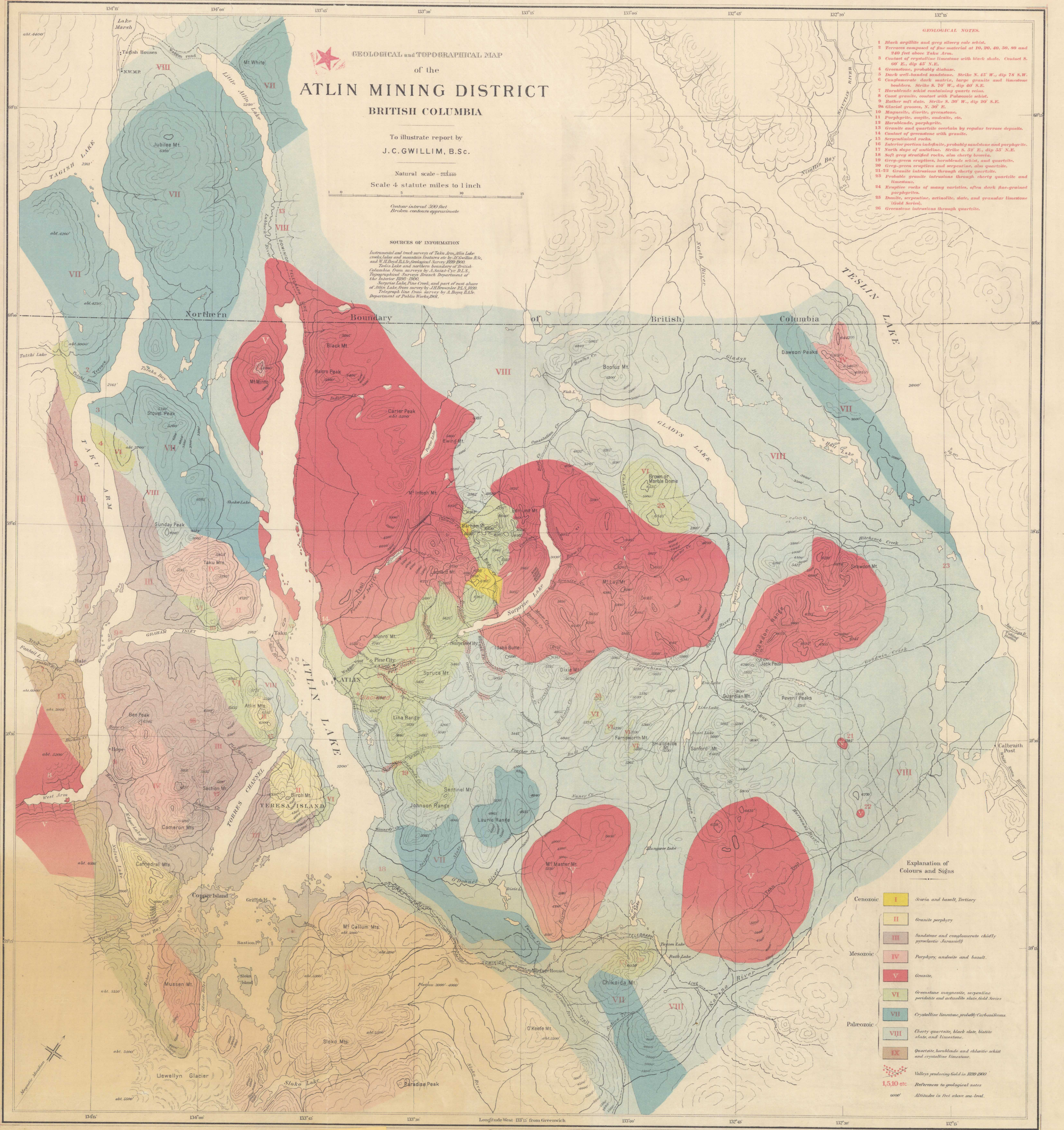


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Geological Survey of Canada
ROBERT BELL, O.Sc., M.D., LL.D., F.R.S., ACTING DIRECTOR.
1902.



- GEOLOGICAL NOTES.**
- 1 Black argillite and grey silty calc schist.
 - 2 Terraces composed of fine material at 10, 20, 40, 50, 80 and 240 feet above Taku Arm.
 - 3 Contact of crystalline limestone with black shale. Contact S. 30° E., dip 45° S.E.
 - 4 Greenstone, probably diabase.
 - 5 Dark well-banded sandstone. Strike S. 45° W., dip 78° S.W.
 - 6 Conglomerate dark matrix, large granite and limestone boulders. Strike S. 70° W., dip 40° S.E.
 - 7 Hornblende schist containing quartz veins.
 - 8 Coarse granite, contact with Paleozoic schist.
 - 9 Rather soft slate. Strike S. 30° W., dip 30° S.E.
 - 10 Glacial gravels, S. 30° E.
 - 10 Magnesian, diorite, gneiss.
 - 11 Porphyritic, andesite, andesite, etc.
 - 12 Hornblende, porphyrite.
 - 13 Granite and quartzite overlain by regular terrace deposits.
 - 14 Contact of greenstone with granite.
 - 15 Serpentinized rocks.
 - 16 Interior portion andesite, probably andesite and porphyrite.
 - 17 South slope of anticline. Strike S. 52° E., dip 55° S.E.
 - 18 Soft grey stratified rocks, also cherty lenses.
 - 19 Grey-green eruptives, hornblende schist, and quartzite.
 - 20 Grey-green eruptives and serpanite, also quartzite.
 - 21-22 Granite intrusions through cherty quartzite.
 - 23 Probable granite intrusions through cherty quartzite and limestone.
 - 24 Eruptive rocks of many varieties, often dark fine-grained porphyrites.
 - 25 Sandstone, argillite, actinolite, slate, and granular limestone (local section).
 - 26 Greenstone intrusions through quartzite.

SOURCES OF INFORMATION

Instrumental and track surveys of Taku Arm, Mica Lake creeks and mountain features etc. by G. Davidson B.Sc. and W. Lloyd B.Sc., Geological Survey 1899-1900.
Taku Lake and northern boundary of British Columbia. From surveys by J. S. Maclean B.Sc., Topographical Survey Branch, Department of the Interior 1899-1900.
Surprise Lake Pine Creek, and part of east shore of Mica Lake. From survey by J. H. Brownlee B.Sc., 1900.
Telegraph line. From survey by J. Boye B.Sc., Department of Public Works, 1900.

Explanation of Colours and Signs

Cenozoic	I	Sandstone and basalt, Tertiary
	II	Granite porphyry
	III	Sandstone and conglomerate chiefly porphyritic, fossiliferous
Mesozoic	IV	Porphyry, andesite and basalt
	V	Granite
	VI	Greenstone magnesian, serpentine, porphyritic and actinolite slate, Gold Series
Paleozoic	VII	Crystalline limestone, probably Carboniferous
	VIII	Cherty quartzite, black slate, biotite slate, and limestone
	IX	Quartzite, hornblende and chlorite schist and crystalline limestone
		Valleys producing gold in 1859-1900
		References to geological notes
	0000'	Altitudes in feet above sea-level.

C.O. Sewell, B.A.Sc., Geographer & Chief Draftsman.
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