DEPARTMENT OF THE INTERIOR
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PLATE 2C

MAP OF KNOWN AND CONJECTURAL FAULTS AND OTHER GEOLOGIC STRUCTURES OF THE NORTH CENTRAL LOS ANGELES AREA

By F. Harold Weber, Jr.

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SCALE
1/2 0 1 MILE
1 0 1 KILOMETER

EXPLANATION

DOMINANT FAULT ZONE: EXPRESSED BY SURFACE AND SUBSURFACE GEOLOGIC CHARACTERISTICS (PLATE 1) AND STEEP GRAVITY GRADIENT (PLATE 2A); ALSO MAY BE EXPRESSED BY STEEP WATER TABLE GRADIENT (PLATE 2B) AND STEEP GRADIENT IN ELEVATION CHANGE

FAULT RECOGNIZED BY SURFACE AND SUBSURFACE GEOLOGIC FEATURES ONLY, DOTTED WHERE CONCEALED.

FAULT, SHOWING DIP

CONCEALED FAULT TENTATIVELY RECOGNIZED OR SUGGESTED ONLY BY STEEPENING OF GRAVITY GRADIENT (FROM PLATE 2A BY R.H. CHAPMAN AND G.W. CHASE).

CONCEALED FAULT SUGGESTED BY STEEPENING OF WATER-TABLE (FROM PLATE 2B BY R.B. SAUL).

CONCEALED FAULT SUGGESTED BY STEEP GRADIENT OF ELEVATION CHANGE (FROM PROFILES PREPARED BY J.H. BENNETT).

FAULT SUGGESTED BY COMBINATION OF TWO OR MORE FACTORS: (1) GEOLOGY, (2) GRAVITY GRADIENT, (3) WATER TABLE GRADIENT, (4) ELEVATION CHANGE.

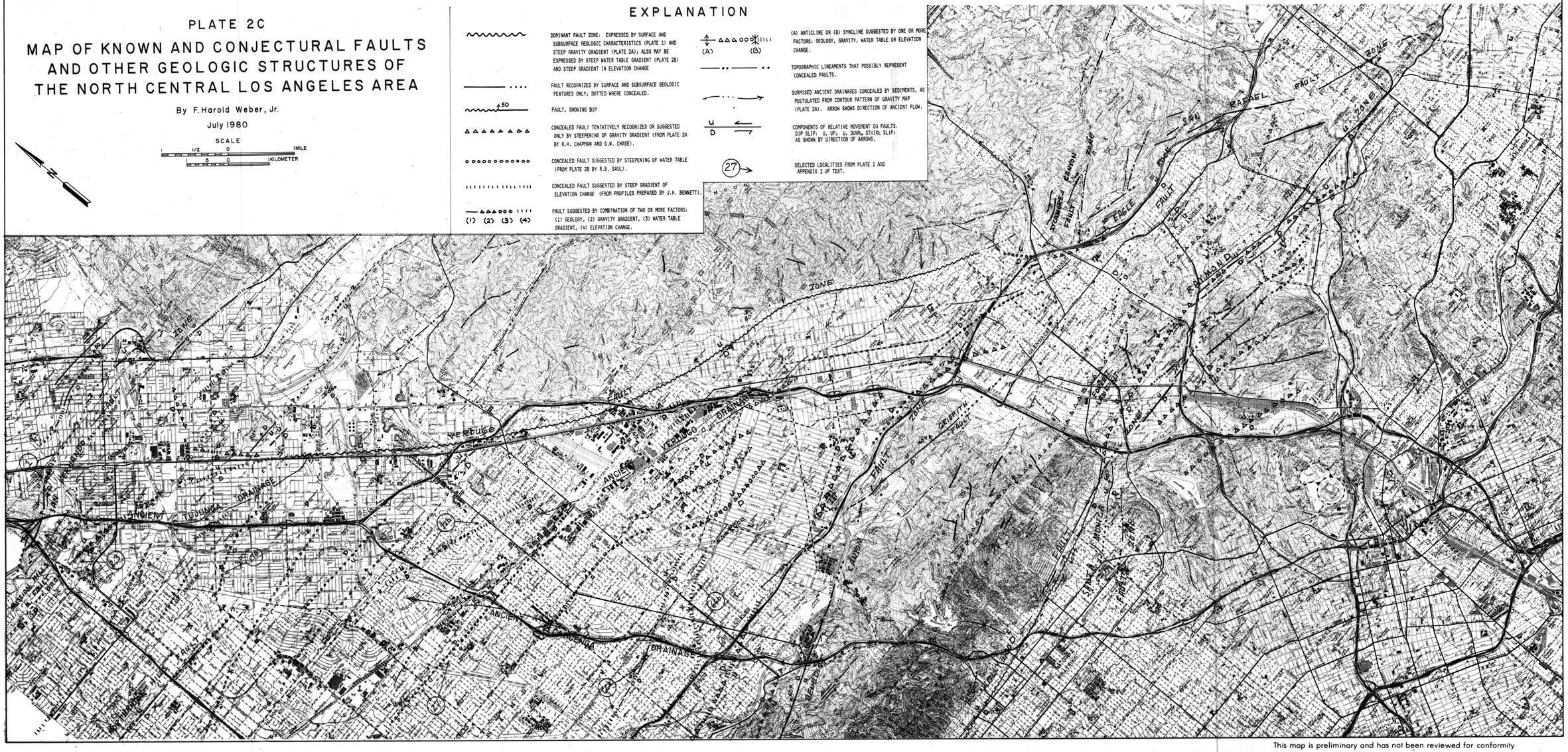
(A) ANTICLINE OR (B) SYNCLINE SUGGESTED BY ONE OR MORE FACTORS: GEOLOGY, GRAVITY, WATER TABLE OR ELEVATION CHANGE.

TOPOGRAPHIC LINEAMENTS THAT POSSIBLY REPRESENT CONCEALED FAULTS.

SURMISED ANCIENT DRAINAGES CONCEALED BY SEDIMENTS, AS POSTULATED FROM CONTOUR PATTERN OF GRAVITY MAP (PLATE 2A). ARROW SHOWS DIRECTION OF ANCIENT FLOW.

COMPONENTS OF RELATIVE MOVEMENT ON FAULTS. DIP SLIP: U, UP; D, DOWN. STRIKE SLIP: AS SHOWN BY DIRECTION OF ARROWS.

SELECTED LOCALITIES FROM PLATE 1 AND APPENDIX I OF TEXT.


VERDUGO
ANCIENT TUJUNGA DRAINAGE
SAN RAFAEL FAULT
GRIFFITH FAULT
RAYMOND FAULT
HOLLYWOOD FAULT
SANTA MONICA FAULT
MISSION HILLS FAULT
STONEHURST FAULT
EAGLE ROCK FAULT
BENEDICT CANYON FAULT
SUNSET FAULT
HOLLYWOOD U ZONE
SAN RAFAEL U ZONE
GRANADA HILLS
SAN FERNANDO
PACOIMA
SUNLAND
TUJUNGA
GLENDALE
BURBANK
HOLLYWOOD
BEVERLY HILLS
LOS FELIZ
EAGLE ROCK
PASADENA
ALTADENA
SAN MARINO
SOUTH PASADENA
MONTEREY PARK
ALHAMBRA
SAN GABRIEL
SAN GABRIEL MTS.
SAN GABRIEL FAULT
SAN GABRIEL CANYON
SAN GABRIEL RIVER
SAN GABRIEL RIVER FLOOD CONTROL CHANNEL
ARROYO SECO
ARROYO SECO FAULT
RAYMOND BASIN
RAYMOND FAULT
SAN FERNANDO FAULT
SAN FERNANDO VALLEY
SAN FERNANDO RESERVOIR
SAN FERNANDO MISSION
SAN FERNANDO ROAD
SAN FERNANDO ROAD FAULT
SAN FERNANDO ROAD FAULT ZONE
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