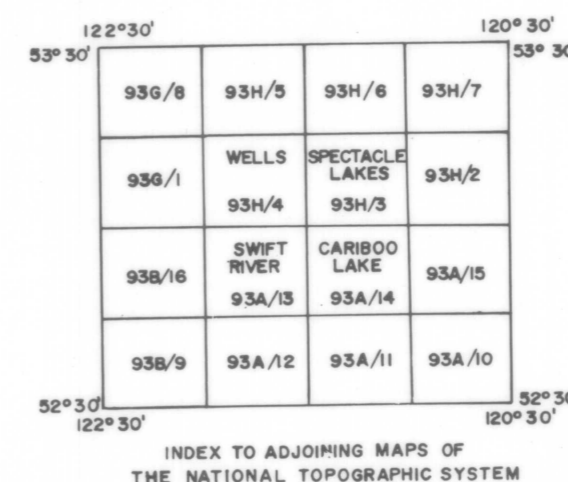
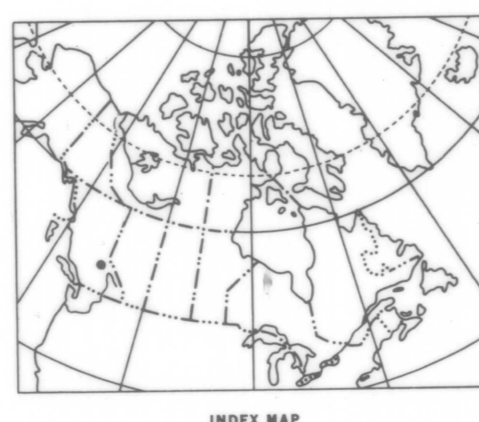


Outcrop Geology

Cariboo Lake, Spectacle Lakes, Swift River, and Wells map areas, Cariboo District, British Columbia

Scale 1:50,000



LEGEND

1) LITHOTYPES

1a) Sedimentary

| | |
|---------------------|--|
| CHERT | |
| CH | chert, undifferentiated |
| CH ₁ | primary chert |
| CH ₂ | secondary chert |
| CH ₃ | ribbon chert |
| CH ₄ | muddy chert and slate |
| CONGLOMERATE | |
| CG | conglomerate, undifferentiated |
| CG ₁ | quartzite conglomerate |
| CG ₂ | muddy conglomerate |
| CG ₃ | chert pebble conglomerate |
| DOLOSTONE | |
| DS | dolostone, undifferentiated |
| DS ₁ | brecciated dolostone |
| DS ₂ | sandy dolostone |
| GREYWACKE | |
| GW | greywacke, undifferentiated |
| LIMESTONE | |
| LS | limestone, undifferentiated |
| LS ₁ | crinoidal limestone |
| LS ₂ | sandy limestone |
| LS ₃ | silty limestone |
| LS ₄ | brecciated limestone |
| SANDSTONE | |
| SS | sandstone, undifferentiated |
| SS ₁ | limy, calcareous, dolomitic, sandstone |
| SHALE | |
| SH | shale, undifferentiated |
| SILTITE | |
| ST | siltite, undifferentiated |
| ST ₁ | phyllitic siltite |
| ST ₂ | dolomitic siltite |

1b) Volcanic

| | |
|-----------------|-----------------------|
| V ₁ | tuff |
| V ₂ | greenstone, basalt |
| V _{2a} | fragmental greenstone |
| V ₃ | rhyolite |
| V ₄ | rhyodacite |
| V ₅ | calcareous tuff |
| V ₆ | agglomerate |

1c) Intrusive

| | |
|----------------|--------------------------|
| I ₁ | diorite |
| I ₂ | granodiorite |
| I ₃ | granite |
| I ₄ | gabbro |
| I ₅ | quartz porphyry |
| I ₆ | quartz feldspar porphyry |
| I ₇ | diabase |
| I ₈ | lamprophyre |

1d) Metamorphic

| | |
|---------------------|---|
| AMPHIBOLITE | |
| AP | amphibolite, undifferentiated |
| ARGILLITE | |
| AG | argillite, undifferentiated |
| AG ₁ | siliceous argillite |
| CATACLASITE | |
| CT | cataclasite, undifferentiated |
| GNEISS | |
| GN | gneiss, undifferentiated |
| GN ₁ | augen gneiss |
| GRIT | |
| GT | grit, undifferentiated |
| GT ₁ | feldspathic, micaceous, poorly sorted, quartzite |
| GT ₂ | micaceous, poorly sorted, quartzite |
| GT ₃ | micaceous, poorly sorted quartzite with black quartz grains |
| GT ₄ | calcareous, poorly sorted, quartzite |
| MARBLE | |
| MB | marble, undifferentiated |
| MB ₁ | calcite marble |
| MB ₂ | dolomite marble |
| MYLONITE | |
| MY | mylonite, undifferentiated |
| PHYLLITE | |
| PH | phyllite, undifferentiated |
| PH ₁ | sandy phyllite |
| PH ₂ | calcareous phyllite |
| PH ₃ | chloritic phyllite |
| QUARTZITE | |
| QT | quartzite, undifferentiated |
| QT ₁ | well sorted quartzite |
| QT ₂ | poorly sorted quartzite |
| QT ₃ | feldspathic quartzite |
| QT ₄ | micaceous quartzite |
| SCHIST | |
| SC | schist, undifferentiated |
| SC ₁ | biotite schist |
| SC ₂ | biotite garnet schist |
| SC ₃ | chlorite schist |
| SC ₄ | muscovite schist |
| SERPENTINITE | |
| SP | serpentinite, undifferentiated |
| SLATE | |
| SL | slate, undifferentiated |
| SL ₁ | sandy slate |
| SL ₂ | pebbly slate |
| SL ₃ | siliceous slate |

2) SEDIMENTARY/TEXTURAL FEATURES

| | |
|----------------|----------------|
| S ₁ | coarse grained |
| S ₂ | fine grained |
| S ₃ | cross bedding |
| S ₄ | graded bedding |
| S ₅ | thin bedding |
| S ₆ | thick bedding |
| S ₇ | massive |
| S ₈ | laminated |
| bx | brecciated |

3) COLOUR

| | |
|--------------|--------------|
| GREY | |
| 1 | grey |
| 1a | light grey |
| 1b | dark grey |
| 1c | olive grey |
| 1d | green grey |
| BLACK | |
| 2 | black |
| 2a | blue black |
| OLIVE | |
| 3 | olive |
| 3a | light olive |
| 3b | dark olive |
| 3c | grey olive |
| GREEN | |
| 4 | green |
| 4a | light green |
| 4b | dark green |
| 4c | chrome green |
| 4d | blue green |
| 4e | brown green |

4) NOTES

| | |
|---------------|------------|
| PURPLE | |
| 5 | purple |
| 5a | maroon |
| RED | |
| 6 | red |
| 6a | pink |
| 6b | orange |
| WHITE | |
| 7 | white |
| 7a | off white |
| BROWN | |
| 8 | brown |
| 8a | tan |
| BLUE | |
| 9 | blue |
| 9a | steel blue |

This series of maps displays outcrop location and lithology. Rock colour and sedimentary and textural features are given where recorded. The data is taken directly from field notes with a minimum of interpretation. The map series is recommended to be used in conjunction with the interpretive bedrock geology maps of the same area published as Geological Survey of Canada Open File 858 by L.C. Struik.

a) "x" indicates outcrops that cannot be accurately drawn to scale.

b) Descriptive Procedure
 1) Descriptive symbols are in the following sequence:
 lithotype-colour
 -sedimentary/textural features.
 ii) When more than one lithotype is present the most dominant rock type is listed first; colour and sedimentary/textural descriptions for each lithotype follow immediately.
 iii) Variable colour or sedimentary/textural features are denoted by an arrow between the variables.

c) Notes Regarding Lithotypes
 1) Some schists span two divisions in which case they are marked as SC_{x+y}, where x and y denote possible subscripts from 1 to 4.
 ii) There is no macroscopic difference between fine grained micaceous quartzite and fine grained grit. They are both given on the map as a reflection of the field notes.

Geology by L.C. Struik 1977-1981
 Compiled by J.R. Forbes and D.H. Wood
 Final Drafting by T. Oliveric

Comments on the value of such a map will be gratefully accepted. Please address them to the Geological Survey of Canada, 100 West Pender Street, Vancouver, B.C., V6B 1R8.