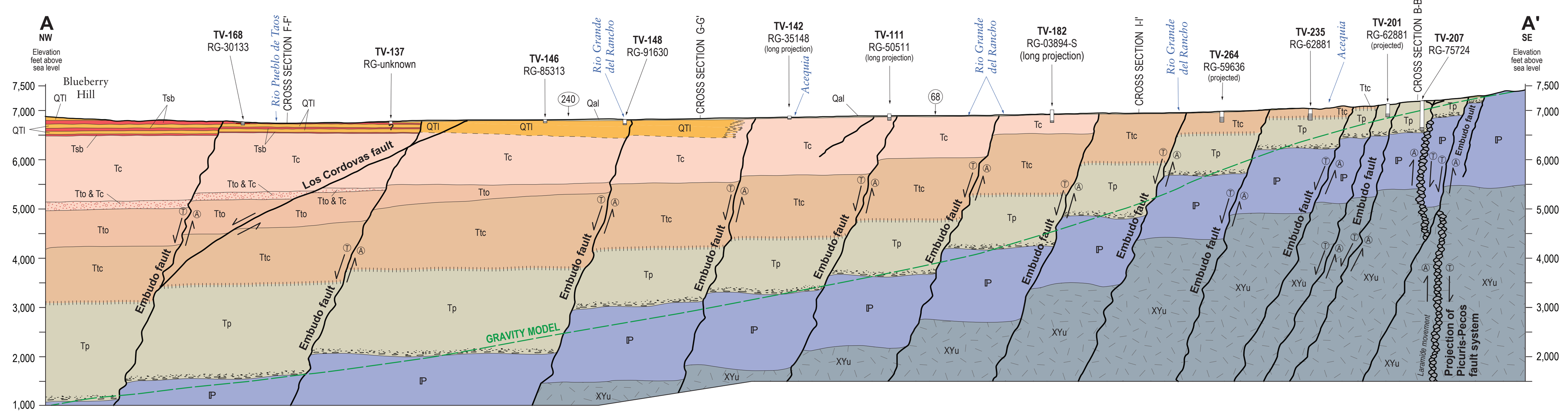
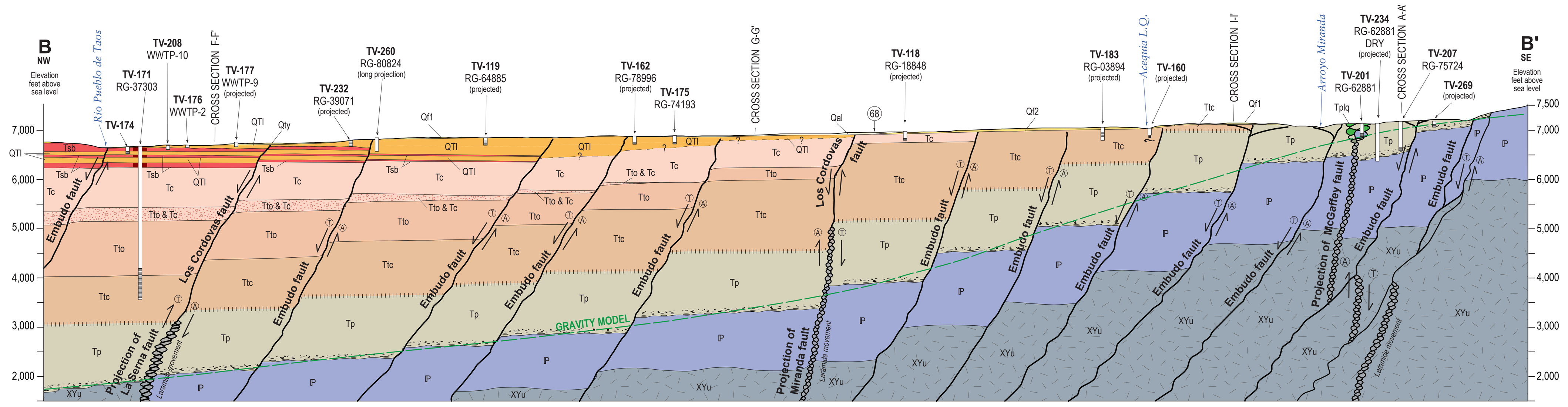
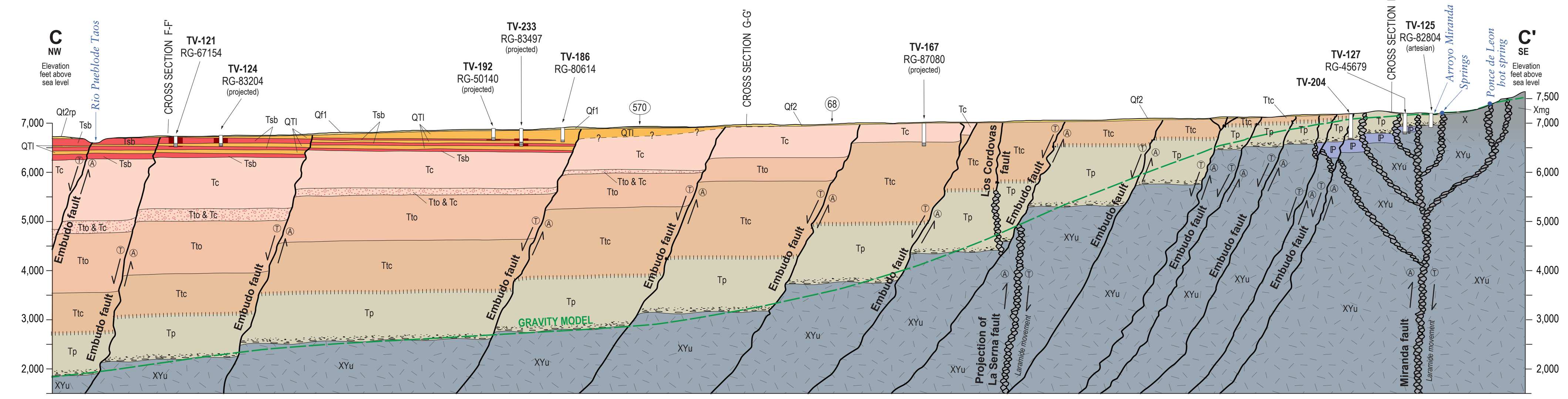
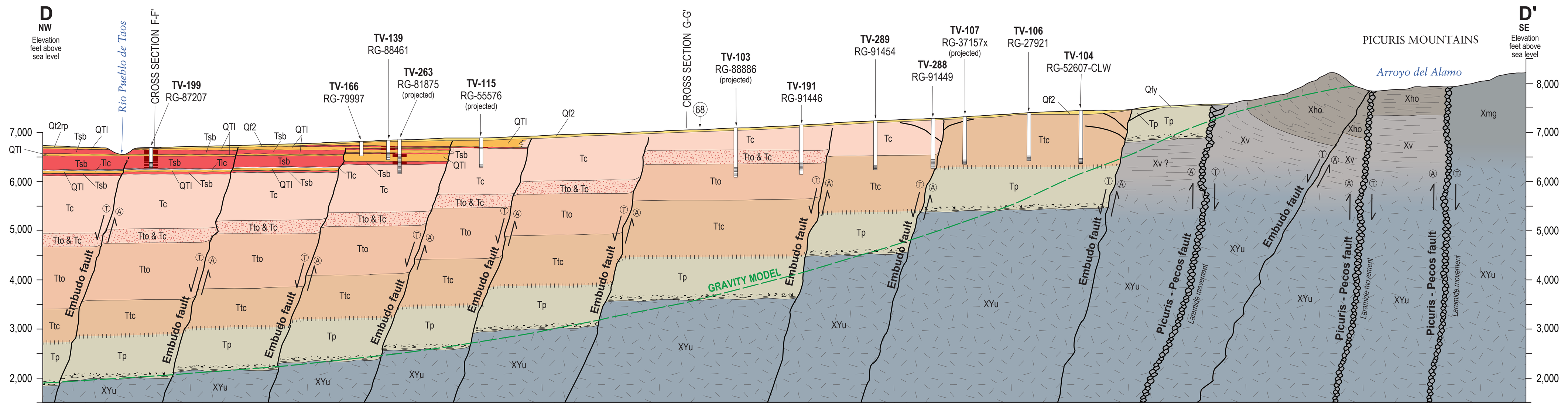
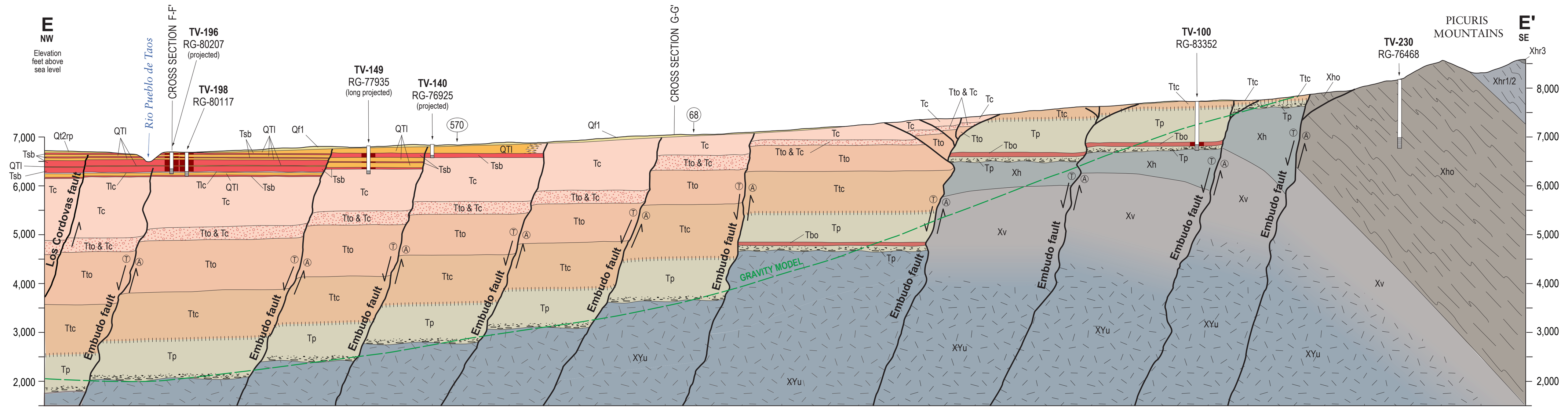
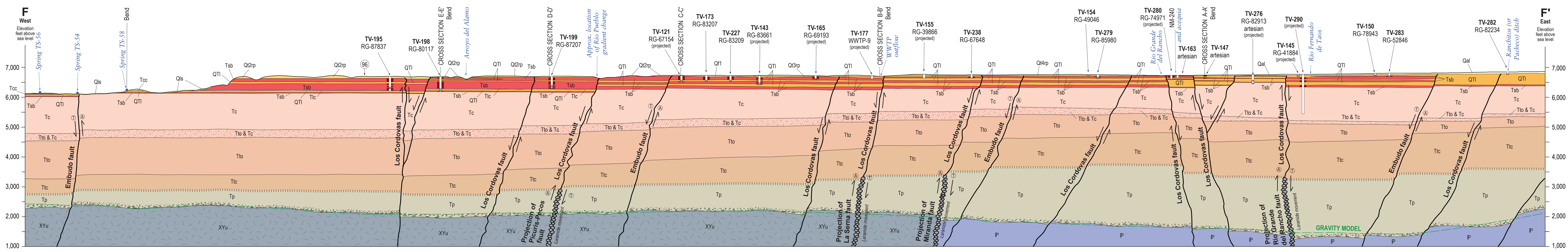


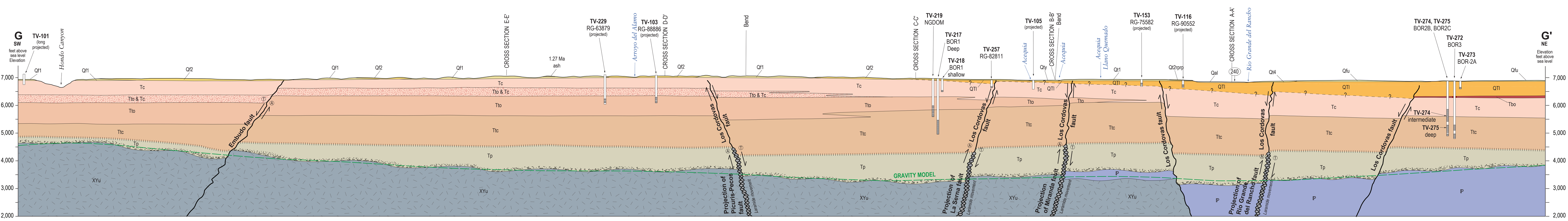












Location

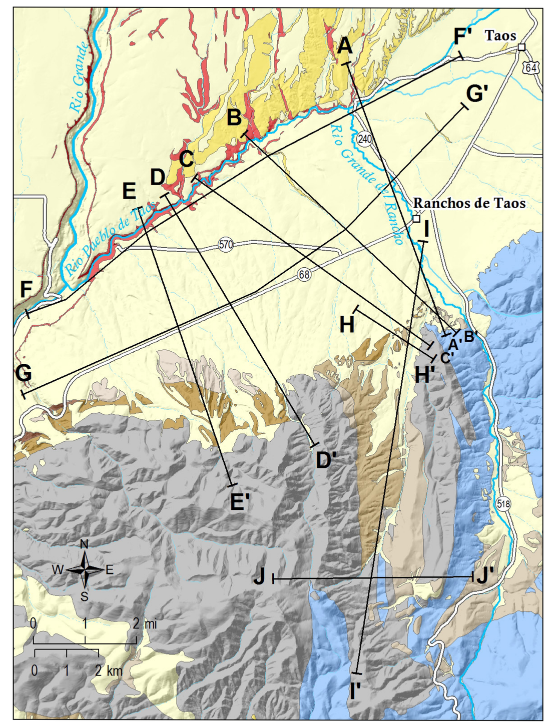
Scale 1:24,000

No vertical exaggeration

0 — 1,000 meters

0 — 2,000 feet

GIS Support: Mark Mansell and Brigitte Felix



Geologic units *(Detailed map unit desriptions are in Appendix 1)*

Cenozoic deposits and rocks

Qal	Alluvium (latest Pleistocene and Holocene)
Qc	Colluvium (middle Pleistocene to Holocene)
Qls	Landslides in Rio Grande gorge and tributaries (late Pleistocene to Holocene)
Qfy Qty	Young alluvial-fan and stream terrace deposits (latest Pleistocene to Holocene)
Qt4rp	Alluvial-fan and stream terrace deposits of the Rio Pueblo de Taos and tributaries (middle? to late Pleistocene)
Qt3rp	Alluvial-fan and stream terrace deposits of the Rio Pueblo de Taos and tributaries (middle to late Pleistocene)
Qf2 Qt2rp	Alluvial-fan and stream terrace deposits of the Rio Pueblo de Taos and tributaries (middle? Pleistocene)
Qf1	Alluvial-fan and stream terrace deposits of the Rio Pueblo de Taos and tributaries (middle Pleistocene)
Qfu	Alluvial fan deposits, undivided (middle to late Pleistocene)
Qfo	Alluvial fan and terrace deposits, undivided (middle to late Pleistocene)
Tsb	Servilleta Basalt (Pliocene)
QTl	Lama formation (Pliocene to early? Pleistocene)
Tlc	Clay, Lama formation (Pliocene)
Tc	Chamita Formation, undivided, Santa Fe Group (Miocene? and Pliocene)
Tto	Ojo Caliente Sandstone of Tesuque Formation, Santa Fe Group (Miocene)
Ttc	Chama-El Rito Member of Tesuque Formation, Santa Fe Group (Miocene)
Tp	Picuris Formation, undivided (Oligocene to Miocene)
Tplq	Llano Quemado Breccia member of Picuris Formation (Oligocene)
Tbo	Older basaltic rocks (Oligocene)

Paleozoic rocks

breccia	Mixed fault breccia (late Proterozoic? to Tertiary?)
IP	Sedimentary rocks of the Taos Trough, undivided (Pennsylvanian)

Proterozoic rocks

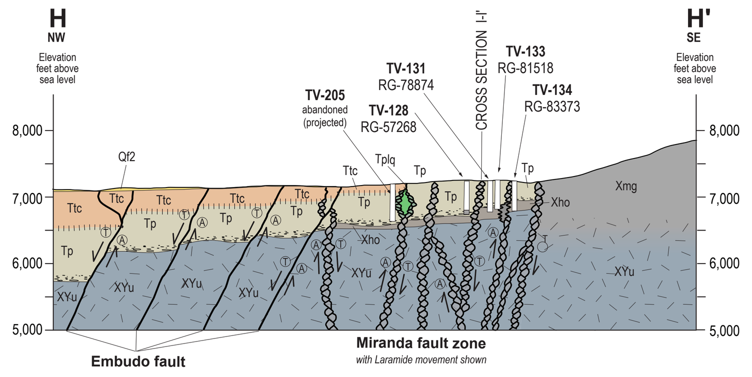
Ytpl	Piedra Lumbre Formation, Trampas Group (Mesoproterozoic)
Ytp	Pilar Formation, Trampas Group (Mesoproterozoic)
Xh	Hondo Group, undivided (Paleoproterozoic)
Xhr	Rinconada Formation (Paleoproterozoic)
Xhr6	R6 schist member, Rinconada Formation (Paleoproterozoic)
Xhr5	R5 quartzite member, Rinconada Formation (Paleoproterozoic)
Xhr3	R3 quartzite member, Rinconada Formation (Paleoproterozoic)
Xhr1/2	R1/R2 schist member, Rinconada Formation (Paleoproterozoic)
Xho	Ortega Formation, Hondo Group, undivided (Paleoproterozoic)
Xmg	Miranda granite (Paleoproterozoic?)
Xvg	Glenwoody Formation (Paleoproterozoic)
Xv	Vadito Group, undivided
XYu	Proterozoic rocks, undivided (Paleoproterozoic and Mesoproterozoic)

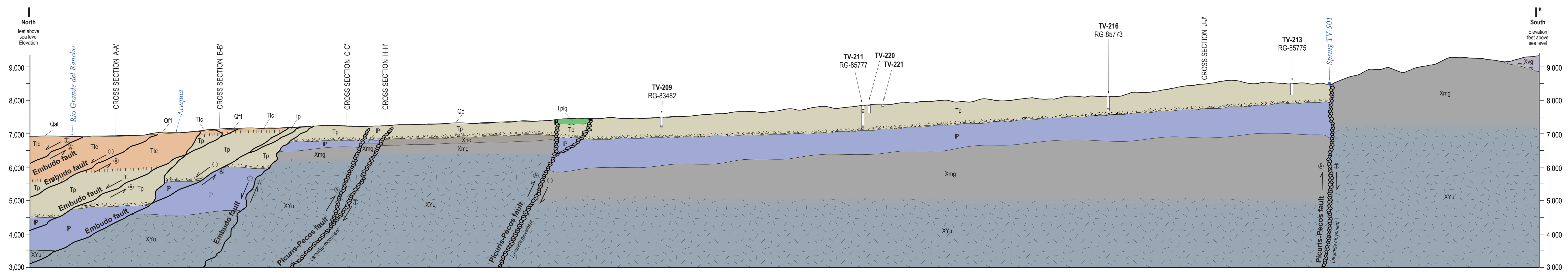
Map symbols

- Fault – Arrows show sense of vertical movement
- Ⓐ Strike-slip fault movement, away
- Ⓣ Strike-slip fault movement, toward
- Contact
- Gradational contact

Well key

- TV-154 — NMBG database name *(Table 1 and Figure 5)*
- RG-49046 — OSE well file number
- Well head *(actual elevation, if projected)*
- Volcanic intervals *(Tv from well record)*
- Screened interval



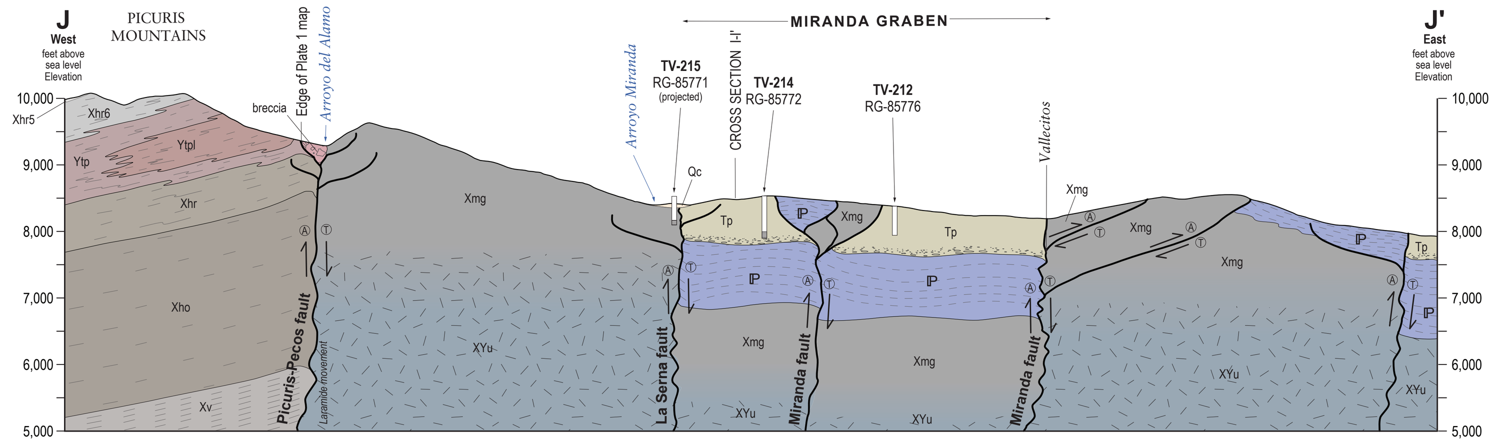


N E W   M E X I C O   B U R E A U   O F   G E O L O G Y   A N D   M I N E R A L   R E S O U R C E S

Geologic Cross Sections of the Southern Taos Valley, Taos County, New Mexico

Paul W. Bauer, Peggy S. Johnson, and Keith I. Kelson

Open-file Report 581
June 2016
Plate 2



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