Locations of the studied sections

DIEPPE-HAMPSHIRE BASIN

Siège-Madame BRGM Stratigraphic Augerhole: Eu Forest, ~600 m SSE of the Eu city centre and ~1800 m W of the Incheville city centre, Seine-Maritime, France

Phare d'Ailly BRGM Stratigraphic Core: The Channel coast, ancient Ailly Lighthouse, ~100 m N of the modern Ailly Lighthouse, Sainte-Marguerite-sur-Mer, Seine-Maritime, France

Cap d'Ailly composite Section: Cliff on the Channel coast, ~300 m NW from the modern Ailly Lighthouse, Sainte-Marguerite-sur-Mer, Seine-Maritime, France

Blanc Pâtis Section: Cliff on the Channel coast, ~1900 m NE of the Varengeville-sur-Mer city centre, Seine-Maritime, France

Vasterival Section: Cliff on the Channel coast, ~470 m NW of the modern Ailly Lighthouse, Sainte-Marguerite-sur-Mer, Seine-Maritime, France

Criel Section: Cliff on the Channel coast, ~1900 m NW of the Criel-sur-Mer city centre, Seine-Maritime, France

Sotteville-sur-Mer composite Section: cliff on the Channel coast, ~750 m N of the city centre and BRGM Stratigraphic Augerhole, ~250 m S of the steep stairs that go down to the beach, Seine-Maritime, France

Shamblehurst Barn (old Shamblehurst Lane) BGS Stratigraphic Core: drilled in the eastern suburbs of Southampton, ~ 6500 m from the Itchen River, Hampshire, United Kingdom

PARIS BASIN

Therdonne BRGM composite Section: old quarry outcrop and BRGM stratigraphic Augerhole**:** hillock of Bourguillemont, ~1225 m ESE of the city centre, Oise, France

Le Tillet BRGM Stratigraphic Core: N of the Mello Wood, crossroads of local path No.10 and No.12, ~500m SE of the Le Tillet hamlet centre, Cires-lès-Mello, Oise, France

Sinceny BRGM Stratigraphic Augerhole: Immediate N from the Haute Borne Farm, in front of the cemetery, ~800 m ENE of the city centre, Aisne, France

Noyon-1 and Noyon-2 SEINORD Geotechnical Cores: ~1200 m W of the city centre, Oise France

Cuise-la-Motte BRGM Stratigraphic Core: near the old sand pit, where the stratotype of the Cuisian Stage was defined, ~800 m WSW from the city centre, Oise, France

Dormans-Try BRGM Stratigraphic Augerhole: at the edge of the Nourais vineyard path, near a wood corresponding to the old quarries where mammal fossils were collected in the 19th century, ~260 m W of the hamlet of Try, Marne, France

Venteuil BRGM Stratigraphic Core: ~500 m E of city centre, immediate N of the road and on the edge of vineyards, Marne, France

Montmacq SEINORD Geotechnical core: along the river Oise, ~980 m NNE of city centre, Oise, France

Porquericourt SEINORD Geotechnical core: ~700 m NNE of city centre, Oise, France

Lihons quarry: sand pit, soon filled and vegetalized, ~ 1000 m W of city centre, Somme, France

Holnon quarry: old sand pit, now a wood, ~2100 m WSW of city centre, Aisne, France

Clairoix Section: Cliff corresponding to an old quarry in a private property, ~500 m E of the city centre and 435 m S of the Mont Ganelon telecom relay antenna, Oise, France

Rivecourt-Petit Pâtis Section: Lafarge quarry in the Oise alluvium, ~1500 m S of the city centre, Oise, France

Laon Section: along the road D23, ~7500 m SSW of the city centre, Aisne, France

Brimont Section: hillock, ~975 SW of the city centre, Marne, France

NORTHERN FRANCE AND BELGIUM

Bois-de-Ville BRGM Stratigraphic Augerhole: ~3000 m E of the Grandglise city centre, Hainaut, Belgium

Wizernes Section: old sand pit Helfaut, ~1500 m SE of the city centre, Pas-de-Calais, France

Flines-lez-Râches Section: sand pit, ~1800 m NW of the city centre, Nord, France

Boiry-Notre-Dame Section: along the highway A1, ~5000 m W of the city centre, Pas-de-Calais, France

Avesnois-007 BRGM Stratigraphic Augerhole: Mormal Forest, Locquignol, ~2300 m E of the Hecq city centre, Nord, France

Avesnois-031 BRGM Stratigraphic Augerhole: Viesly, close to the city centre, Nord, France

Vertain BRGM Stratigraphic Augerhole: in the fields along the Trousse Minou path, close to the old sand pit, ~650 m E of the city centre, Nord, France

LONDON BASIN

London Jubilee Line 404T Geotechnical (and BGS Stratigraphic) Core: drilled for the extension of the Jubilee line of the London subway, slightly S of the London Bridge, United Kingdom

Shotley Gate BGS Core: drilled at ~1500 m from Shotley (between Harwich and Felixstowe), in the fields between the city centre and the marina of Shotley Gate, Suffolk, United Kingdom

Stanford-Le-Hope BGS Stratigraphic Core: drilled south of the town, in the fields close to the Thames estuary, ~500 m SE of the city centre, Essex, United Kingdom

NORTH SEA

BGS 81/46A Core: drilled in the British Sector of the North Sea, 59.99 N, 32.27 E