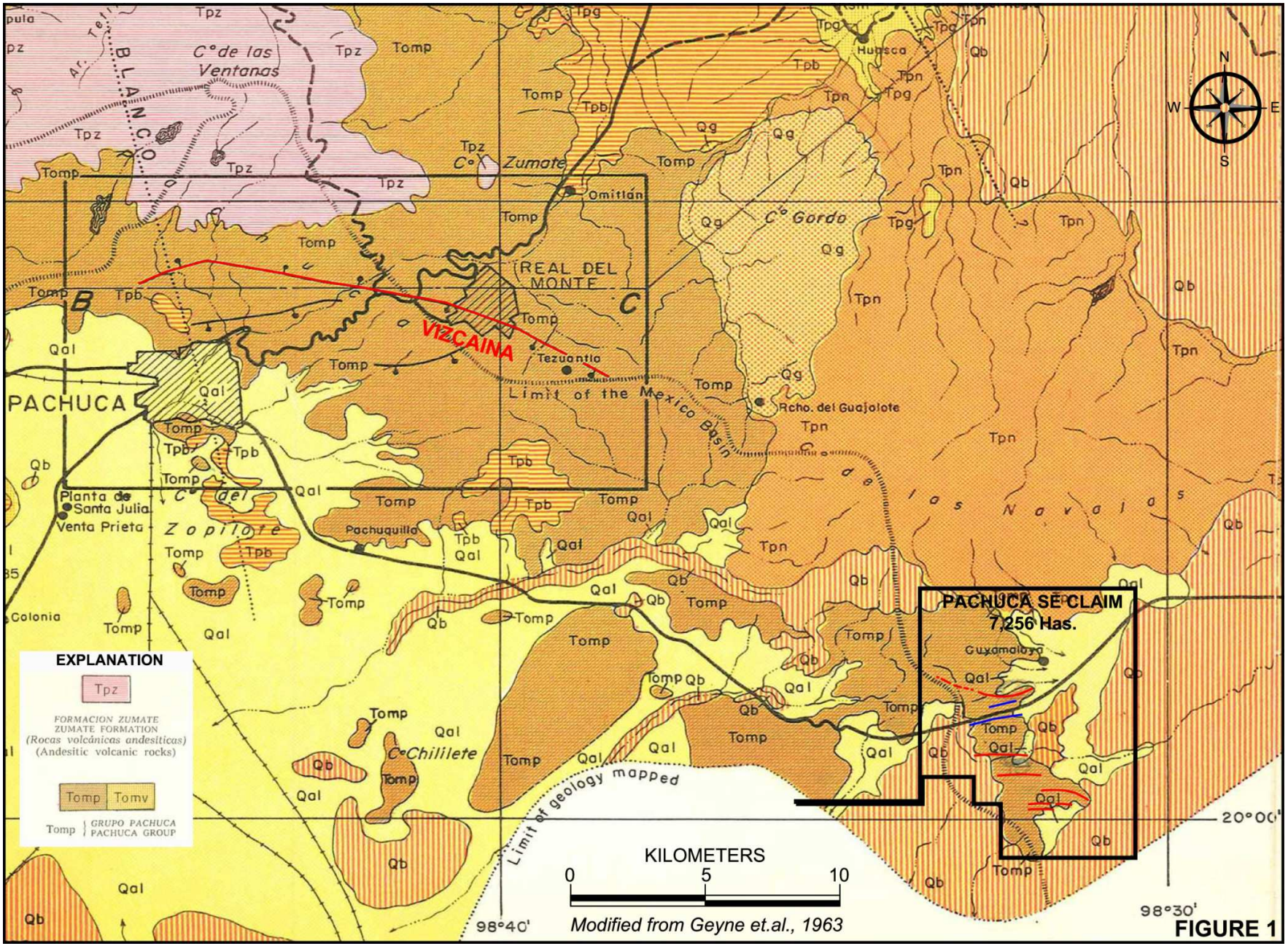
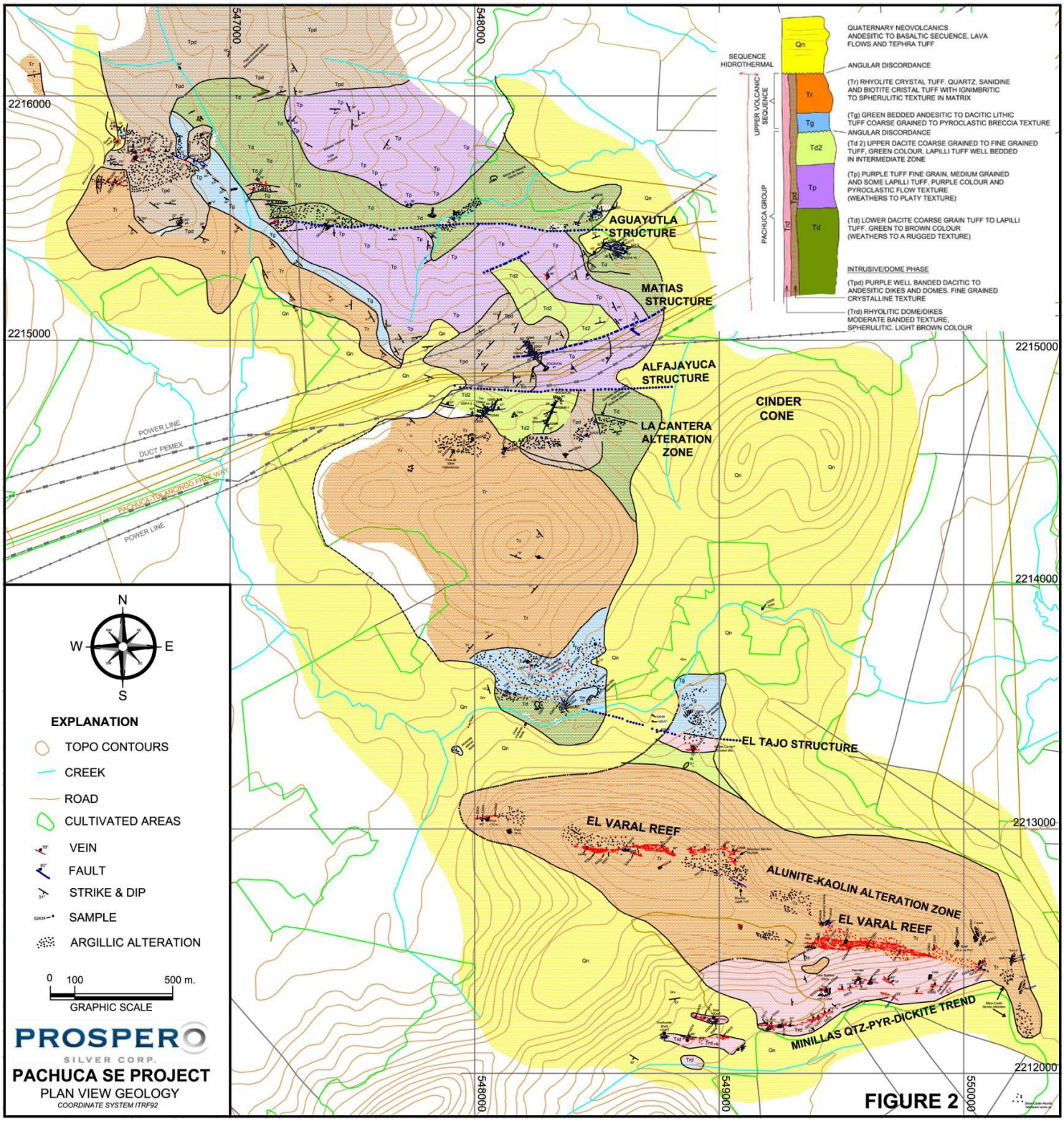


Modified from Geyne et.al., 1963

FIGURE 1


QUATERNARY NEOVOLCANICS
ANDESITIC TO BASALTIC SECUENCE, LAVA FLOWS AND TEPHRA TUFF
SEQUENCE HIDROTHERMAL
ANGULAR DISCORDANCE
UPPER VOLCANIC SEQUENCE
(Tr) RHYOLITE CRYSTAL TUFF. QUARTZ, SANIDINE AND BIOTITE CRISTAL TUFF WITH IGNIMBRITIC TO SPHERULITIC TEXTURE IN MATRIX
(Tg) GREEN BEDDED ANDESITIC TO DACITIC LITHIC TUFF COARSE GRAINED TO PYROCLASTIC BRECCIA TEXTURE
ANGULAR DISCORDANCE
(Td 2) UPPER DACITE COARSE GRAINED TO FINE GRAINED TUFF, GREEN COLOUR. LAPILLI TUFF WELL BEDDED IN INTERMEDIATE ZONE
PACHUCA GROUP
(Tp) PURPLE TUFF FINE GRAIN. MEDIUM GRAINED AND SOME LAPILLI TUFF. PURPLE COLOUR AND PYROCLASTIC FLOW TEXTURE (WEATHERS TO PLATY TEXTURE)
(Td) LOWER DACITE COARSE GRAIN TUFF TO LAPILLI TUFF. GREEN TO BROWN COLOUR (WEATHERS TO A RUGGED TEXTURE)
INTRUSIVE/DOME PHASE
(Tpd) PURPLE WELL BANDED DACITIC TO ANDESITIC DIKES AND DOMES. FINE GRAINED CRYSTALLINE TEXTURE
(Trd) RHYOLITIC DOME/DIKES MODERATE BANDED TEXTURE, SPHERULITIC. LIGHT BROWN COLOUR
AGUAYUTLA STRUCTURE
MATIAS STRUCTURE
ALFAJAYUCA STRUCTURE
LA CANTERA ALTERATION ZONE
CINDER CONE
EL TAJO STRUCTURE
EL VARAL REEF
ALUNITE-KAOLIN ALTERATION ZONE
EL VARAL REEF
MINILLAS QTZ-PYR-DICKITE TREND
POWER LINE
DUCT PEMEX
PACHUCA-TULANCINGO FREE WAY
POWER LINE
547000
548000
549000
550000
2216000
2215000
2214000
2213000
2212000
N
S
E
W
EXPLANATION
TOPO CONTOURS
CREEK
ROAD
CULTIVATED AREAS
VEIN
FAULT
STRIKE & DIP
SAMPLE
ARGILLIC ALTERATION
0 100 500 m.
GRAPHIC SCALE
PROSPERO
SILVER CORP.
PACHUCA SE PROJECT
PLAN VIEW GEOLOGY
COORDINATE SYSTEM ITRF92
FIGURE 2