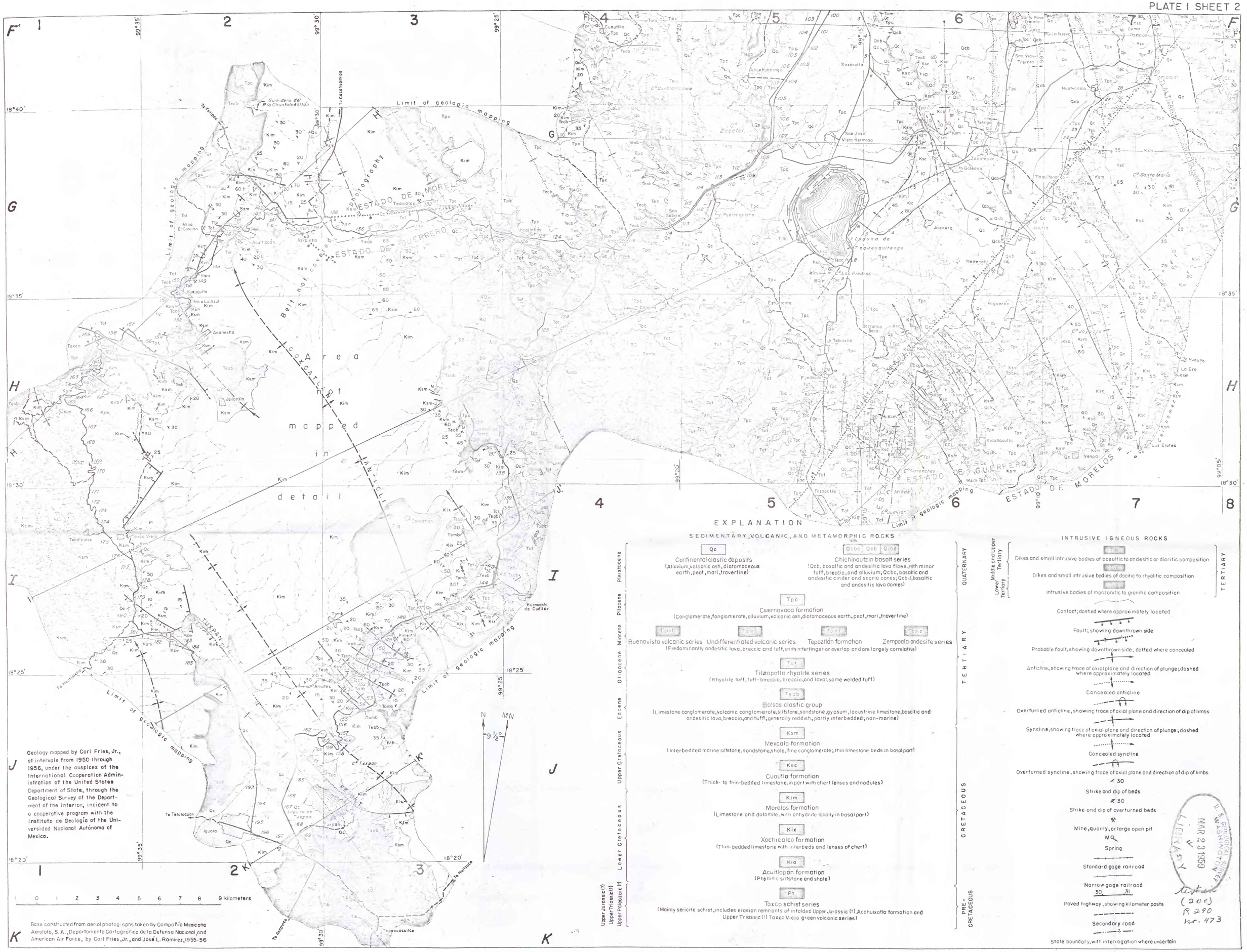

EXPLANATION

SEDIMENTARY, VOLCANIC, AND METAMORPHIC ROCKS

Pleistocene	Qc	Continental clastic deposits (Alluvium, volcanic ash, diatomaceous earth, peat, marl, travertine)	QUATERNARY
Pleistocene	Qcbc Qcb Qcbd	Chichinautzin basalt series (Qcb, basaltic and andesitic lava flows, with minor tuff, breccia, and alluvium; Qcbc, basaltic and andesitic cinder and scoria cones; Qcbd, basaltic and andesitic lava domes)	QUATERNARY
Pliocene	Tpc	Cuernavaca formation (Conglomerate, fanglomerate, alluvium, volcanic ash, diatomaceous earth, peat, marl, travertine)	TERTIARY
Miocene	Tomb	Buenavista volcanic series (Predominantly andesitic lava, breccia and tuff, units interfinger or overlap and are largely correlative)	TERTIARY
Miocene	Tob	Undifferentiated volcanic series (Predominantly andesitic lava, breccia and tuff, units interfinger or overlap and are largely correlative)	TERTIARY
Miocene	Tomt	Tepoztlán formation (Predominantly andesitic lava, breccia and tuff, units interfinger or overlap and are largely correlative)	TERTIARY
Miocene	Tomz	Zempoala andesite series (Predominantly andesitic lava, breccia and tuff, units interfinger or overlap and are largely correlative)	TERTIARY
Oligocene	Tot	Tilzapotla rhyolite series (Rhyolite tuff, tuff-breccia, breccia, and lava; some welded tuff)	TERTIARY
Eocene	Teob	Balsas clastic group (Limestone conglomerate, volcanic conglomerate, siltstone, sandstone, gypsum, lacustrine limestone, basaltic and andesitic lava, breccia, and tuff; generally reddish, partly interbedded; non-marine)	TERTIARY
Upper Cretaceous	Ksm	Mexcala formation (Interbedded marine siltstone, sandstone, shale, fine conglomerate; thin limestone beds in basal part)	CRETACEOUS
Upper Cretaceous	Ksc	Cuautla formation (Thick- to thin-bedded limestone, in part with chert lenses and nodules)	CRETACEOUS
Lower Cretaceous	Kim	Morelos formation (Limestone and dolomite, with anhydrite locally in basal part)	CRETACEOUS
Lower Cretaceous	Kix	Xochicalco formation (Thin-bedded limestone with interbeds and lenses of chert)	CRETACEOUS
Lower Cretaceous	Kia	Acuitlapán formation (Phyllitic siltstone and shale)	CRETACEOUS
Upper Jurassic(?) Upper Triassic(?) Upper Paleozoic(?)	Pt	Taxco schist series (Mainly sericite schist, includes erosion remnants of infolded Upper Jurassic(?) Acahuixotla formation and Upper Triassic(?) Taxco Viejo green volcanic series)	PRE-CRETACEOUS

INTRUSIVE IGNEOUS ROCKS

Middle and Upper Tertiary / Lower Tertiary	Tib	Dikes and small intrusive bodies of basaltic to andesitic or dioritic composition
Middle and Upper Tertiary / Lower Tertiary	Tid	Dikes and small intrusive bodies of dacitic to rhyolitic composition
Middle and Upper Tertiary / Lower Tertiary	Tiz	Intrusive bodies of monzonitic to granitic composition

- Contact; dashed where approximately located
- Fault; showing downthrown side
- Probable fault, showing downthrown side; dotted where concealed
- Anticline, showing trace of axial plane and direction of plunge; dashed where approximately located
- Concealed anticline
- Overturned anticline, showing trace of axial plane and direction of dip of limbs
- Syncline, showing trace of axial plane and direction of plunge; dashed where approximately located
- Concealed syncline
- Overturned syncline, showing trace of axial plane and direction of dip of limbs
- 30 Strike and dip of beds
- 30 Strike and dip of overturned beds
- Mine, quarry, or large open pit
- MQ Spring
- Standard gage railroad
- Narrow gage railroad
- 30 31 Paved highway, showing kilometer posts
- Secondary road
- State boundary, with interrogation where uncertain

GEOLOGIC MAP OF WESTERN MORELOS AND EXTREME NORTH-CENTRAL GUERRERO, MEXICO