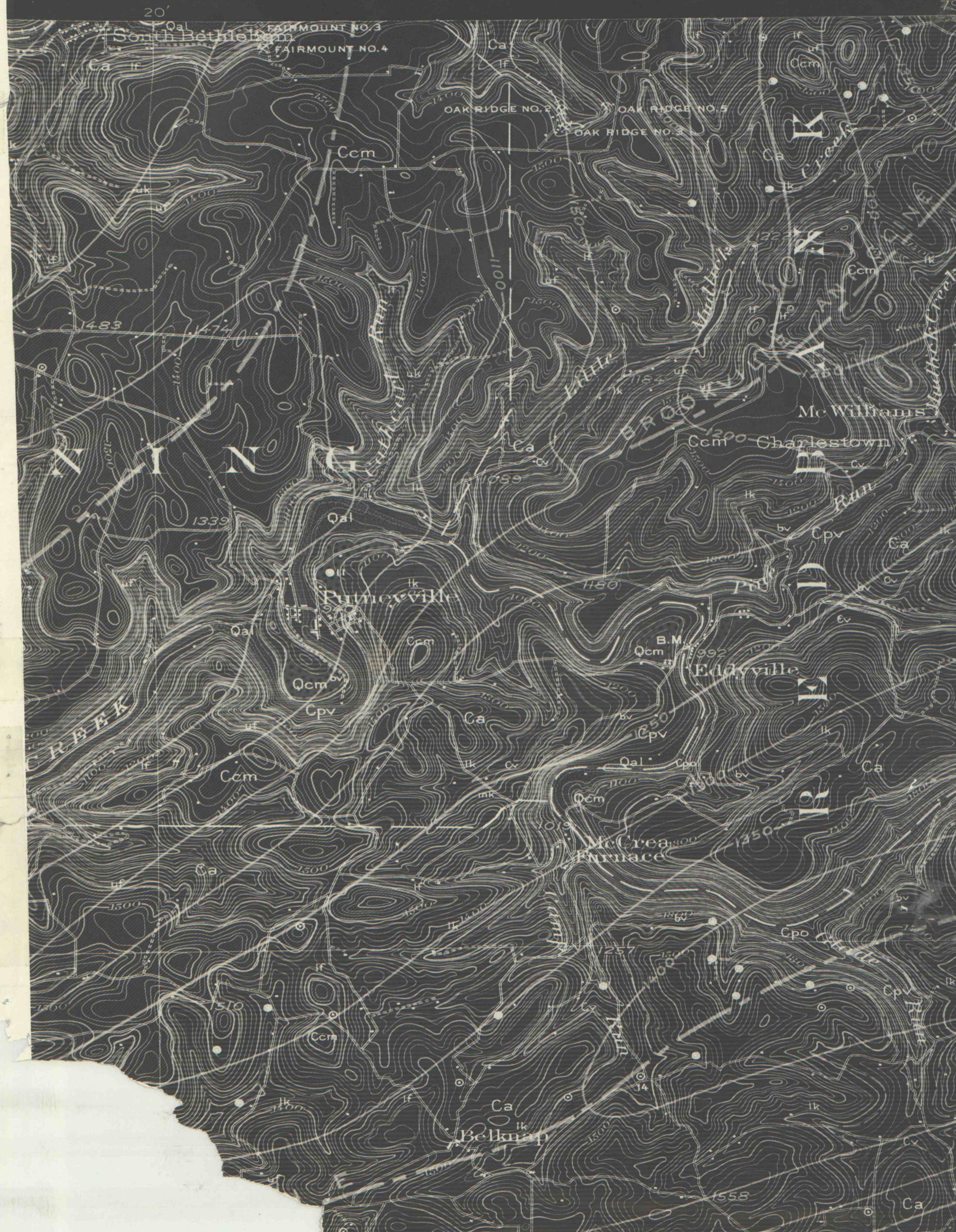


# GEOLOGY

## PENNSYLVANIA RURAL VALLEY QUADRANGLE



## LEGEND

### SEDIMENTARY ROCKS

(Areas of subaqueous deposits are shown by patterns of parallel lines; subaerial deposits by patterns of dots and circles)

**Qal**

Alluvium  
(in flood plains of present streams)

**Qg**

Glacial gravel  
(outwash gravel and silt of Kansan or pre-Kansan age)

**Qcm**

Carmichaels formation  
(gravel and silt of local derivation; Kansan or pre-Kansan age)

**Ccm**

Conemaugh formation

(sandy shale and coarse sandstone with a few thin beds of limestone and coal; some red clay shale beds give color to the soil)

**Ca**

**Cv**

Allegheny formation and Vanport limestone lentil

(shale with thin to massive sandstones and limestone lentil; several valuable beds of coal, fire clay, and iron ore; Upper Freeport coal at the top)

**Cpv**

Pottsville formation

(coarse sandstone or conglomerate, sometimes massive, with shale and thin coal seams)