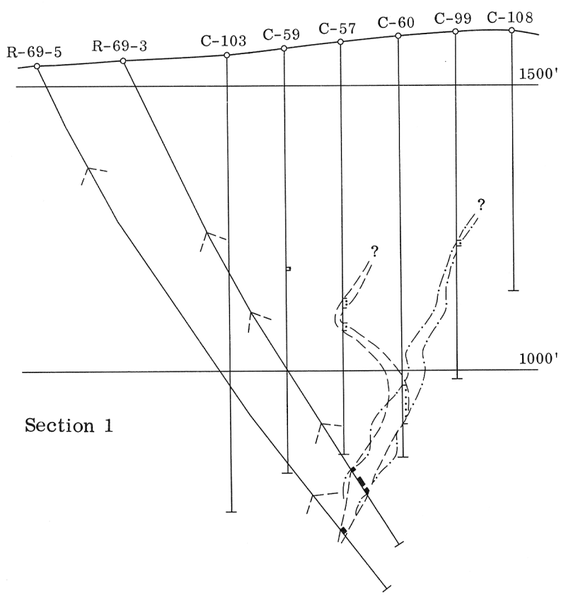
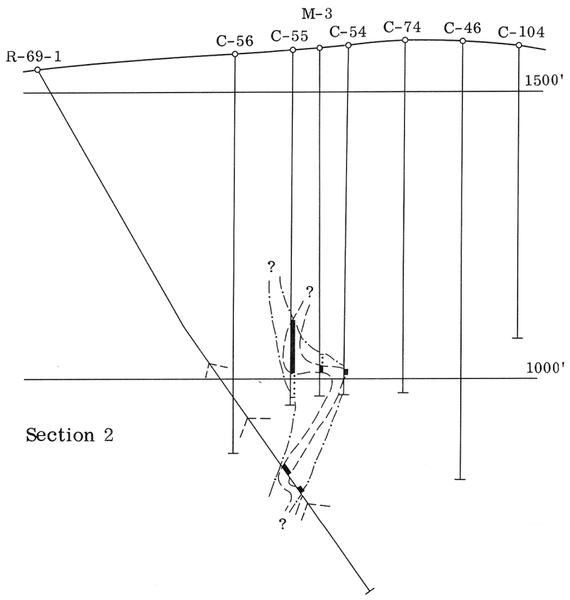
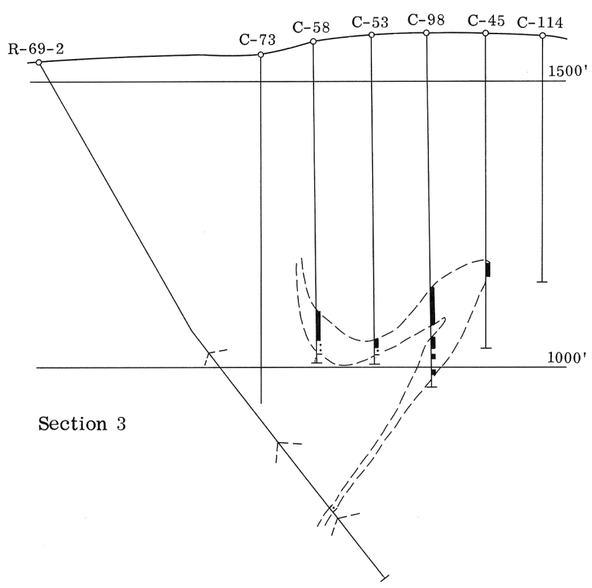
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES



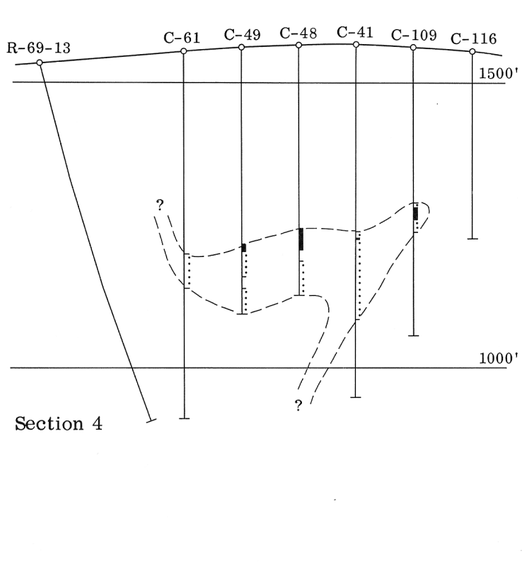
Section 1



Section 2

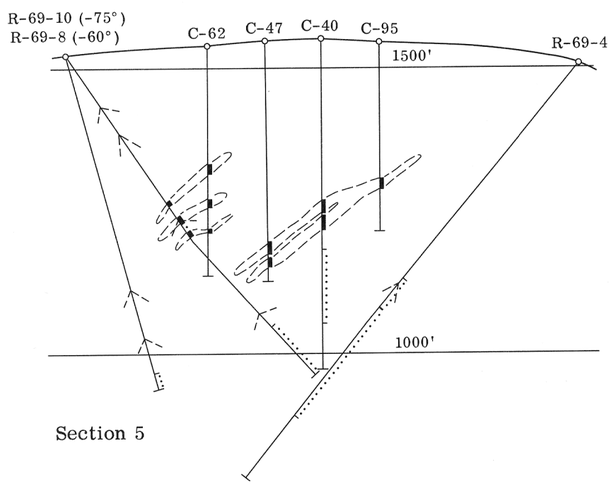


Section 3

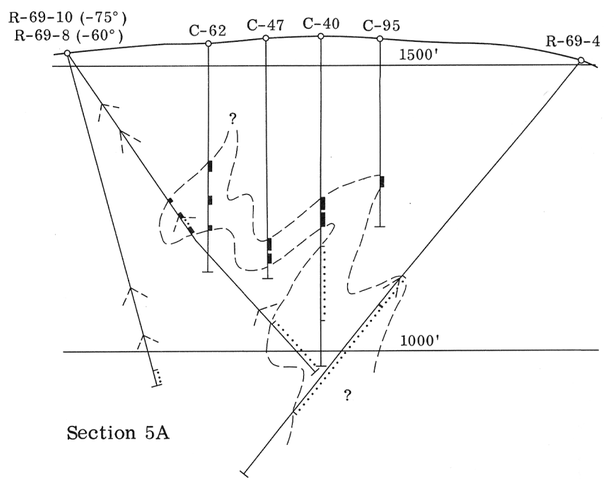


Section 4

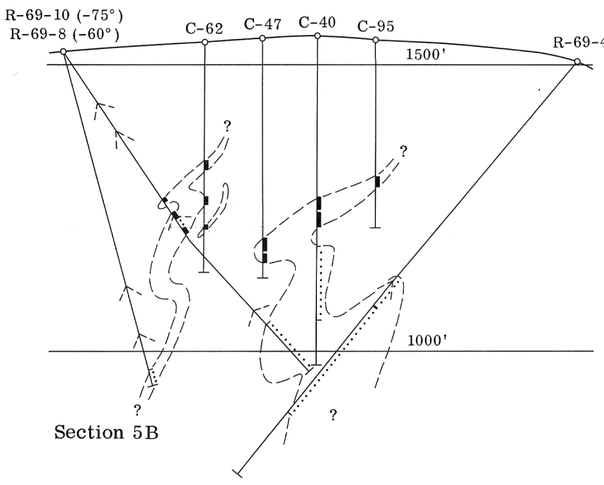
Sections 1-4. Possible configurations of orebody using the assumption that ore is stratiform and that massive sulphides grade laterally into zones of disseminated sulphides. Overall dip of sulphide zone appears to be steep and to conform to the orientation of S_1 on the surface. S_2 is axial planar to folds of S_1. The sense of asymmetry of folds is compatible with relationship of S_1 and S_2. Steep dip of sulphide layer is confirmed by the ore intersection of the inclined drillholes of the R-69 series.



Section 5



Section 5A



Section 5B

Sections 5, 5A, 5B. Three different interpretations of one section. 5 is drawn by joining the intersections of massive ore in the different holes. The dip of the ore layer is not compatible with the dip of S_1 measured in the inclined holes but is parallel with S_2. 5A cross-section based on assumption that there is only one major sulphide bearing zone. S_2 is axial planar to the folds of S_1. 5B cross-section based on assumption of more than one sulphide bearing layer.

Massive sulphides . . . . . ▬▬

Disseminated sulphides . . . . . ┈┈┈

Pecked lines indicate dip of S_1 in relation to drill-core . . . . . ⟋

S_1 cleavage (vertical, inclined) . . . . . ⟋ ⟋

S_2 crenulation cleavage (inclined, horizontal) . . . . . ⟋ ⟋

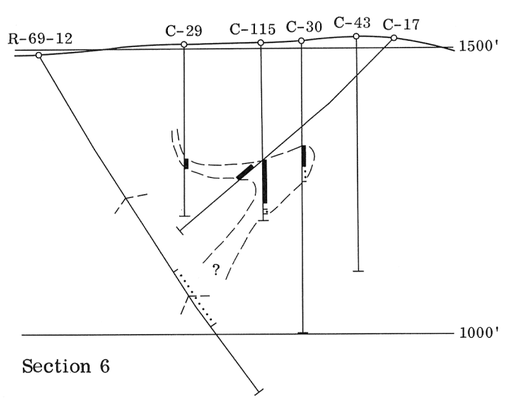
L_3 crenulation axis on S_2, ... ⟋

Orientation of S_1 and S_2 on the surface exposures can be seen on the drill-hole plan

Scale of feet (drill-hole plan)

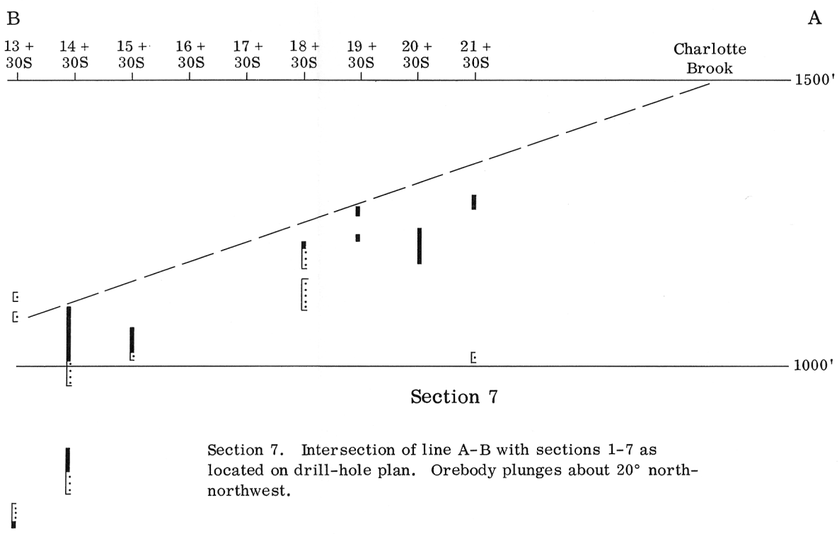
0 400 800

To accompany GSC Paper 70-28, by H. Helmstaedt



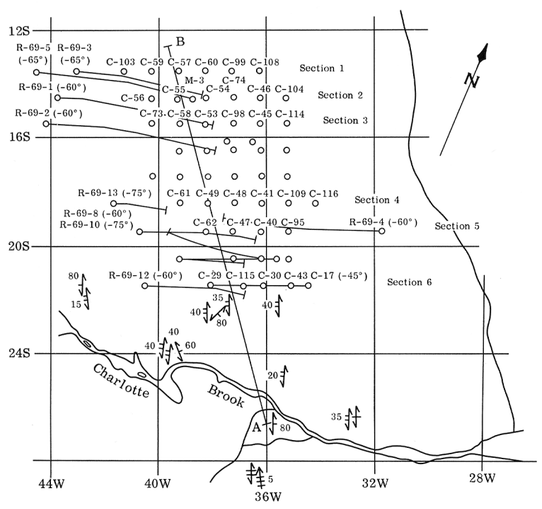
Section 6

Section 6. One folded ore-layer. Intersection in hole C-29 may belong to different layer, similarly as in sections 5 and 5B.



Section 7

Section 7. Intersection of line A-B with sections 1-7 as located on drill-hole plan. Orebody plunges about 20° north-northwest.



Drill-hole plan

Logs and sections, courtesy of Restigouche Mining Corporation Limited

Published. 1971

Printed by the Surveys and Mapping Branch

Figure 15. Interpretations of cross-sections through the Restigouche deposit at Charlotte Brook, New Brunswick, based on drill logs and some surface data.