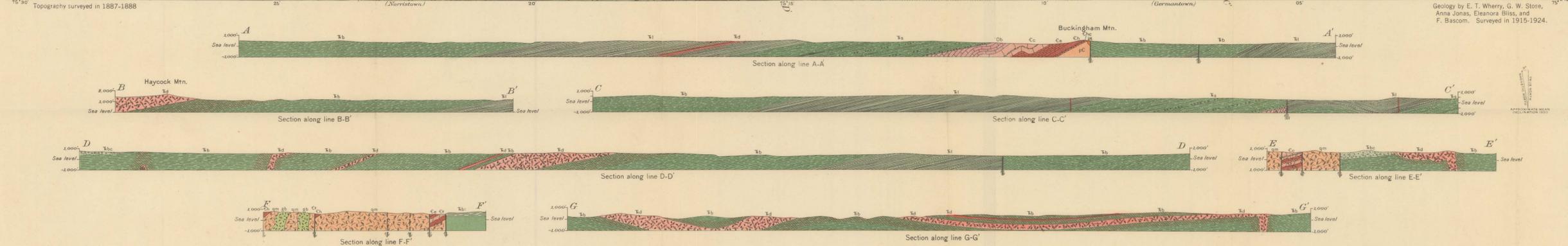


- EXPLANATION**
- SEDIMENTARY ROCKS**
- Mountain wash**  
(Pink-stained quartz pebbles and cobbles derived from conglomerate in Brunsvick formation)
  - Brunsvick formation**  
(Soft red shale and fine sandstone, locally metamorphosed by intruded diabase, etc. to hard gray bedded shale; coarse to fine quartzite conglomerate with red sand matrix, etc. at the northeast margin of formation)
  - Lockatong formation**  
(Hard dark-red, dark-gray, and black fine-grained argillaceous shale, argillite, and limestone; locally metamorphosed)
  - Stockton formation**  
(Chiefly yellow argillaceous sandstone with some coarse to fine-grained conglomerate and fine red argillaceous sandstone and shale; locally metamorphosed)
  - UNCONFORMITY**
  - Cocalico phyllite**  
(Chiefly dark phyllite with subordinate beds of quartzite, slate, and argillaceous sandstone)
  - UNCONFORMITY**
  - Beekmantown (?) limestone**  
(Chiefly light-blue massive limestone and dark fine-grained dolomite)
  - UNCONFORMITY**
  - Conococheague limestone\***  
(Massive blue limestone containing Crinoid stems and siliceous partings and light-blue dolomite with wavy argillaceous partings)
  - UNCONFORMITY**
  - Elbrook limestone**  
(Gray, finely laminated to shaly, earthy limestone with black shales)
  - UNCONFORMITY**
  - Tomstown dolomite**  
(Massive dark blue dolomite with some shales)
  - UNCONFORMITY**
  - Hardyston quartzite with conglomerate member**  
(Chc. at base)  
(Massive and thin-bedded fine-grained siliceous white quartzite with conglomeratic orbes at base)
  - UNCONFORMITY**
  - Graphitic gneiss**  
(Medium-grained quartz-feldspar gneiss with graphite and biotite flakes)
- IGNEOUS ROCKS**
- Diabase**  
(Light-gray medium to coarse grained crystalline rocks; Triassic rocks at base of dense dark rock)
  - Gabbro**  
(Gray to dark-green medium-grained rock, generally with some quartz; small areas of pegmatite, etc.)
  - Quartz monzonite**  
(Light-gray to buff medium-grained quartz-feldspar-lensolite-biotite crystalline rock)
- \* Part of Ozarkian system of E. O. Ulrich
- U — D —  
(U, upthrow; D, downthrow)
- Strike and dip of rocks
- Quarry or pit  
Ls. Limestone
- Abandoned quarry, mine, or prospect pit
- Economic note:**  
Quartz monzonite, gabbro, and diabase are suitable for building stone and crushed stone for road metal and concrete. Hardyston quartzite is quarried for building stone, and some beds distributed into building sand. Elbrook, Conococheague, and Beekmantown limestones have been locally quarried for road metal, building stone, lime and cement. Cocalico phyllite, limestone, and limestone from the Elbrook and other limestones are suitable for brick manufacture. Stockton, Lockatong, and Brunsvick formations, especially where hardened by diabase intrusions, are locally quarried for building stone and road metal. Sandy beds in the Stockton formation are dug for building sand and gravel; upper beds of the Stockton formation are quarried as formation, and hard beds in the Lockatong formation are used as flagstone; shaly beds of the Brunsvick formation are suitable for brick clay; iron ore, generally highly siliceous, occurs along faults.



GEOLOGIC MAP AND SECTIONS OF THE QUAKERTOWN AND DOYLESTOWN QUADRANGLES, PENNSYLVANIA-NEW JERSEY.

Scale 0 1 2 3 Miles

Contour Interval 20 feet

Datum is mean sea level

1931