

British Quaternary / Pleistocene Stage definitions Compiled by P.L.Gibbard 2011, modified from Shotton, F.W. 1973.

Stage	Type locality, grid reference	Notes on stratotype boundary, lithostratigraphy	References	Previous names
Flandrian	None defined	Begins at 10 C14 ka BP. Coincident or nearly so with the base of pollen (bio-)zone IV	Godwin (1956)	
Devensian	Four Ashes, Staffordshire (SU 914082)	Late Devensian Substage: 10-26 ka BP	Morgan, A.V. (1973) Morgan, Anne (1973)	
		Middle Devensian Substage: 26-50 ka BP		
		Early Devensian Substage: That part preceding 50 ka BP		
Ipswichian	Bobbitshole, Ipswich (TM 148414)	Interglacial lake muds and associated sediment (base at base of biozone Ip 1 (zone c of West 1957)	West (1957) Boundary-stratotype defined by Gibbard & Turner (1980)	
Wolstonian	Wolston, Warwickshire (SP 411748)	Sequence of glacial sediments including Baginton-Lillington Gravels, Baginton Sands, and associated diamictos. Lower limit at base of Baginton-Lillington Gravels at type section	Shotton (1953) Boundary-stratotypes defined by Gibbard & Turner (1980)	Gippingian
Hoxnian	Hoxne, Suffolk (TM 175767)	Lake muds and associated sediments at Hoxne. Base at beginning of (bio-) zone Ho 1 (zone IIa of West, 1956)	West (1956)	
Anglian	Corton, Suffolk (TM 543977)	Lowestoft Stadial – Lowestoft (Till) Formation)	Baden-Powell (1950)	Lowestoftian
		Corton ‘Interstadial’ – Corton Sands		
		Gunton Stadial – North Sea Drift Formation – (Norwich ‘Brickearth’ – Cromer Till). Base at bottom of lowermost till of the Corton section.		
Cromerian	West Runton, Norfolk ((TG 188432)	Estuarine sands, silts, freshwater peat (Upper or West Runton Freshwater Bed). Base at base of (bio-) zone Cr I.	West & Wilson (1966), West (1980)	
Beestonian	Beeston, Norfolk (TG169433)	Gravels, sands, silts, (Arctic Freshwater Bed). Base at base of (bio-) zone Be I.		
Pastonian	Paston, Norfolk (TG 341352)	Estuarine silts, freshwater peat. Base at base of Pa I.		
Pre-Pastonian (substage divisions, a,b, c)	Happiburgh, Norfolk borehole	Marine sands, clay and silts. Base at –16.5 m at Happisburgh	West (1980)	
Bramertonian	Bramerton, Norfolk (TG 295060)	Marine sands, clay and silts	Funnell et al. (1979)	
Baventian	Easton Bavents (TM 518787)	Marine silts. Base at base of pollen (bio-) zone L 4.	Funnell & West (1962)	
Antian	Ludham, Norfolk (TG 385199)	Marine shelly sand. Base at base of pollen (bio-)zone L 3. Foraminiferan biozone L V	West (1961), Funnell (1961)	
Thurnian		Marine silt. Base at base of pollen (bio-)zone L 2. Foraminiferan biozone L III		
Ludhamian		Marine shelly sand. Base at base of pollen (bio-)zone L 1. Foraminiferan biozone L I		
Pre-Ludhamian (replaced Waltonian)	Stradbroke, Norfolk (Walton-on-the-Naze, Essex: TM 267237)	Marine shelly sand (originally basal Red Crag. Base at base of Red Crag at Walton).	Refs Wood (1866)	