EXPLANATION

- SAMPLE SITE OR BEGINING AND END POINT OF SAMPLE SEQUENCE
- J.P. STATION
- ROUNDED FRAGMENTS
- BEDDING
- FOLIATION
- FENCE
- SHAFT WITH DUMP
- ADIT WITH DUMP
- BRECCIA, ALSO "+" DEPICTS FRAGMENTS
- CLAIM CORNER
- 2 x 2 POST
- 4 x 4 POST
- STEEL POST
- ROCK CAIRN
- DISCOVERY MONUMENT
- DRILL HOLE
- ALLUVIUM: Colluvium, and unmapped areas.
- INTRUSIVE: Dikes, sills, plugs and stocks of diorite to granodiorite composition.
- SULFIDE OXIDATION PRODUCTS: Predominately pyrite, originally as disseminations, veins and massive layers.
- QUARTZ SEGREGATIONS AND/OR VEINS: Probably all ages from Proterozoic to Laramide. Commonly contains tourmaline and pyrite.
- CHERT: Exhalative chemical sediment, ranges from gray and white (chh) to purple (fshh).
- VENT BRECCIA: The products contained within, or ejected from, a hydrothermal vent. Contains volcanic and chert fragments in altered matrix.
- CHERT SOAKED RHYOLITE: Very siliceous rhyolite with some rennnant quartz phenocrysts, common dumortierite veinlets. Sandblar are zone.
- CLIFF RHYOLITE: Occurs as either gray (g) or beige (b), and is either massive (m), platey (pl), or foliated (f), rhyolite domes and flows.
- QUARTZ EYE PORPHYRY: Domes, flows and tuffs with abundant quartz phenocrysts, very rhyolitic composition.
- FELSIC TUFF: Ashy to lapilli tuff, rare quartz phenocrysts, common cherty laminae, variette sulfide content.
- RHYDOACITE: Mostly tuffs, some breccias or agglomerates, occasionally lapilli tuff, rare quartz phenocrysts.
- DACITE: Mostly tuffs, some flows, usually plagioclase phenocryst rich, green, red and brown varieties.
- MUDDY ANDESITE TUFF: Very muddy brown appearing reworked andesitic tuff, occasionally finely laminated.
- ANDESITE TO POSSIBLY DACITE TUFF: Aphyric, dark green due to abundant metamorphic chlorite, may be flows in part.

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SCALE (1" = 50 FEET)

NOTE: TOPOGRAPHIC CONTOURS WERE ENLARGED FROM THE 7.5' QUAD MAP AND MAY BE INCURATE AT THIS SCALE.

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BIG BUG
GEOLOGY SOUTHERN SECTION

REV'D BRUCE	CHKD.	SCALE 1"=50'	FILE NO. 87
FILE NO. R.C.LONG	DRAWN BY J.R.HERSON	DATE 7-1-88	DWG.