EXPLANATION

- SAMPLE SITE OR BEGINNING AND END POINT OF SAMPLE SEQUENCE
- I.P. STATION
- ROUNDED FRAGMENTS
- BEDDING
- FOLIATION
- FENCE
- SHAFT WITH DUMP
- ADIT WITH DUMP
- BRECCIA, ALSO "b" 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 Lowerdle. Commonly contains tourmaline and pyrite.
- CHERT: Exhalative chemical sediment, ranges from grey and white (ch) to purple (Hafse).
- VENT BRECCIA: The products contained within, or ejected from, a hydrothermal vent. Contains volcanic and chert fragments in silicified matrix.
- CHERT SOAKED RHYOLITE: Very siliceous rhyolite with some remnant quartz phenocrysts, common dumortierite veinlets. Sweitzer are zone.

- CLIFFY RHYOLITE: Occurs as either grey (s) or beige (B), and is either massive (m), platey (p), 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, variable sulfide content.
- RHYODACITE: 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"= 50.00'

NOTE: TOPOGRAPHIC CONTOURS WERE ENLARGED FROM THE 7½' QUAD AND MAY NOT BE ACCURATE AT THIS SCALE.

LONG LAC MINERAL EXPL. (TEXAS) INC.
1475 Grey St.
Sparks, Nevada 89431

BIG BUG
GEOLOGY: SOUTHERN SECTION

STATE: NEVADA	DRAWN:	SCALE: 1"=50'	DWG. NO.
SITE: BIG BUG	CHECKED:	DATE:	REV.
AREA: R.C. LYONS	PROJECT MGR: J.S. WILSON	DATE: 11-'88	