(200)
G5ce3m
PLEASE REPLACE IN POCKET 58-7
IN BACK OF BOUND VOLUME

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PLATE I

MORONGO VALLEY QUADRANGLE
CALIFORNIA
15 MINUTE SERIES (TOPOGRAPHIC)

U.S. GEOLOGICAL SURVEY
LIBRARY

EXPLANATION

QUATERNARY

Recent

Qyfa

Younger fan alluvium
Unconsolidated boulders, gravel, sand, silt, and clay in fans and stream channels; poorly sorted; moderately permeable but largely unsaturated

Qofa

Older fan alluvium
Unconsolidated compact arkosic boulders, gravel, sand, silt, and clay; poorly sorted; where saturated yields water to wells in moderate quantities and contains most of the stored ground water in the area

Qv

Volcanic rocks
Predominantly basalt flows but locally mudflow and agglomerate; not tapped by water wells

Pleistocene

Qc

Cabezon fanglomerate of Vaughan (1922)
Poorly indurated boulders, gravel, sand, silt, and clay, brown to red in color; where saturated probably would yield water freely to wells

Qco

Coachella fanglomerate of Vaughan (1922)
Well indurated boulders, gravel, sand, silt, and clay, dark red brown in color; not penetrated by water wells in this area

PRE-TERTIARY

bc

Basement complex
Consolidated metamorphic and igneous rocks; principally quartz monzonite, gneiss, and schist and lesser amounts of diorite, granite, marble, and other metamorphic rocks; virtually not water bearing, except for minor amounts in fractures

Geologic contact

Fault
Dashed where inferred, dotted where concealed, questioned where uncertain

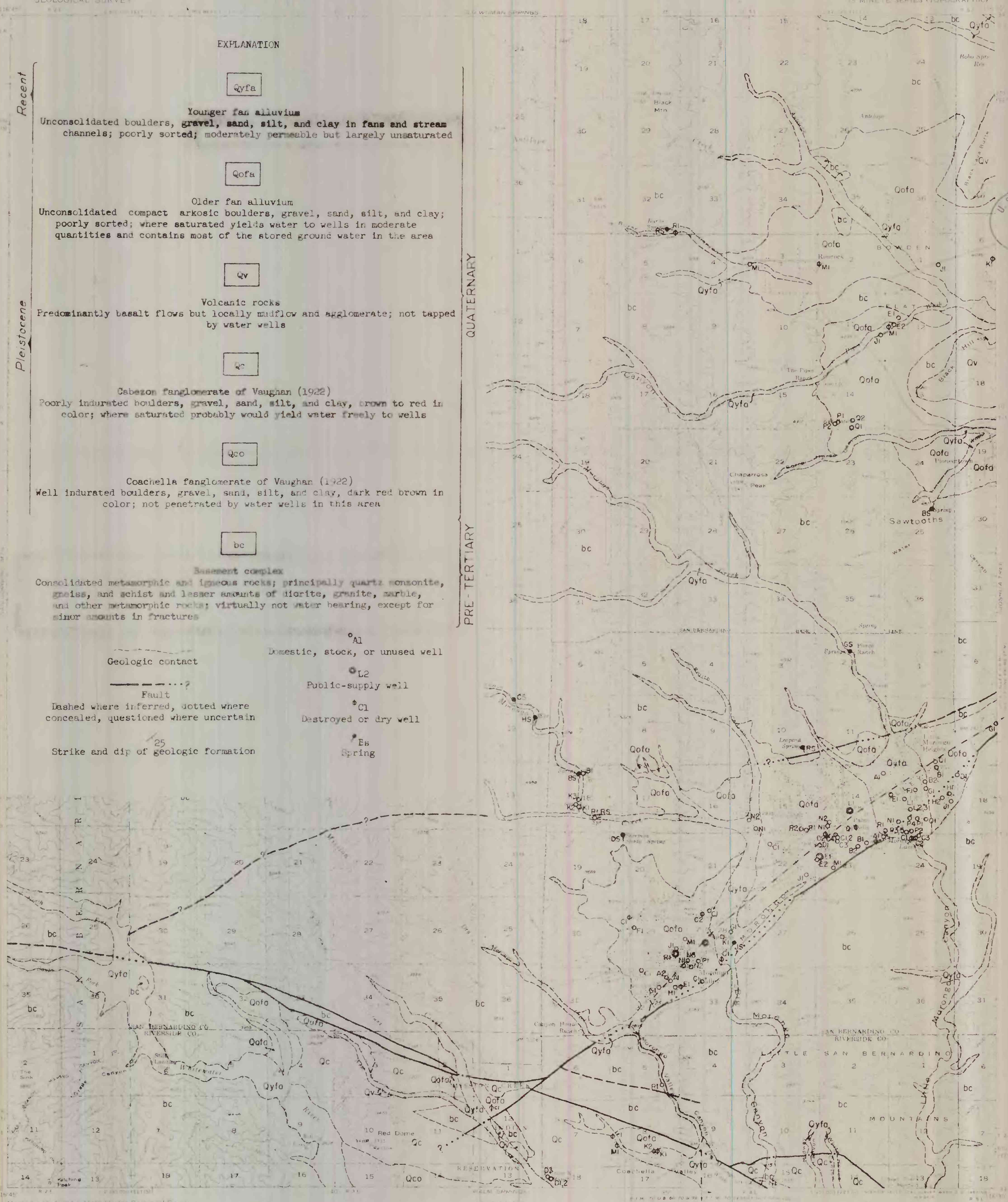
25
Strike and dip of geologic formation

A1
Domestic, stock, or unused well

L2
Public-supply well

C1
Destroyed or dry well

B6
Spring



MAP OF MORONGO VALLEY AND VICINITY

SHOWING RECONNAISSANCE GEOLOGY AND LOCATIONS OF WELLS AND SPRINGS, 1958