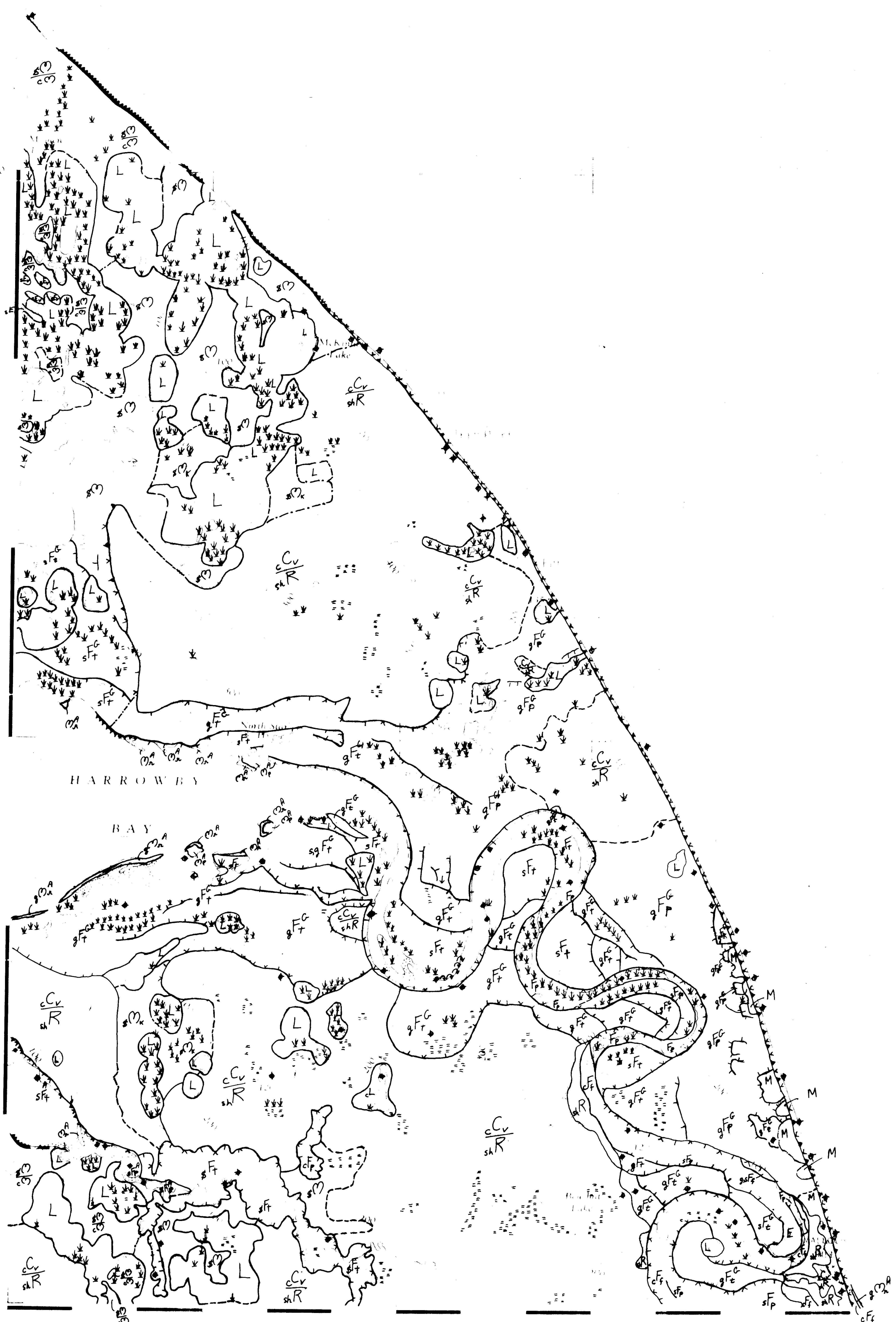
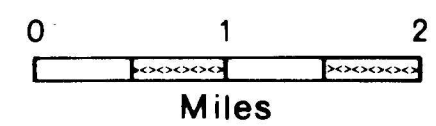


SURFICIAL GEOLOGY AND LANDFORMS MALLOCH HILL (97F - W 1/2)

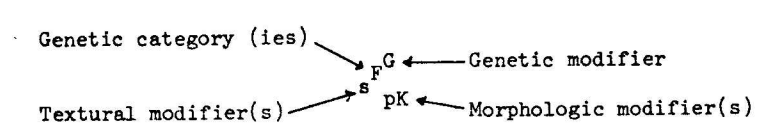
Geology by V. Rampton

SCALE 1:125,000



BASIC MAP LEGEND

Landform unit notation



Genetic Categories

- C - colluvial
- E - eolian
- F - fluvial
- L - lacustrine
- M - moraine
- (O) - marine
- O - organic (see symbol for organic)
- R - bedrock
- U - undifferentiated or unknown, commonly M or L

Genetic Modifiers¹

- G - glacial
- A - responsible genetic process still actively affecting area

Textural Modifiers²

- c - clay, clayey
- f - silt or interbedded clay
- s - silt and fine sand
- s - sand, sandy
- g - gravel, gravelly
- sh - shale

Morphologic Modifiers³

- e - eroded, gullied
- f - fan
- h - hummocky
- m - rolling
- p - plain
- r - ridged, beach
- t - terrace
- v - veneer⁴
- G - glaciated⁵
- X - thermokarst⁵

¹Mainly used to separate glaciofluvial deposits (F^G) from nonglacial fluvial deposits (F); to separate late Pleistocene glaciolacustrine deposits (L^G) from lacustrine deposits of thermokarst origin (L); to indicate areas where the responsible genetic process is still active (A).

²Where textures are not indicated, the following textural modifiers are assumed:

- E - sand
- F^G - silt or fine sand
- F^G - sand or gravel
- M - stony clay
- L^G - silt or clay
- L^G - sand or gravel
- L^G - silt or sand
- L^G - clay or silt, in some cases dependent on materials adjacent to shoreline

³Where morphology is not indicated, the following morphologic modifiers are assumed:

- C - gentle or moderate slopes
- L - flat or gently sloping; in places stepped
- U - flat or gently rolling
- E - flat or having small ridges
- M - rolling

⁴Veneer indicates known thickness of category is less than 15 feet, commonly only 3 feet or less. Surface is flat or gently rolling.

⁵Glaciated indicates that map-unit has been topographically modified by glaciation even though till is not always easily identified on surface of map-unit. Thermokarst indicates that a hummocky topography has developed as a result of subsidence and erosion where frozen sediments or ground ice have melted.

Symbols

- beach ridge or spit (sand or gravel)
- former beach ridge or spit (sand or gravel; gravel)
- sea cliff or escarpment, 25 ft. constantly or periodically undercut (v indicates escarpment partly cut in bedrock)
- former sea cliff (partly cut in bedrock)
- abandoned glaciolacustrine shoreline, marked by cliffs, beaches, etc.
- stream-cut escarpment, constantly or periodically undercut (v indicates escarpment partly cut in bedrock)
- former stream-cut escarpment (v indicates escarpment partly cut in bedrock)
- standing water covering 30 percent of area
- organic deposit, 5-15 ft thick
- Q - active or recently active blow-out
- +
- +
- boundaries (defined, approximate, assumed)



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