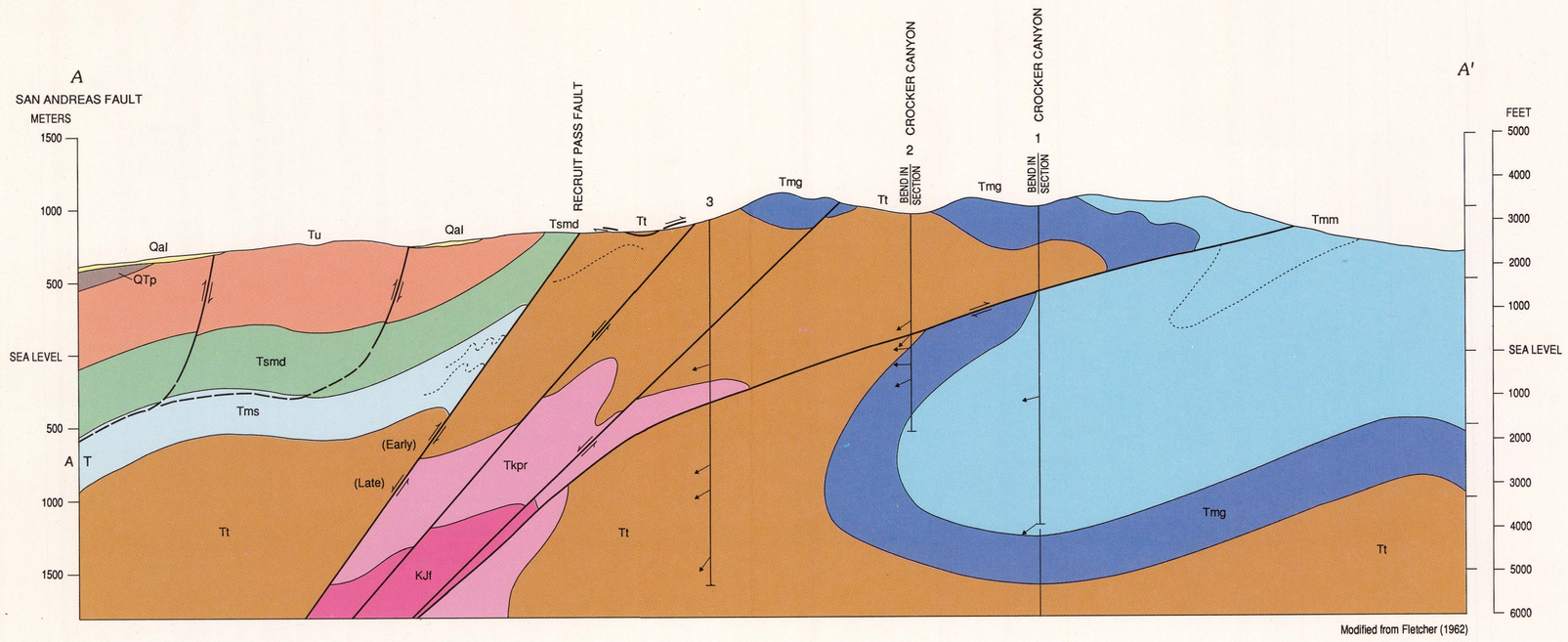

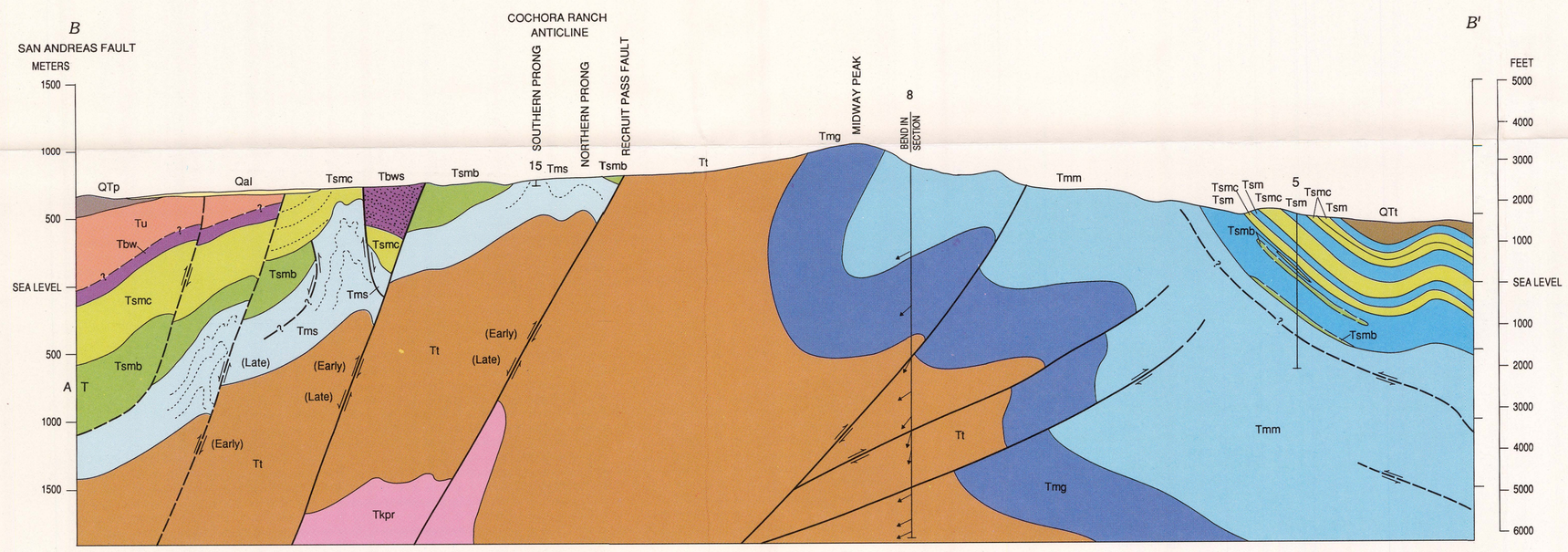

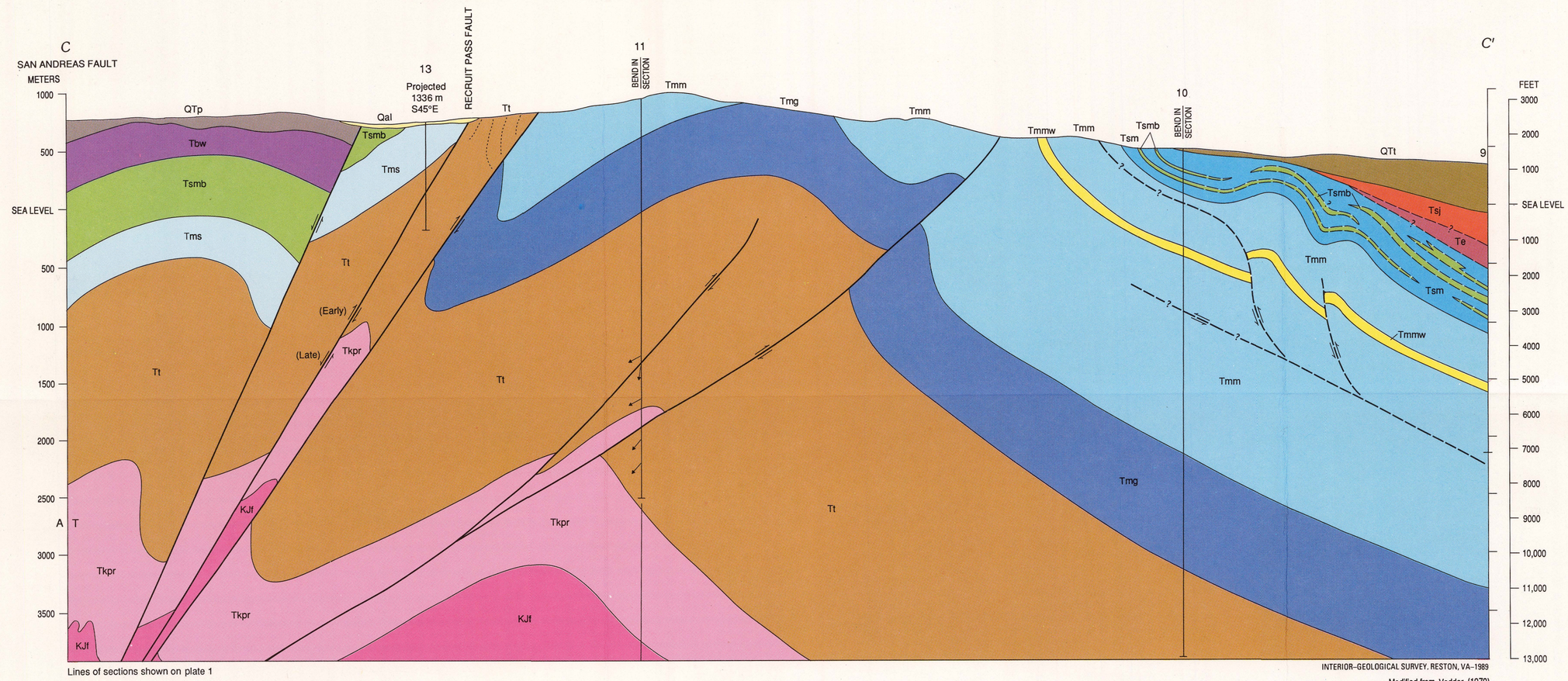

SCALE 1:30 000

1 1/2 0 1 MILE

1 .5 0 1 KILOMETER

EXPLANATION

WEST SIDE OF RANGE

- Qal — ALLUVIUM (HOLOCENE)

Unconformity

- QTp — PASO ROBLES FORMATION (PLEISTOCENE AND PLIOCENE?)

Unconformity

- Tu — UNNAMED MARINE AND NONMARINE SEDIMENTARY ROCKS (PLIOCENE)

Unconformity

- Tbw — BITTERWATER CREEK SHALE (MIOCENE)–Locally divided into:
  - Tbws — Unnamed sandstone unit

Unconformity

SANTA MARGARITA FORMATION (MIOCENE)–

- Tsmd — Member D
- Tsmc — Member C
- Tsmb — Member B

Unconformity

MONTEREY SHALE (MIOCENE)–

- Tms — Shale and sandstone member

Unconformity

- Tt — TEMBLOR FORMATION (MIOCENE AND OLIGOCENE)

Unconformity

KREYENHAGEN FORMATION (EOCENE)–

- Tkpr — Point of Rocks Sandstone Member

Unconformity

- KJf — FRANCISCAN ASSEMBLAGE (CRETACEOUS AND (OR) JURASSIC)

EAST SIDE OF RANGE

- Qal — ALLUVIUM (HOLOCENE)

Unconformity

- QTt — TULARE FORMATION (PLEISTOCENE AND PLIOCENE?)

Unconformity

- Tsj — SAN JOAQUIN FORMATION (PLIOCENE)

Unconformity

- Te — ETCHEGOIN FORMATION (PLIOCENE AND MIOCENE)

Unconformity

- Tsm — SANTA MARGARITA FORMATION (MIOCENE)–Locally divided into:
  - Tsmc — Member C
  - Tsmb — Member B

Unconformity

MONTEREY SHALE (MIOCENE)–

- Tmm — McLure Shale Member–As mapped includes:
  - Tmmw — Williams sandstone of local usage

Unconformity

- Tmg — Gould Shale Member

Unconformity

- Tt — TEMBLOR FORMATION (MIOCENE AND OLIGOCENE)

Unconformity

KREYENHAGEN FORMATION (EOCENE)–

- Tkpr — Point of Rocks Sandstone Member

Unconformity

- KJf — FRANCISCAN ASSEMBLAGE (CRETACEOUS AND (OR) JURASSIC)

——?… CONTACT–Dashed where approximately located or inferred; dotted where bedding shows internal structure of unit; queried where uncertain

A/T —?— FAULT–Dashed where approximately located; queried where uncertain; showing direction of movement; A, away from observer; T, toward observer; arrows indicate direction of relative movement

10 — DRILL HOLE–Number refers to plate 1 and table 1; arrow refers to dip angle determined from core

GEOLOGIC CROSS SECTIONS IN THE SOUTHERN TEMBLOR RANGE, KERN AND SAN LUIS OBISPO COUNTIES, CALIFORNIA