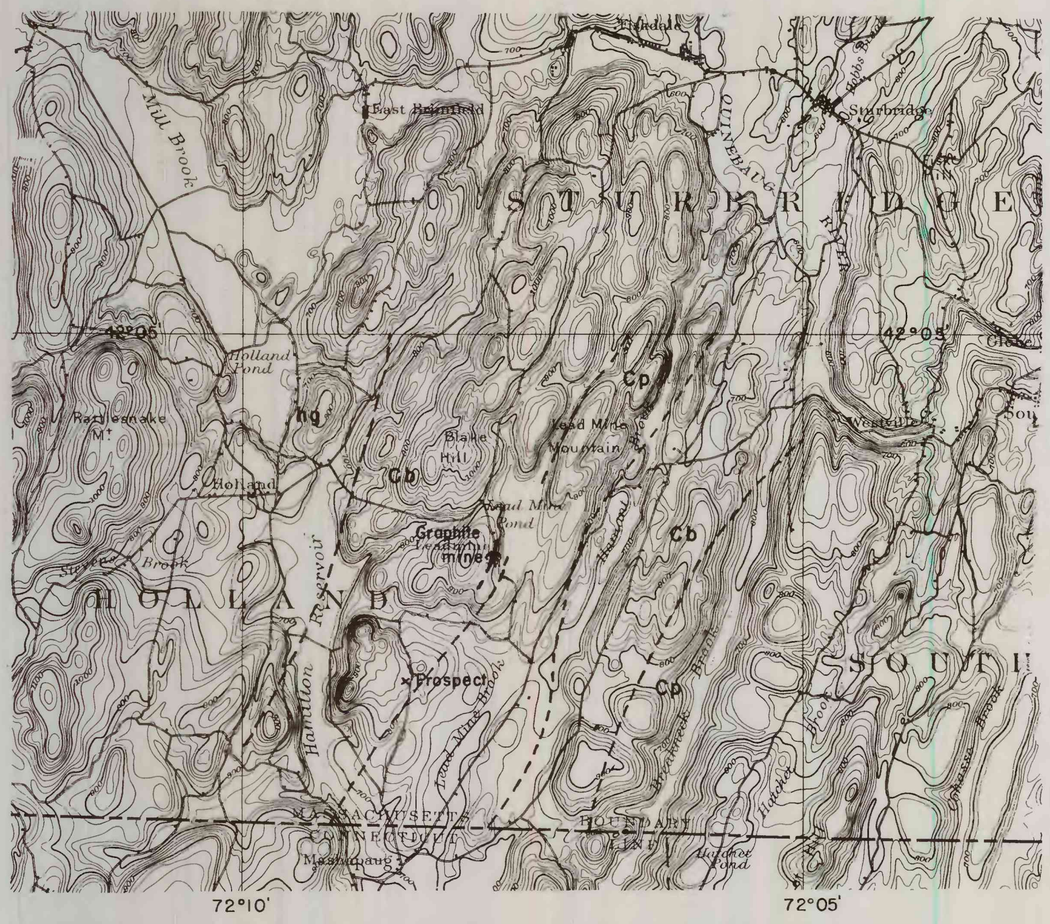


FIGURE 1.

GEOLOGIC MAP OF STURBRIDGE GRAPHITE AREA
MASSACHUSETTS

Modified from B.K. Emerson, U.S.G.S. Bull. 597, 1917.

Cb Brimfield schist

Cp Paxton quartz schist

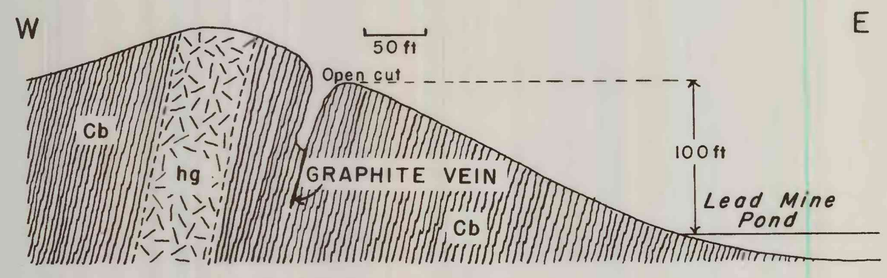
hg Hubbardston pegmatitic granite, intrusive into Cb and Cp.

0 1 2 3 4
Scale of Miles

South-central part of Brookfield, Mass.-Conn. quadrangle map

FIGURE 2

GENERAL GEOLOGIC RELATIONSHIPS AT STURBRIDGE GRAPHITE MINE



Cb Brimfield schist, pyritic

hg Hubbardston granite, porphyritic

FIGURE 3

COMPOSITE SECTION ACROSS GRAPHITE VEIN NEAR LEAD MINE POND

0 2 4
Scale in feet

Graphite vein, estimated 50% graphite

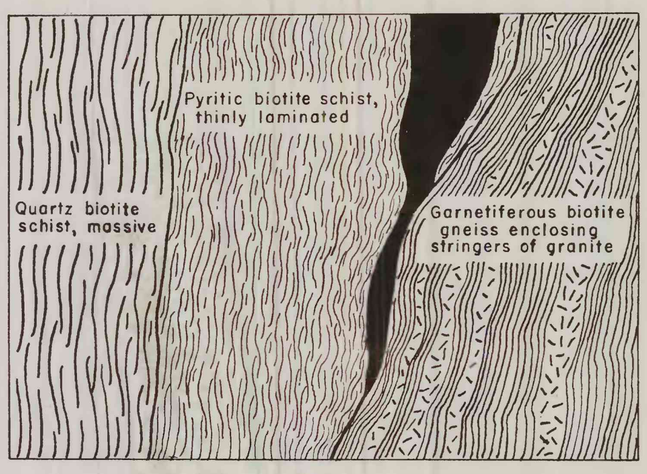


FIGURE 4

SECTION ALONG TRENCH B AT COZZENS PROSPECT

10 feet

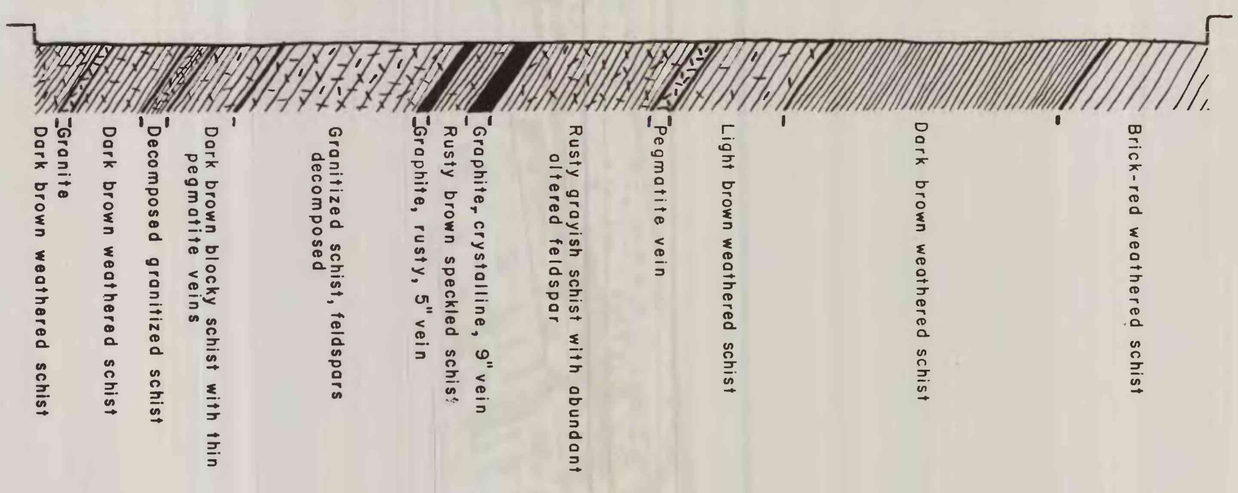
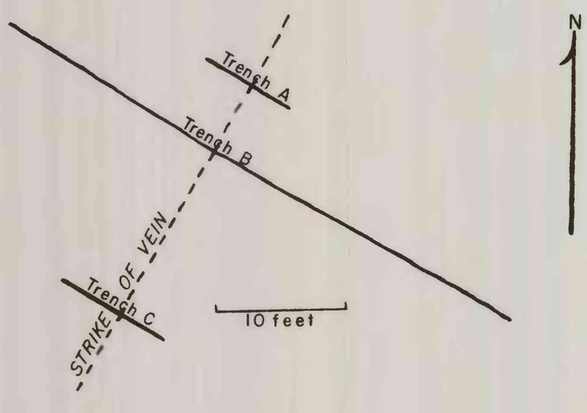
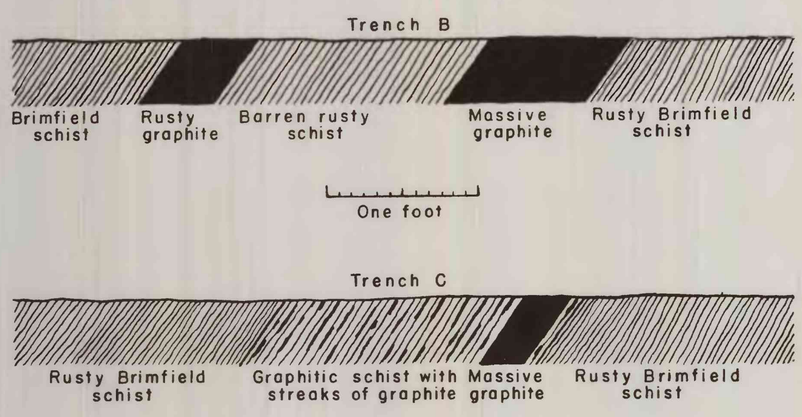


FIGURE 5

LOCATION OF TRENCHES ACROSS GRAPHITE VEIN, COZZENS PROSPECT



SECTIONS ACROSS GRAPHITE VEIN



MAP OF GRAPHITE VEIN COZZENS PROSPECT Town of Holland, Massachusetts

Porous, rusty graphite with some biotite mica

Rusty graphite with pockets of massive black graphite

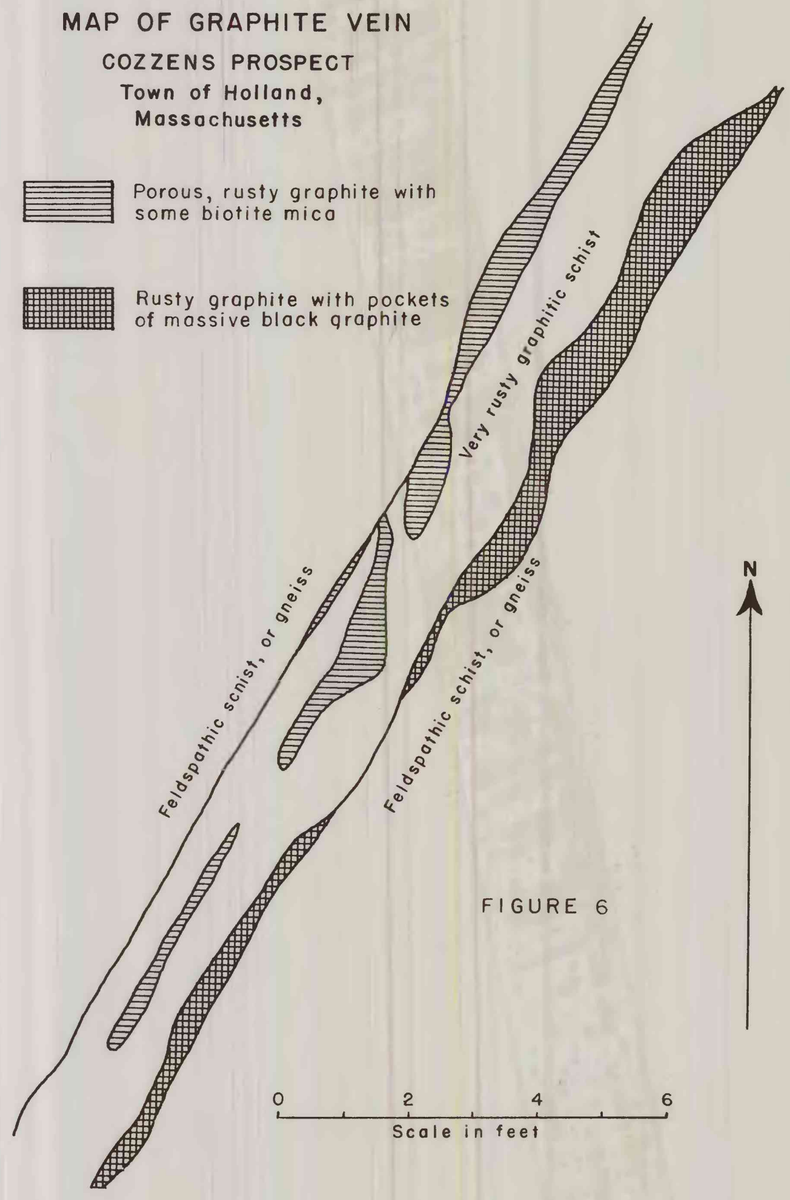


FIGURE 6