



23/11/2016

HET LID VAN MAASEIK – NCS 19/02/2016

johan matthijs

LID VAN MAASEIK: DEFINITIE

PALAEONTOGRAPHICA

BEITRÄGE ZUR NATURGESCHICHTE DER VORZEIT

Abt. A. Bd. 247

High-resolution holostratigraphy
of Middle Paleocene to Early Eocene strata
in Belgium and adjacent areas

BY
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Maaseik Clay Member (new)

Name: Maaseik, village in the extreme NE of Belgium, close to the Dutch border (Fig. 1); introduced in the present paper.

Rank: Member, introduced to define the marly clays, tentatively named “calcareous Landen clay” by LAGA & VANDORMAEL (1990), overlying the Gelinden marls in NE Belgium.

Stratotype: pale grey marly clay between 263.5 m and 272 m depth in borehole 22 of the “Kempische Steenkolen” (KS 22 or hole 63E-222 of the Belgian Geological Survey) at Opoeteren, municipality of Maaseik (map-sheet 26/2; coordinates: x = 238.787, y = 191.238) (Fig. 2).

Distribution: known from several boreholes in N and NE Belgium, not recorded in the Hasselt-Genk area.

Junctions: interburrowed with underlying unit; sharp with overlying Waterschei Clay.

Underlying unit: see heading Hannut Formation.

Overlying unit: stiff clays of the Waterschei Clay Member.

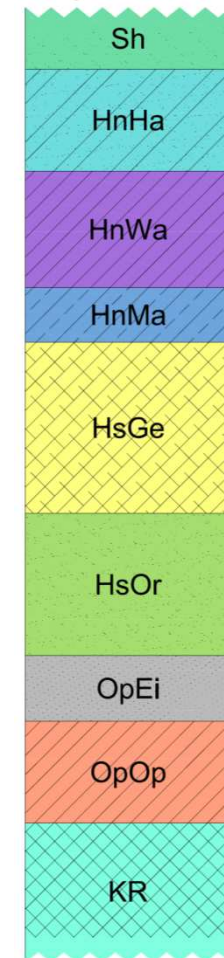
Sequence stratigraphy: not quite understood: part of the third order depositional sequence T-A, or an older additional sequence.

Biostratigraphy: the lowermost 3 m are attributable to nannofossil zone NP6 (presence of *Heliolithus kleinpellii*; absence of *H. riedelii* and *Discoaster mohleri*); no data available for the upper part (see Figs. 2 & 3).

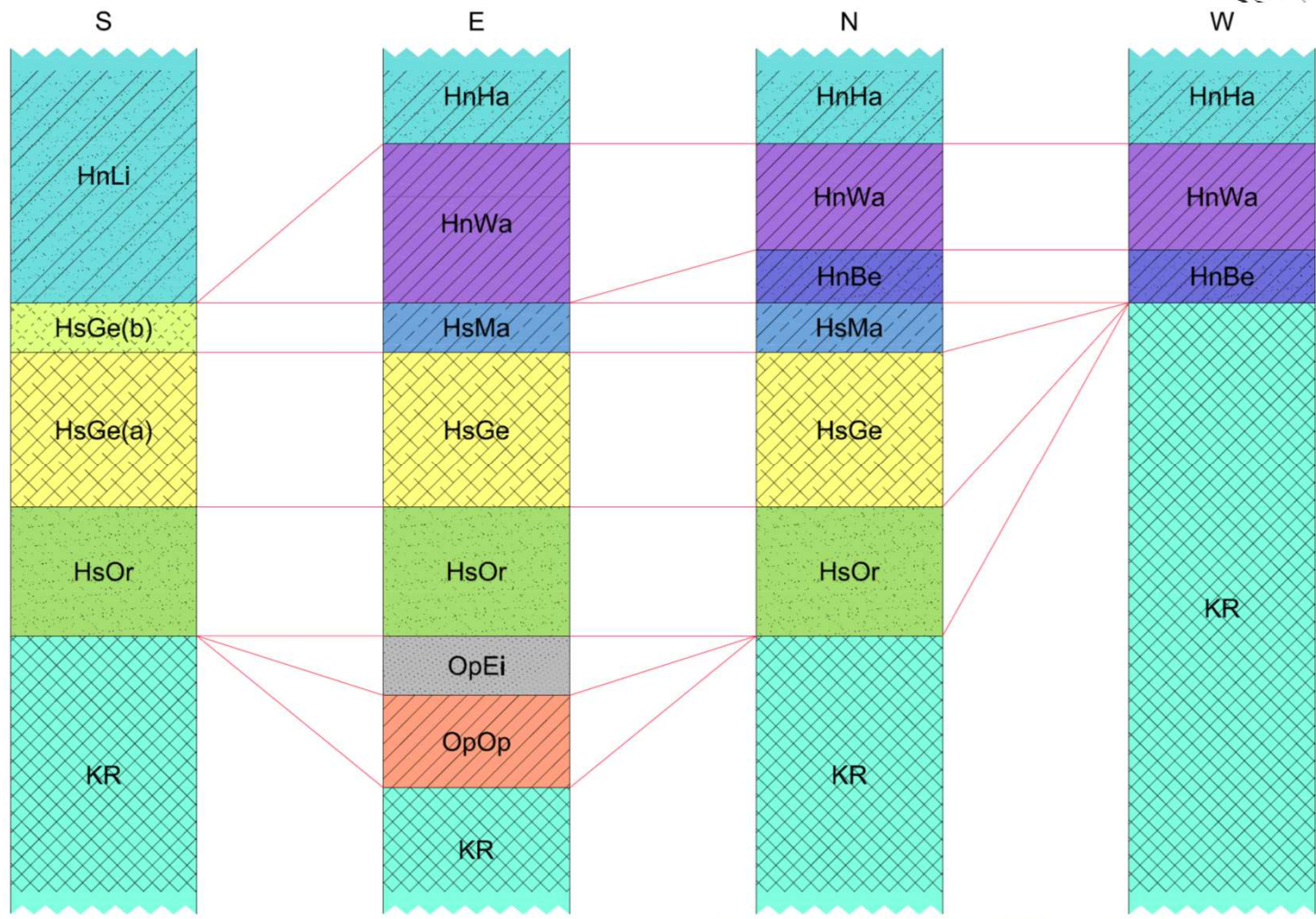
Depositional environment: marine unit, although traces of lignite.

Correlation with other units: is believed to correlate with the “Tuffeau de Wizernes” of NW France, and the “lower division” in the Bradwell borehole (Essex) (KNOX et al. 1994), which probably correlates with the Stourmouth Clays and the Pegwell Marls of Kent.

Age: Early Thanetian.



CORRELATIE OVERZICHT



LID VAN MAASEIK: BOORGATMETINGEN

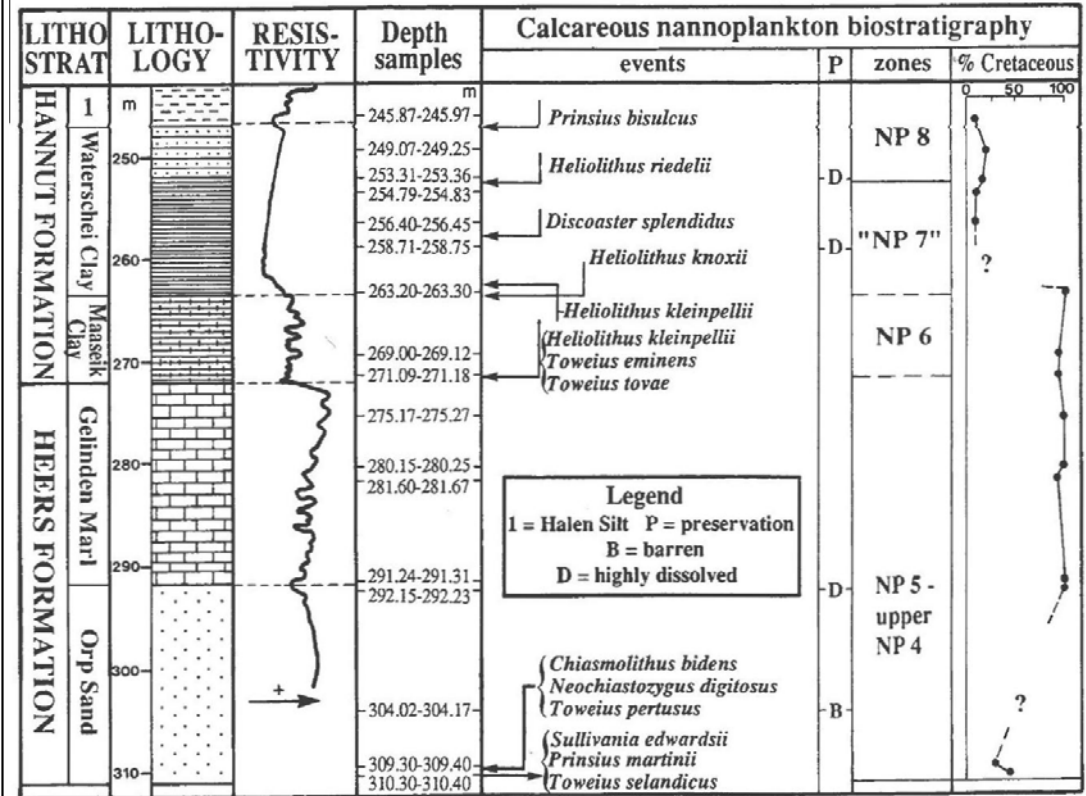
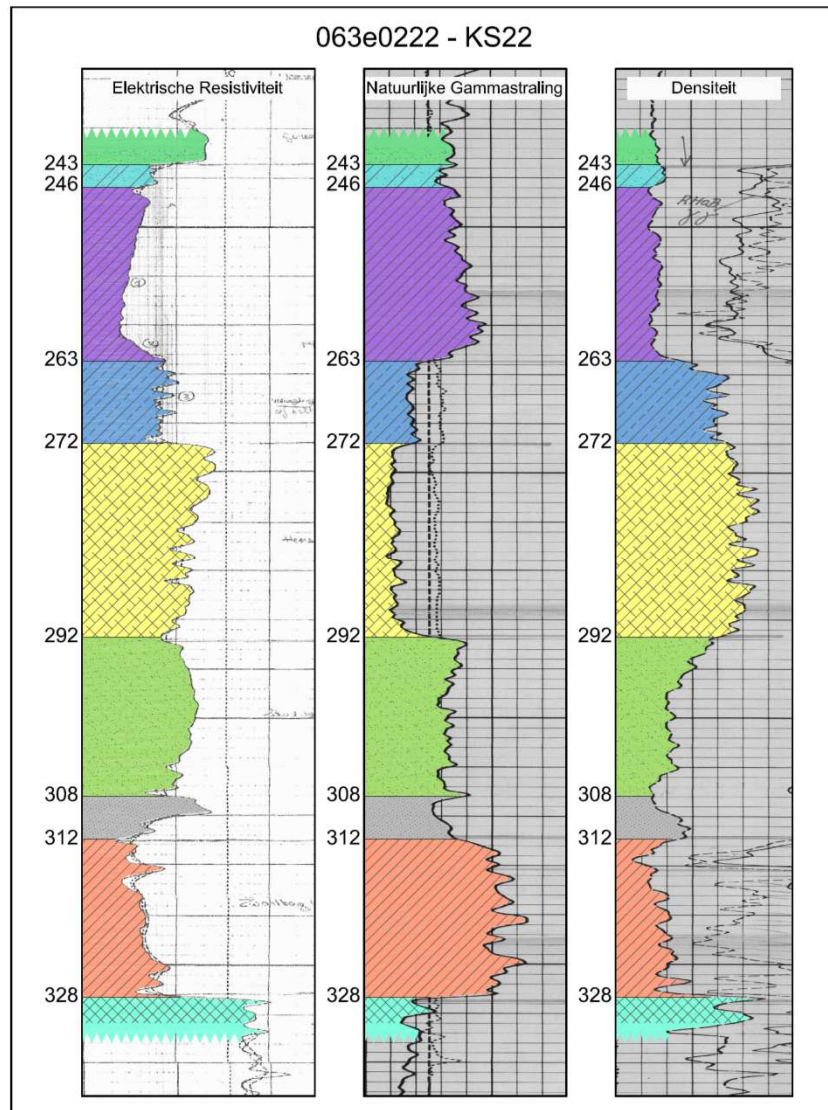
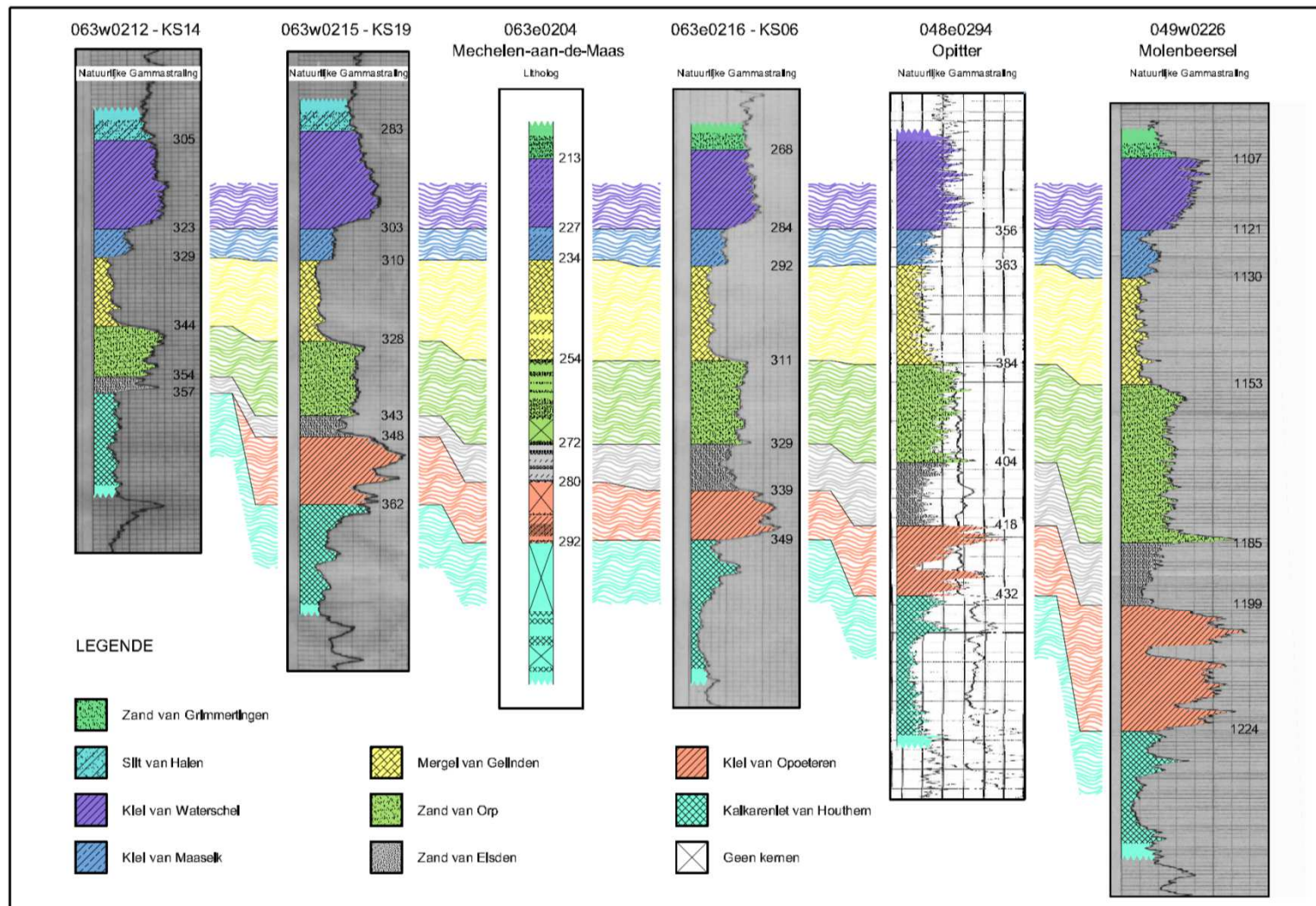


Fig. 2. Stratigraphy and calcareous nannofossils of the Heers Formation and the Hannut Formation in borehole 63E-222 (= KS 22) at Maaseik, Opoeteren.



SITUATIE IN LIMBURG (E)



TYPESECTIE OVERBROEK

