

CHAPTER IV—Continued.

General geology—Continued.	PAGE
Diorite and andesite.....	46
Gabbro, diabase, and basalt.....	49
Lamprophyre.....	49
Amygdaloidal structure.....	50
Ellipsoidal structure.....	50
Structural features.....	51
Origin.....	51
Mineralogical alteration.....	54
Character of alteration.....	54
Time of alteration.....	55
Process of alteration.....	55
Conclusion.....	57
Mode of origin.....	58
Structural features.....	58
Folding.....	58
Mashing.....	58
Relations to other formations.....	59
Schists and amphibolites.....	59
Distribution.....	59
Lithological character.....	59
Introductory statement.....	59
Amphibolite and hornblende schist.....	59
Sericite schists.....	61
Mode of origin.....	61
Chloritic rocks.....	61
Distribution.....	61
Lithological character.....	61
Slate and phyllite.....	62
Distribution.....	62
Lithological character.....	62
Structural relations.....	62
Origin.....	63
Ferruginous dolomite.....	63
Distribution.....	63
Lithological character.....	64
Origin.....	65
Structure.....	70
Pontiac series.....	70
Distribution.....	70
Lithological character.....	71
General.....	71
Pontiac schist.....	71
Amphibolite.....	72
Greywacke, arkose, and conglomerate.....	72
Mode of origin.....	73
Structural relations.....	74
Ridged structure.....	74
Relation of folding to bedding.....	74
Folding.....	75
Relations to other formations.....	75
Thickness.....	76
Correlation.....	76
Granite and gneiss.....	76
Distribution.....	77
Lithological character.....	77
Structural relations.....	78
Relation to the Abitibi volcanic complex.....	79
Relation to the Pontiac series.....	80
Relations to younger formations.....	82
Mode of origin.....	82
Age and correlation.....	82
Cobalt series.....	83
General character and subdivisions.....	83
Distribution.....	84