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Plate 4A. Silicated dolomite northeast of the Edwards Talc Belt and southwest of Cedar Lake. The lenses and irregular layers weathered in relief are largely serpentinous diopside or diopside sheathing a quartz core. These interlayers define a unit near the stratigraphic top of the Silicated Dolomite (zone 10?) and are interpreted as relict siliceous beds in the dolomite. At most places where the diopside is appreciably serpentinized a halo of calcite separates the serpentine from the dolomite.

Plate 4B. Diopsidic quartzite beds and laminae in the calcitic Footwall Marble, at the contact of this unit and the Fowler talc Belt (left hand side of photo). At this locality (7.65 W., 4.45 N.), the beds strike northeast and dip steeply northwest. The contact of talc and Footwall Marble is essentially accordant with the bedding shown here. If mapped in detail however, this contact is found to deviate from a single horizon by discordances involving several to 20 feet of beds, as it is traced 1000 feet westward and down dip, in the Arnold Talc Mine.

Plate 4D. Diopsidic quartzite beds, and laminated layers intercalated in moderately siliceous calcite of the calcitic Footwall Marble. The locality is about 1200 feet northeast of the Wight Talc mine. The Fowler Talc Belt lies just northwest (spatially above) this outcrop. At this point the siliceous beds are partly dismembered and floated apart in the enveloping siliceous calcite. This kind of deformation increases to the southwest and is less apparent along the strike to the northeast (upper right of photo).

Plate 4C. Massive diopsidic quartzite layers (beds) in zone six of the Silicated Dolomite exposed along the north shore of Sylvia Lake (12.1 W., 1.95 N.). The thickest of these beds averages about two feet thick. In aggregate they define a characteristic subzone readily traced around the Lake and northeast of it in the Gleason Zinc Mine of the St. Joseph Lead Co. The interlayered dolomite (locally some calcite) comprises less than half of this zone in this area.

This map is preliminary and has not
been edited for conformity with Geological
Survey format and nomenclature.