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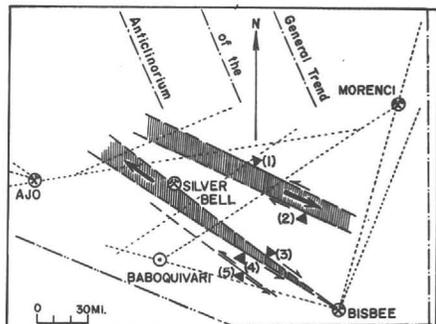
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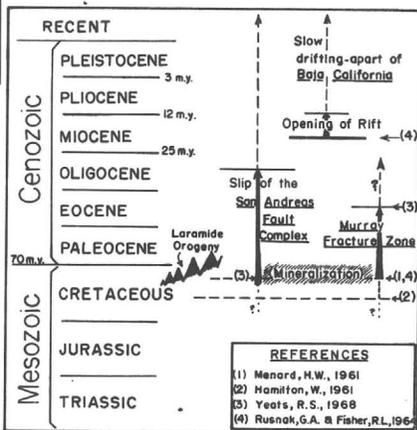


**REFERENCES**

- (1) MOGUL Fault (Ludden, 1950; Wallace, 1955; Pilkington, 1962)
- (2) ANTELOPE TANK Fault (Silver, 1956; Cooper, 1959)
- (3) ANDRADA Fault (Alberding, 1958) 8,000-foot Offset
- (4) SYCAMORE Fault (Johnson, 1941; Jones, 1941)
- (5) SAW MILL CANYON Fault (Lutton, 1958)

Figure 2

Evidence for Five Lateral Displacements, one Mile or more, along the Texas Lineament



**REFERENCES**

- (1) Menard, H.W., 1961
- (2) Hamilton, W., 1961
- (3) Yeats, R.S., 1968
- (4) Rusnok, G.A. & Fisher, R.L., 1964

Figure 3

Time Table on some pertinent Structural Events affecting the West Coast

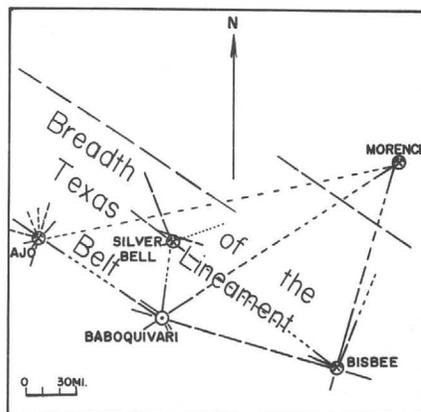


Figure 4

Interrelationship of some Structural Keystones of the Texas Lineament Belt in Southeast Arizona

THE ARIZONA COPPER PROVINCE AND THE TEXAS LINEAMENT

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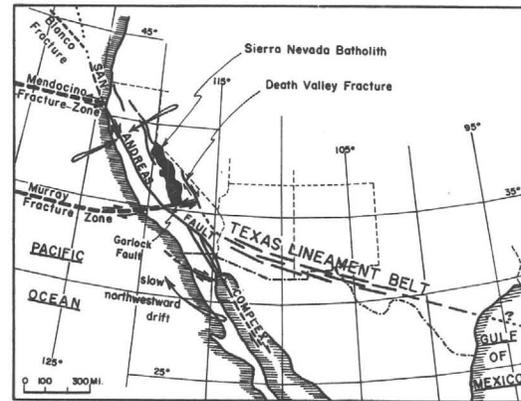


Figure 1 - Structural Framework of the Texas Lineament Belt

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THE ARIZONA COPPER PROVINCE AND THE TEXAS LINEAMENTAbstract

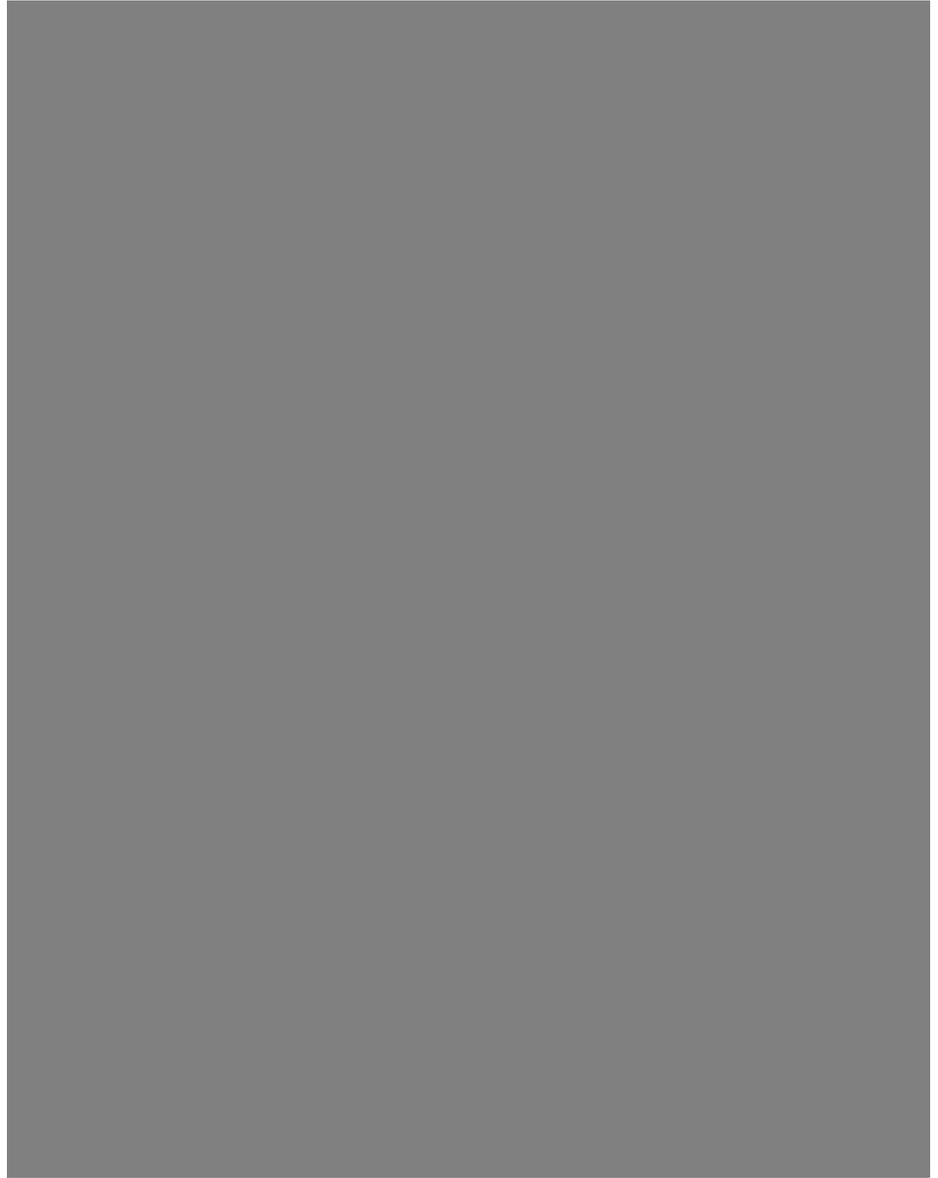
Recurring movements remotely connected with the Murray fracture zone and the San Andreas fault complex, together with the slow northwestward drift affecting the Baja California peninsula, could progressively have accentuated the tensional situation already connected with the anticlinorium in southern Arizona.

From the fragmentary data gathered on the Texas lineament, it appears that a very mild curvature, concave to the northeast, may be present along this belt throughout Arizona. Those localities where the successive changes in direction of the strands of the lineament belt seem to occur do generally coincide with intersections of both north-northwestern and northeastern breaks. It is along the outward, southern fringe of the belt (at such structural centers like Bisbee, Baboquivari, Ajo) that the greatest impact of regional movements could be expected to have occurred through tangential-torsional stresses.

Although it is accepted that the north-northwestern and more particularly the northeastern fractures in Southeast Arizona are propitious to or partially responsible for mineralization, it seems undeniable that the Texas lineament belt must have greatly increased the potentialities for ore throughout the Arizona copper province.

While intrusive bodies occur near major intersections, with the Texas lineament belt as a common denominator, it seems, the ore deposits are to be found close to one of the intrusive stocks, varying in distance from contiguity (Bisbee) to one or two miles away (Silver Bell orebodies).

Introduction

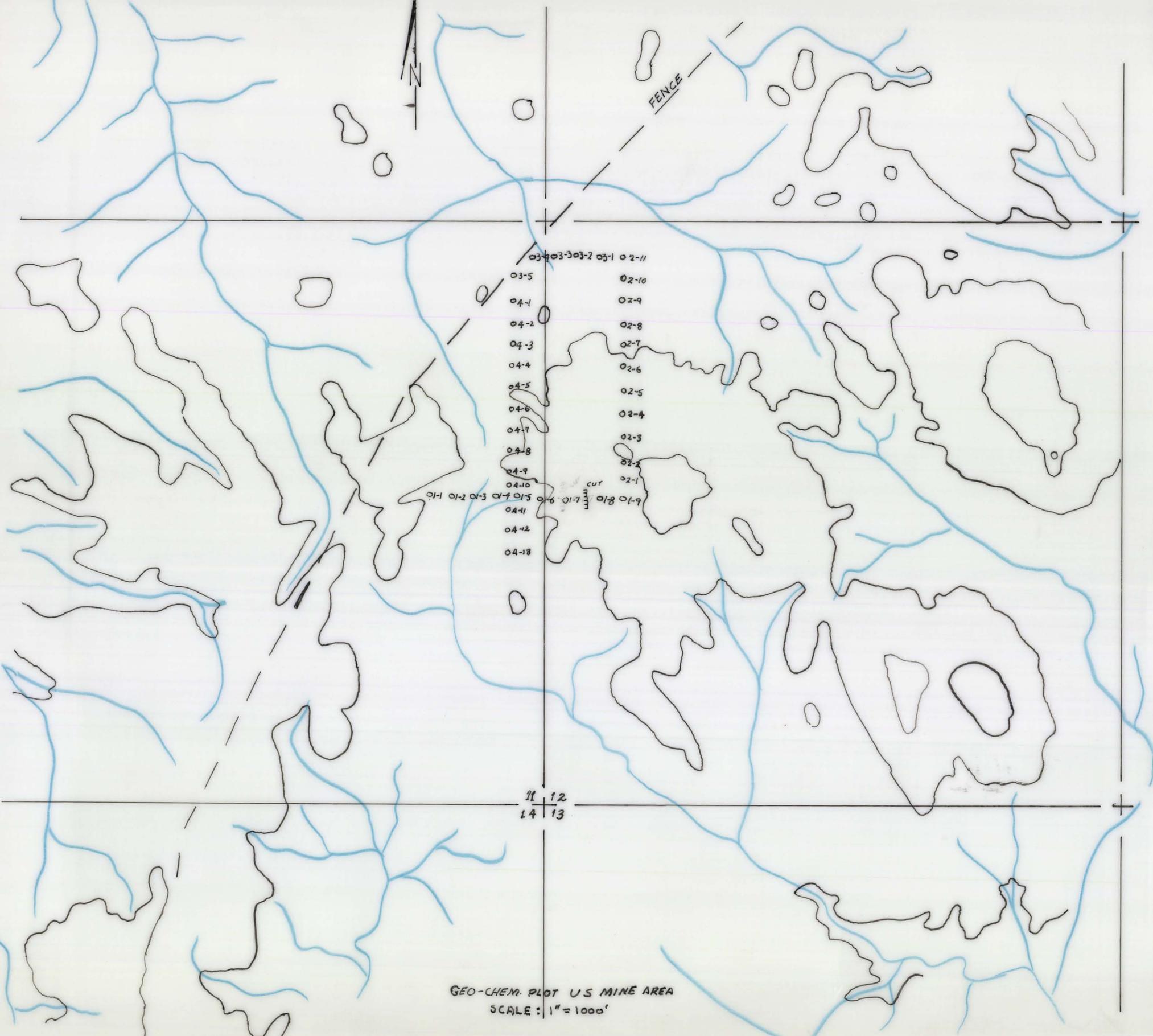








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GEO-CHEM. PLOT U.S. MINE AREA  
SCALE: 1" = 1000'