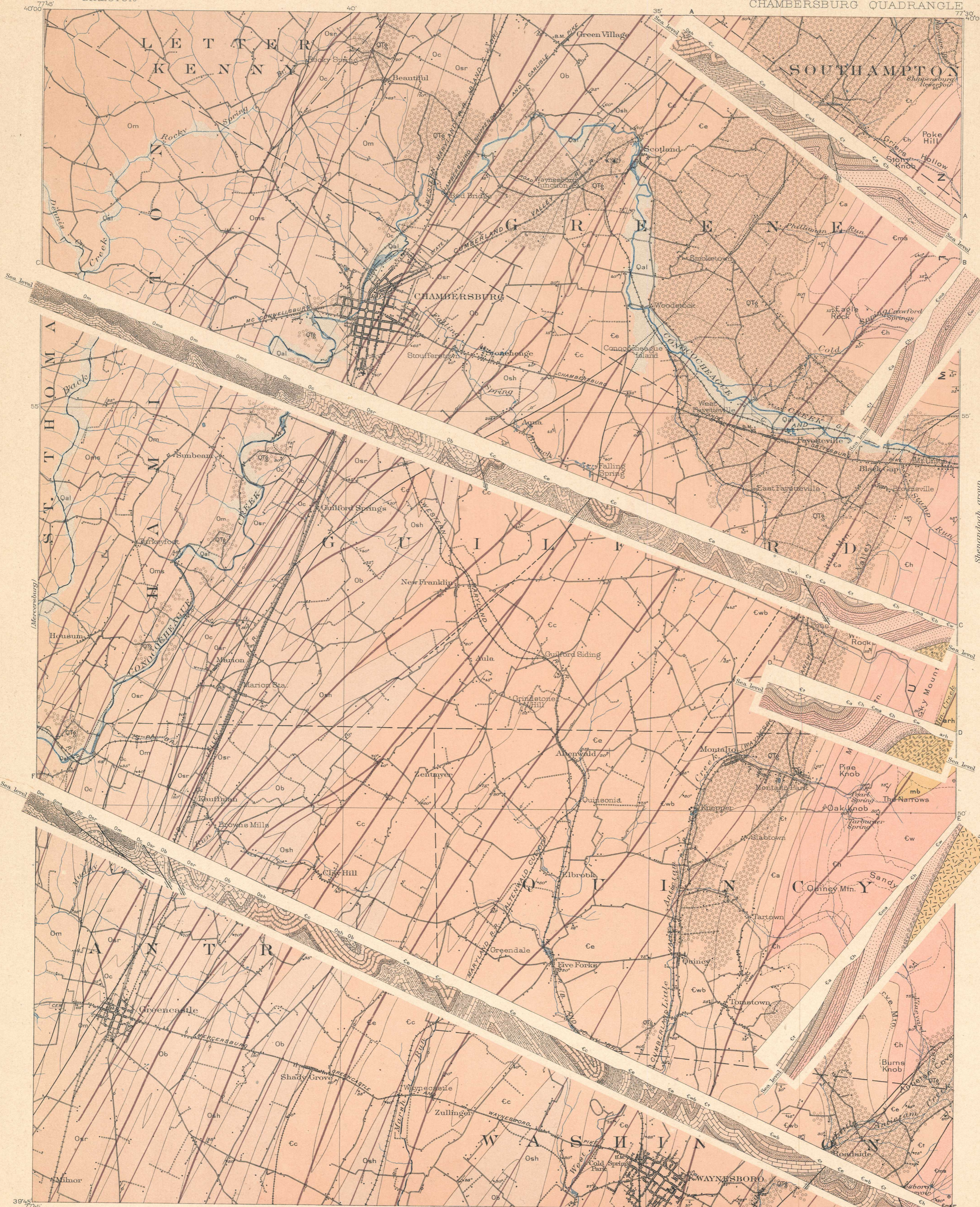


STRUCTURE SECTIONS

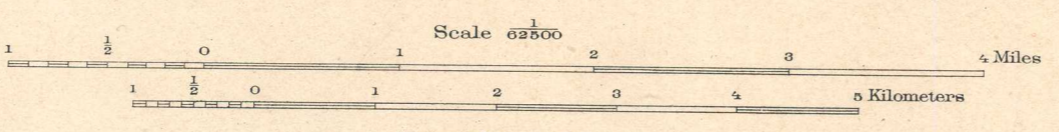


LEGEND

- SEDIMENTARY ROCKS**
- | | | |
|--------------------------------------|---|-------------------|
| Qal | Alhvim
(gravel and silt in valley bottoms) | QUATERNARY |
| OTg | Terrace gravels and wash
(coarse gravel and sand on stream terraces and at the foot of mountain slopes) | QUATERNARY |
| Oms
Om | Martinsburg shale
(black fissile shale and soft greenish, argillaceous sandstone, horstic sandstone beds, Oms, at the top) | TERTIARY |
| Oc
Ocr | Chambersburg limestone
(rather pure thin bedded fossiliferous limestone with argillaceous partings) | ORDOVICIAN |
| Osr
Osr | Stones River limestone
(very pure even-grained limestone with some magnesian beds) | ORDOVICIAN |
| Ob
Ob | Beekmantown limestone
(interbedded pure and magnesian limestones, at the base siliceous banded and conglomeratic Stones River members Osr) | ORDOVICIAN |
| Ec | Conococheague limestone
(dense dark limestone with numerous contorted sandy laminae at the base, very sandy beds with limestone conglomerate and shaly) | STENOGYAN SERIES |
| Ce | Elbrook formation
(light-gray shaly limestone and calcareous shale, with a few thick limestone beds) | ALCOCKIAN SERIES |
| Cwb | Waynesboro formation
(slabby sandstone, hard purple sandy shale, and limestone) | ALCOCKIAN SERIES |
| Ct | Tomstown limestone
(massive and thin bedded limestone and shale) | CAMBRIAN |
| Ca | Antietan sandstone
(coarse white sandstone and quartzite) | GEORGETOWN SERIES |
| Ch
Cma
Ch | Harpers schist and Montalto quartzite member
(dark banded slate or schist, with massive hard white quartzite member) | GEORGETOWN SERIES |
| Cw | Weyerton sandstone
(gray foliaceous sandstone and purple quartz conglomerate) | GEORGETOWN SERIES |
- IGNEOUS ROCKS**
- | | | |
|------------|---|--------------|
| arh | Aporhyolite
(disrupted Apollite lava, obsidian red or purple) | PRE-CAMBRIAN |
| mb | Metabasalt
(basalt flows altered to greenstone) | PRE-CAMBRIAN |
- Faults**
- Concealed faults (covered by surficial deposits)
 - 45° Strike and dip of stratified rocks
 - Strike of vertical strata
 - Horizontal strata
- Other Symbols:**
- Axes of anticlines and synclines (heavy lines are anticlines, light lines are synclines)

H. M. Wilson, Geographer in charge.
 Triangulation by Sledge Tatum.
 Topography by Robt. D. Cummin and Second Geol. Survey of Pa.
 Surveyed in 1900 in cooperation with the State of Pennsylvania.

APPROXIMATE MEAN DECLINATION 1902.



Edition of April 1909.

Geology by George W. Stose.
 Surveyed in 1901-07.