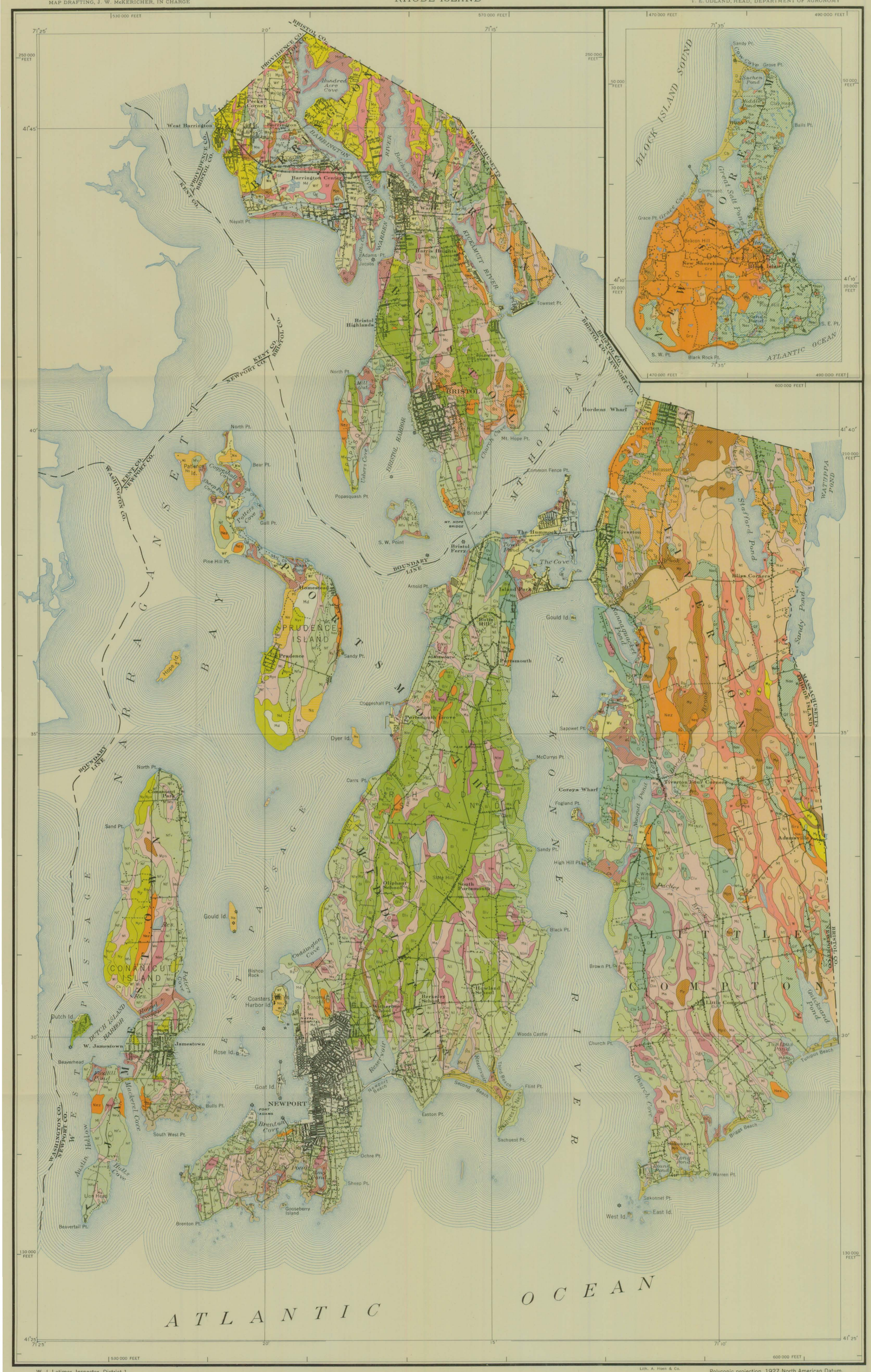
U. S. DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
E. C. AUCHTER, CHIEF
DIVISION OF SOIL SURVEY, CHARLES E. KELLOGG, CHIEF
MAP DRAFTING, J. W. McKERICHER, IN CHARGE

SOIL MAP

NEWPORT AND BRISTOL COUNTIES

RHODE ISLAND

RHODE ISLAND STATE COLLEGE
AGRICULTURAL EXPERIMENT STATION
B. E. GILBERT, DIRECTOR OF RESEARCH
T. E. ODLAND, HEAD, DEPARTMENT OF AGRONOMY



LEGEND

NONSTONY WELL-DRAINED TILL SOILS

SLATY TILL-UNDULATING TO GENTLY ROLLING
- Newport fine sandy loam — Nf
- Newport fine sandy loam, Level phase — Nfv
- Newport loam — Nl
- Newport loam, Level phase — Nlv

SLATY TILL-LESS AMOUNT OF DARK SLATES
- Bernardston loam — Bl
- Bernardston loam, Level phase — Blv

SLATY TILL-GREATER AMOUNT OF DARK SLATES
- Compton loam — Cl
- Compton loam, Level phase — Clv

SLATY TILL-SLOPING TO STEEP
- Newport loam, Slope phase — Nlz
- Newport loam, Steep phase — Nlz

SLATY TILL-LOAMY SANDS
- Newport loamy sand — Nd
- Newport loamy fine sand — Ny
- Newport loamy fine sand, Level phase — Nyv

MIXED TILL-CONGLOMERATES AND SANDSTONES
- Tiverton gravelly fine sandy loam — Tg
- Tiverton gravelly fine sandy loam, Level phase — Tgv
- Tiverton gravelly loam — Tl

GRANITIC TILL
- Gloucester fine sandy loam — Gf
- Narragansett fine sandy loam — Na
- Narragansett fine sandy loam, Level phase — Nav

WELL-DRAINED TO DROUGHTY SOILS OF THE OUTWASH PLAINS

SLATY OUTWASH
- Warwick sandy loam — Wa
- Merrimac loamy sand — Me
- Warwick gravelly fine sandy loam — Wg
- Merrimac sandy loam — Mm
- Warwick fine sandy loam — Wf
- Merrimac fine sandy loam — My
- Warwick very fine sandy loam — Wv

DROUGHTY SOILS OF THE KAMES

MIXED MATERIALS
- Quonset gravelly fine sandy loam — Qg

IMPERFECTLY DRAINED AND POORLY DRAINED SOILS

SLATY TILL
- Compton loam, Imperfectly drained phase — Clm
- Mansfield stony loam — Mt
- Newport loam, Imperfectly drained phase — Nlm
- Mansfield loam — Ml
- Mansfield silt loam — Ms

GRANITIC TILL
- Whitman stony loam — W
- Mansfield stony silty clay loam — Mc
- Whitman silty clay loam — Wc
- Mansfield silty clay loam — Ma

SLATY OR GRANITIC OUTWASH
- Scarboro fine sandy loam — Sf
- Scarboro loam — Sl

STONY WELL-DRAINED TILL SOILS

SLATY TILL
- Newport stony fine sandy loam — Ns

GRANITIC TILL
- Gloucester stony fine sandy loam — Gr
- Narragansett stony fine sandy loam — Nt

SLATY TILL-LESS AMOUNT OF DARK SLATES
- Bernardston stony loam — Bs

SLATY OR GRANITIC TILL-STEEP
- Gloucester stony fine sandy loam, Steep phase — Grz
- Newport stony loam, Steep phase — Nez

MIXED TILL-CONGLOMERATES AND SANDSTONES
- Tiverton stony gravelly fine sandy loam — Ts
- Tiverton stony gravelly fine sandy loam, Level phase — Tsv
- Tiverton stony fine sandy loam, Steep phase — Tfz

MISCELLANEOUS LAND TYPES

SWAMPS
- Muck and Peat — Mp
- Rough stony land — Rs
- Mps — Shallow phase

SALT WATER MARSHES
- Coastal beach — Cb
- Dune sand — D
- Peat, Salt-marsh phase — P
- Tidal marsh — T
- Made land — Md

FIRST BOTTOMS
- Alluvial soils (Undifferentiated) — A
- Unclassified city land — Uc

CONVENTIONAL SIGNS

CULTURE

(Printed in black)

- City or Village, Roads, Buildings, Wharves, Jetties, Breakwater, Levee, Lighthouse, Fort
- Secondary roads and Trails
- Railroads Steam and Electric
- Bridges, Ferry
- R.R. crossings, Tunnel
- Ford, Dam, Sawmill, Windmill
- Boundary lines
- School, Church, Creamery, Cemeteries
- Boundary lines
- Triangulation station, Boundary monument, Oil or Gas wells
- U.S. Township and Section lines, Recovered corners
- Forest fire station, Airway beacon, Oil or Gas tanks
- Transmission line, Oil or Gas pipe line
- Mine or Quarry, Rock outcrop, Made land
- Soil boundaries, Stony, Gravelly and Cherty areas

RELIEF

(Printed in brown or black)

- Contours, Depression contours
- Prominent hills, Mountain peaks
- Sand, Wash, and Sand dunes
- Bluff, Escarpment, Mine dumps

DRAINAGE

(Printed in blue)

- Streams, Springs, Wells, Flowing wells
- Lakes, Ponds, Intermittent lakes
- Unsurveyed and Intermittent streams
- Water pipe lines, Canals, Ditches, Flumes
- Swamp, Salt marshes
- Submerged marsh, Tidal flats

The above signs are in current use on the soil maps. Variations from this usage appear in some maps of earlier dates.

W. J. Latimer, Inspector, District 1.
Soils surveyed by A. E. Shearin, U. S. Department of Agriculture, in charge, and S. V. Madison and W. S. Colvin, Rhode Island Agricultural Experiment Station.

Scale 1/62500

1 ½ 0 1 2 3 4 Miles

1 ½ 0 1 2 3 4 5 Kilometers

Lith. A. Hoen & Co.

Polyconic projection, 1927 North American Datum.
Base map in part from U. S. Geological Survey sheets and U. S. Coast Survey charts.
10000 foot grid based upon Rhode Island system of plane coordinates.
Surveyed in 1935-36. Series 1936.