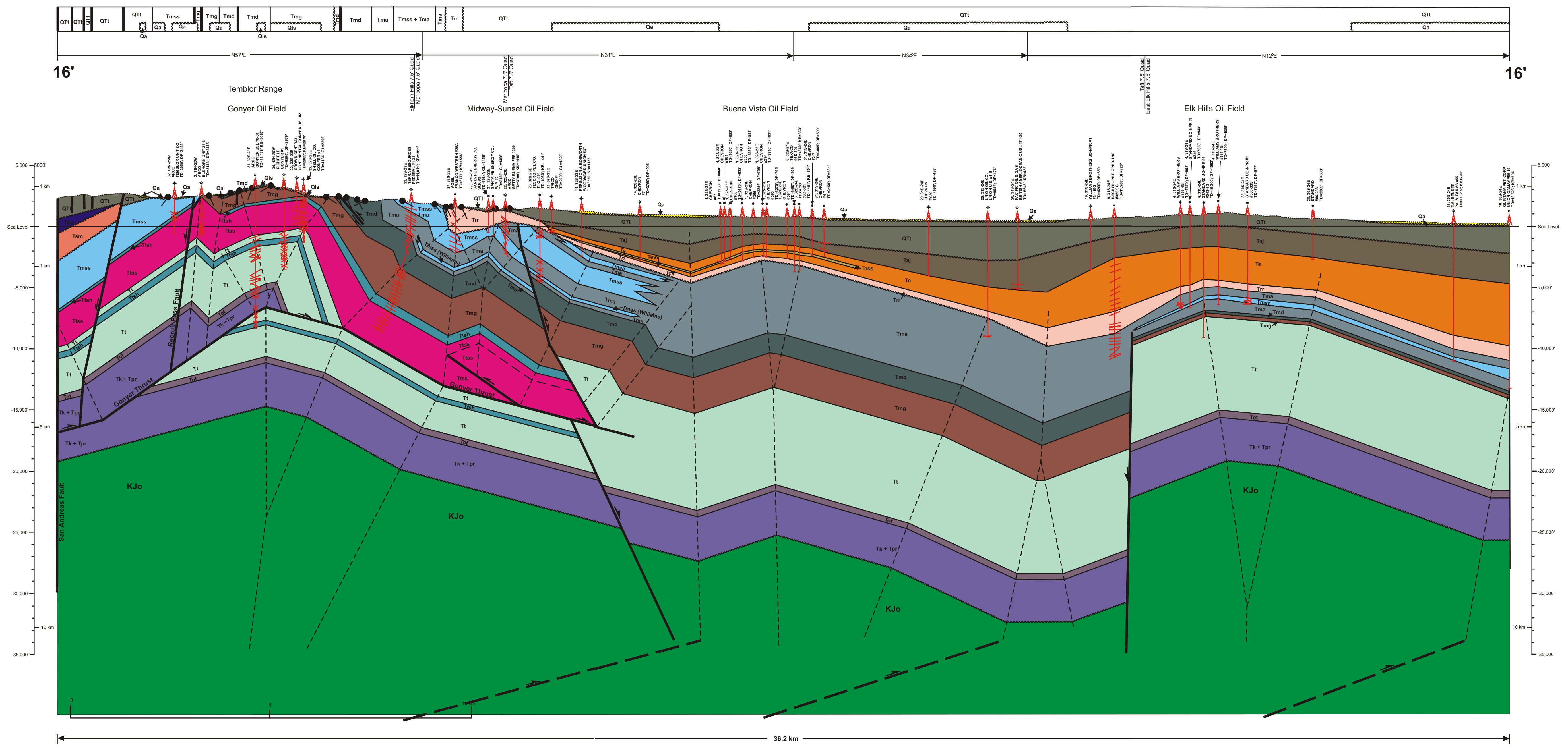
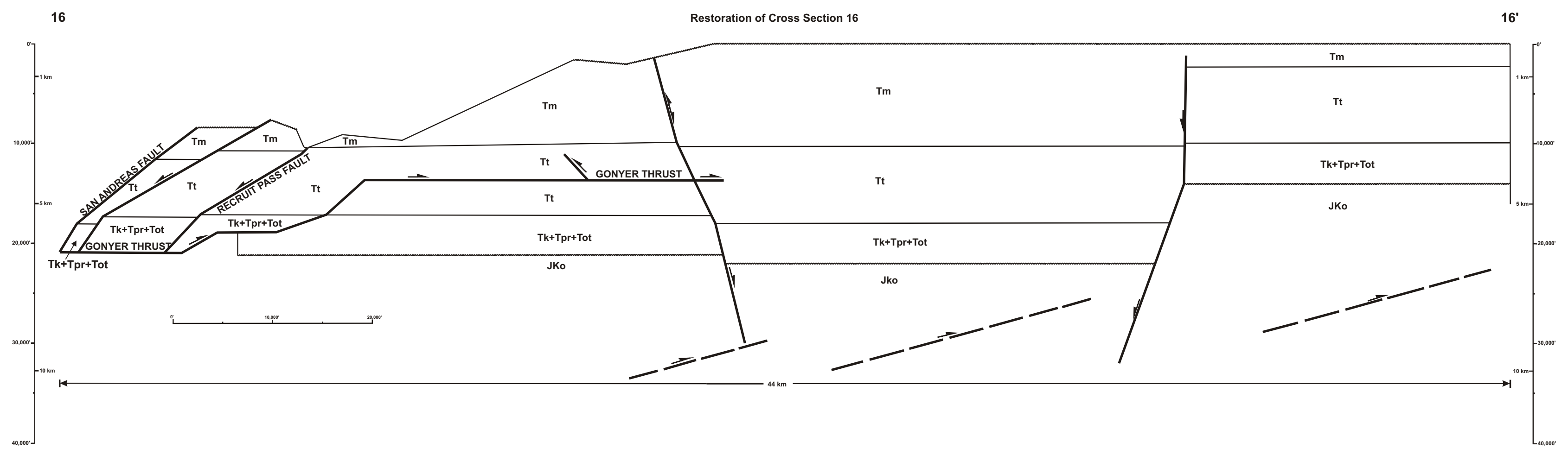

QTt
Qa
Qls
Tmss
Tmg
Tmd
Tma
Tmss + Tma
Trr
N57°E
N31°E
N34°E
N12°E
16'
Elkhorn Hills 7.5' Quad
Maricopa 7.5' Quad
Taft 7.5' Quad
East Elk Hills 7.5' Quad
Temblor Range
Gonyer Oil Field
Midway-Sunset Oil Field
Buena Vista Oil Field
Elk Hills Oil Field
5,000'
Sea Level
-5,000'
-10,000'
-15,000'
-20,000'
-25,000'
-30,000'
-35,000'
1 km
5 km
10 km
Tsm
Ttsh
Ttss
Tt
Tot
Tk + Tpr
KJo
Tsj
Te
Tess
Tmss (Williams)
San Andreas Fault
Recruit Pass Fault
Gonyer Thrust
0
5
10 km
36.2 km


16
Restoration of Cross Section 16
16'
0'
1 km
10,000'
5 km
20,000'
30,000'
10 km
40,000'
Tm
Tt
Tk+Tpr+Tot
JKo
Jko
SAN ANDREAS FAULT
RECRUIT PASS FAULT
GONYER THRUST
0'
10,000'
20,000'
44 km

Qa Qls — Qa: Alluvium; Qls: Landslide debris

Unconformity

Qoa — Qoa: Older aluvium

Unconformity

QTt — QTt: Tulare Formation

Unconformity

Tuc Tsj Te Tess — Tuc: Unnamed sandstone and conglomerate of Dibblee; Tsj: San Joaquin Formation; Te: Etchegoin Formation; Tess: Sandstone-dominated facies

Unconformity

Tsm Trr — Tsm: Santa Margarita Formation; Trr: Reef Ridge shale

Unconformity

Tm Tmu Tml Tma Tmd Tmg Tmss — Tm: Monterey Formation; Tmu: Upper Miocene portion (Mohnian); Tml: Middle Miocene portion (Relizian-Luisian); Tma: Antelope Shale Member; Tmd: McDonald Shale Member; Tmg: Gould Shale Member; Tmss: Sandstone-dominated facies

Unconformity

Tt Ttsh Ttss — Tt: Temblor Formation; Ttsh: Shale and/or siltstone-dominated facies; Ttss: Sandstone-dominated facies

Tot Tush Toss — Tot: Undifferentiated Tumey Shale and Oceanic Sandstone; Tush: Tumey Shale; Toss: Oceanic Sandstone

Tk Tpr — Tk: Kreyenhagen Shale; Tpr: Point of Rocks Sandstone

Unconformity

TKu — TKu: Undifferentiated lower Tertiary and/or Cretaceous Sandstone, shale, and Conglomerate

Unconformity

KJo — KJo: Oceanic basement rocks-undifferentiated Coast Range ophiolite and Franciscan Assemblage

DAVIS ◆ NAMSON
CONSULTING GEOLOGISTS

3916 Foothill Blvd., Suite B, La Crescenta, CA, 91214
Ph:(818) 248-2141, Fax:(818) 248-1957 email:davnamthom@aol.com,
www.davisnamson.com

Southern California Cross Section Study
Cross-Section 16-16'

1:24,000 scale (1"=2000')

Date: Oct., 1998

Geology: J. Namson

Computer Drafting by: Geoff Gallant