

# A Geomorphological Atlas of the Yorkshire Wolds

by Derek Gobbett

Figures 1 to 5

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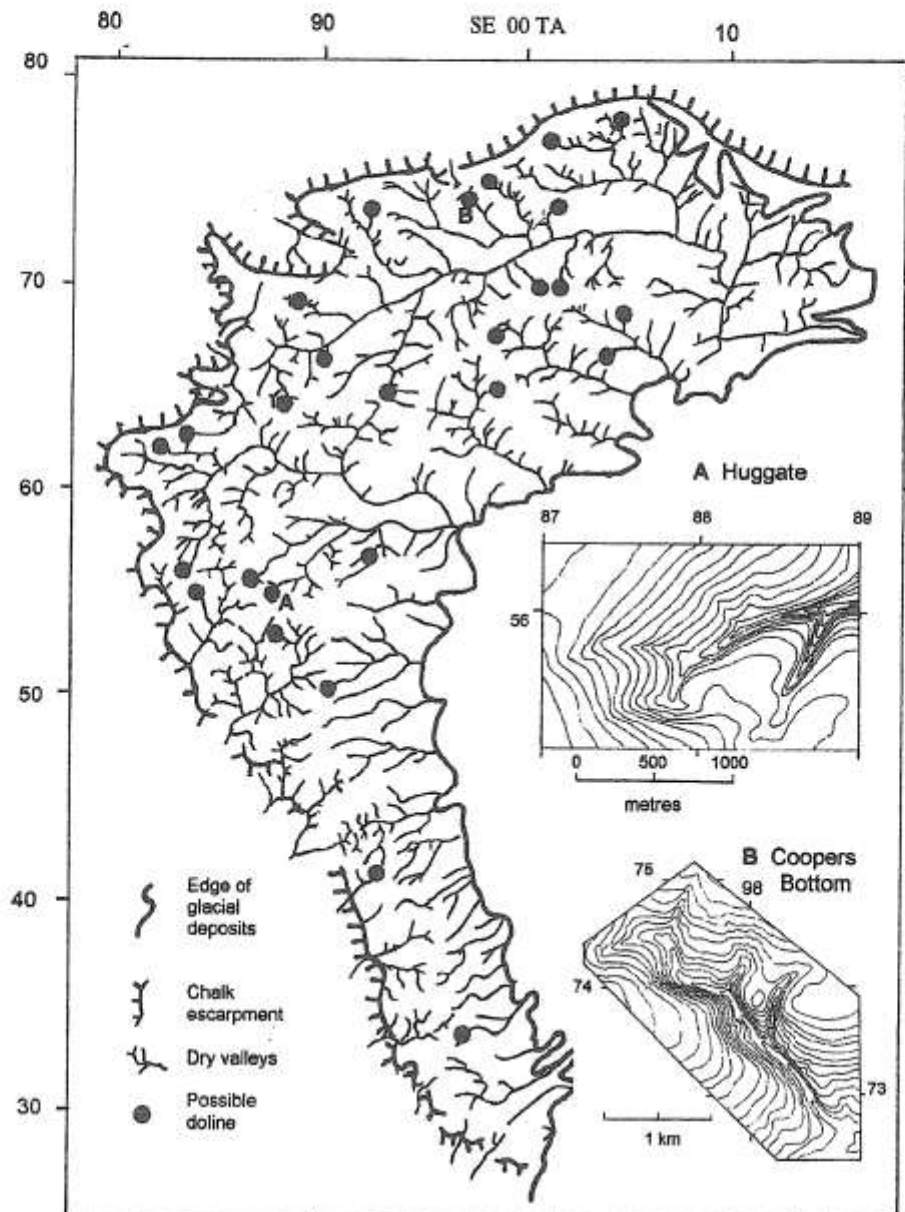


Fig.1. Map to show the dry valley network (based on Lewin 1969, fig 13) and the distribution of doline-like features at or near dry valley heads. Marginal numbers refer to the National Grid. Inset: details of two of these features showing contours at 5m intervals.

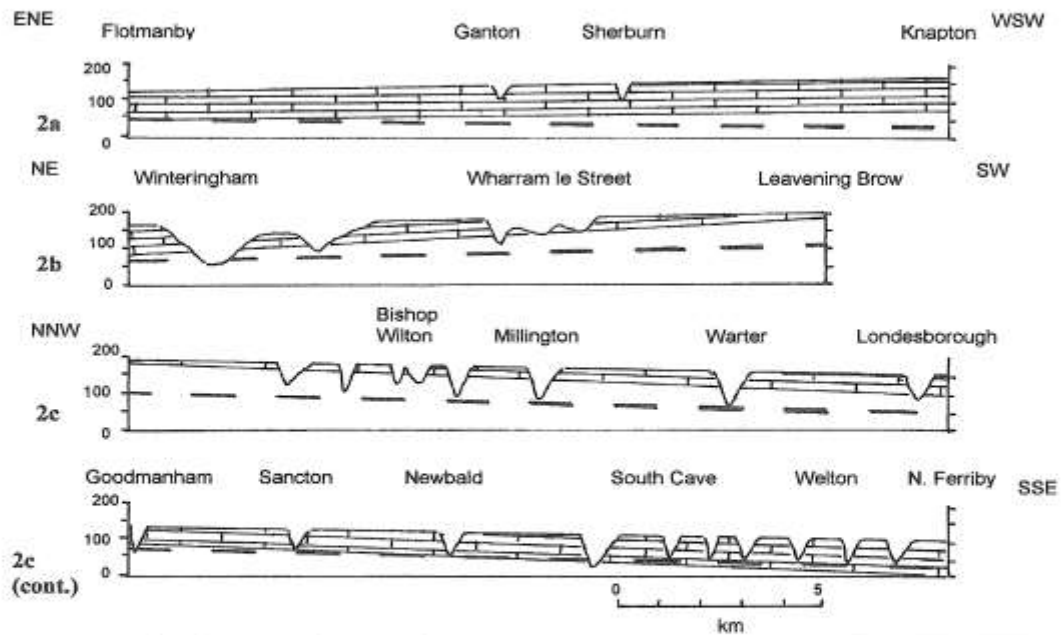


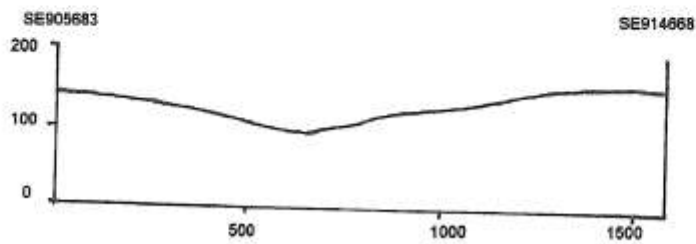
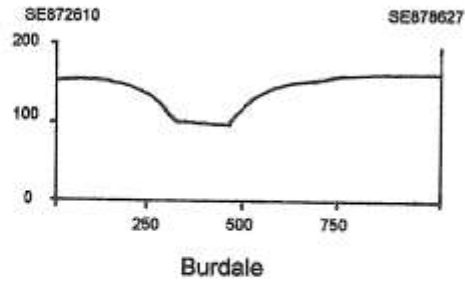
Fig.2. Diagram to show features of the Wolds escarpment.

2a. Flotmanby to Knapton, 2b. Knapton to Leavening Brow, 2c. Leavening Brow to North Ferriby.

The base of the escarpment is shown by a thick broken line, the Chalk by brick ornament. The blank areas represent the strata below the Chalk, in 2a these are Speeton Clay, in 2b Kimmeridge Clay and Lower Lias, and in 2c mainly Lias clays with some patches of thin Middle Jurassic and, from Newbald to North Ferriby, Upper Jurassic clays.

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**Great Wold Valley at Kirby Grindalythe**

Fig.3. Comparative cross sections of Burdale, a typical dry valley, and the Great Wold Valley to show contrast in profile. Heights and distances in metres.

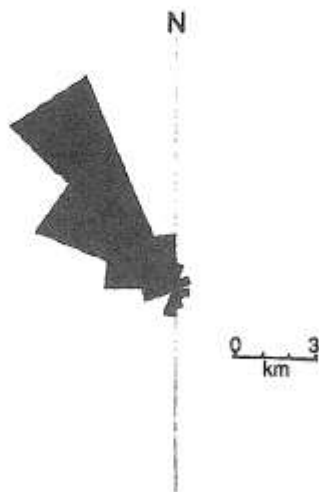


Fig.4. Rose diagram to show the facing directions of the steeper side of 30 asymmetrical dry valleys. Total length of the measured sides is 24.6 km.

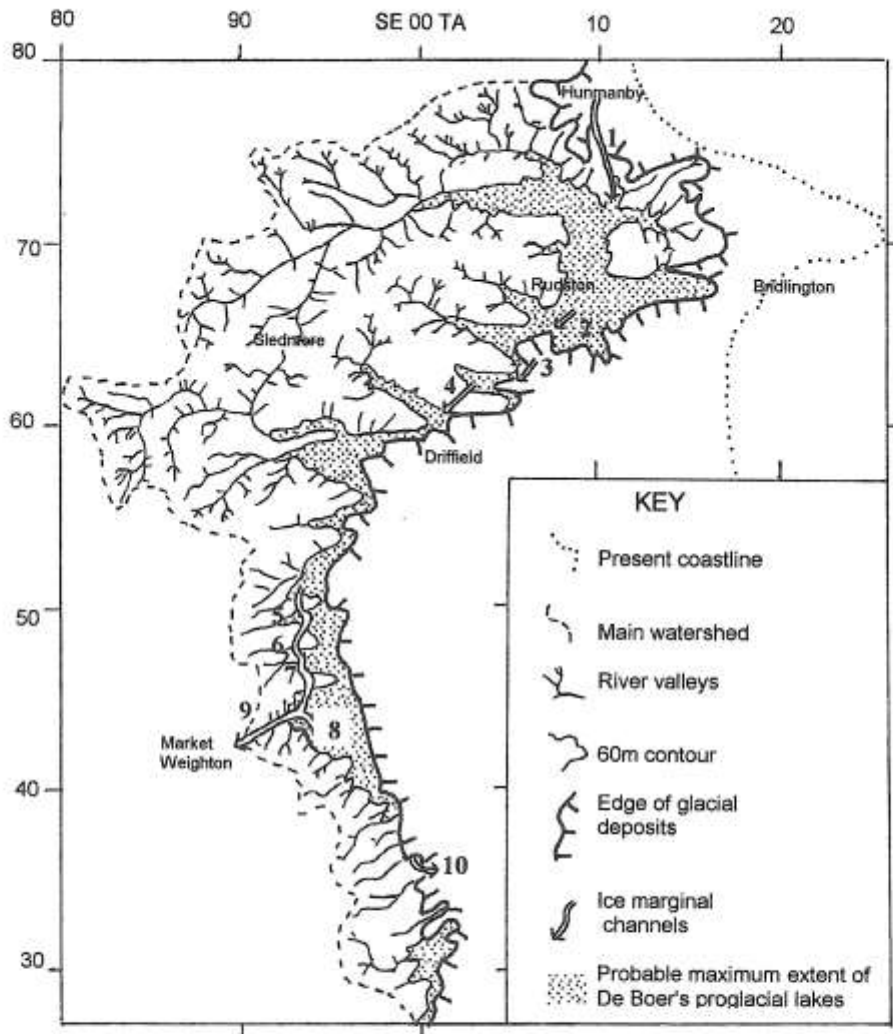


Fig.5. Map of the Yorkshire Wolds dip slope reconstructed for the Late Devensian summer. Numbered channels interpreted by De Boer (1945) as overflow channels and here considered as ice marginal channels with maximum altitude OD as follows.

- |                                   |                    |                     |
|-----------------------------------|--------------------|---------------------|
| 1. Hunmanby 70m                   | 2. Kilham Lane 48m | 3. Ruston Parva 52m |
| 4. Danes Dale 64m                 | 5. Middleton 63m   | 6. Lund Wold 57m    |
| 7. Holm, Short and Long Dales 52m | 8. Old Dale 44m    |                     |
| 9. Goodmanham Dale 50m            | 10. Risby Park 50m |                     |

Marginal numbers refer to 10km squares of the National Grid

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