

GEOLOGICAL FORMATIONS IN MARYLAND.

No.	Pennsylvania Nomenclature.	New York Nomenclature.	Nearest European equivalent.	
1a.	Granite.....	Intrusive rocks.	Non-fossiliferous.
b.	Syenite.....	.....	
2.	Trap.....	.....	
3.	Porphyry.....	.....	
4.	Serpentine.....	Metamorphic.	Non-fossiliferous.
5a.	Gneiss.....	.....	
b.	Mica slate.....	.....	
c.	Hornblende slate.....	.....	
6.	Talcose slates.....	.....	
7.	Roof slates.....	.....	
8.	Primal slates and sandstones.....	Potsdam sandstone.....	Cambrian.	Non-fossiliferous.
9.	Primal, with epidote.....	.....	
10.	Auroral limestone.....	Chazy and Black River limestone.....		
11.	Metamorphic limestone.....	Silurian.	Non-fossiliferous.
12.	Matinal slate and limestone.....	{ Trenton limestone, Utica slate, and Hudson river slates.....		
13.	Levant gray sandstone.....	{ Oneida conglomerate, Medina sandstone.....		
14a.	Surgent shales.....	Clinton group.....		
b.	Scalent shales.....	Onondago salt group.....		
15a.	Premeridian limestone.....	Water lime group.....	Devonian.	Fossiliferous.
b.	Meridian sandstone.....	Oriskany sandstone.....		
16a.	Cadent shales.....	{ Marcellus slate, Hamilton group, Genessee slate... Portage flags, Ithaca group, Chemung group.		
b.	Vergent shales.....	.....	
17.	Ponent red shales & red sandstone.....	Catskill group.....		
18a.	Vespestine.....	Does not occur in N. York		
b.	Umbral shales and limestone..do.....do.....do.....	Carbonifer. limestone. Coal formation.	Fossiliferous.
19.	Seral, or coal formation.....	.....do.....do.....do.....	
20.	Mezozoic red sand shales and conglomerate.....do.....do.....do.....	Lias or Trias. Cretaceous, or Upper Secondary.	Fossiliferous.
21.	Cretaceous, green sand, and clays.....	Not in Pennsylvania or N. York.....		
22.	Iron ore clays.....	Eocene, Miocene Plioc'e	Tertiary.
23.	Tertiary.....	.....	
24.	Post tertiary.....	Post tertia'y	