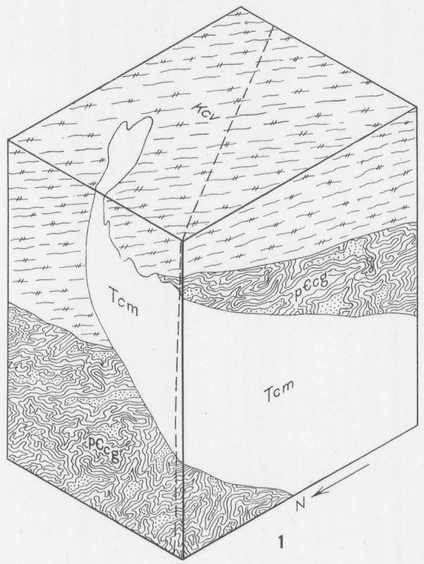

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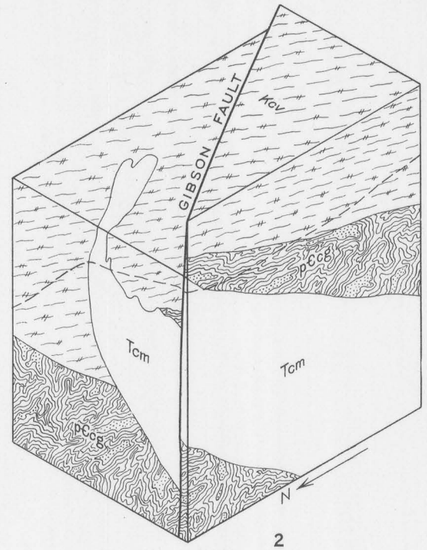

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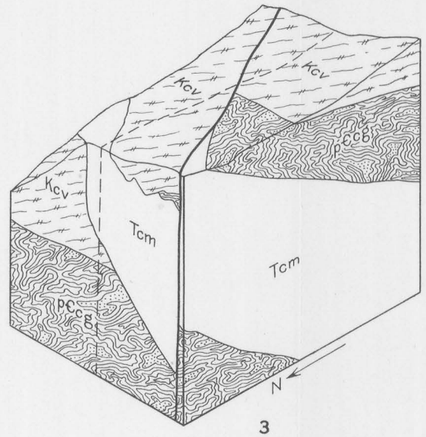

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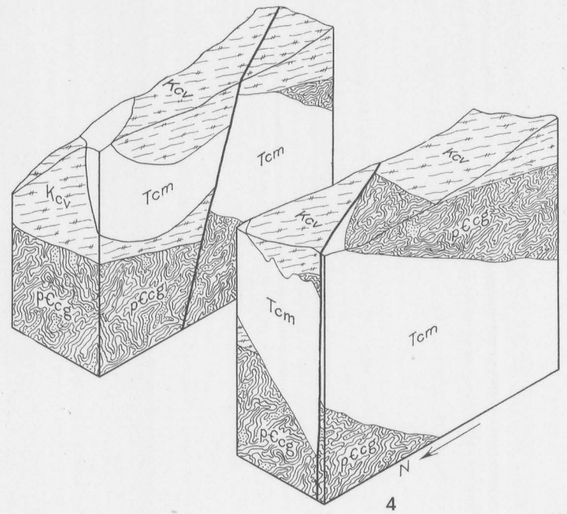

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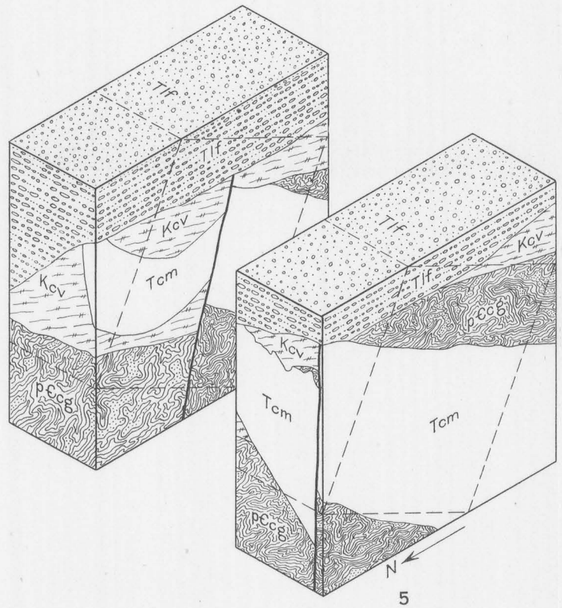

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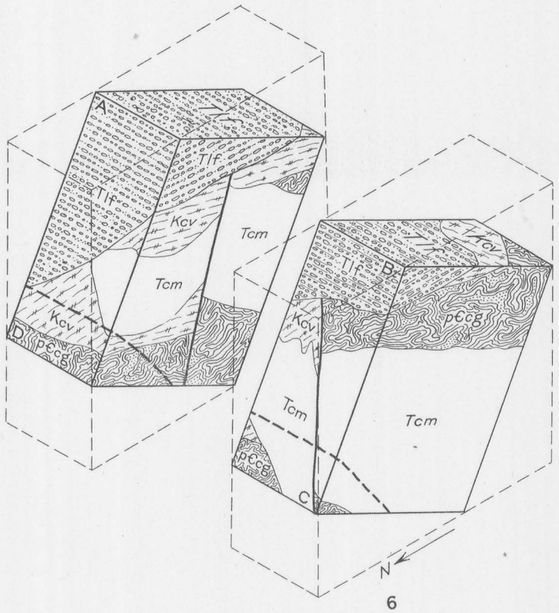

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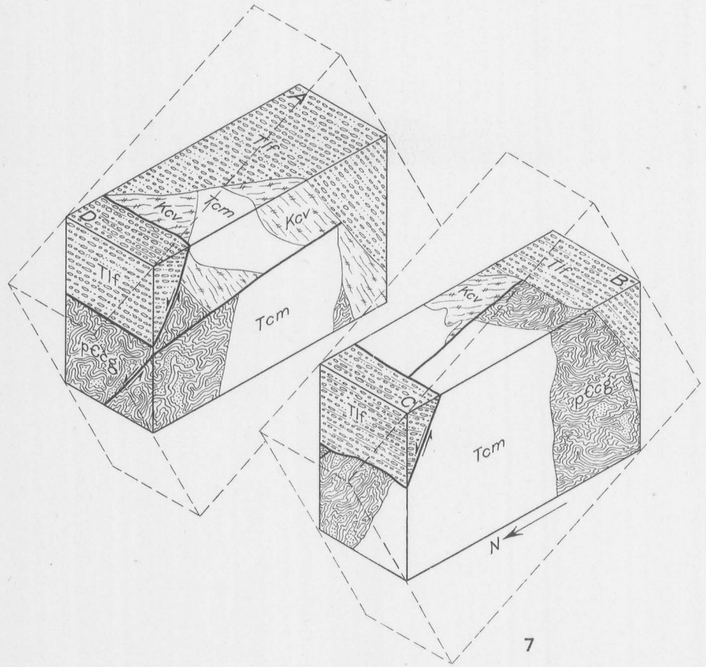

7

EXPLANATION

Tlf, Locomotive fanglomerate; Tcm, Cornelia quartz monzonite; Kcv, Concentrator volcanics; pCcg, Cardigan gneiss.

1. Structural relations following intrusion of Cornelia quartz monzonite. Dashed line marks course of Gibson fault, not yet developed.
2. Relations following displacement on Gibson fault, arbitrarily assumed to be a dip-slip normal fault with a throw of 4,000 feet. Dashed lines indicate approximate extent of erosion prior to desposition of Locomotive fanglomerate.
3. Condition following erosion of area prior to deposition of Locomotive fanglomerate. Dashed line indicates where block is cut in half in diagrams 4-7.
4. Block 3 split in half to show structure at depth in center of area.
5. Blocks of diagram 4 after deposition of Locomotive fanglomerate. Dashed lines outline the inscribed blocks shown in diagrams 6 and 7.
6. Same relations as diagram 5, except that the geology is shown only on the inscribed blocks. These inscribed blocks are so oriented that after tilting on the Little Ajo Mountain fault (indicated by dashed lines) the face ABCD, which here appears in its original attitude, will become horizontal.
7. Present conditions after tilting on the Little Ajo Mountain fault. Somewhat generalized, with topography not shown. Face ABCD is horizontal. Tcm on top of left block marks site of New Cornelia mine.

SCHEMATIC DIAGRAM, LOOKING SOUTHEAST, ILLUSTRATING STRUCTURAL EVOLUTION OF EAST END OF LITTLE AJO MOUNTAINS