

Heizel Facies (Bolderberg Formation)

Unit name: Heizel Facies

Hierarchical unit name: Bolderberg Formation

Type: Facies

Code: BbHe

Author(s):

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- Modification of: Le Hon (1862), revised by De Meuter & Laga (1976)

Alternative names: Sables Chamois

Origin of the name: The origin of the name of the unit is discussed in Louwye et al. (2020).

Status: Formal

Date: 01/05/2022

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Characterizing description

Yellow-brown, micaceous, fine-grained sand. Thin clay layers are present (Gulinck, 1956, 1959). A gravel layer consisting of flint pebbles, marine mammal bone fragments and plant fragments is present at the base of the unit.

Type section, type locality, type borehole, type CPT and/or type geophysical borehole

Top of the hills west of Brussels near the village Jette. No precise section nor location is given.

Description upper boundary

The Heizel Facies is covered by Quaternary deposits, occasionally by isolated patches of the upper Miocene Diest Formation (Gulinck, 1956, 1959).

Description lower boundary

The unit rests on Bartonian deposits (Gulinck, 1956, 1959).

Thickness

Gulinck (1956; 1959) mentions a thickness of 1.5 m for the Heizel Facies.

Occurrence

The Heizel Facies occurs in the top of the hills west of Brussels.

Regional correlations

The gravel layer at the base of the Heizel Facies has been correlated with the Elsoo Gravel at the base of the Bolderberg Formation (De Heinzelin, 1963).

Age

No precise absolute or relative dating is available for the Heizel Facies.

Dataset

Data in the LIS are part of the [DOV-Neogene data collection](#), including links to the GSB-collection data sheets.

Subset of the lower and middle Miocene: <https://www.dov.vlaanderen.be/data/opdracht/2020-022192>

References

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Le Hon, H., 1862. Terrains tertiaires de Bruxelles, leur composition, leur classement, leur faune et leur flore. Bulletin de la Société géologique de France, 2e série, 19, 804–831.

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