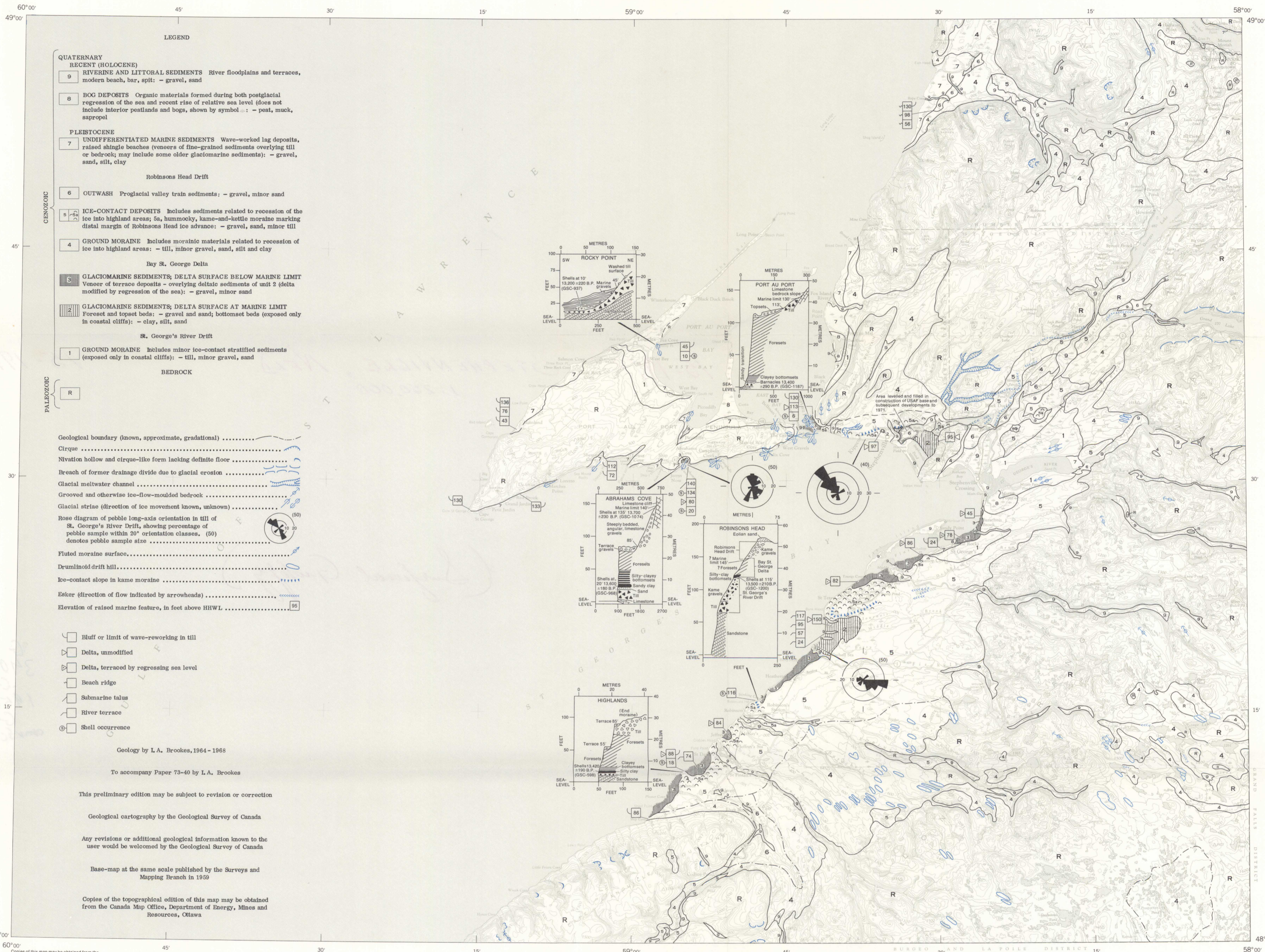




GEOLOGICAL SURVEY OF CANADA  
DEPARTMENT OF ENERGY, MINES AND RESOURCES



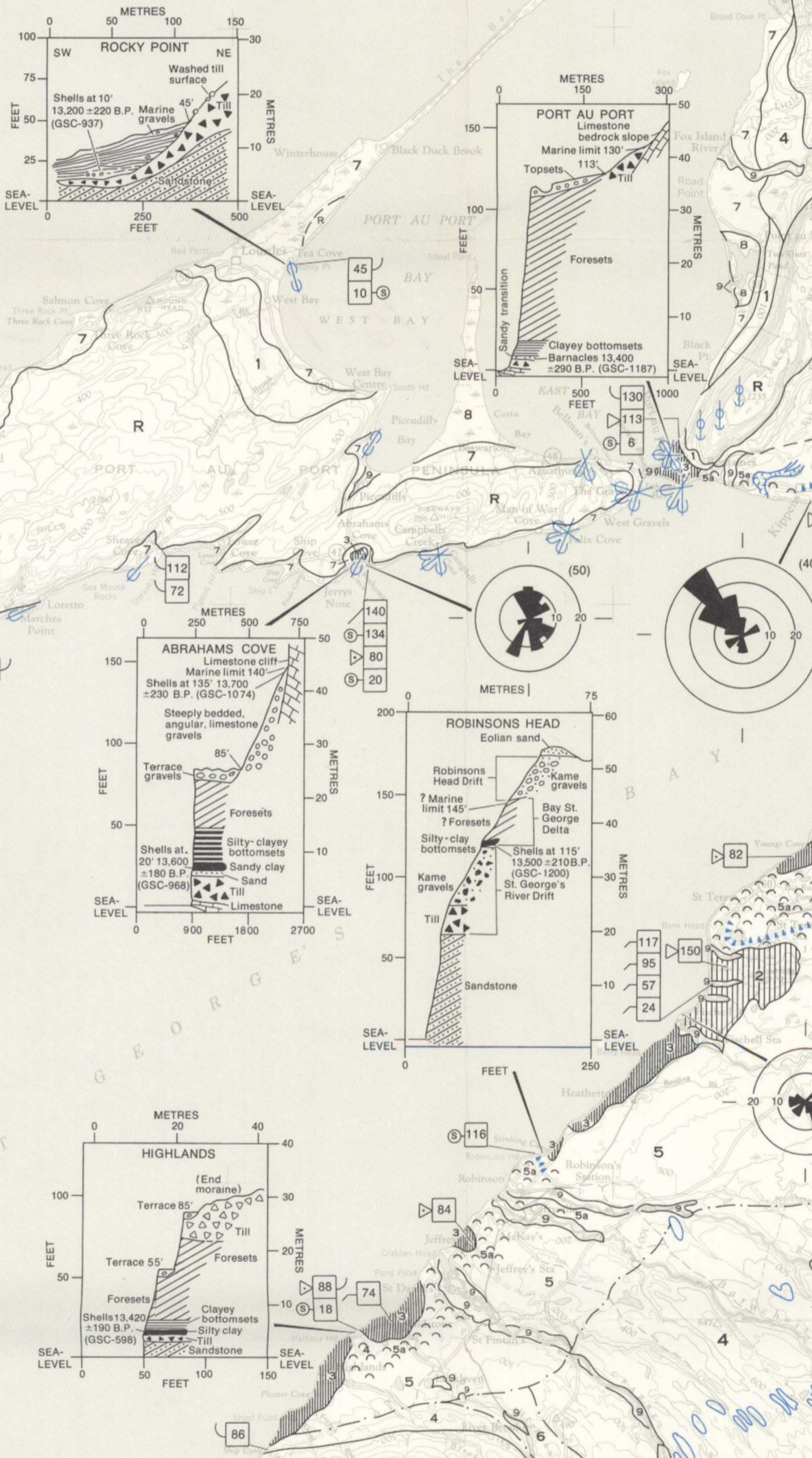
- LEGEND**
- QUATERNARY**  
**RECENT (HOLOCENE)**  
 9 RIVERINE AND LITTORAL SEDIMENTS River floodplains and terraces, modern beach, bar, spit: - gravel, sand  
 8 BOG DEPOSITS Organic materials formed during both postglacial regression of the sea and recent rise of relative sea level (does not include interior peatlands and bogs, shown by symbol : - peat, muck, spropel)
- PLEISTOCENE**  
 7 UNDIFFERENTIATED MARINE SEDIMENTS Wave-worked lag deposits, raised shingle beaches (veners of fine-grained sediments overlying till or bedrock; may include some older glaciomarine sediments): - gravel, sand, silt, clay
- Robinsons Head Drift**  
 6 OUTWASH Proglacial valley train sediments: - gravel, minor sand
- ICE-CONTACT DEPOSITS** Includes sediments related to recession of the ice into highland areas; 5a, hummocky, kame-and-kettle moraine marking distal margin of Robinsons Head ice advance: - gravel, sand, minor till
- GROUND MORaine** Includes morainic materials related to recession of ice into highland areas: - till, minor gravel, sand, silt and clay
- Bay St. George Delta**  
 3 GLACIOMARINE SEDIMENTS; DELTA SURFACE BELOW MARINE LIMIT Vener of terrace deposits - overlying deltaic sediments of unit 2 (delta modified by regression of the sea): - gravel, minor sand
- GLACIOMARINE SEDIMENTS; DELTA SURFACE AT MARINE LIMIT** Foreset and topset beds: - gravel and sand; bottomset beds (exposed only in coastal cliffs): - clay, silt, sand
- St. George's River Drift**  
 1 GROUND MORaine Includes minor ice-contact stratified sediments (exposed only in coastal cliffs): - till, minor gravel, sand

- BEDROCK**  
 R
- Geological boundary (known, approximate, gradational) .....  
 Cirque .....  
 Nivation hollow and cirque-like form lacking definite floor .....  
 Beach of former drainage divide due to glacial erosion .....  
 Glacial meltwater channel .....  
 Grooved and otherwise ice-flow-moulded bedrock .....  
 Glacial striae (direction of ice movement known, unknown) .....  
 Rose diagram of pebble long-axis orientation in till of St. George's River Drift, showing percentage of pebble sample within 20° orientation classes. (50) denotes pebble sample size .....  
 Fluted moraine surface .....  
 Drumlinoid drift hill .....  
 Ice-contact slope in kame moraine .....  
 Esker (direction of flow indicated by arrowheads) .....  
 Elevation of raised marine feature, in feet above HHWL ..... 95

- Bluff or limit of wave-reworking in till
- Delta, unmodified
- Delta, terraced by regressing sea level
- Beach ridge
- Submarine talus
- River terrace
- Shell occurrence

Geology by I.A. Brookes, 1964-1968  
To accompany Paper 73-40 by I.A. Brookes

This preliminary edition may be subject to revision or correction  
Geological cartography by the Geological Survey of Canada  
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada  
Base-map at the same scale published by the Surveys and Mapping Branch in 1959  
Copies of the topographical edition of this map may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa



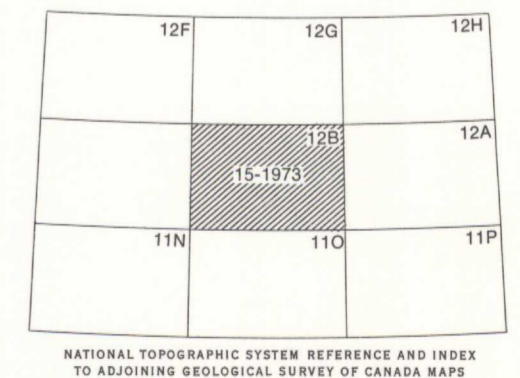
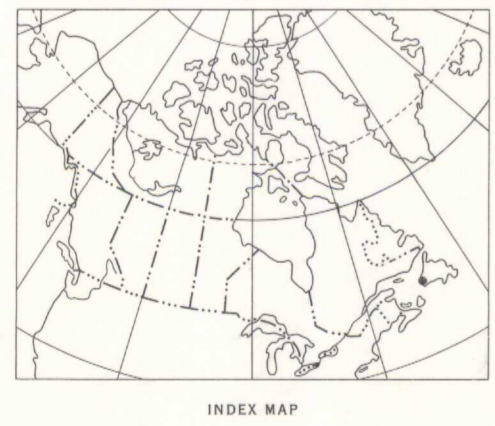
MAP 15-1973  
PAPER 73-40  
SURFICIAL GEOLOGY  
**STEPHENVILLE**  
NEWFOUNDLAND  
Scale 1:250,000

Miles 4 0 4 8 12  
Kilometres 6 0 6 12 18

Universal Transverse Mercator Projection  
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Magnetic declination 1973 varies from 26°29' westerly at centre of west edge to 26°53' westerly at centre of east edge. Mean annual change -3.5'

Elevations in feet above mean sea-level



STEPHENVILLE  
NEWFOUNDLAND