

**Table 1 - Lithostratigraphical units from the GeoTOP model, Digital Geological Model and Digital Geological Model Deep. \*1: units not formally defined in the Lithostratigraphical Nomenclature of the shallow subsurface. \*2: this unit corresponds to the Schaarsbergen Member in GeoTOP in this region.**

Code	Description	Depositional domain	Main composition
<b>GeoTOP v1.3</b>			
AAOP	Anthropogenic deposits	Man-made	Sand and clay, waste
NIGR	Nieuwkoop Formation, Griendtsveen Member	Marshes	Peat
BXSII <sup>*1</sup>	Boxtel Formation, Singraven Member, unit 1 (uppermost unit)	Marshes	Peat
NA	Naaldwijk Formation, no differentiation between Wormer and Walcheren Members	Tidal	Sand and clay
NAWA	Naaldwijk Formation, Walcheren Member	Tidal	Sand and clay
NIHO	Nieuwkoop Formation, Hollandveen Member	Marshes	Peat
NAWO	Naaldwijk Formation, Wormer Member	Tidal	Clay and sand
NIBA	Nieuwkoop Formation, Basal Peat Bed	Marshes	Peat
NASC	Naaldwijk Formation, Schoorl Member	Aeolian	Sand
NAZA	Naaldwijk Formation, Zandvoort Member	Shoreface	Sand
BXWI	Boxtel Formation, Wierden Member	Aeolian (cover sands)	Sand
BXSII <sup>*1</sup>	Boxtel Formation, Singraven Member, unit 2 (lowermost unit)	Brooks	Sand and clay
BX	Boxtel Formation	Fluvial (local rivers)	Sand and loam
EE	Eem Formation	Shallow marine / coastal plain	Sand and clay
DR <sup>*2</sup>	Drente Formation	Glacial	Coarse sand and clay
DRGI	Drente Formation, Gieten Member	Glacial	Till
DN	Drachten Formation	Aeolian and local rivers / lakes	Sand
URTY	Urk Formation, Tynje Member	Fluvial (Rhine), tidal	Sand and clay
PE	Peelo Formation	Subglacial, proglacial and meltwater	Sand and clay
URVE	Urk Formation, Veenhuizen Member	Fluvial (Rhine)	Sand
AP	Appelscha Formation	Fluvial (eastern rivers)	Sand
PZWA	Peize Formation and Waalre Formation (Peize in this region)	Fluvial (Eridanos) and coastal plain	Sand
<b>Digital Geological Model (DGM v2.2)</b>			
HL	Combined Holocene Formations	Tidal, marshes, man-made	Sand, clay, peat, waste
BX	Boxtel Formation	Fluvial (local rivers) and aeolian (cover sands)	Sand and loam
EE	Eem Formation	Shallow marine / coastal plain	Sand and clay
DR	Drente Formation	Glacial	Coarse sand and clay
DN	Drachten Formation	Aeolian and local rivers / lakes	Sand
URTY	Urk Formation, Tynje Member	Fluvial (Rhine), tidal	Sand and clay
PE	Peelo Formation	Subglacial, proglacial and meltwater	Sand and clay
URVE	Urk Formation, Veenhuizen Member	Fluvial (Rhine)	Sand
AP	Appelscha Formation	Fluvial (eastern rivers)	Sand
PZWA	Peize Formation and Waalre Formation (Peize in this area)	Fluvial (Eridanos) and coastal plain	Sand
MS	Maassluis Formation	Shallow marine and coastal	Sand and clay
OO	Oosterhout Formation	Shallow marine	Sand
BR	Breda Formation	Shallow marine	Sand and clay
<b>Digital Geological Model Deep (DGM Deep v4.0)</b>			
NU	Upper North Sea Group	Fluvial, tidal, shallow marine, glacial	Sand, clay
NM_NL	Middle & Lower North Sea Group	Marine	Clay, sand and marl
CK	Chalk Group	Marine	Limestone
KN	Rijnland Group	Shallow marine, lagoonal and open marine	Sand, clay and marl
RB+RN	Lower- and Upper Germanic Trias Group	Marine, deltaic, fluvial and aeolian	Sand, Clay, minor evaporites
ZE	Zechstein Group	Marine evaporite basin	Rocksalt, limestone and anhydrite
RO	Upper Rotliegend Group	Fluvial, aeolian, playa-lake	Sand and clay
DCC_DC D_DCH	Limburg Group	Marine, deltaic and Fluvial	Sand, Clay, Coal