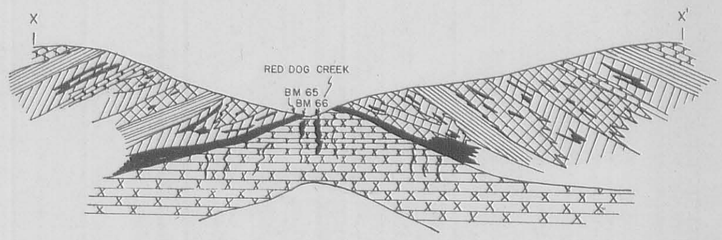

DIAGRAMATIC CROSS SECTION

SCALE: 1"=500'

R. 18 W.

T. 31 N.

INTERLAYERED UNITS OF BARITE, SILICEOUS ROCKS AND CHERT

SHALE & CHERT

SHALE

Breccia Zone

Veins N 20°E 80-90°NW

1000

1250

20

21

29

28

A

A'

X

X'

LEGEND

MISSISSIPPIAN, PERMIAN, & TRIASSIC ROCKS, UNDIVIDED

- Sh — Shale; undifferentiated, black to brown, red and green, small folds common
- L — Limestone; brown, fine-grained, present at west part of prospect as pods in chert
- c — Chert; undifferentiated, dark gray to black, fine-grained with thin laminae; commonly with sulfides, locally contains mineralized veins
- b — Barite, light to medium gray, medium to coarse-grained; locally contains alternating layers of chert; sulfides associated with most barite
- Si — Siliceous rock; medium gray, fine-grained, resembles volcanic cinder on weathered surface; contains significant amounts of sphalerite & galena
- Sulfides

UPPER DEVONIAN & LOWER MISSISSIPPIAN

- Quartzite, arenite, siltstone, & shale
- Bedrock outcrop
- Talus near bedrock source, rock type indicated
- shale, as talus
- chert, as talus
- barite, as talus
- siliceous rock, as talus
- sulfides, as talus, shown with host rock type
- 30° — bedding
- contact between rock units, dashed where inferred
- thrust fault, teeth on upper plate, approximately located

N

WGM INC. MINING & GEOLOGICAL CONSULTANTS ANCHORAGE, ALASKA

Bureau of Mines

GENERALIZED GEOLOGIC MAP

RED DOG PROSPECT

DELONG MOUNTAINS A-2 QUADRANGLE, ALASKA

Scale: 250 0 500

Data By: C.D., R.G., W.V., D.F.

Date: JUNE-JULY, 1975

BM123 **FIG. 5**