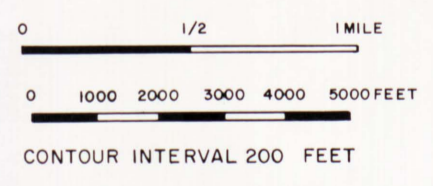


Geology & Geochemistry of the Chandalar Area

by E. R. CHIPF



TRUE NORTH  
MAGNETIC NORTH

APPROXIMATE MEAN DECLINATION, 1958

Map Base: U.S. Geological Survey

**Platystrophia and Recent**

Qal  
Surficial Deposits

Qgl  
Poorly sorted stream gravels and colluvium.

Qgl  
Glacial drift; marginal sand, gravel and boulders; lake bed deposits in Tobin Creek

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**DEVONIAN (?) or younger, possibly JURASSIC**

Dg  
Greenstone and Greenschist

Dg  
Dark green, partially schistose actinolite - clinzoisite - epidote melagabbro or metadiabase sills and rare dikes, contain minor calcite, chlorite, albite, quartz, and sphene

Dgs  
Green to dark gray, albite-chlorite - clinzoisite schist, with minor quartz, calcite, sphene and muscovite

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**DEVONIAN (?)**

Dqts  
Quartzite-Schist

Dqts  
Light to medium gray, quartz-muscovite schist with numerous beds of muscovite chlorite quartzite

Dphs  
Phyllite-Schist

Dphs  
Medium gray, quartz-muscovite-chlorite schist to phyllite. Contains numerous pyrrhotite and quartz segregations commonly less than 2" long

Ds  
Schist with Mikado Phyllite

Ds  
Dark gray, quartz-muscovite schist with interbeds of phyllite and schistose quartzite. Locally abundant, dotted where quartz bands

Dsph  
Dark gray, carbonaceous, quartz-muscovite-chlorite phyllite

Dbls  
Black Schist

Dbls  
Black to dark gray, carbonaceous, quartz-muscovite-chlorite schist, with beds of phyllite, slate, metasilstone, and quartzite. Locally albitic and/or biotitic near greenstone bodies

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--- Contact

- - - Long dashed where approximately located; short dashed where inferred

--- Fault

- - - Long dashed where approximately located; short dashed where inferred; queried where doubtful; dotted where concealed; dot on downthrown side

--- Thrust Fault

- - - Dashed where approximately located; queried where doubtful; dotted where concealed; sawtooth on upper plate

13  
Strike and dip of beds

26  
Strike and dip of foliation; foliation generally parallel to bedding

77 26  
Attitude of Joints

14  
Attitudes irregular

62  
Strike and dip of cleavage

60  
Strike and dip of axial plane of minor folds and crenulations showing direction of plunge of fold axis

18  
Plunge of lineation

16  
Stream sediment sample with number

Pb, Cu 17  
Anomalous stream sediment sample with number and anomalous element

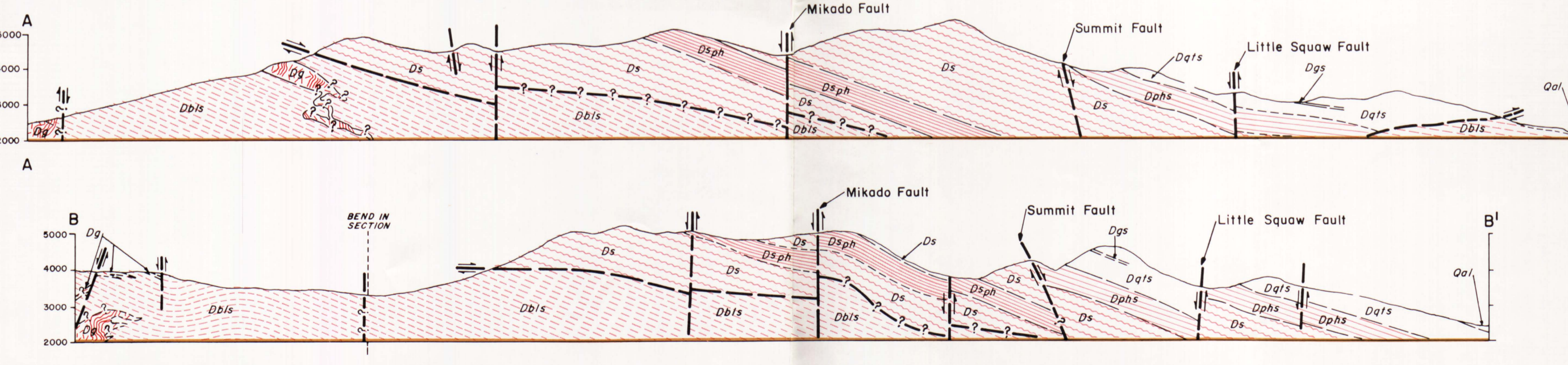
12  
Rock geochemical sample with number

00A  
Vein quartz; A indicates visible arsenopyrite

Placer Mine    Lode Mine

Prospect Pit    Cabin    Airstrip

--- Road



SECTIONS

Figure 2