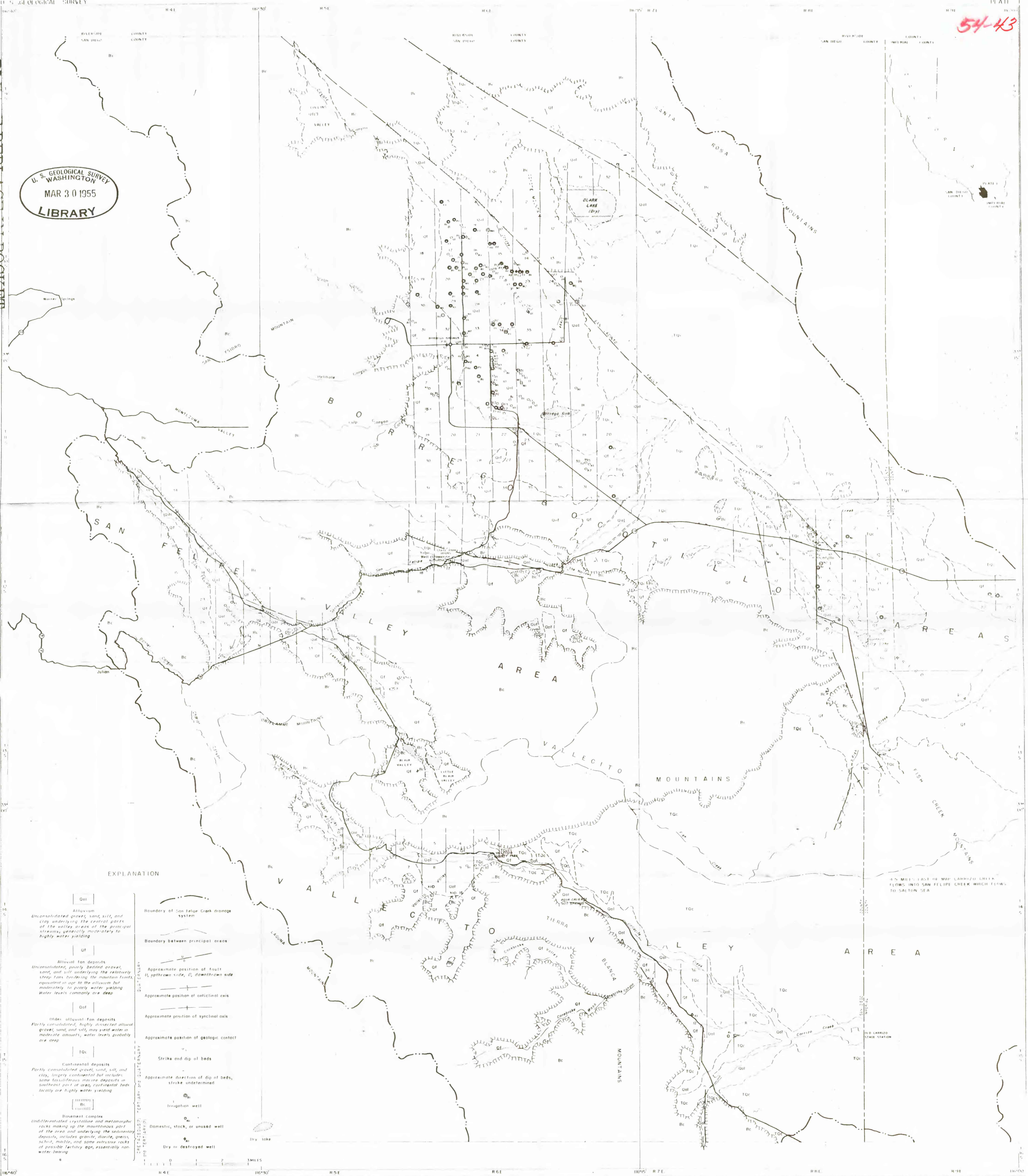


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PLATE I
PART OF
POCKET
BOOK
OF
BORRERO
VOLUME

U. S. GEOLOGICAL SURVEY
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EXPLANATION

- Alluvium
Unconsolidated gravel, sand, silt, and clay underlying the central parts of the valley areas of the principal streams, generally moderately to highly water yielding.
- Alluvial fan deposits
Unconsolidated, poorly bedded gravel, sand, and silt underlying the relatively steep fans bordering the mountain fronts, equivalent in age to the alluvium but moderately to poorly water yielding. Water levels commonly are deep.
- Older alluvial fan deposits
Partly consolidated, highly dissected alluvial gravel, sand, and silt, may yield water in moderate amounts; water levels probably are deep.
- Continental deposits
Partly consolidated gravel, sand, silt, and clay, largely continental but includes some lacustrine marine deposits in southwest part of area; continental beds locally are highly water yielding.
- Block fault complex
Undifferentiated crystalline and metamorphic rocks making up the mountains part of the area and underlying the sedimentary deposits, includes granite, diorite, gneiss, schist, marble, and some extrusive rocks of possible Tertiary age, essentially non-water bearing.
- Boundary of San Felipe Creek drainage system
- Boundary between principal areas
- Approximate position of fault
U, upthrown side; D, downthrown side
- Approximate position of anticlinal axis
- Approximate position of synclinal axis
- Approximate position of geologic contact
- Strike and dip of beds
- Approximate direction of dip of beds, strike undetermined
- Irrigation well
- Domestic, stock, or unused well
- Dry or destroyed well
- Dry lake

4.5 MILES EAST OF MAP LARRIZO CREEK FLOWS INTO SAN FELIPE CREEK WHICH FLOWS TO SALTON SEA

MAP OF BORRERO, OCOTILLO, SAN FELIPE, AND VALLECITO AREAS, CALIFORNIA
SHOWING RECONNAISSANCE GEOLOGY AND LOCATIONS OF WELLS, 1953

Base from U. S. G. S. and U. S. Army topographic maps
Land lines are approximate

Geology and fault locations of area
by W. L. Burdick, 1953