

METAMORPHIC MAP OF THE CANADIAN CORDILLERA (O.F. 1893)

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LEGENDMETAMORPHISMA. METAMORPHIC FACIES AND ZONES

COLOURS:

700 Series Verithin  
900 Series Prismacolor  
VT Dixon

## Unmetamorphosed

914 -

## Cryptic

940 y

## Subgreenschist

942 sg

Undivided

916 z

Zeolite

941 p

Prehnite-pumpellyite

## Blueschist

904 bl

Lawsonite-albite-chlorite

903 gl

Lawsonite-glaucophane

## Greenschist

751 gn

Undivided

913 cb

Lower Greenschist undivided

912 c

Chlorite

911 b

Biotite

907 g

Almandine greenschist

**Amphibolite**

921 am	Undivided
934 a	Andalusite
922 st	Staurolite
929 sta	Staurolite-andalusite
926 sts	Staurolite-sillimanite
743.5stk	Staurolite-kyanite
924 k	Kyanite
930 ks	Kyanite-sillimanite
742.5 os	Sillimanite undifferentiated
VT 24 s	Sillimanite-muscovite
932 o	Sillimanite-K feldspar

■ Granulite

▲ Eclogite

★ Pyrometamorphism

B. METAMORPHIC OVERPRINTING

$\frac{c}{am}$  Metamorphic facies overprinting (example: chlorite overprinting amphibolite)

C. METAMORPHIC FACIES BOUNDARY

~ Defined/approximate

--- Assumed

PLUTONISM

⊖ Pluton

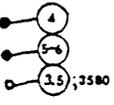
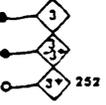
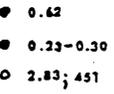
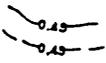
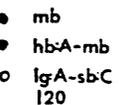
K Pre- or synmetamorphic intrusion (example: Kam; same colour code as Metamorphic Facies)

928 + Postmetamorphic intrusion, or intrusions which show no signs of metamorphism although of pre- or synmetamorphic age

FAULTS

~~~~~ Only faults which may have a bearing on metamorphic relationships are shown

DATA DEPICTION

- 
- CONODONT ALTERATION INDEX (CAI)
- surface (CAI)
  - surface (range in CAI)
  - well (CAI or range in CAI; depth or depth range in metres)
- 
- isopleth (no decimal figures, number faces numerically higher side of contour)
  - - - approximate
  - - - assumed
- 
- TEMPERATURE ALTERATION INDEX (TAI)
- surface (TAI)
  - surface (range in TAI)
  - well (TAI or range in TAI; depth or depth range in metres)
- 
- VITRINITE REFLECTANCE
- surface ( $R_0$  max)
  - surface (range in  $\bar{R}_0$  max)
  - well ( $\bar{R}_0$  max or range in  $R_0$  max; depth or depth range in metres)
- 
- isoreflectance contour (decimal figures)
  - - - approximate
  - - - assumed
- 
- COAL RANK (see table for symbols)
- surface (coal rank)
  - surface (range in coal rank)
  - well (coal rank or range in coal rank; depth in metres)
- 
- coal rank boundary
  - - - approximate
  - - - assumed

SOURCES OF UNPUBLISHED DATA:

Many individuals of the Vancouver, Calgary and Ottawa offices of the Geological Survey of Canada have freely given unpublished data. The librarians of the Vancouver office of the Geological Survey of Canada and those of the universities of British Columbia, Calgary, Alberta, and Carleton provided many theses.