

Biostratigraphic age codes: This method is used to numerically represent detailed geologic ages of rocks and fossils, allowing for systematic searches for age ranges. The numbering scheme follows the official System and Series groupings commonly used in North America. A four digit integer system is used.

The first digit represents the Era:

1000 = Cenozoic

2000 = Mesozoic

3000 = Paleozoic

The second digit represents the System:

Mesozoic	Paleozoic
2100 = Cretaceous	3100 = Permian
2200 = Jurassic	3200 = Pennsylvanian
2300 = Triassic	3300 = Mississippian
	3400 = Devonian
	3500 = Silurian
	3600 = Ordovician
	3700 = Cambrian

The third digit represents the Series or Stage:

1 = Upper

2 = Middle

3 = Lower

The fourth digit represents the SubSeries or SubStage:

1 = Upper

2 = Middle

3 = Lower

Where no formal 'Middle' designation exists, the 2 is not used. A zero means no information at that level. Sometimes informal numbers are used to represent time where no formal designation exists.

Examples:

3000 – Paleozoic is the best age constraint that can be applied.

3600 – Ordovician is the best age constraint that can be applied.

3630 – Lower Ordovician age

3631 – Upper Lower Ordovician (Arenigian)

CODE	Era	System	Stage	Substage	Text
2311	Mesozoic	Triassic	Upper	Upper	Upper Upper Triassic (Rhaetian)
2312	Mesozoic	Triassic	Upper	Middle	Middle Upper Triassic (Norian)
2313	Mesozoic	Triassic	Upper	Lower	Lower Upper Triassic (Carnian)
2321	Mesozoic	Triassic	Middle	Upper	Upper Middle Triassic (Ladinian)

CODE	Era	System	Stage	Substage	Text
2323	Mesozoic	Triassic	Middle	Lower	Lower Middle Triassic (Anisian)
2331	Mesozoic	Triassic	Lower	Upper	Upper Lower Triassic (Olenekian)
2333	Mesozoic	Triassic	Lower	Lower	Lower Lower Triassic (Smithian)
3111	Paleozoic	Permian	Upper	Upper	Upper Upper Permian (Changhsingian)
3113	Paleozoic	Permian	Upper	Lower	Lower Upper Permian (Wuchiapingian)
3121	Paleozoic	Permian	Middle	Upper	Upper Middle Permian (Capitanian)
3122	Paleozoic	Permian	Middle	Middle	Middle Middle Permian (Wordian)
3123	Paleozoic	Permian	Middle	Lower	Lower Middle Permian (Roadian)
3131	Paleozoic	Permian	Lower	Upper	Upper Lower Permian (Leonardian)
3133 ^{*(1)}	Paleozoic	Permian	Lower	Lower	Lower Lower Permian (Wolfcampian)
3211	Paleozoic	Pennsylvanian	Upper	Upper	Upper Upper Pennsylvanian (Virgilian)
3213	Paleozoic	Pennsylvanian	Upper	Lower	Lower Upper Pennsylvanian (Missourian)
3221	Paleozoic	Pennsylvanian	Middle	Upper	Upper Middle Pennsylvanian (Desmoinesian)
3222	Paleozoic	Pennsylvanian	Middle	Middle	Middle Middle Pennsylvanian (Atokan)
3223	Paleozoic	Pennsylvanian	Middle	Lower	Lower Middle Pennsylvanian (Upper Morrowian)
3230 ^{*(2)}	Paleozoic	Pennsylvanian	Lower		Lower Pennsylvanian (Lower Morrowian)
3311	Paleozoic	Mississippian	Upper	Upper	Upper Upper Mississippian (Chesterian)
3313	Paleozoic	Mississippian	Upper	Lower	Lower Upper Mississippian (Meramecian)
3331	Paleozoic	Mississippian	Lower	Upper	Upper Lower Mississippian (Osagean)
3333	Paleozoic	Mississippian	Lower	Lower	Lower Lower Mississippian (Kinderhookian)
3411	Paleozoic	Devonian	Upper	Upper	Upper Upper Devonian (Famennian)
3413	Paleozoic	Devonian	Upper	Lower	Lower Upper Devonian (Frasnian)
3421	Paleozoic	Devonian	Middle	Upper	Upper Middle Devonian (Givetian)
3423	Paleozoic	Devonian	Middle	Lower	Lower Middle Devonian (Eifelian)
3431	Paleozoic	Devonian	Lower	Upper	Upper Lower Devonian (Emsian)
3432	Paleozoic	Devonian	Lower	Middle	Middle Lower Devonian (Pragian)
3433	Paleozoic	Devonian	Lower	Lower	Lower Lower Devonian (Lochkovian)
3511	Paleozoic	Silurian	Upper	Upper	Upper Upper Silurian (Pridolian)
3513	Paleozoic	Silurian	Upper	Lower	Lower Upper Silurian (Ludlovian)
3531	Paleozoic	Silurian	Lower	Upper	Upper Lower Silurian (Wenlockian)

CODE	Era	System	Stage	Substage	Text
3533	Paleozoic	Silurian	Lower	Lower	Lower Lower Silurian (Llandoveryian)
3611	Paleozoic	Ordovician	Upper	Upper	Upper Upper Ordovician (Richmondian)
3612	Paleozoic	Ordovician	Upper	Middle	Middle Upper Ordovician (Maysvillian)
3613	Paleozoic	Ordovician	Upper	Lower	Lower Upper Ordovician (Edenian)
3621	Paleozoic	Ordovician	Middle	Upper	Upper Middle Ordovician (Caradocian)
3622	Paleozoic	Ordovician	Middle	Middle	Middle Middle Ordovician (Llandeilan)
3623	Paleozoic	Ordovician	Middle	Lower	Lower Middle Ordovician (Llanvirnian)
3631	Paleozoic	Ordovician	Lower	Upper	Upper Lower Ordovician (Arenigian)
3633	Paleozoic	Ordovician	Lower	Lower	Lower Lower Ordovician (Tremadocian)
3711	Paleozoic	Cambrian	Upper	Upper	Upper Upper Cambrian (Trempealeauan)
3712	Paleozoic	Cambrian	Upper	Middle	Middle Upper Cambrian (Franconian)
3713	Paleozoic	Cambrian	Upper	Lower	Lower Upper Cambrian (Dresbachian)
3721	Paleozoic	Cambrian	Middle	Upper	Upper Middle Cambrian
3722	Paleozoic	Cambrian	Middle	Middle	Middle Middle Cambrian
3723	Paleozoic	Cambrian	Middle	Lower	Lower Middle Cambrian
3731	Paleozoic	Cambrian	Lower	Upper	Upper Lower Cambrian
3732	Paleozoic	Cambrian	Lower	Middle	Middle Lower Cambrian
3733	Paleozoic	Cambrian	Lower	Lower	Lower Lower Cambrian

*Notes:

(1) Lower Lower Permian could be subdivided one level further into (1)Upper (Artinskian), (2)Middle (Sakmarian), and (3)Lower (Asselian) but this is not used in this database.

(2) Lower Pennsylvanian is not subdivided further.