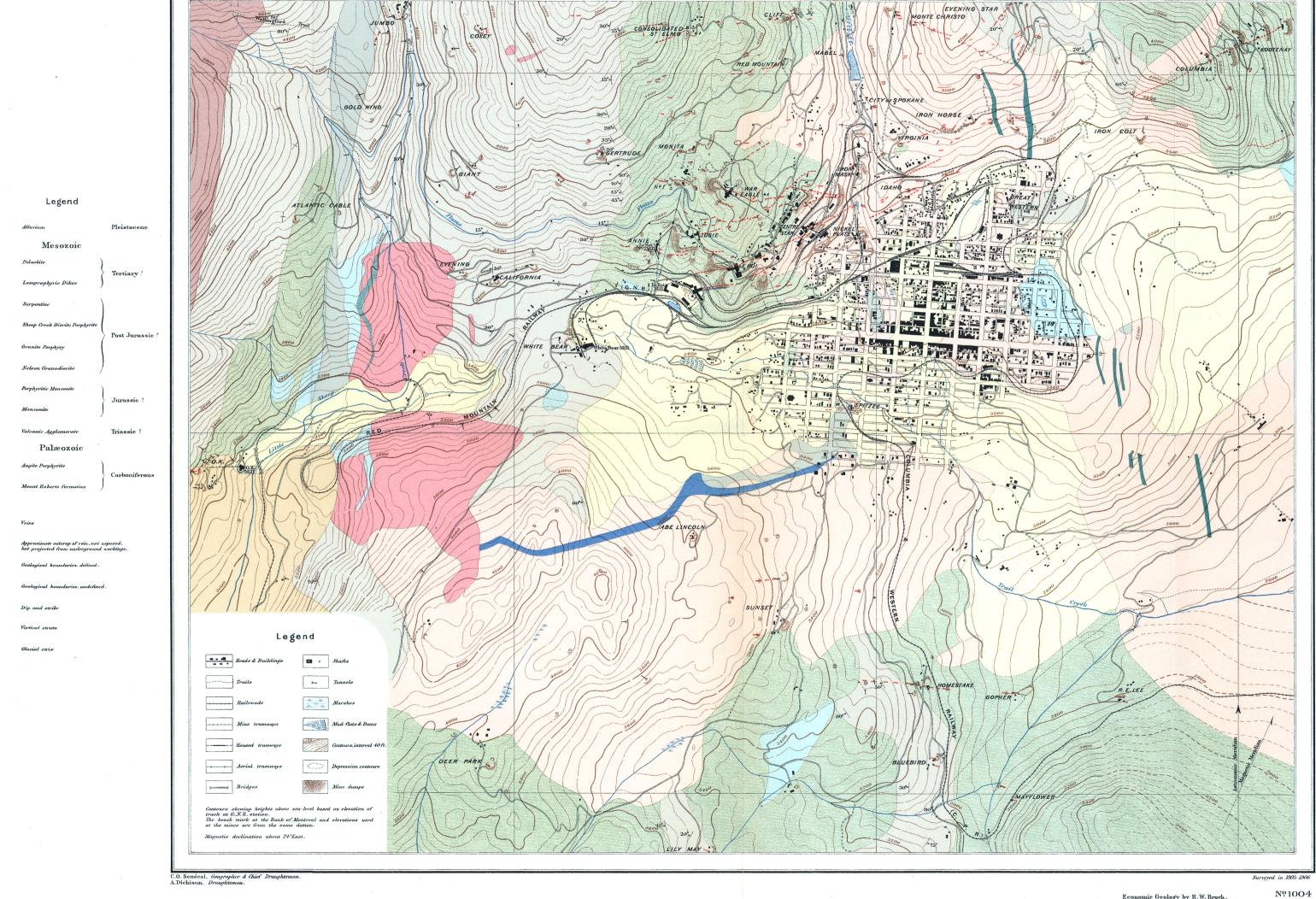
CANADA DEPARTMENT OF MINES GEOLOGICAL SURVEY BRANCH

HON. W. TEMPLEMAN, MINISTER: A.P. LOW, DEPUTY MINISTER;



Explanatory Notes

Alluvium. The areas occupied by alluvium represent portions of the district over which bed-rock is entirely concealed. Elsewhere exposures are common though often wanting in the immediate vicinity of contacts.

Lamprophyric Dilcos. Blees varying widely in sixe and character and of different ages are exceedingly numerous but only a few of the larger once are represented on the map. While dilice of lamprophyric characters predominate in numbers, other types some of which are directly connected with the pophyricis monsonite, the grandsinite, etc. are also common. All the rock bodies save those of palashic are cut by diloss are also common. All the rock bodies save those of palashic are cut by diloss.

Nelson Granodiorite. The smaller bodies of granodiorite outlined nearths top of Red Mountain appear to have been envolved in a sone of shattering. Small patchee of granitic types toe small to map, also occur in this vicinity. The common phases of this type may be seen in numerous exposures along the line of the O.R.Railway on the slopes of DeerPark ridge.

Mount Roberts Formation. Over the western portion of the camp the rocks of this group are largely of dark slates passing into averac-cous firms with which occur some calcarous beds. On Red mountain and a vilker points, these beds seem to be represented by hardened, altered firms. On Red mountain and elsewhers, the strata are pen-trated by many bodies of diorite perphyrite not shown on this map.

Economic Geology. The main exposures of veins are shown on the map but not mineralized areas. It being impossible on this scale to indicate widths no distinction is drawn between wide veins and narrow ones. The approximate position on the survince of veins that are not exposed but are developed underground is also marked. These positions obtained by projecting the veins from the mine plans to the survice, show where the vein may be expected to auterop if the dip should remain constant. On account of Phulliding and the number of veins it is unsafe to connect cape surves unless the vein can be actually traced between.

On the northern half of the sheet the veins are mostly pyrrhottic gold copper ores. West of Kittle Sheep Creek as on the OK gold quartz veins occur and along the outstane edge on the Lily May, Bluebell, MayNower, etc., silver-lead veins occur.

Geological Sheet

Economic Geology by R.W. Brock. Areal Geology by G.A. Young. Topography by W. H. Boyd.

4 Township 28 2

ROSSLAND MINING CAMP

BRITISH COLUMBIA

Scale: 1200 Feet to 1 Inch = $\frac{1}{14,400}$

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