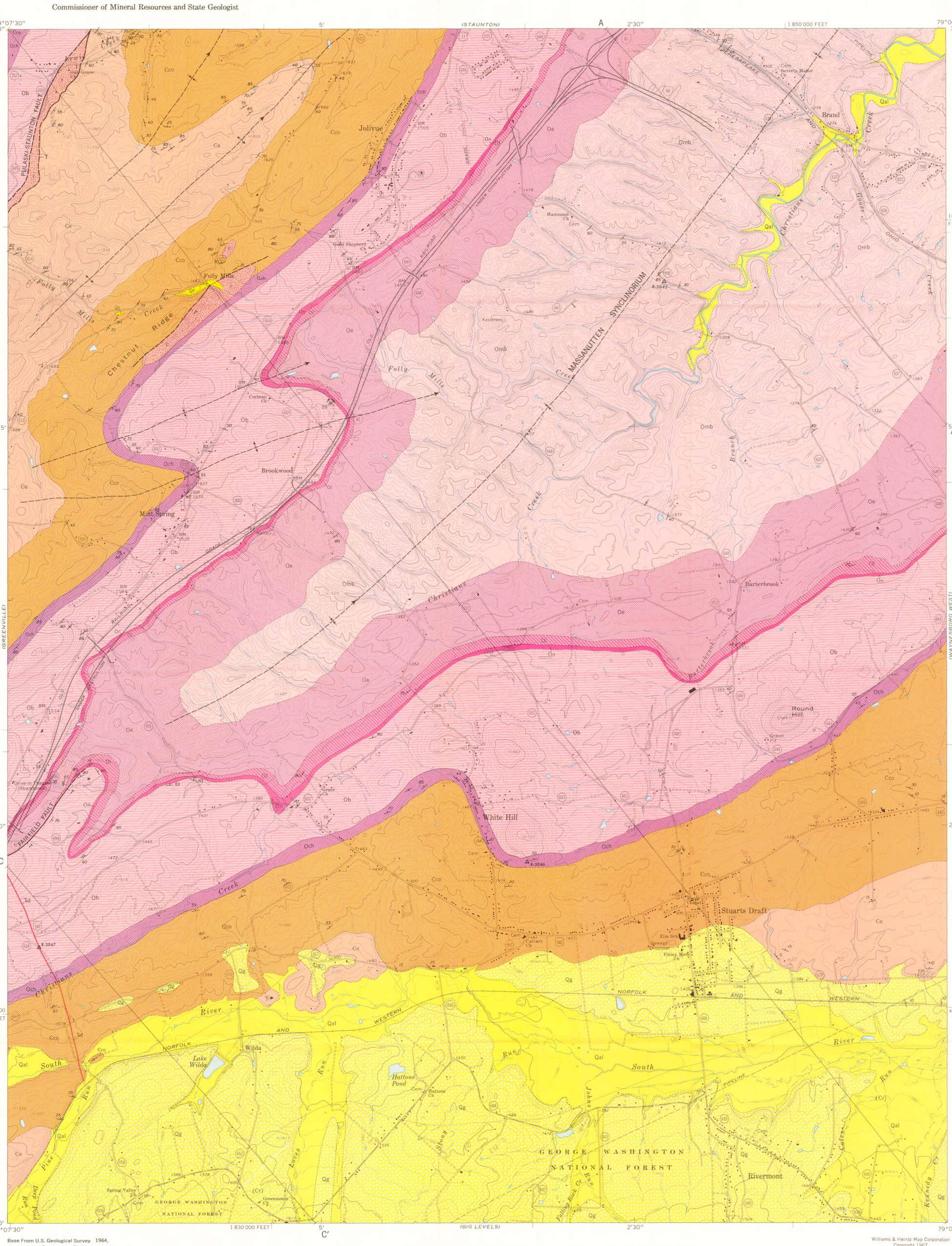
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT
DIVISION OF MINERAL RESOURCES
James L. Calver
Commissioner of Mineral Resources and State Geologist



Base From U.S. Geological Survey 1964, Stuarts Draft Quadrangle, 7½-Minute Series

Williams & Heintz Map Corporation
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GEOLOGIC MAP OF THE STUARTS DRAFT QUADRANGLE, VIRGINIA

Geology by Eugene K. Rader

1964 MAGNETIC DECLINATION

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET

QUADRANGLE LOCATION

1967

EXPLANATION

CENOZOIC — QUATERNARY

- **Qal** — Alluvium
- **Qg** — Terrace gravel
- **Qt** — Travertine

MESOZOIC — TRIASSIC

- **Td** — Diabase dike

PALEOZOIC — ORDOVICIAN

- **Omb** — Martinsburg Formation. *Olive-green to gray, subfissile shale and fine-grained, thin-bedded sandstone.*
- **Oe** — Edinburg Formation. *Dark-gray to black, argillaceous limestone and black fissile shale.*
- **Ol** — Lincolnshire Formation. *Dark-gray, finely crystalline limestone with nodules and stringers of black chert.*
- **On** — New Market Limestone. *Dove-gray, compact, thick-bedded limestone.*
- **Ob** — Beekmantown Formation. *Light- to dark-gray, fine-grained limestone, light-gray, fine-grained dolomite, and dark-gray recrystalline dolomite.*
- **Och** — Chepultepec Formation. *Bluish-gray to black limestone with black chert nodules; lower part contains siliceous laminae that are exposed in relief on weathered surfaces.*

CAMBRIAN

- **Ꞓco** — Conococheague Formation. *Bluish-gray limestone and light-gray dolomite with interbedded thin sandstone.*
- **Ꞓe** — Elbrook Formation. *Thin-bedded, argillaceous limestone and gray, fine-grained dolomite that commonly weathers to iron oxide stained slabs and thin plates.*
- **(Ꞓr)** — Rome Formation. *Red and green shale and greenish-gray, fine-grained dolomite, (covered by alluvium, Qal, and terrace gravel, Qg).*
- **f, c** — Breccia. *f, fault breccia, large blocks of dolomite, limestone, and shaly dolomite with crush conglomerate; c, collapse breccia, blocks of dolomite and limestone cemented by white dolomite.*

CONTACTS

exposed
approximate
covered

FOLDS

Anticline—approximate trace of axial plane and direction of plunge of axis
Syncline—approximate trace of axial plane and direction of plunge of axis

FAULTS

THRUST

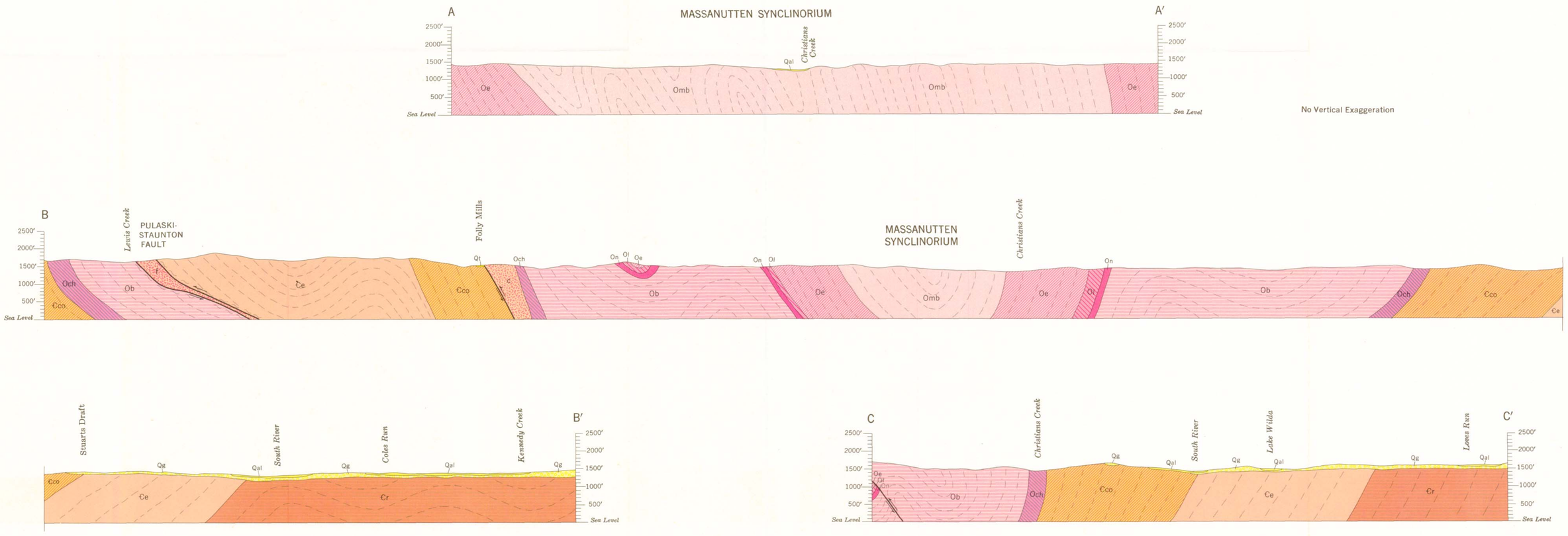
exposed
approximate
covered
T overthrust side

ATTITUDE OF ROCKS

Strike and dip of beds
Strike and dip of overturned beds
Strike of vertical beds

QUARRY

ABANDONED QUARRY
25. Lime quarry

SAMPLE LOCATIONS

R-3045 Locations of samples representative of various lithologies mapped.