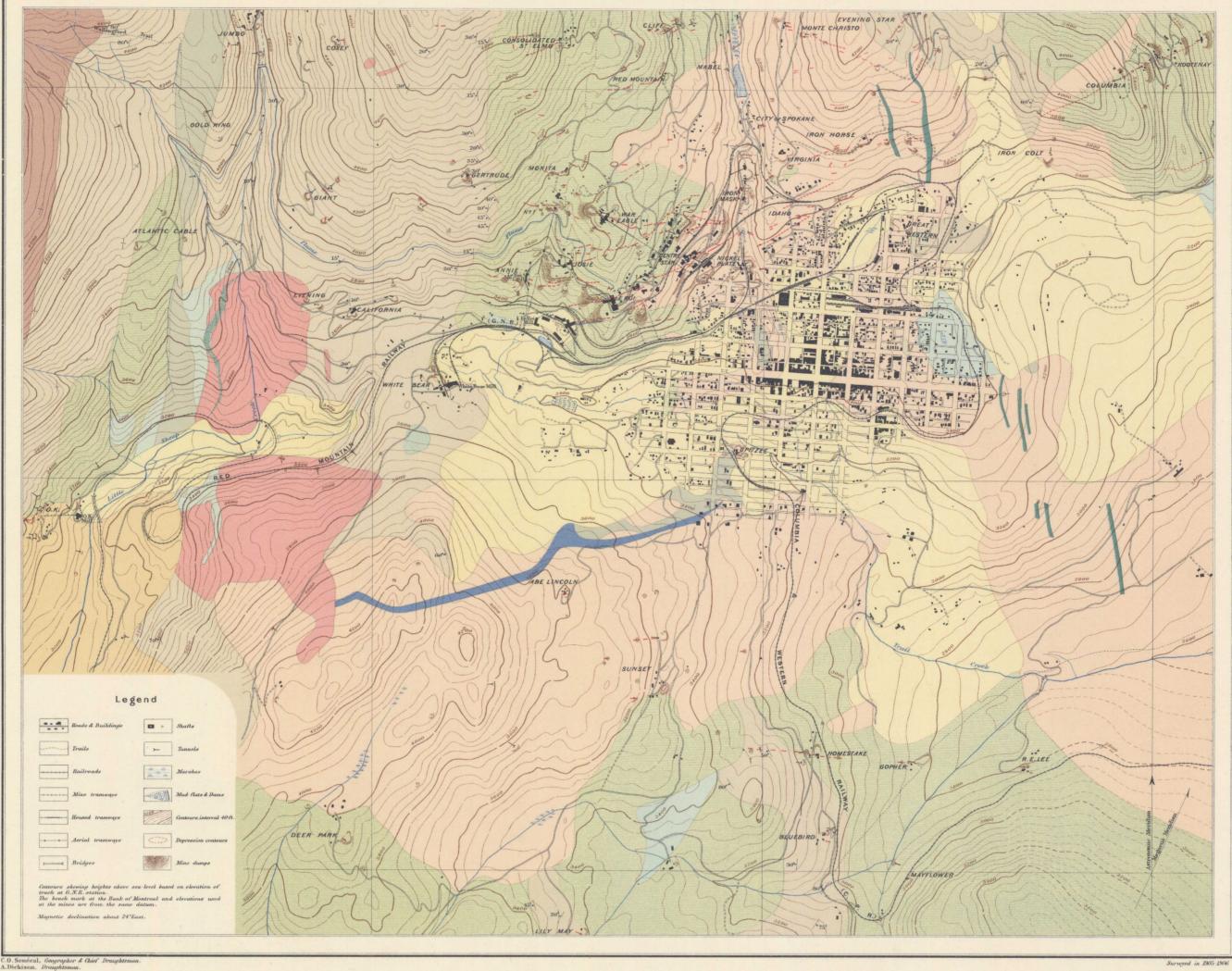
CANADA
DEPARTMENT OF MINES
GEOLOGICAL SURVEY BRANCH

Hon. W. Templeman, Minister: A.P. Low, Deputy Minister; R.W. Brock, Director.



Explanatory Notes

Invium . The areae occupied by allurium represent portions of the trict over which bod-rock is entirely concealed. Elsewhere exposure e common though often wanting in the immediate vicinity of contact

amprophyric Dikes. Dikes varying widely in sixe and character and of different ages are exceedingly numerous but only a few of the super-ones are represented on the map. While dikes of lamprophyric haracters predominate in numbers, other types some of which are dircells cannoted with the prombertic mononite, the ormologicis, etc.

Serpentine. Exposures of typical serpentine may be found on the rocky knolls several hundred yards south of the mine tramway leading to the OH mill.

Sheep Creek Diorite Porphyrite. Exposures of this type are common along the whole course of the dike of this rock running north from Sheep Creek

Gramite Porphyry. Exposures of typical granite porphyry may be seen along the course of a small dike below the Le Roi head-works and just cast of the aerial tramway.

retism (STALOMETIC: Ine smaler bouste or granduarise outside nearthe top of Heal Mountain appear to have been envolved in a zone of shuttering. Small patches of grantite types too small to map, also occi in this vicinity. The common phases of this type may be seen in numerous exposures along the line of the O.N.Railway on the slopes of Deerstark ridge.

Porphyritic Monzonite This type is well shown in the quarry within the city limits, west of the line of the C.P.Railway and north of Columbia Avenue

Monzanite The large area of monzonite is the western portion of an ovoid mase about five miles long. The monzonite body is composed of various types differing considerably in general appearances. Common phases of this type may be seen in numerous exposures on the elopse of Monte Christo mountain. A very coarse firm outcorps near the old shaft of the Le Roi and a the grained, dark variety occurs in the rear of the eigh hall.

Volcanic Agglomerate. The volcanic agglomerate is well expose along the Wallingford trail.

signs (Nephysixe, Typical angite peoplyrite is caposed at the head the gully just west of the Next Eagls. A somewhat different variety in be seen on the road near the Deer Bark mine while the material commissing the band leadings north from Sheep Versk may be in part of tull recovered origin. Cutting the angite peophyrite of Red mountain and consists are many diloc and irregular masses of diorite peophyrite in the new theology of the mountain and not only the way the seen in the real way cutting the angite peophyrite to the new the lower steps of the new to the new the lower steps of lead in the leaf is headerorks.

Mount Roberts Formation. Over the western portion of the coat the rooks of this group are largely of dark states passing into area coun firms with which occurs some calcareaus beds. On the mounts and at other points, these bods seem to be represented by harden at the control of the state of the state of the strength of the state of the strength of

Sconomic Geology. The main exposures of reins are shown on map but not mineralized areas. It being impossible on this scale to licate widths, no distinction is drawn between wide veins and narrow the approximate position on the surface of reins that are not expo but are developed underground is also marked. These positions and of by projecting the veins from the mine plans to the surface, show we the vein may be expected to outcrop it the dip should remain constant account of faulting and the number of veins it is unsaft to connect of www unless the vein can be actually traced between.

On the northern half of the sheet the veins are mostly pyrrhotitic go copper ares. West of Little Sheep Creek as on the O.K. gold quarts: ver occur, and along the couthern edge on the Lily May, Bluebell, May floreetc., silver-lead reins occur.

Geological Sheet

Economic Geology by R.W. Brock. Areal Geology by G.A. Young. Topography by W. H. Boyd. Nº1004

4 Township 28 2

33 34 35

Township 94

28 27 26

ROSSLAND MINING CAMP

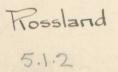
BRITISH COLUMBIA

Feet 1200 Scale : 1200 Feet to 1 Inch - 14,400 2400 3400 Feet

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A. Geol.

Legend

Mesozoic

Palæozoic

20%

Vertical stratu

Post Jurassie