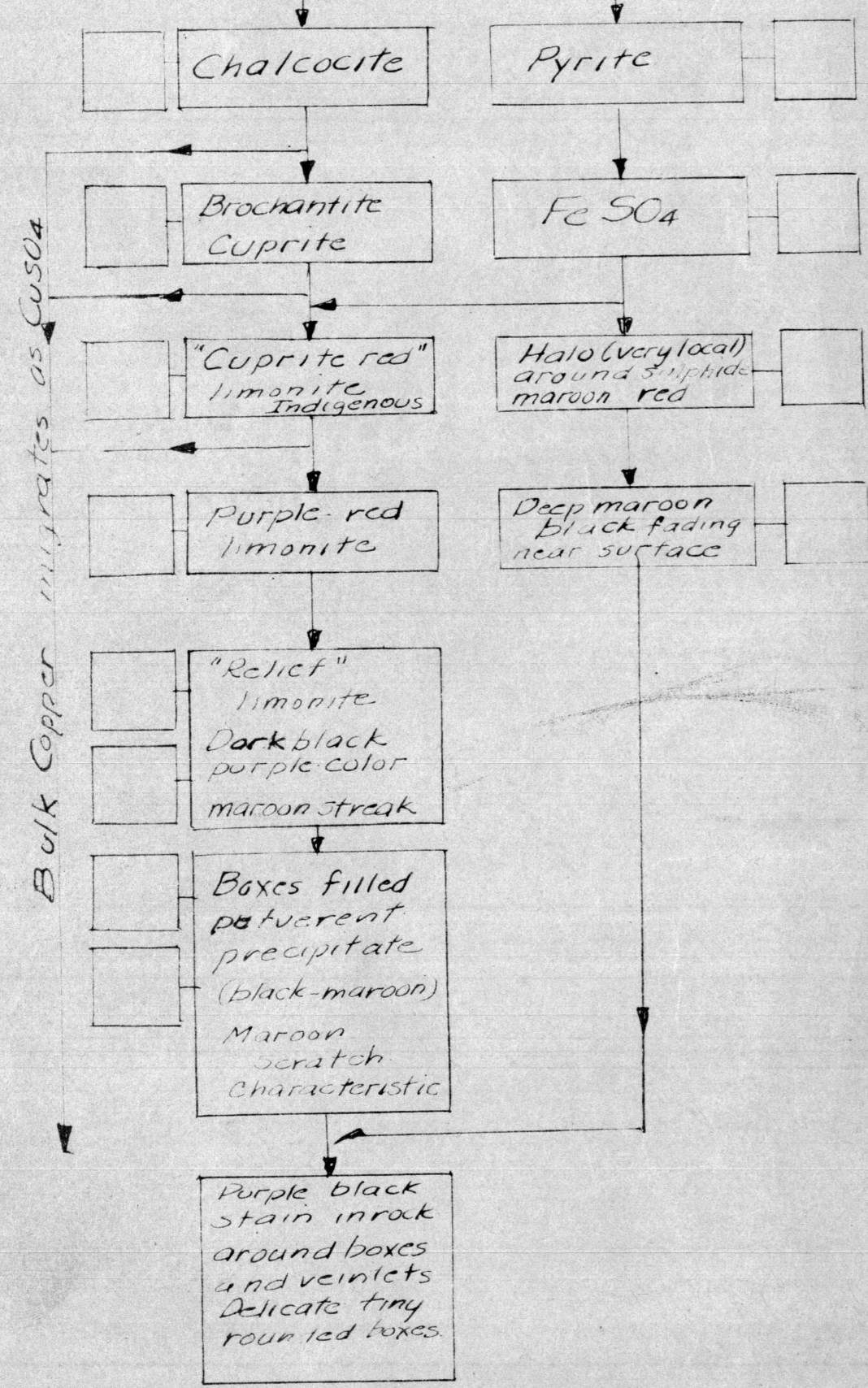


I

Chalcocite 1+
Pyrite 1

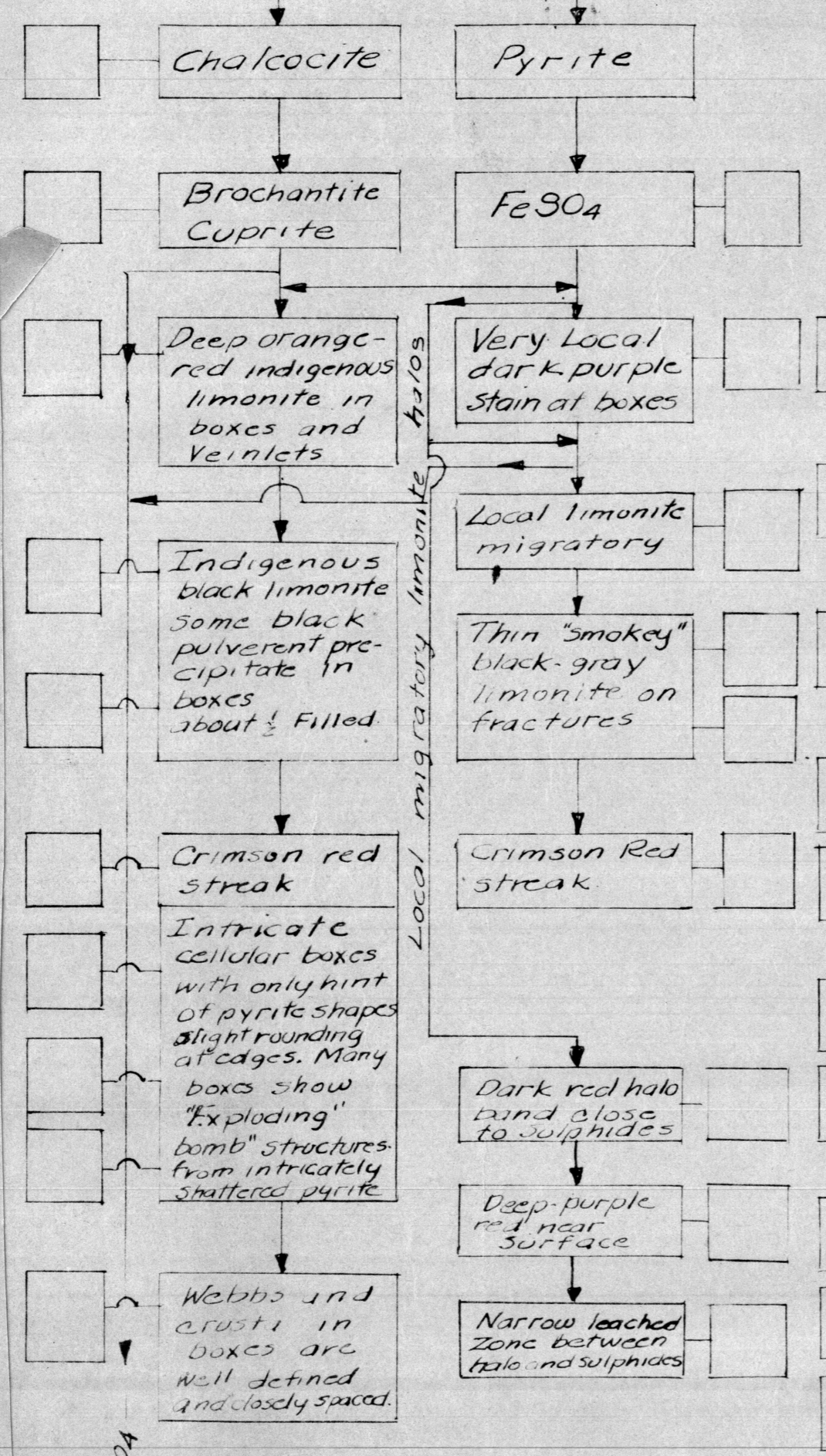
Copper 1+
Iron 2-25%



II-A

Chalcocite 1
Pyrite 1.5

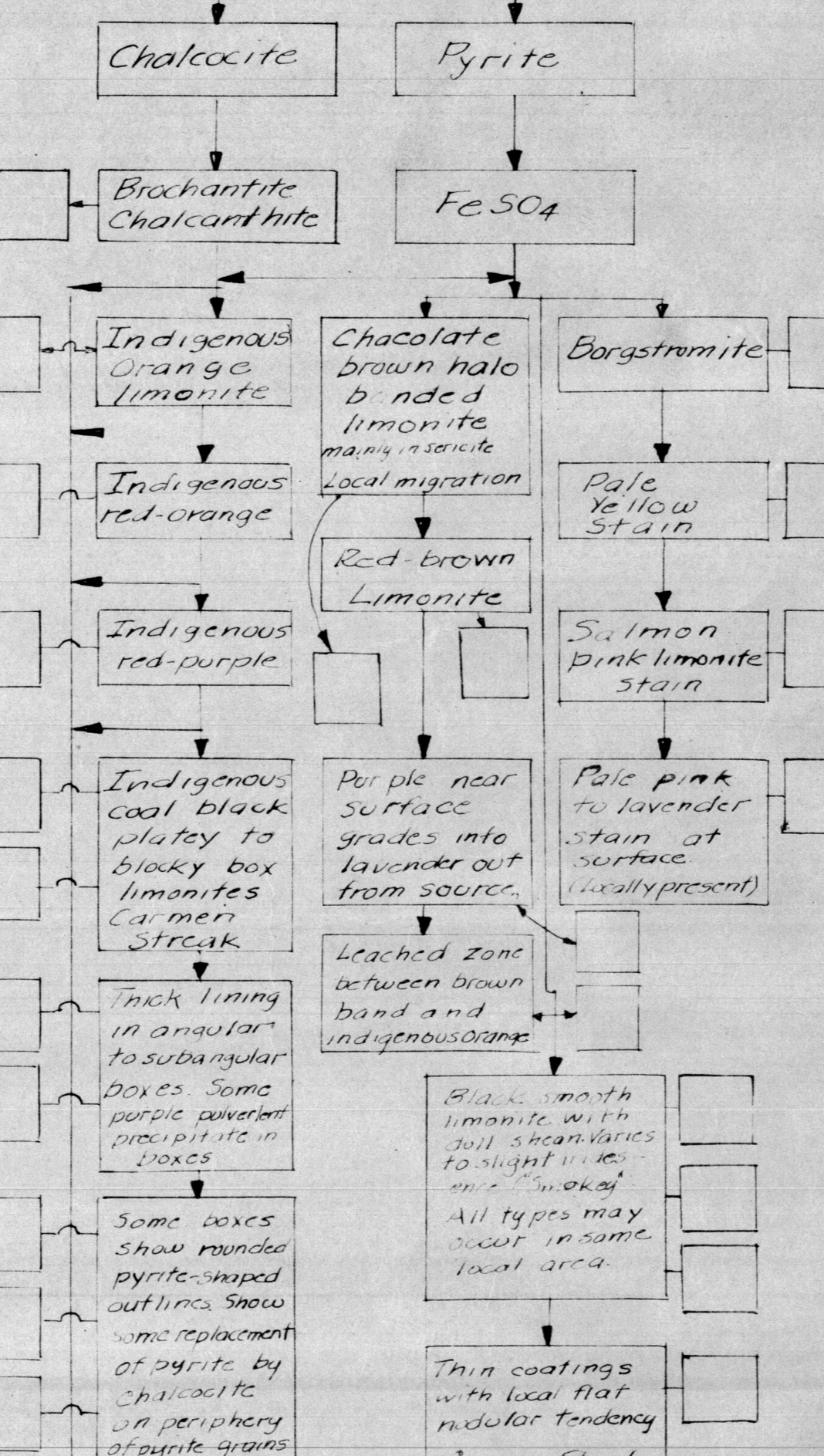
Copper 0.9-12%
Iron 26-30%



II-B

Chalcocite 1
Pyrite 2

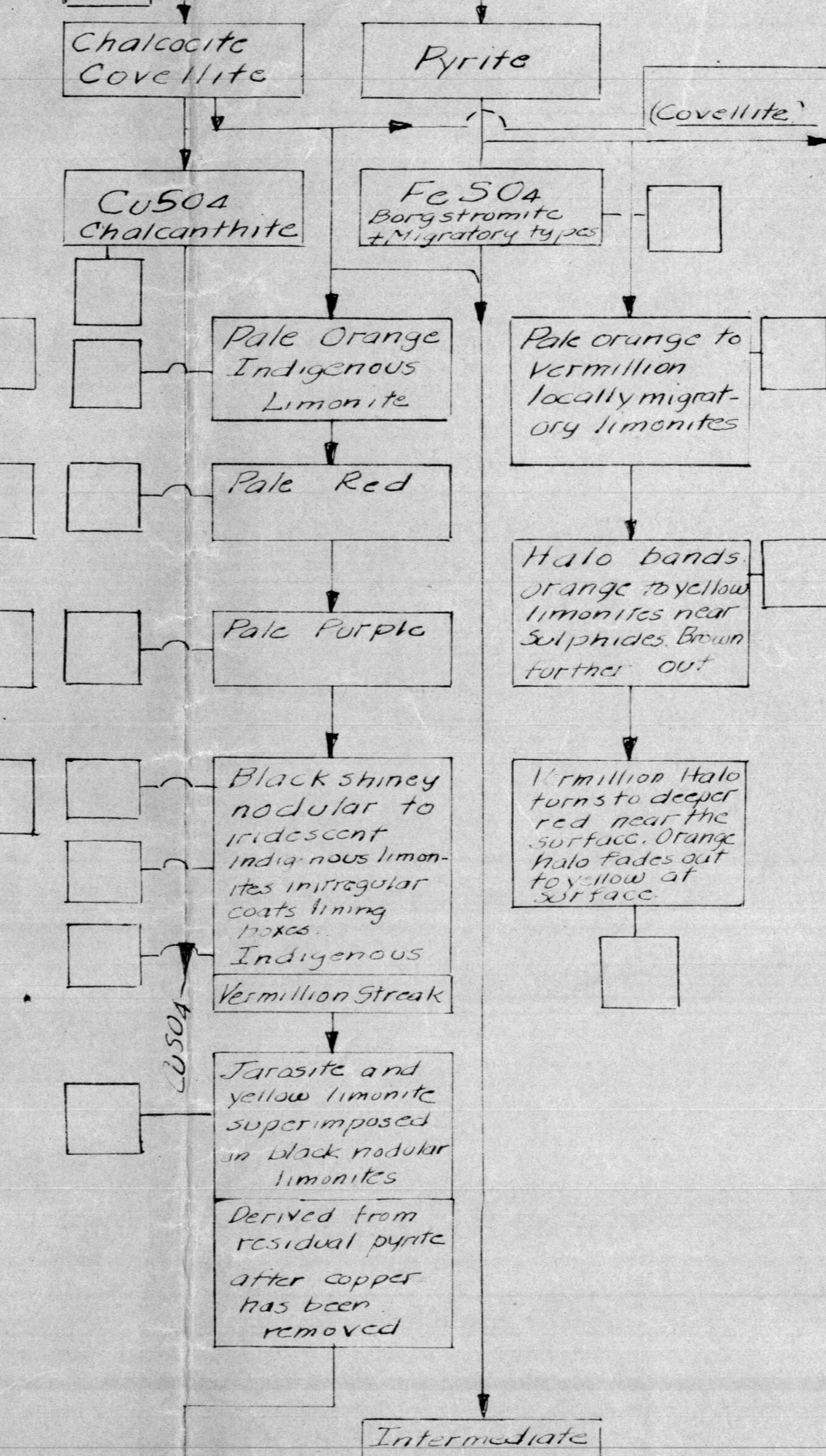
Copper 0.7-10%
Iron 31-35%



II-C

Chalcocite, sooty chalcocite
or covellite
Pyrite 2 1/2-3

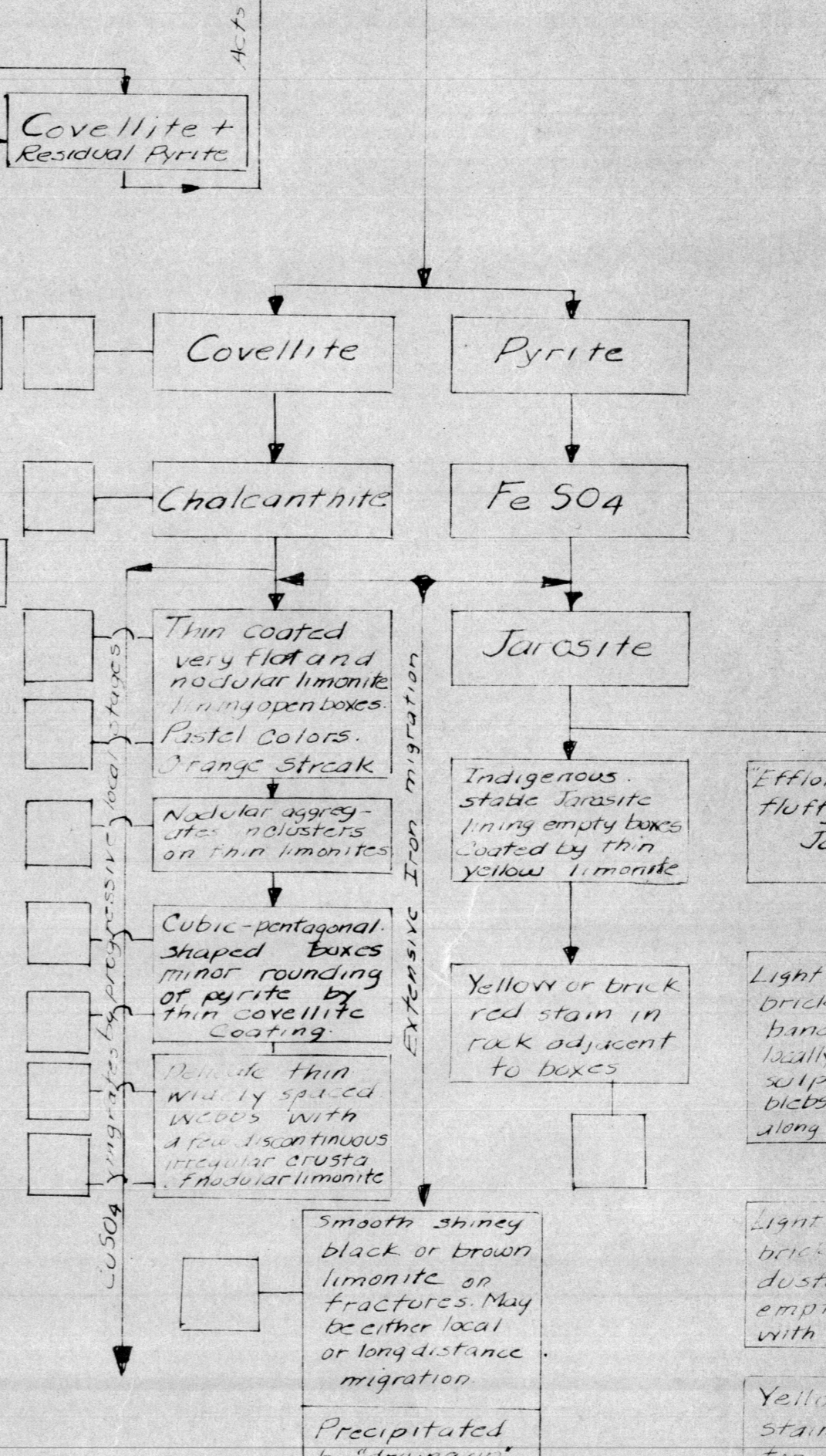
Copper 0.4-0.7
Iron 36-45%



III

Covellite 1
Pyrite 3 1/2

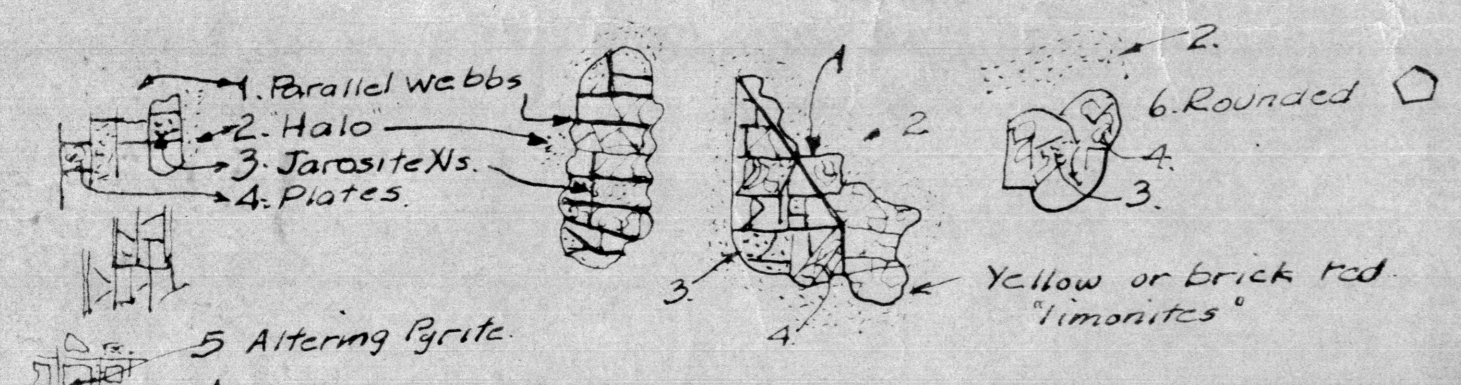
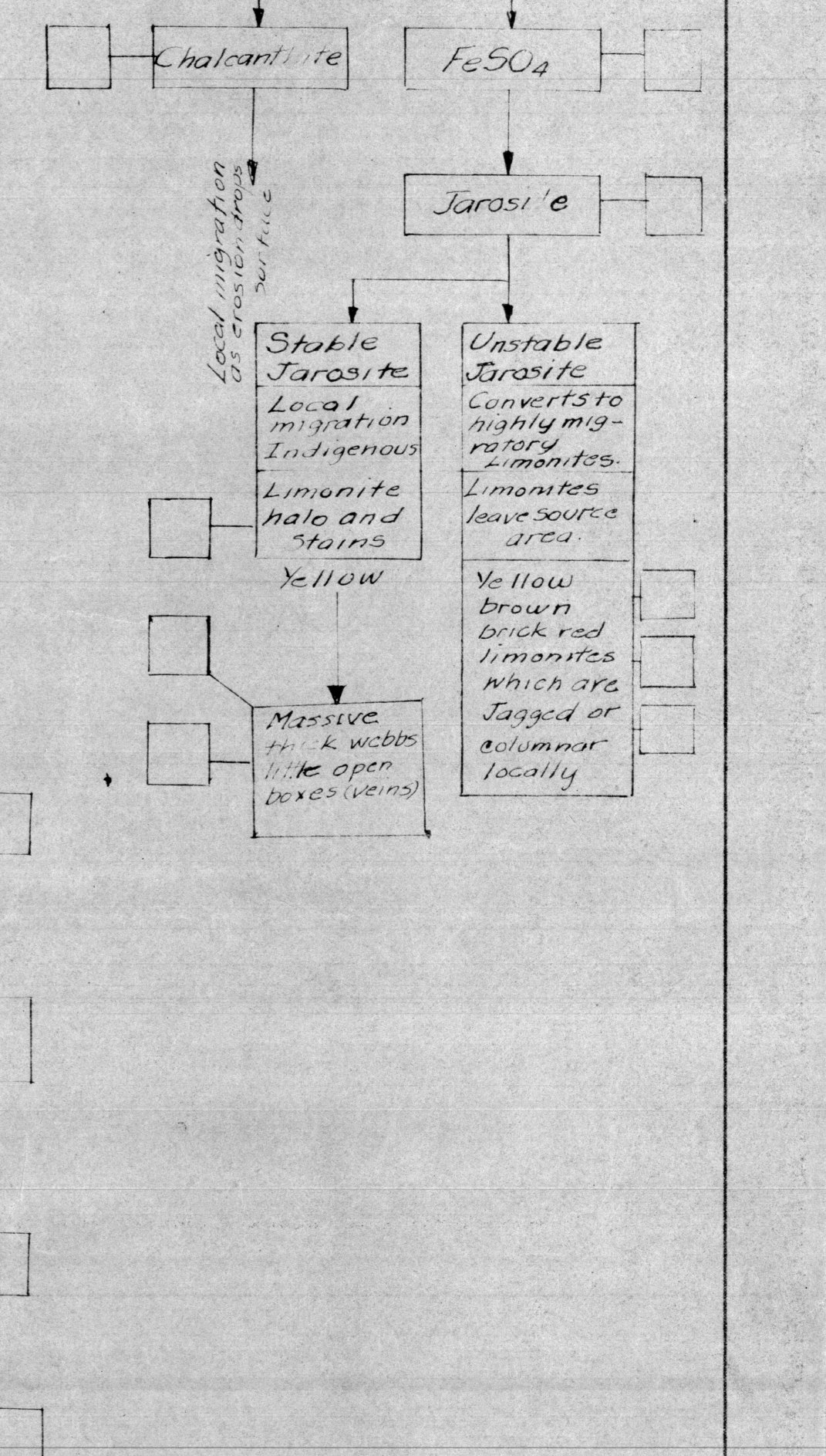
Copper 0.35-0.5%
Iron 45-55%



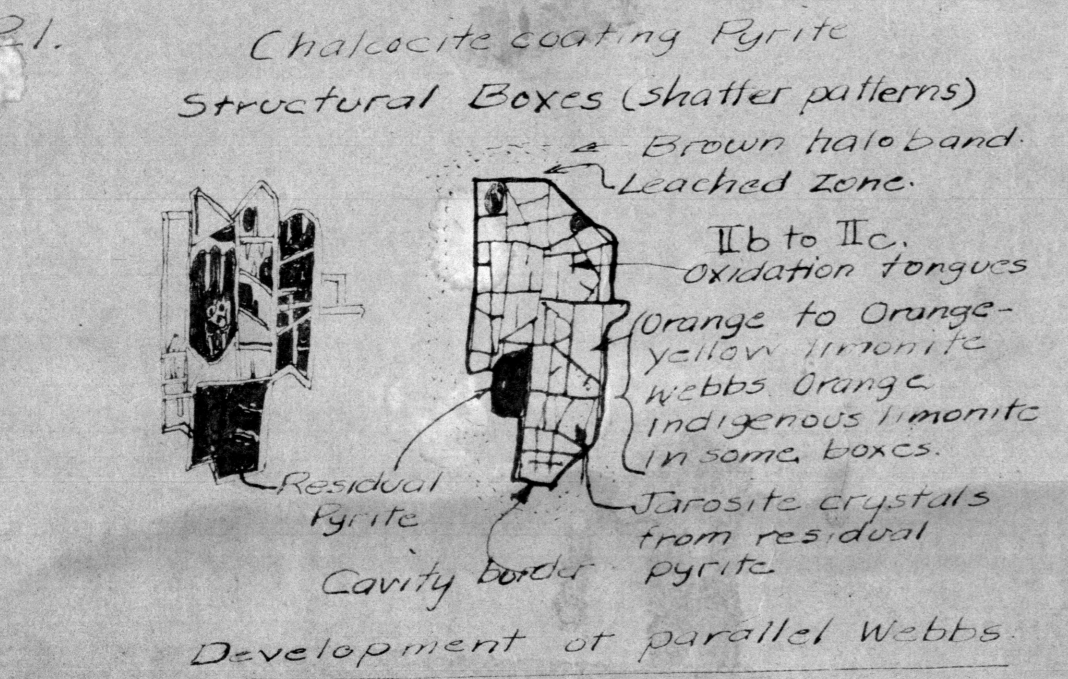
IV

Covellite = 1
Pyrite = 10+

Copper 0.1 to 0.3%
Iron 5%+



Development of boxes from Pyrite
Coated by thin Chalcocite or Covellite
Similar to those from Cop, Galena, or Sphalerite.
Reaction III-Large part iron removed.
Minor copper but enough to precipitate some
stable Jarosite and minor limonite (Strong
acid solutions) Webbs delicate and very
thin out continuous. Platy irregular and
discontinuous minor webbs. Occasional
beytraoidal aggregates of goethite.



Pyrite grain III-L
Jarosite crystals lining webbs
Oxidation webbs (very thin)
Part of boxes empty and part filled
with crystal aggregates of jarosite.
Brick red and yellow stain
Jarosite probably from local iron migration
(some is confined to boxes (unstable))