

FIGURE 4. VERTICAL SECTION AND HORIZONTAL PROJECTION, PIEDMONT MINE, CAMPBELL COUNTY.

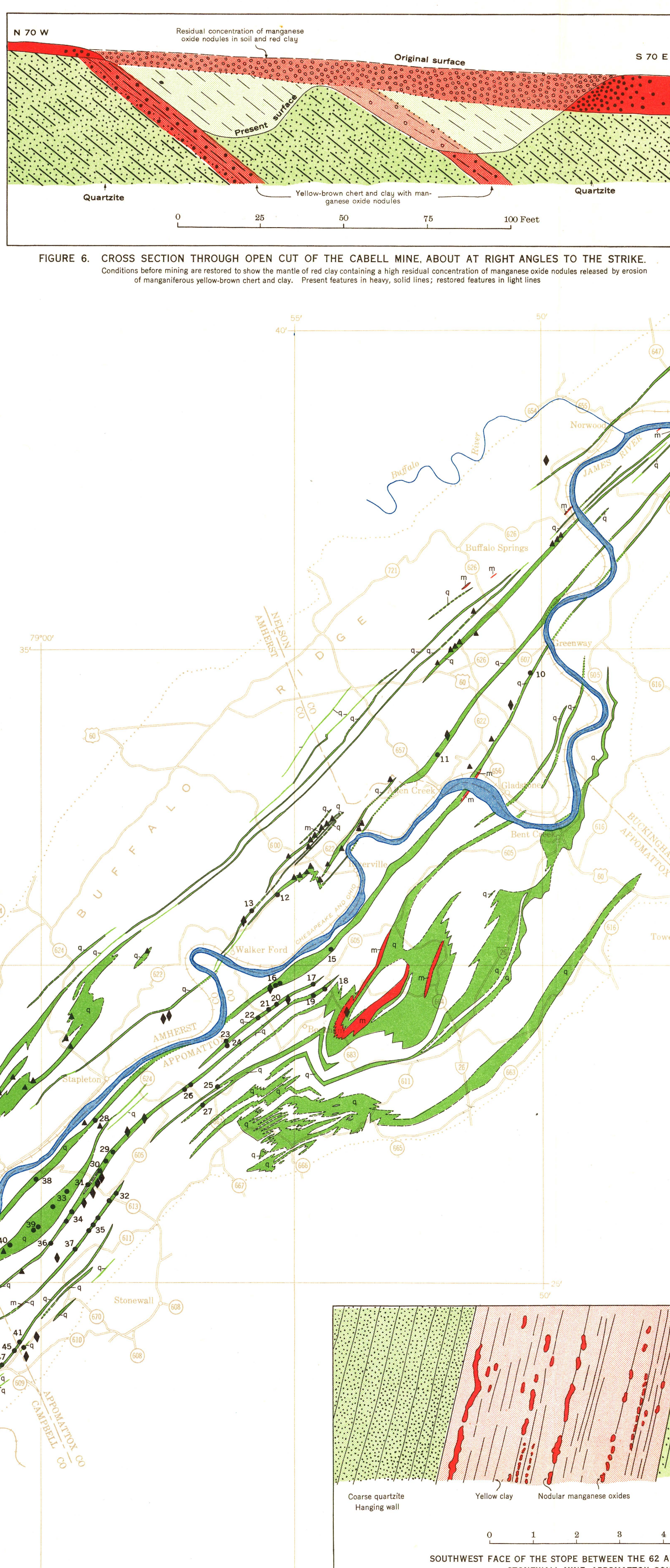


FIGURE 5. VERTICAL SECTION AND LONGITUDINAL PROJECTION, SAUNDERS MINE, CAMPBELL COUNTY.



FIGURE 6. CROSS SECTION THROUGH OPEN CUT OF THE CABELL MINE, ABOUT AT RIGHT ANGLES TO THE STRIKE.

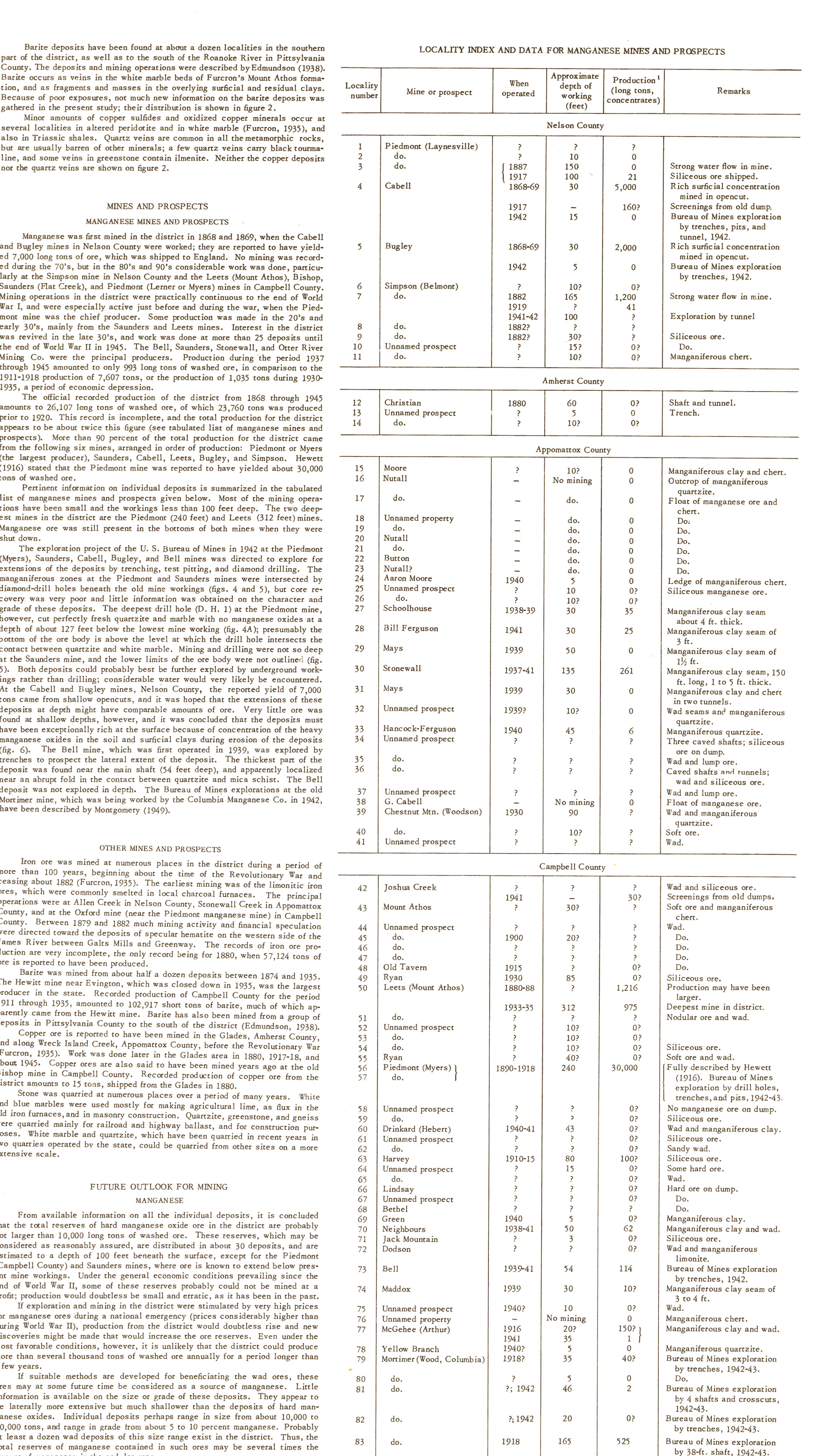


FIGURE 7. TYPICAL CLAY SEAM WITH NODULAR MANGANESE OXIDES BETWEEN WALLS OF QUARTZITE AND SCHIST.

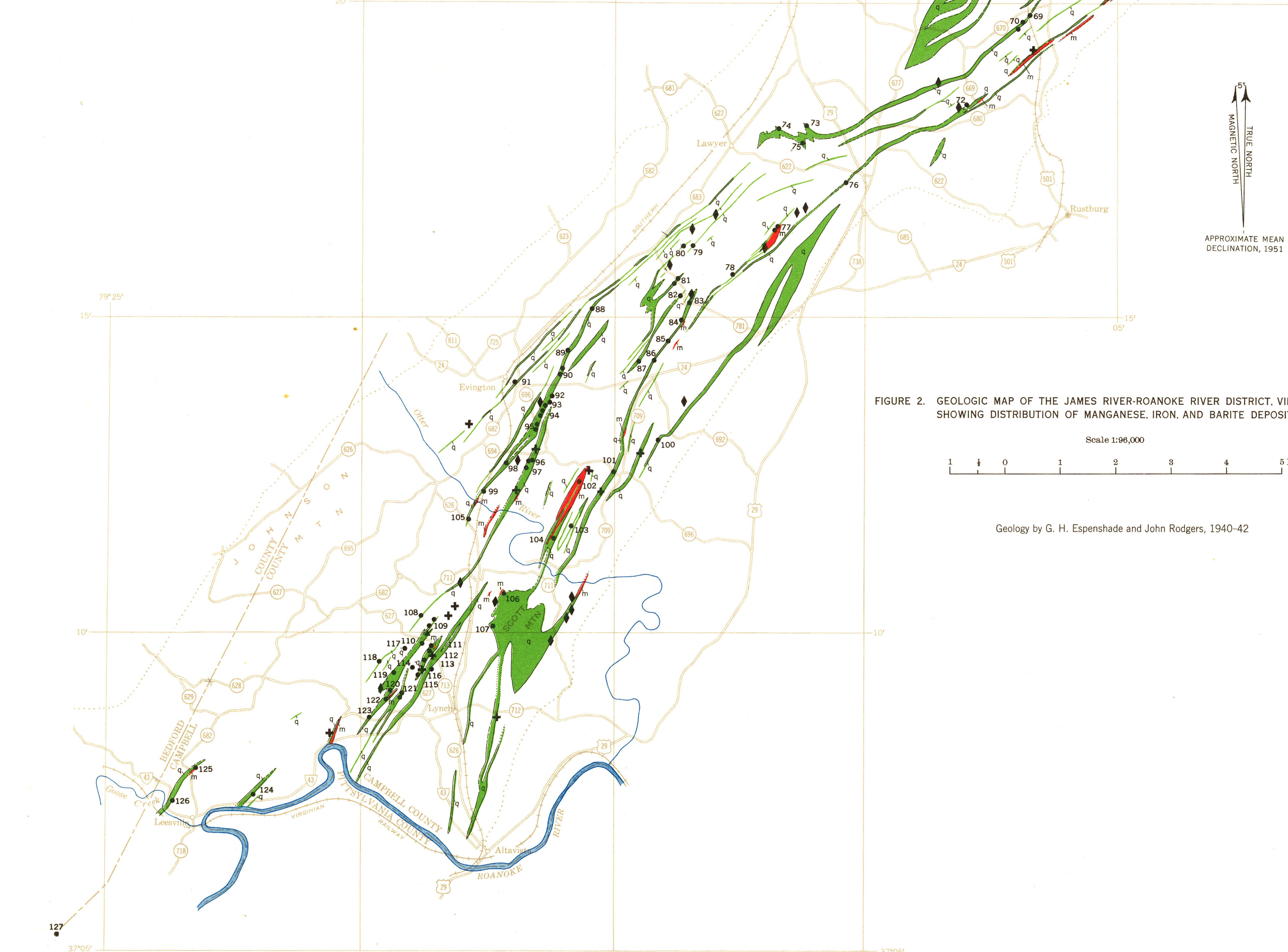


FIGURE 8. MAP OF THE JAMES RIVER-ROANOKE RIVER DISTRICT, VIRGINIA, SHOWING THE GEOLOGIC DISTRIBUTION OF MANGANESE, IRON, AND BARITE DEPOSITS.

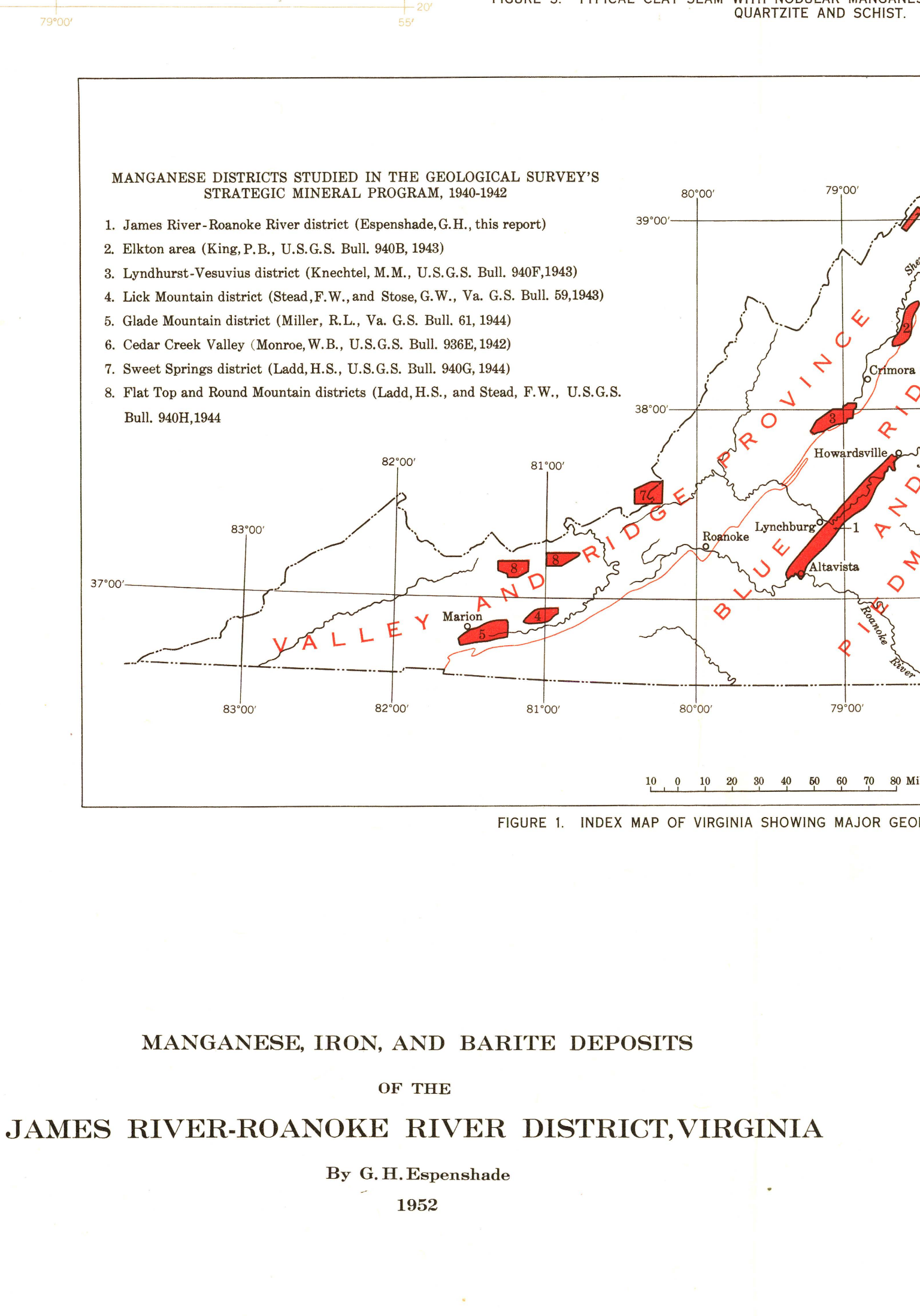


FIGURE 9. INDEX MAP OF VIRGINIA SHOWING MAJOR GEOLOGIC PROVINCES.

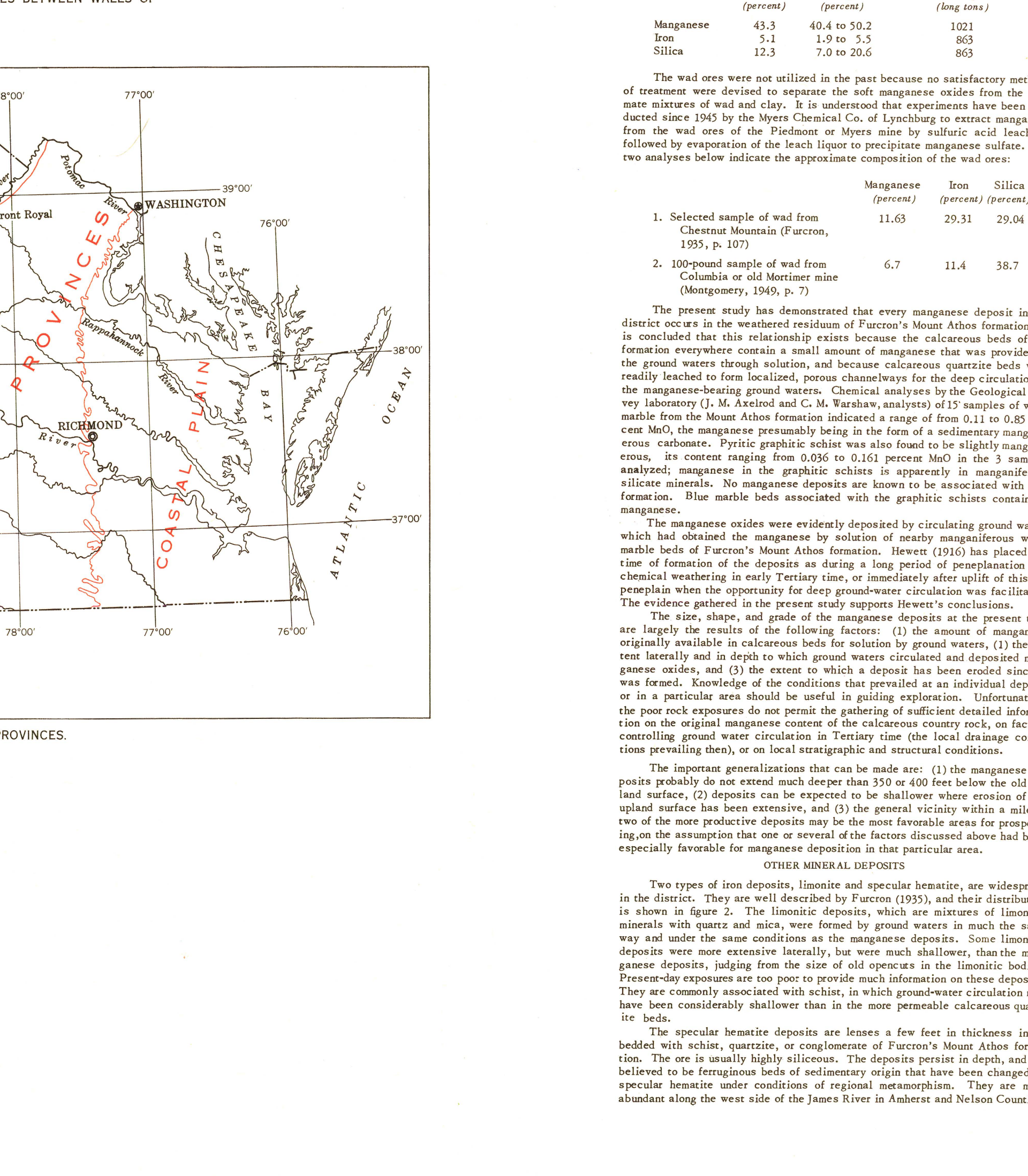


FIGURE 10. MAP OF THE JAMES RIVER-ROANOKE RIVER DISTRICT, VIRGINIA, SHOWING THE GEOLOGIC DISTRIBUTION OF MANGANESE, IRON, AND BARITE DEPOSITS.

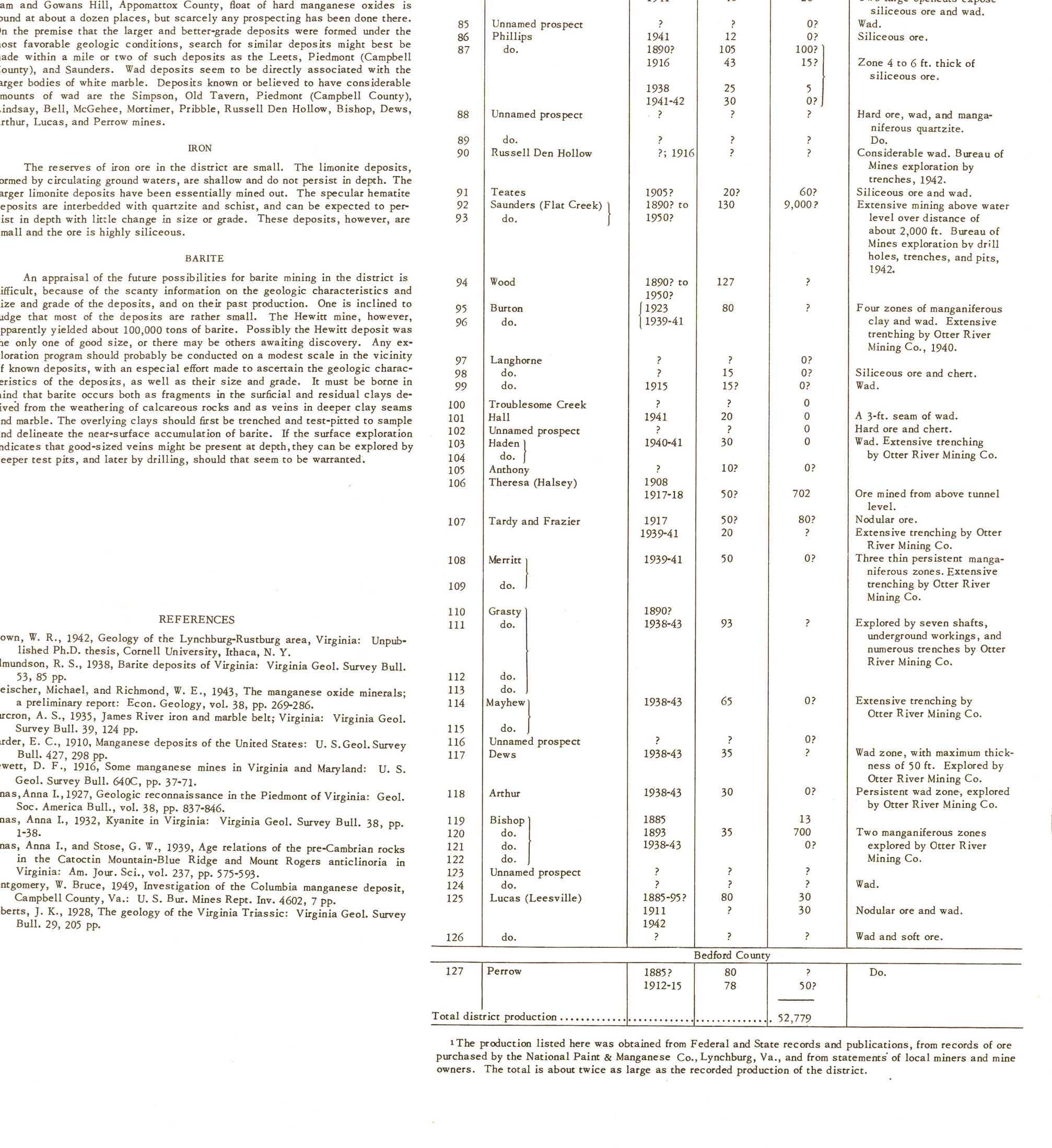


FIGURE 11. MAP OF THE JAMES RIVER-ROANOKE RIVER DISTRICT, VIRGINIA, SHOWING THE GEOLOGIC DISTRIBUTION OF MANGANESE, IRON, AND BARITE DEPOSITS.