

The following systems are represented:-

1. Pre-Cambrian quartz and mica schists and quartzites and slates,
2. Cambro-Ordovician slates, sandstones, limestones, etc. and basic igneous rocks,
3. Silurian slates, sandstones limestones, and conglomerates,
4. Permo-Carboniferous mudstones, sandstones, shales, limestones, coal seams and oil shale seams,
5. Upper Mesozoic diabase,
6. Lower Tertiary limestones, etc.,
7. Mid-Tertiary clays, sandstones, lignites, etc.,
8. Mid-Tertiary basalts, lava and ash,
9. Quarternary and Recent alluvium.

The relative values of the soils of those formations are indicated in the following statement:-

1. The Pre-Cambrian formation occupies the surface between Pebbly Bay and the Western fall of Sisters Hills and extends southward in a belt 3 to 5 miles wide beyond Arthur River and includes Shakespeare Range, Dipwood Range and Dip Mt.

The soils from this formation are poor and are suitable for forestry only. The prospects of discovering minerals in commercial concentrations are not encouraging.

2. The Cambro-Ordovician formation occupies the greater part of the country. Its soils vary considerably from point to point but in few places (the floors of the valleys) are they of value for agriculture. In general they are practically favourable for forestry. As regards the mineral possibilities the prospect is not hopeful because the mineral-producing intrusives are not present.
3. The remarks contained in paragraph (2) are applicable to the Silurian formation.
4. The soils of the Permo-Carboniferous are suitable for grazing and forestry. This formation contains important seams of coal and oil shale.
5. Diabase soils are suitable for grazing and forestry only. These rocks do not contain minerals of commercial value.
- 6 & 7. These members of the Tertiary provide soils capable of cultivation.
8. Basaltic soils are the most productive as a rule. They are different in the alkalies and phosphorous but in other respects contain an abundance of plant food.
9. These rich soils are found in the valley floors of flood plains of the important Rivers and major tributaries.

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