GEOLOGICAL SURVEY

A. SECTION THROUGH DRILL HOLE 4

Manganeseiferous zone exposed 30 ft S.W. of section line
Approximate position of tunnel; manganeseiferous zone mined above
Manganeseiferous zone identified from dark brown sludge; no core recovered

C. SECTION THROUGH DRILL HOLE 6

Manganeseiferous zone said to be mined to N.E. of shaft;
7 carloads of washed ore are said to have been produced from workings;
S.W. of section line
Hole bottomed in cavity in marble

B. SECTION THROUGH DRILL HOLE 5

Manganeseiferous zone exposed 70 ft S.W. of section line, quartzite 15 ft N.E.
Approximate position of tunnel; manganeseiferous zone mined above
Manganeseiferous zone identified mainly from dark brown sludge, and core of
3 small pieces of chert

D. SECTION THROUGH DRILL HOLE 7

Manganeseiferous zone identified from dark brown sludge, and few small core fragments
of manganese oxides and chert

EXPLANATION

- Brown, micaceous marble
- Quartz-mica schist, with some quartzite
- Quartzite, with some quartz-mica schist
- Ferruginous mica schist with specular hematite, marlrite, and magnetite
- Ton muscovite schist with biotite porphyroblasts
- Manganeseiferous zone, identified mainly from dark brown drill sludge

Diagonal-drill holes by U.S. Bureau of Mines, 1942
Drill core and sludge logged by G.H. Espenshade

VERTICAL SECTIONS THROUGH DRILL HOLES, SAUNDERS MINE, CAMPBELL COUNTY, VIRGINIA