

patterns of earthquake epicenters; (3) many earthquake epicenters occur in areas where no faults have yet been recognized; (4) a few clusters of epicenters occur near the extremities of linear magnetic anomalies, suggesting the possibility that serpentinite is being emplaced diapirically in those areas; (5) the most extensive, previously unrecognized zone of weakness inferred from magnetic data is a lineament defined by the Redwood City and San Jose anomalies, extending from a point about 5 km east of San Martin for a distance of 85 km northwest across the San Francisco peninsula to Foster City.

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