Patterson_jw_ 1937 plate 2

AHUMADA LEAD COMPANY

GEOLOGIC MAP

OF

LOS LAMENTOS MOUNTAIN AND VICINITY

CHIHUAHUA, MEXICO

Topography by C. H. Nessler Geology by F. L. Ransome

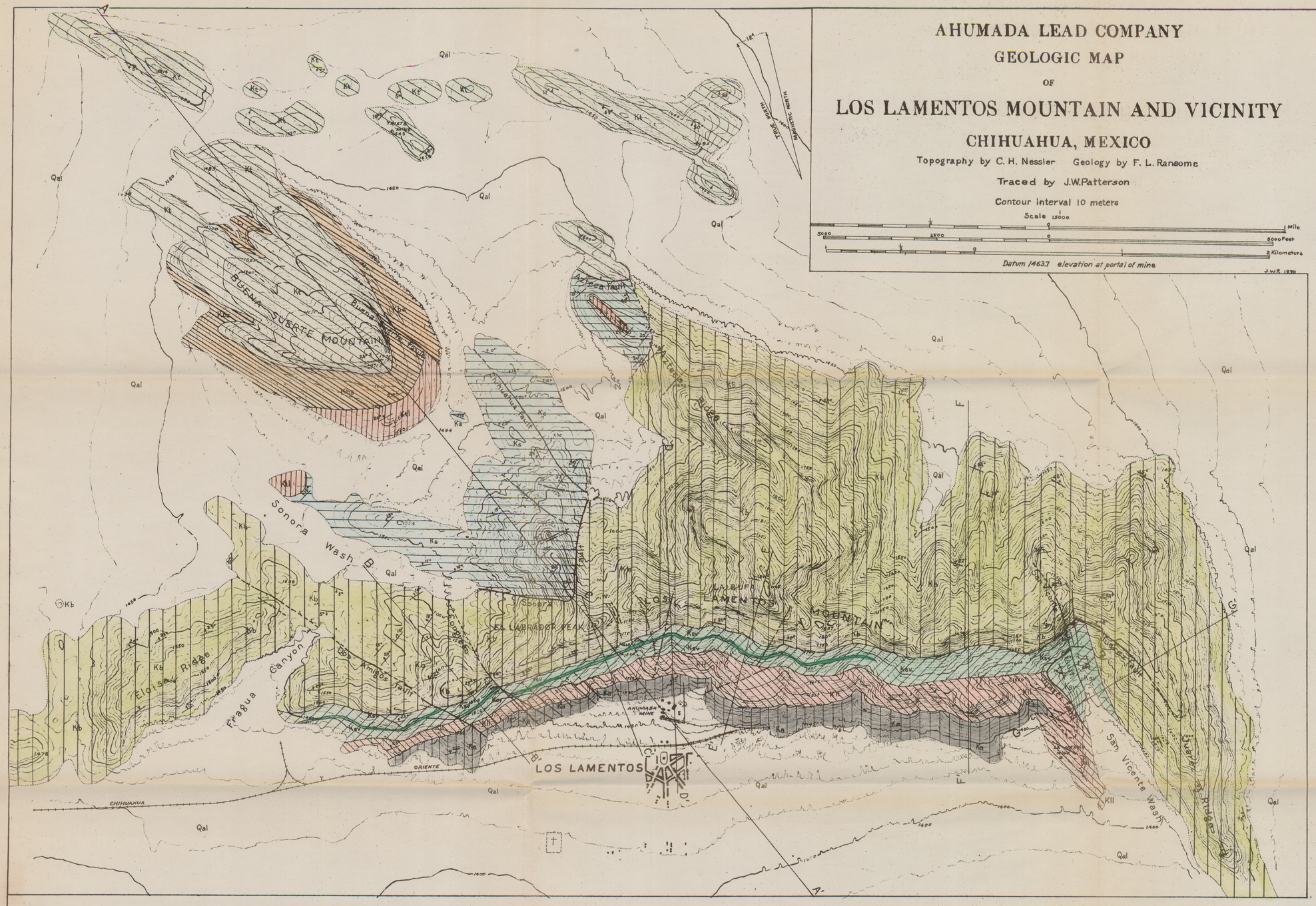
Traced by J.W.Patterson

Contour interval 10 meters

Scale 1/15000

Datum 1463.7 elevation at portal of mine

J.W.P. 1930



EXPLANATION

QUATERNARY — Recent

Qal — Alluvium
(Coarse, stony detritus near hills grading out into soil in larger valleys. The fact that this deposit merges with the usual thin deposit of the hillslopes is indicated by a dotted boundary.)

COMANCHE SERIES — Washita Division

Kt — Triste limestone
(Thick-bedded, cliff-making moderately fossiliferous ls. Weathers pale brown. Thickness +800')

Kbs — Buena Suerte limestone
(Beds rarely over 4'. Forms slopes. Generally dark grey. Some beds characteristically blotchy. Abundant sea-urchins near base. Thickness 600')

Kb — Tlaxcala limestone
(Beds 10' or more. Weathers yellowish-brown. Very fossiliferous at top. Resembles Los Lamentos Ls. Thickness 500'+)

Ks — Sonora limestone
(Thin-bedded, in part shaly ls. with occasional thicker, cliff-making beds. Compact. Weathers generally blue-grey. Fossils scarce. Thickness 500'+)

LOWER CRETACEOUS — Trinity Division

Kb — Bufa limestone
(Massive, cliff-making ls. weathers yellowish-brown. Bedding indistinct in lower part, becoming thinner in upper part. Fairly abundant fossils, including corals and the large gasteropod Lunatia. Thickness 1500'+)

Ksv — San Vicente limestone ("Fetid limestone") with middle, cliff-making member
(Thin-bedded to shaly ls. with extraordinarily abundant small glacial fossils the foraminifer Orbitolina texana. Gives a fetid odor when struck. Thickness 315-800')

Kll — Los Lamentos limestone
(Massive cliff-making ls. weathers yellowish brown. Bedding planes indistinct or lacking. Upper part highly fossiliferous. (Caprina) the principal ore-bearing formation. Locally dolomitized, especially near ore-bodies. Thickness 200-450')

Ka — Angela limestone ("Blue limestone")
(Distinctly and rather thinly-bedded, compact blue-grey ls. Fossils small, poorly preserved, and scanty. Thickness +760')

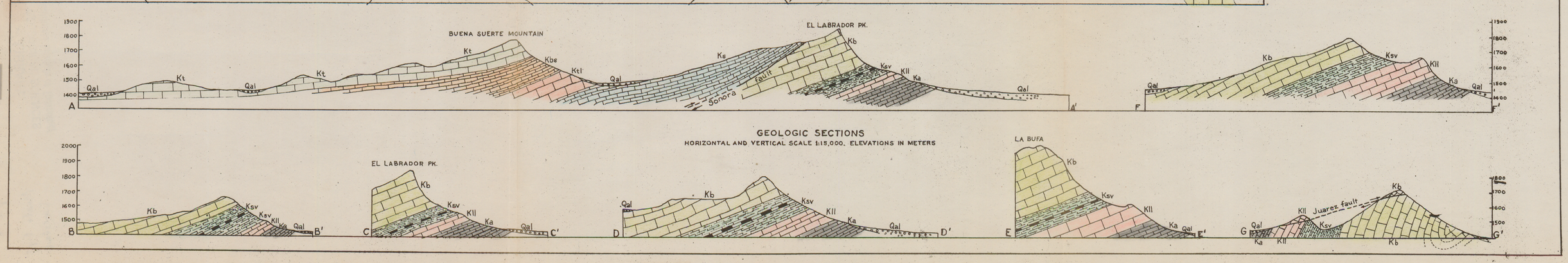
Strike and dip of beds

Strike of vertical beds

Fault or fissure

Mine adit or tunnel

Shaft



GEOLOGIC SECTIONS

HORIZONTAL AND VERTICAL SCALE 1:15,000. ELEVATIONS IN METERS