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ROCHE AREA — PAN AMERICAN LEAD-ZINC-SILVER

- CMls of Com. Roche, sh is ore horizon
- dip 10° E, 85' thick
- 2 sets of mafic dykes: NE, & NW (0.5'-6' thick)
- 2 " " normal faults " " , displ 1'-15'
- NE set cuts NW set
- bedding pl. fault between thin bedded & massive portions of CMls indicates a max slip of 90'
- 3 types of low-grade sulphide rep. ore occurrences:
 - (1) in the gouge of bedding pl. fault.
 - (2) in the massive CMls
 - (3) in the thin bedded CMls.
- gouge ore: 1'-8' thick
- massive CMls: 1-13' " . It varies with shaly ment at base of ore.
- thin bedded CMls: 1-40' thick. Controlled by shingle-like imbricate str. from b.p. fault.
- grade: 1.75% Pb, 1.25% Ag, 2.5% Zn
- probable high-grade ore surrounded by a halo of low grade as rep by the Pan Am Ore.
- highly mechanized. Mine op costs *1.838/ton.
- 1360 tpd.