

THE GEOLOGICAL RECORD

OR, ORDER OF SUCCESSION OF THE STRATIFIED FORMATIONS OF THE EARTH'S CRUST

	Europe	North America	India and adjacent regions	New Zealand
QUATERNARY OR POST-TERTIARY	Recent and Prehistoric—alluvia of rivers, lakes, and seas; peat, shell-beds, etc. Younger raised beaches, kitchen-middens, lake-dwellings, etc. Neolithic and Palæolithic deposits. Pleistocene (Diluvium)—cave deposits, Loess, older valley-gravels and raised beaches. Glacial deposits, consisting of latest moraines, upper boulder-clays and esker drifts, interglacial beds and lower boulder-clays.	Recent. Champlain—old terraces (marine, lacustrine and fluvial), unstratified drifts, passing down into glacial deposits.	Recent and Post-tertiary alluvium. Laterite.	Recent, alluvium, volcanic rocks. Pleistocene, with <i>Moa</i> bones and traces of man, glacial deposits; raised beaches.
TERTIARY OR CAINOZOIC	Pliocene—English Forest-bed group and subdivisions of the Crag; Arnusian and Villafrancian of southern France and northern Italy; Astian of Liguria and southern France; Plaisancian of northern Apennines and southern France; Diestian of Holland and Belgium (older Crag of England); Messinian and Zanclean of Sicily and Italy. Miocene—not known in Britain; in France, Switzerland, Italy, (3) Tortonian marls underlain by (2) Helvetian sands (Faluns of Touraine), and these by (1) Lhangian sands, marls, and limestones (Orleanais, Sansan, etc.); Bolderian and Anversian of Belgium; Sarmatian overlying Mediterranean stage of Vienna basin; Molasse of Switzerland.	Pliocene—Not certainly recognizable in Eastern States. Loup River group of Upper Missouri. Miocene—Sumpter, Yorktown, (Marylandian, Virginian, Carolinian) of Eastern States, White River beds of Upper Missouri.	Upper and middle Sewalik beds. Upper Manchhars of Sind. Lower Manchhars of Sind.	Shingle Plains. Lignite and Kereru beds. Upper—Wanganui and Awatere beds. Lower—Maungapakeha and Pareora beds.

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