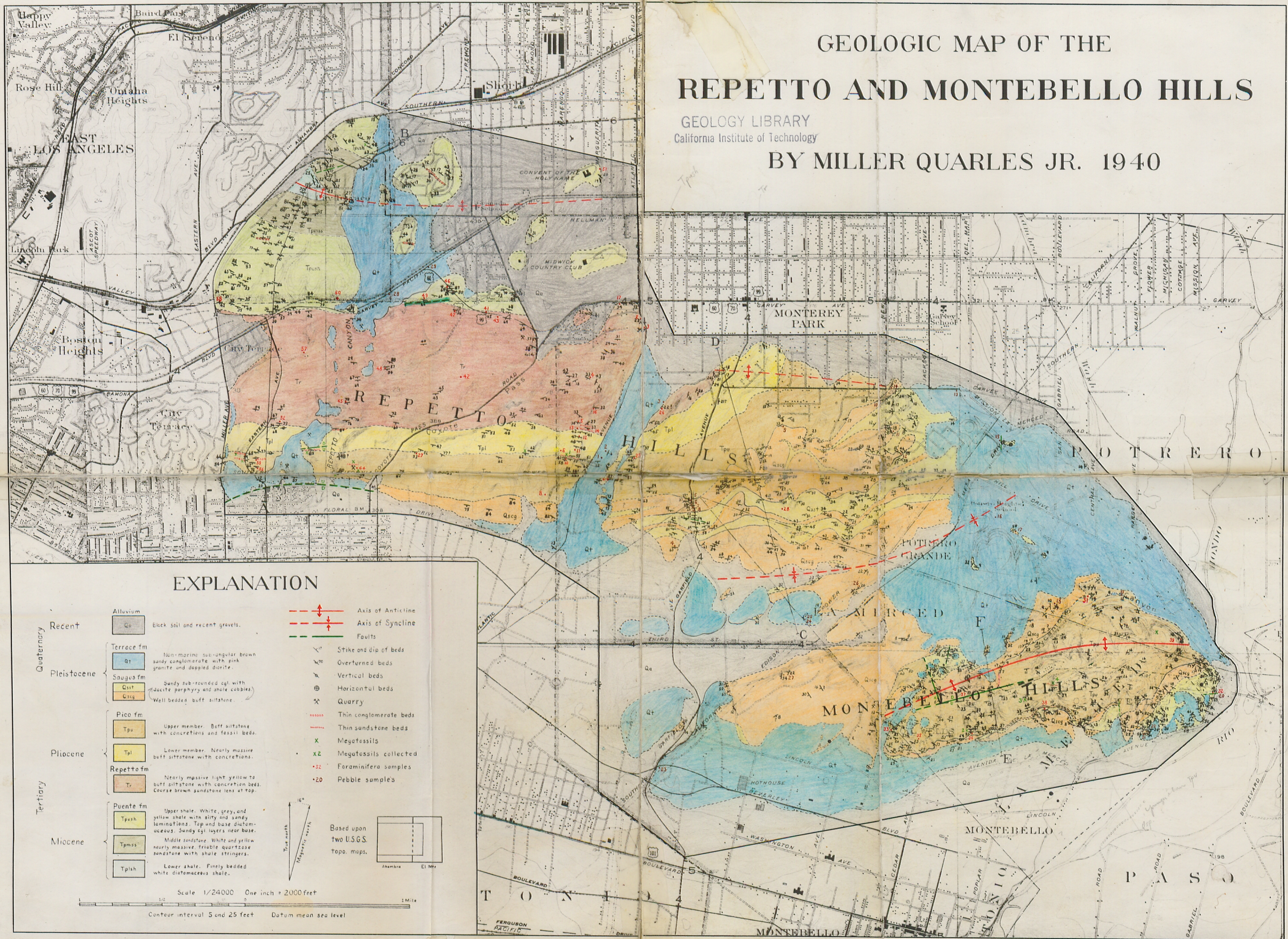


Quarles - m - 1941 MS Quarles, 1941

# GEOLOGIC MAP OF THE REPETTO AND MONTEBELLO HILLS

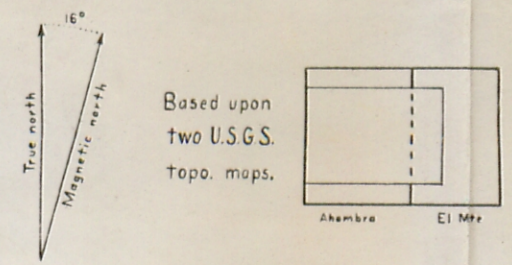
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BY MILLER QUARLES JR. 1940



## EXPLANATION

- |  |   |  |                   |
|--|---|--|-------------------|
| Quaternary   | Recent  | Alluvium<br>Black soil and recent gravels.   | Axis of Anticline |
|  | Pleistocene   | Terrace fm<br>Non-marine, sub-angular brown sandy conglomerate with pink granite and dappled diorite.  | Axis of Syncline  |
| Saugus fm<br>Sandy sub-rounded cgl with jacinthe porphyry and shale cobbles.                         |   | Faults   |                   |
| Pico fm<br>Well bedded buff siltstone.   |   | Strike and dip of beds   |                   |
| Pliocene   | Upper member. Buff siltstone with concretions and fossil beds.  | Overturned beds  |                   |
|  | Lower member. Nearly massive buff siltstone with concretions.   | Vertical beds  |                   |
| Tertiary   | Repetto fm<br>Nearly massive light yellow to buff siltstone with concretion beds. Coarse brown sandstone lens at top. | Horizontal beds  |                   |
|  | Miocene   | Puente fm<br>Upper shale. White, grey, and yellow shale with silty and sandy laminations. Top and base diatomaceous. Sandy cgl layers near base. | Quarry            |
| Middle sandstone. White and yellow nearly massive, friable quartzose sandstone with shale stringers. |   | Thin conglomerate beds   |                   |
| Lower shale. Finely bedded white diatomaceous shale.   |   | Thin sandstone beds  |                   |



Scale 1/24000 One inch = 2000 feet  
Contour interval 5 and 25 feet Datum mean sea level

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