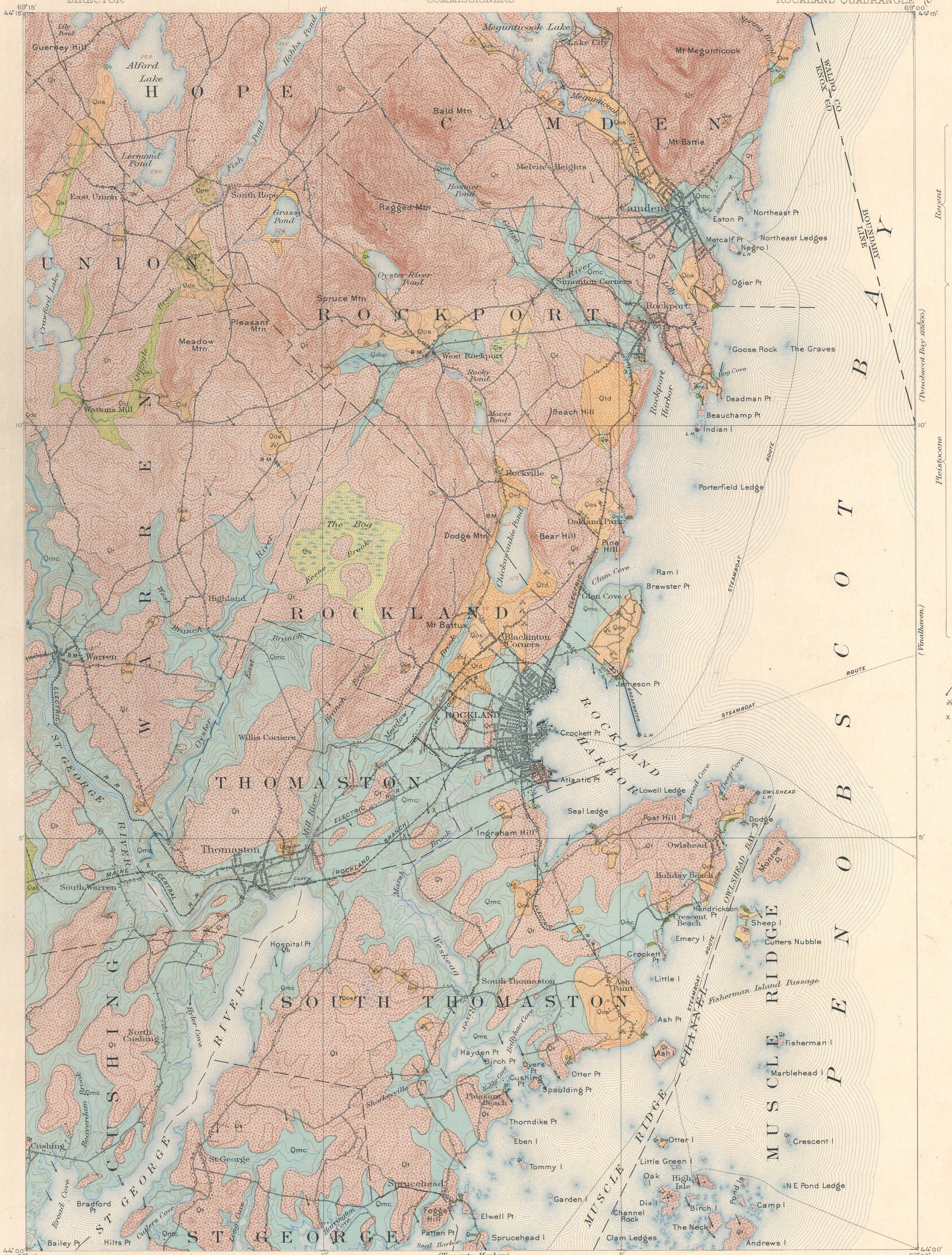


U.S. GEOLOGICAL SURVEY  
 GEORGE OTIS SMITH  
 DIRECTOR

**SURFICIAL GEOLOGY**  
 STATE OF MAINE  
 LESLIE A. LEE, WILLIAM ENGEL, C. S. HICHBORN  
 COMMISSIONERS

MAINE  
 (KNOX COUNTY)  
 ROCKLAND QUADRANGLE (Cosine)



**LEGEND**

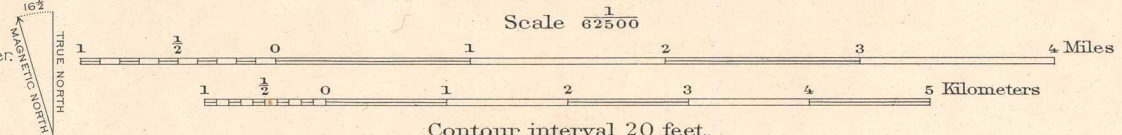
**SEDIMENTARY ROCKS**  
*(Areas of subaqueous deposits are shown by patterns of parallel lines, subaerial deposits by patterns of dots and circles)*

- Qal**  
Alluvium  
*(flood-plain silt and sand, often with some admixture of muck)*
- Qs**  
Swamp muck and peat
- Qb**  
Beach sand and gravel  
*(mostly marine)*
- Qmc**  
Marine clay  
*(fine gray to bluish clay in places mostly made free from pebbles and boulders)*
- Qld**  
Lacustrine deposits  
*(fine silt and sand)*
- Qos**  
Outwash sand and gravel  
*(delta, valley-train, and outwash deposits mostly stratified in part modified by marine agencies)*
- Qrd**  
Glacial till and stratified drift  
*(undifferentiated)*
- Qr**  
Glacial till and bare rock  
*(gray boulder clay, locally sandy and generally stony)*
- Qmt**  
Moraine till  
*(glacial till showing moraine topography)*

*Notes: Small islands are mostly bare rock with patches of silt.*

- ✓ *Glacial striae*
- ⊗ *Sand and gravel pits, except where silt is specified*
- ✕ *Good unworked exposure of clay*

H. M. Wilson, Geographer.  
 Harry Munroe, in charge of section.  
 Topography by U.S. Coast and Geodetic Survey and T. Foster Slaughter.  
 Triangulation by U.S. Coast and Geodetic Survey.  
 Surveyed in 1904.



Geology by Edson S. Bastin,  
 under the supervision of George Otis Smith.  
 Surveyed in 1905.  
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