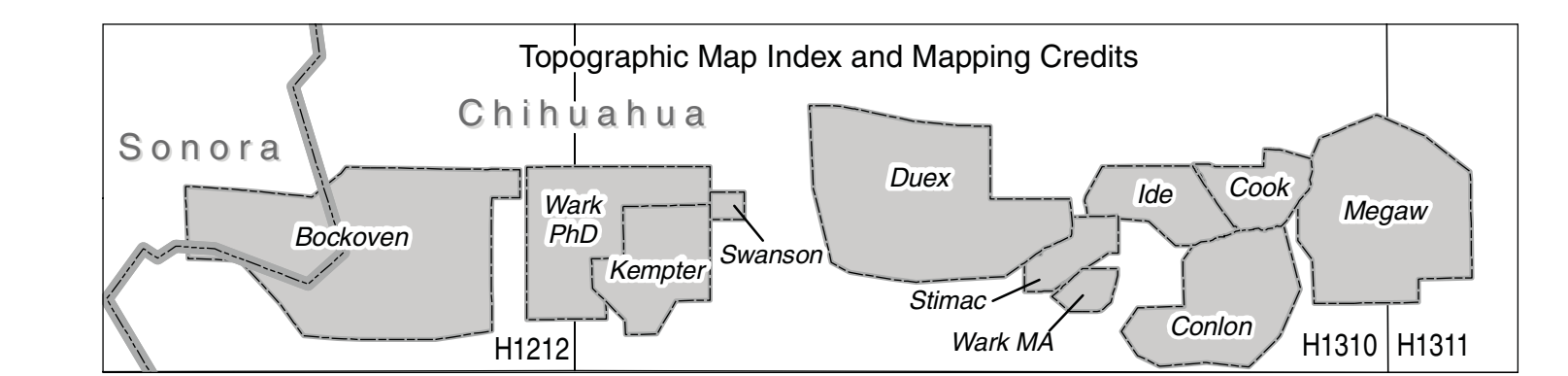
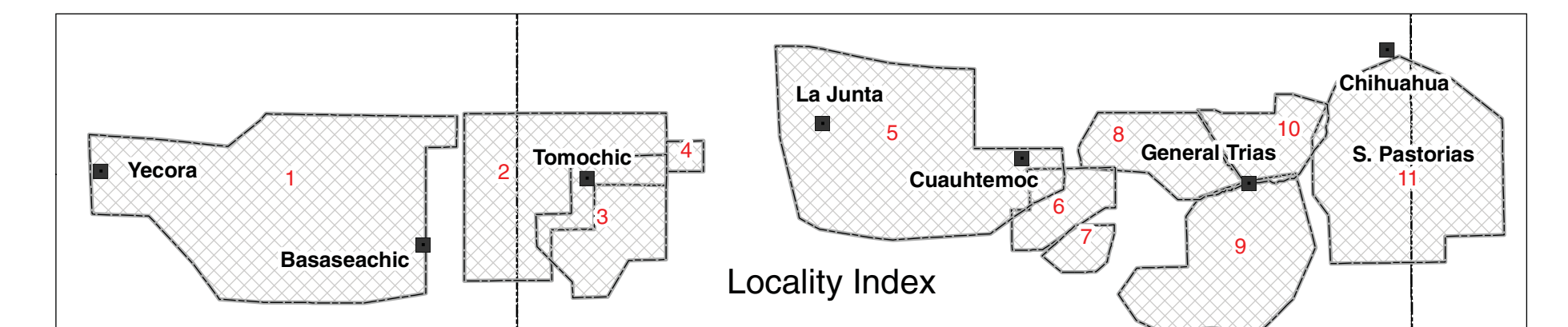
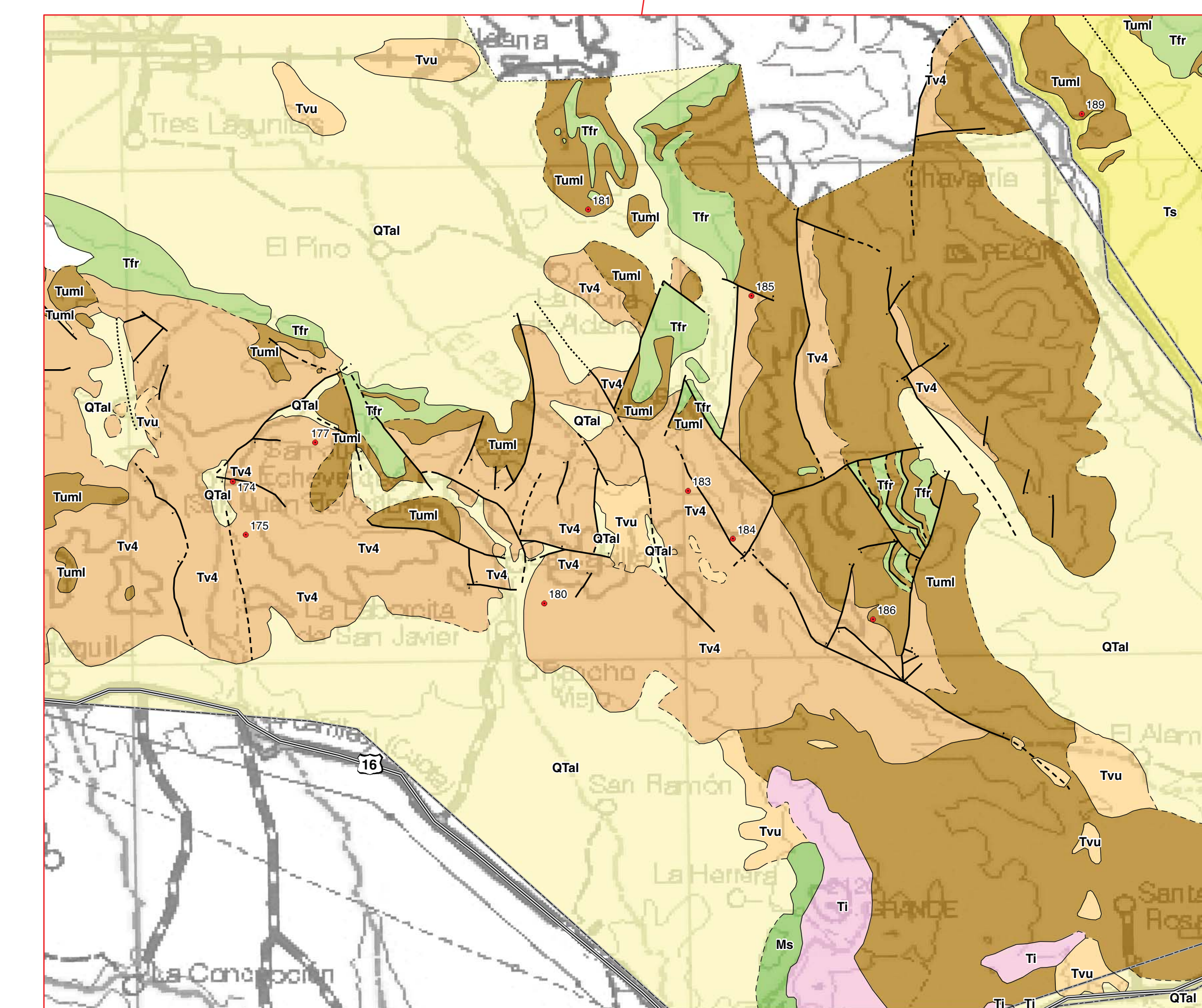
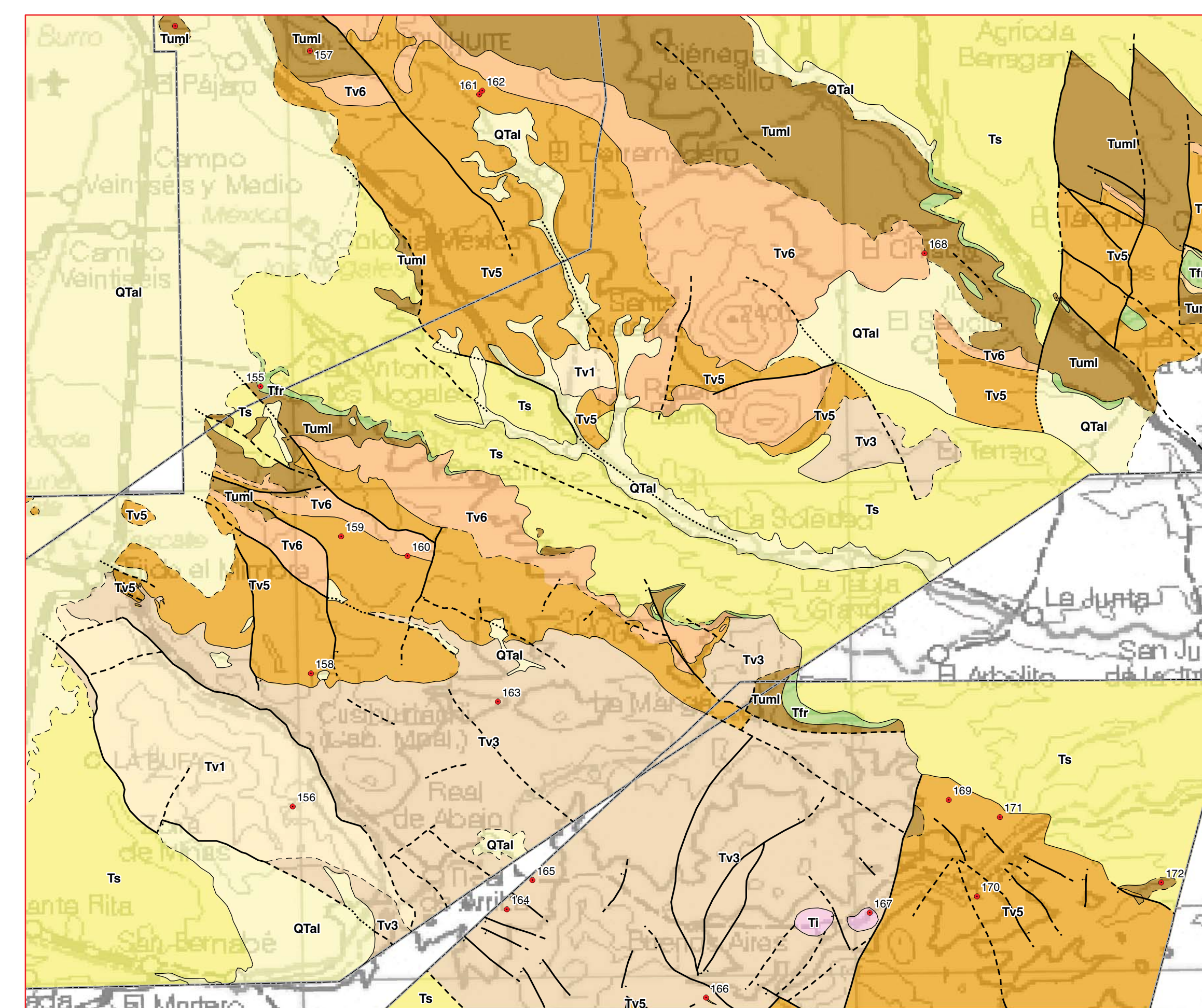
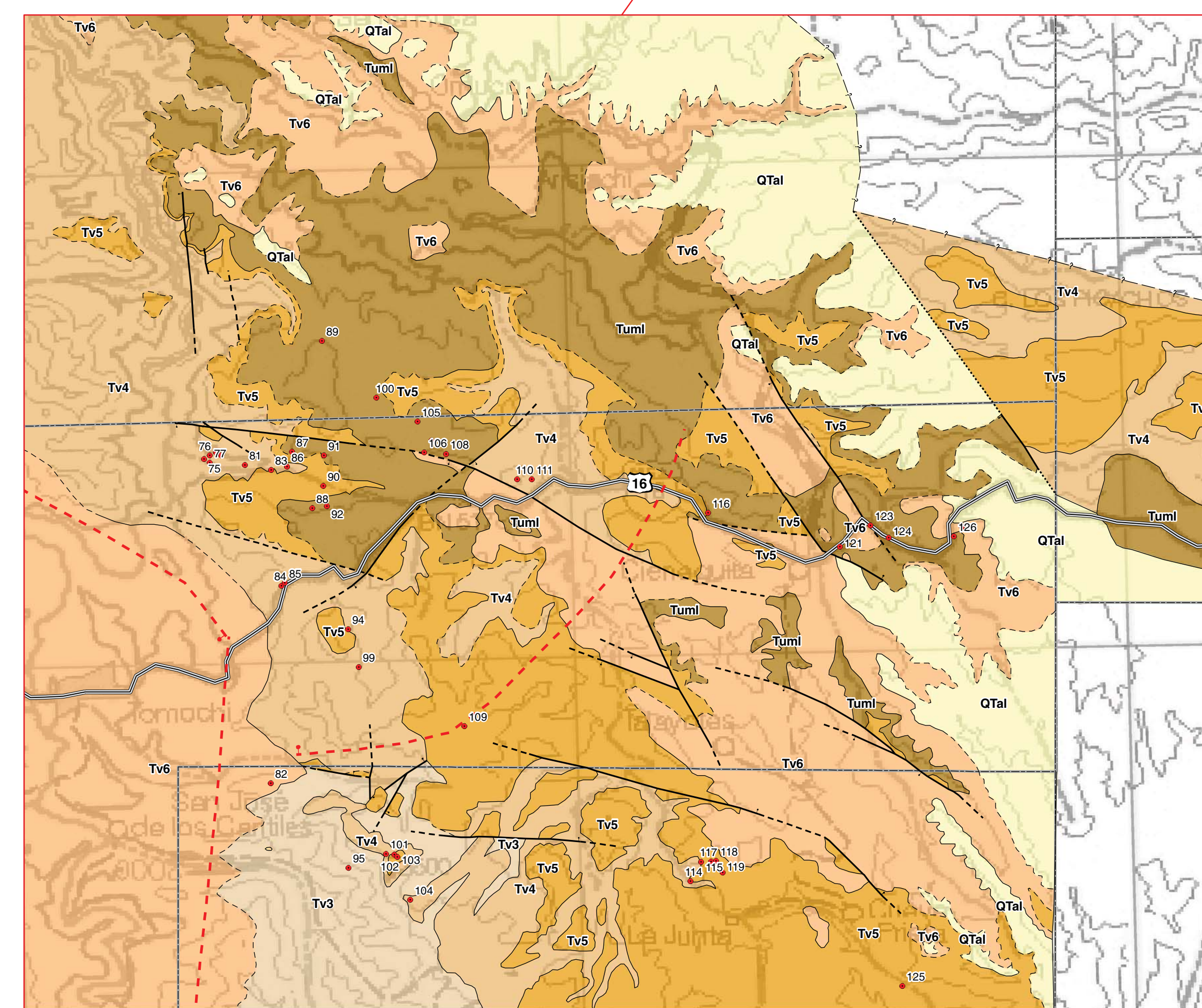


Grayscale topographic maps are georeferenced scans of INEGI 1:250,000 sheets H1310, H1311 and H1212. The transect map as displayed is unprojected and uses the WGS84 datum. Geologic data were digitized at a scale appropriate to the original sources, which in all cases was 1:50,000 or greater.



Explanation

- Geologic Units**
- Quaternary - Late Tertiary**
 - QTal, Alluvium, unconsolidated to poorly consolidated.
 - Late Tertiary**
 - Ts, coarse clastic deposits generally lithified. Associated with NW-trending linear basins.
 - Oligocene - Eocene**
 - Tum1, upper mafic lavas; generally of basaltic andesite composition, generally above or interlayered with Ttr and the uppermost units of Tv.
 - Ttr, ferroaugite rhyolite (Cameron and others, 1980); distinctive rhyolitic ignimbrites characterized by Fe-rich pyroxene and/or fayalitic olivine; ca. 30 Ma.
 - Tvu, felsic volcanic rocks undivided; predominantly pyroclastic.
 - Tv7, felsic lava flows and ignimbrites, intercalated with Tum1 in western portion of transect ca. 23 Ma.
 - Tv6, major interval of felsic ignimbrites, generally poorly welded, with related intermediate and felsic lavas, ca. 30 Ma.
 - Tv5, major interval of felsic ignimbrites and associated units, 31.0-32.5 Ma.
 - Tv4, major interval of felsic ignimbrites and associated units, 33-35.5 Ma.
 - Tv4r1, small rhyolitic intrusions marking caldera structural boundaries in eastern portion of transect.
 - Tv3, locally thick accumulations of felsic ignimbrites and felsic and intermediate lava flows; mainly in eastern portion of transect; 36-37 Ma.
 - Tv2, oldest felsic ignimbrites throughout transect area; in places intercalated with thick intermediate lava flows; 38-39 Ma.
 - Tv1, extremely localized occurrences of intermediate and felsic lava flows in eastern portion of transect; 40-43 Ma.
 - Early Tertiary and Late Cretaceous (?)**
 - KTv5, intermediate to felsic lavas and pyroclastic deposits.
 - Mesozoic**
 - M5, sedimentary rocks, undivided.
 - Intrusions**
 - Tl, small intrusions of middle Tertiary age.
 - KTI, small intrusions of Late Cretaceous and early Tertiary age.
 - Unit contacts**
 - certain
 - - - inferred
 - covered
 - - - added in edit
 - Caldera Structural Boundaries**
 - - - as mapped, bar and ball on down side
 - - - inferred, bar and ball on down side
 - Faults**
 - certain, bar and ball on down side
 - - - fault, inferred
 - fault, covered
 - Sample site**
 - 15



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 Based upon original mapping by (current addresses provided only for those still active in geosciences): N.T. Backben (ExxonMobil Production Company, P.O. Box 4097, Houston, Texas 77210-4097, USA); S.E. Cooke; S.L. Cook; T.W. Duce (Department of Geology, University of Louisiana at Lafayette, Lafayette, Louisiana 70504-4530, USA); S. Ido; K.A. Kemper (2623 Via Calabro del Norte, Santa Fe, New Mexico 87505, USA); P.K.M. Megaw (IMDEX, P.O. Box 6558, Tucson, Arizona 85726, USA); J.A. Smita (Chevron Geoscientific, LTD, Jakarta, Indonesia); J.R. Swanson (Department of Earth and Environmental Science, University of Texas at San Antonio, San Antonio, Texas 78249-0663, USA); D.A. Work (Department of Geology, Rensselaer Polytechnic Institute, Troy, New York 12180-3596, USA).