OPEN-FILE REPORT 81-966
O.F.R 80-19 L.A.

ANNUAL TECHNICAL REPORT
F.Y. SEPT. 19, 1979 - SEPT. 18, 1980
PLATE NO. 2 MAP NO. 2

CALIFORNIA DIVISION OF MINES AND GEOLOGY
JAMES F. DAVIS, STATE GEOLOGIST

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF CONSERVATION

RESEARCH SPONSORED BY THE UNITED STATES GEOLOGICAL SURVEY,
DEPARTMENT OF INTERIOR, UNDER U.S.G.S. CONTRACT 14-08-0001-18241

PREPARED IN COOPERATION WITH THE COUNTY OF ORANGE, CALIFORNIA,
ENVIRONMENTAL MANAGEMENT AGENCY COOPERATIVE AGREEMENT NO. 5-0052

CLASSIFICATION AND MAPPING OF QUATERNARY SEDIMENTARY DEPOSITS FOR PURPOSES OF SEISMIC ZONATION, SOUTH COASTAL LOS ANGELES BASIN, ORANGE COUNTY, CALIFORNIA

SECOND YEAR INTERIM REPORT

INVESTIGATORS: EDWARD C. SPROTTE, DAVID R. FULLER AND RICHARD B. GREENWOOD

PERIOD ENDING SEPTEMBER 18, 1980.

SURFICIAL GEOLOGIC MAP OF QUATERNARY AGE SEDIMENTS
PORTION OF ORANGE COUNTY, CALIFORNIA

LEGEND

Definition of Mapped Units

2 Sand, unconsolidated Holocene alluvial deposits
3 Silt, unconsolidated Holocene alluvial deposits
4 Clay, unconsolidated Holocene alluvial deposits
5 Sand, consolidated Quaternary marine and alluvial deposits
6 Silt, consolidated Quaternary marine and alluvial deposits
7 Clay, consolidated Quaternary marine and alluvial deposits
8 Unconsolidated Holocene intertidal or lagoonal muds
9 Unconsolidated Holocene beach deposits

COUNTY LINE ——— – ———

STUDY BOUNDARY LINE — — — ' — —

NOTE: AN EXPLANATORY TEXT AND EXPANDED LEGEND IS PROVIDED ON PLATE NO. 3

SCALE 1:48,000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

N

PLATE NO. 1 PLATE NO. 2

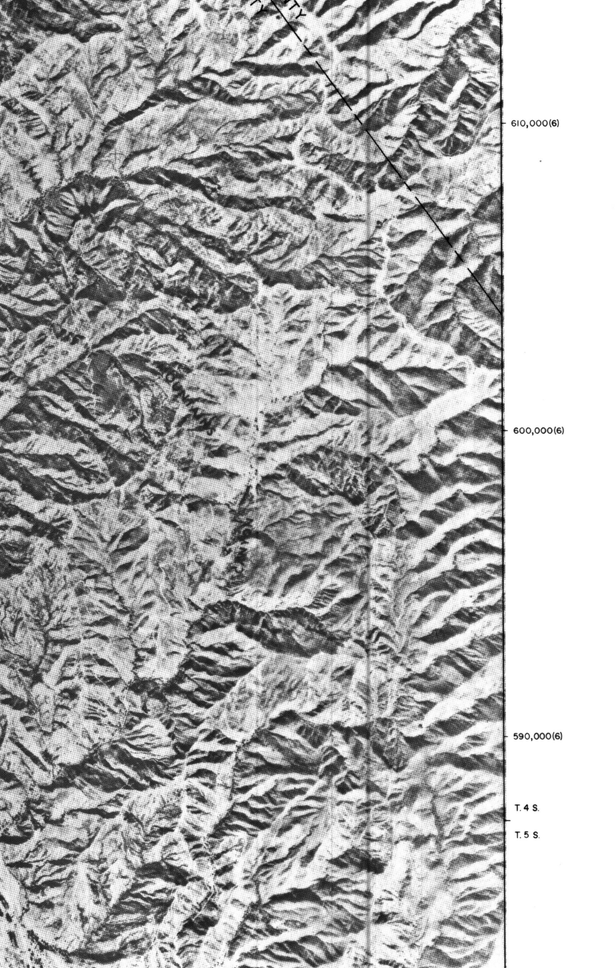

PLATE NO. 3 PLATE NO. 4

ORTHOPHOTO INDEX MAP

BASE MAPS FROM U.S. GEOLOGICAL SURVEY MOSAICED SURVEY MOSAICED ORTHOPHOTO 1:24,000 QUADRANGLES