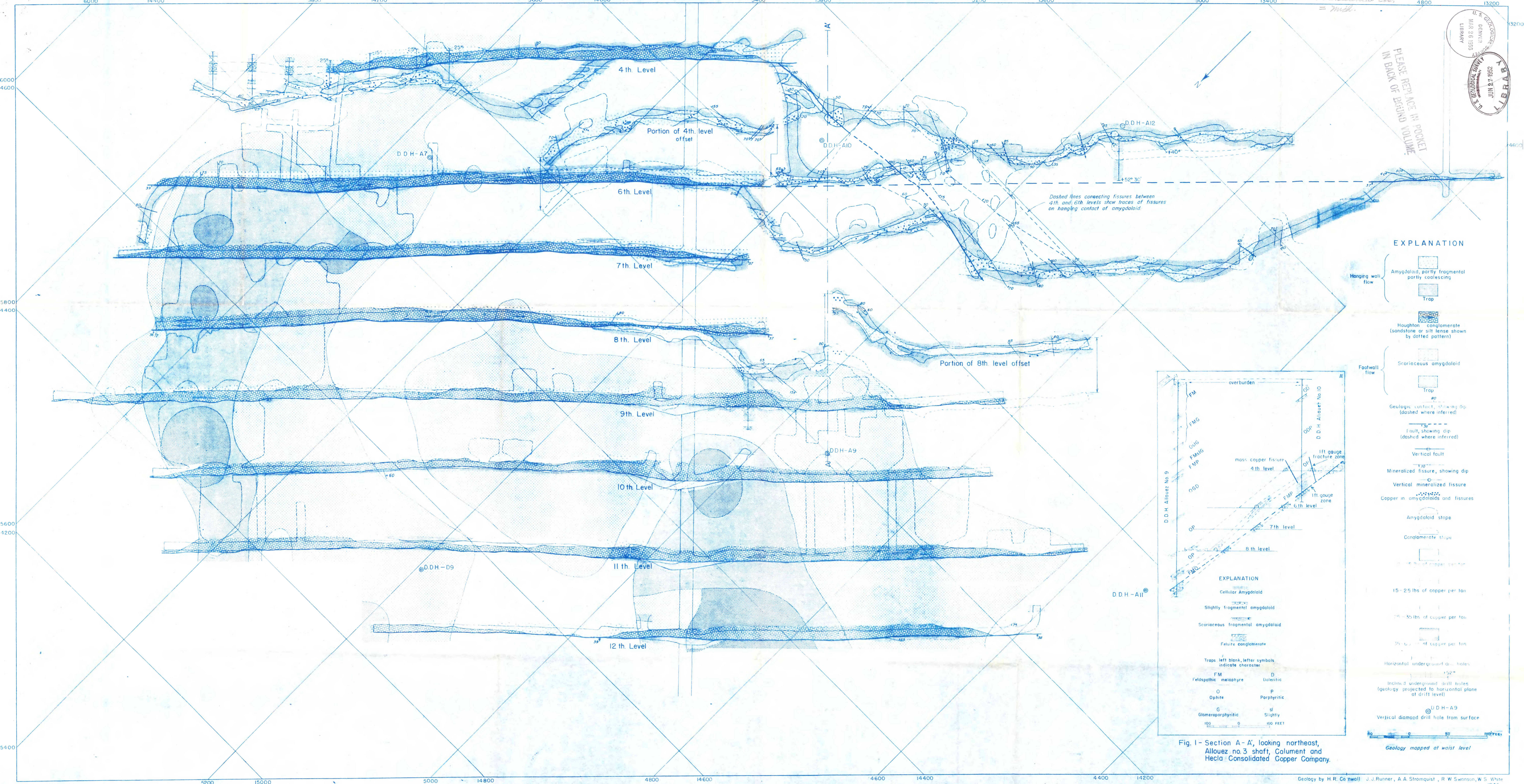


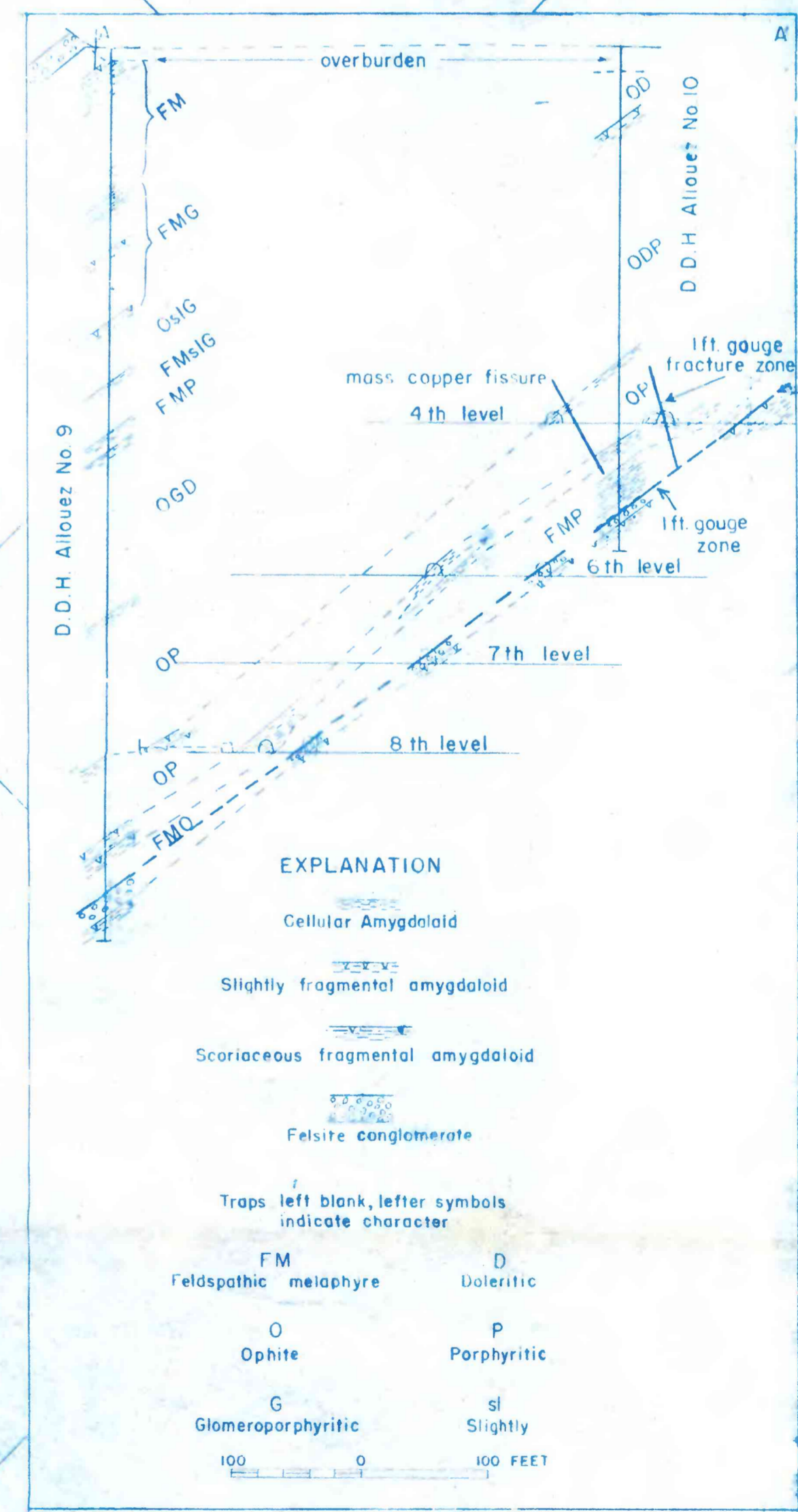
(300)
R295
No. 50-4
Bryce Houghton
+ Kinsman Co.
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PLEASE REPEACE IN POCKET
IN BACK OF BRAND NUMBER



EXPLANATION

- Hanging wall flow
 - Amygdaloid, partly fragmental partly coalescing
 - Trap
- Houghton conglomerate (sandstone or silt lenses shown by dotted pattern)
- Footwall flow
 - Scoriaceous amygdaloid
 - Trap
- Geologic contact, showing dip (dashed where inferred)
- Fault, showing dip (dashed where inferred)
- Vertical fault
- Mineralized fissure, showing dip
- Vertical mineralized fissure
- Copper in amygdaloids and fissures
- Amygdaloid slope
- Conglomerate slope
- 15-25 lbs of copper per ton
- 25-35 lbs of copper per ton
- 35-50 lbs of copper per ton
- Horizontal underground drill holes
- Inclined underground drill holes (geology projected to horizontal plane at drill level)
- Vertical diamond drill hole from surface



EXPLANATION

- Cellular Amygdaloid
- Slightly fragmental amygdaloid
- Scoriaceous fragmental amygdaloid
- Felsite conglomerate
- Traps left blank, letter symbols indicate character
- FM Feldspathic melaphyre
- O Ophite
- G Glomeroporphyritic
- D Doleritic
- P Porphyritic
- SI Slightly

Fig. 1- Section A-A, looking northeast, Allouez no.3 shaft, Calumet and Hecla Consolidated Copper Company.

GEOLOGIC PLAN OF THE ALLOUEZ No. 3 SHAFT
CALUMET AND HECLA CONSOLIDATED COPPER COMPANY