACKE, DND, Island L., Lacey L., Clements L., Five, WEST HANTS COUNTY, EAST HANTS COUNTY, Sandy L., Island L., Bezanson L., Big Walsh L., Indian Lake, Pockwock Lake, Two Mile L., Melvin L., POCKWOCK, Little Pockwock L., Clay L., Bates L., Rafter L., Wrights L., UPPER HAMMONDS PLAINS, Taylor L., Cooper L., Pagwa L., Snake L., Stillwater L., Cox L., UPPER TANTALLON, St Margarets Bay, Power, Birch Hill L., Line, Fraser L., Ash L., Fox L., Herbert R., Blueberry Lakes, Lake Lake, Carrigan L., Storys L., Megrath L., Fahey, Whalen L., Nelson L., Thompson L., Jim Horne L., Moore L., Long, Lewis L., O'Hearn L., Savage L., EAST UNIACKE, Nicholson L., EAST HANTS COUNTY, EAST HALIFAX COUNTY, Lines, BEAVER BANK VILLA, Cranberry L., Hawkins Hall L., Power, Rasley L., Beaverbank L., MIDDLE BEAVERBANK, Square L., Tucker L., Fenerty L., Horse Shoe L., Springfield L., UPPER SACKVILLE, Power, BEAVERBANK, MAROON HILL, Tomahawk L., McCabe L., Webber L., MIDDLE SACKVILLE, Sandy L., LUCASVILLE, HAMMOND PLAINS, Baptizing L., BEDFORD, Bedford Basin, Ragged L., Kearney L., Line, Power, Rly, UPPER SACKVILLE, BEAVERBANK

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