



Time scale modified from:
McKerrow, W.S. and van Staal, C.R.
2000. The Paleozoic time scale reviewed. In *Orogenic Processes: Quantification and Modelling in the Variscan Belt*, (ed.) W. Franke, V. Haak, O. Oncken, and D. Tanner, Geological Society of London, Journal, Special Publications, v. 179, p. 5-8.

KEY

Mélange and broken formation

Volcanic rocks (felsic / mafic)

Intrusive rocks (felsic / mafic)

Mafic and ultramafic components of an ophiolite and areas of isolated ultramafic and meta-ultramafic bodies

Shear zone

For Unit 1 only

Orthogneiss

Anorthosite-mangerite-charnockite suite rocks (mangerite, charnockite, granite / gabbro, anorthosite)

Paragneiss and metavolcanic rock

Southern Appalachians

23 Middle Ordovician to Lower Devonian, generally thin, shallow marine to terrestrial, clastic sedimentary wedge with subordinate carbonate rocks and chert. Includes unit 33 in southernmost Appalachians and carbonate rocks that are either the cratonward equivalent of unit 6 or lie unconformably on rocks deformed during the Taconic Orogeny.
Taconica Formation, Tonoloway Formation, Salina Group
on Laurentian Realm

24 Upper Ordovician to Lower Mississippian clastic sedimentary rocks and diamictite lying unconformably on unit 4.
Talladega Group
on southern Laurentian Realm

25 Middle Ordovician to Lower Silurian plutonic rocks and orthogneiss mainly confined to the Piedmont domain.
Shelton Granite Gneiss, Cortlandt complex
on Axial Realm

26 Upper Ordovician slate, schist, quartzite, and conglomerate with minor metavolcanic rocks.
Arvonica Formation
on Axial Realm

27 Upper Ordovician to Upper Silurian, syntectonic, submarine to terrestrial clastic locally calcareous sedimentary and associated magmatic rocks of extensional to arc affinity. Badger Group, Madrid Formation, Grog Brook Group, Botwood Group
on Laurentian and Axial realms and Ganderia

28 Upper Ordovician to Upper Silurian syntectonic submarine clastic sedimentary rocks, commonly with calcareous siltstone.
Merrimack Group, Bucksport Formation, Kingsclear Group, Indian Islands Group
on Axial Realm and Ganderia

29 Silurian to Lowest Devonian arc and rifted-arc bimodal magmatic rocks and associated marine sedimentary rocks confined to the Peri-Gondwanan Realm. Some faunas exhibit 'Old World' affinities.
Newbury Volcanic Complex, Eastport Formation, Mascarene Group, Kingston Complex, La Pole Group, Burgeo batholith, Cadillac Mountain pluton
on Axial Realm and Ganderia

30 Upper Ordovician to Lower Silurian bimodal alkaline magmatic rocks of unknown tectonic affinity confined to Avalonia.
Quincy Granite, Cape Ann pluton
on Meguma

31 Upper Ordovician to Devonian shallow marine to terrestrial clastic sedimentary and local magmatic rocks.
Annapolis Group
on Meguma

32a. Upper Silurian and Lower Devonian mainly marine with subordinate terrestrial clastic sedimentary rocks; commonly lying unconformably on pre-Upper Silurian rocks. Calcareous rocks are locally prominent in the west. Includes non-arc volcanic and associated bimodal magmatic rocks. Unit extends into Middle Devonian in Gaspésie.
Schoenok Group, upper part of Chaleur Group (above Salic unconformity), Piscataway magmatic suite

32b. Non-arc volcanic rocks and bimodal magmatic rocks of possibly unrelated tectonic settings.
Exeter pluton, North Pole pluton, Rose Blanche pluton, North Bay batholith

32c. Upper Silurian to Lower Devonian plutonic rocks confined to Carolina.
Concord-Salisbury Plutonic Suite

33 Mainly Middle to Upper Devonian dominantly terrestrial clastic sedimentary rocks deposited on the west flank (Catskill clastic wedge) and on interior portions of the Appalachian Orogen; includes minor carbonate rocks.
Hamilton Group, Genesee Group, Sonyea Group
on Laurentian Realm

34 Middle Devonian to earliest Carboniferous plutonic rocks.
Concord pluton, Deer Isle Granite, South Mountain batholith, Ackley batholith
on Axial Realm

35 Lower Mississippian to Lower Permian mainly terrestrial clastic sedimentary rocks that form westward transgressive wedges; includes minor cratonic facies near base.
Mauch Chunk Group, Pennington-Lee clastic wedge, Lee Formation, Ouachita clastic wedge, Pottsville Group
on Axial Realm

36 Middle Devonian to Permian mainly terrestrial and marine clastic sedimentary rocks. Includes minor limestone, evaporite, and volcanic rocks. Commonly deposited in fault-controlled basins, collectively referred to as the Maritimes Basin in Canada.
Narragansett Bay group, Horton Group, Pictou Group

37 Carboniferous to Permian plutonic rocks.
Roseville batholith, Narragansett Pier pluton, Sebago pluton
on Axial Realm

38a. Alluvial and lacustrine clastic sedimentary rocks and local basalt, granite, syenite, gabbro, and minor felsic volcanic rocks; rift basins immediately preceding formation of the Atlantic Ocean.
Newark Supergroup, North Mountain Basalt, Wolfville Formation

38b. New England-Québec igneous suite; alkaline granite, syenite, and gabbro with minor felsic volcanic rocks.
White Mountain magmatic suite

39 Plutonic rocks of unknown age and origin.
Greensboro intrusive suite
on Axial Realm

