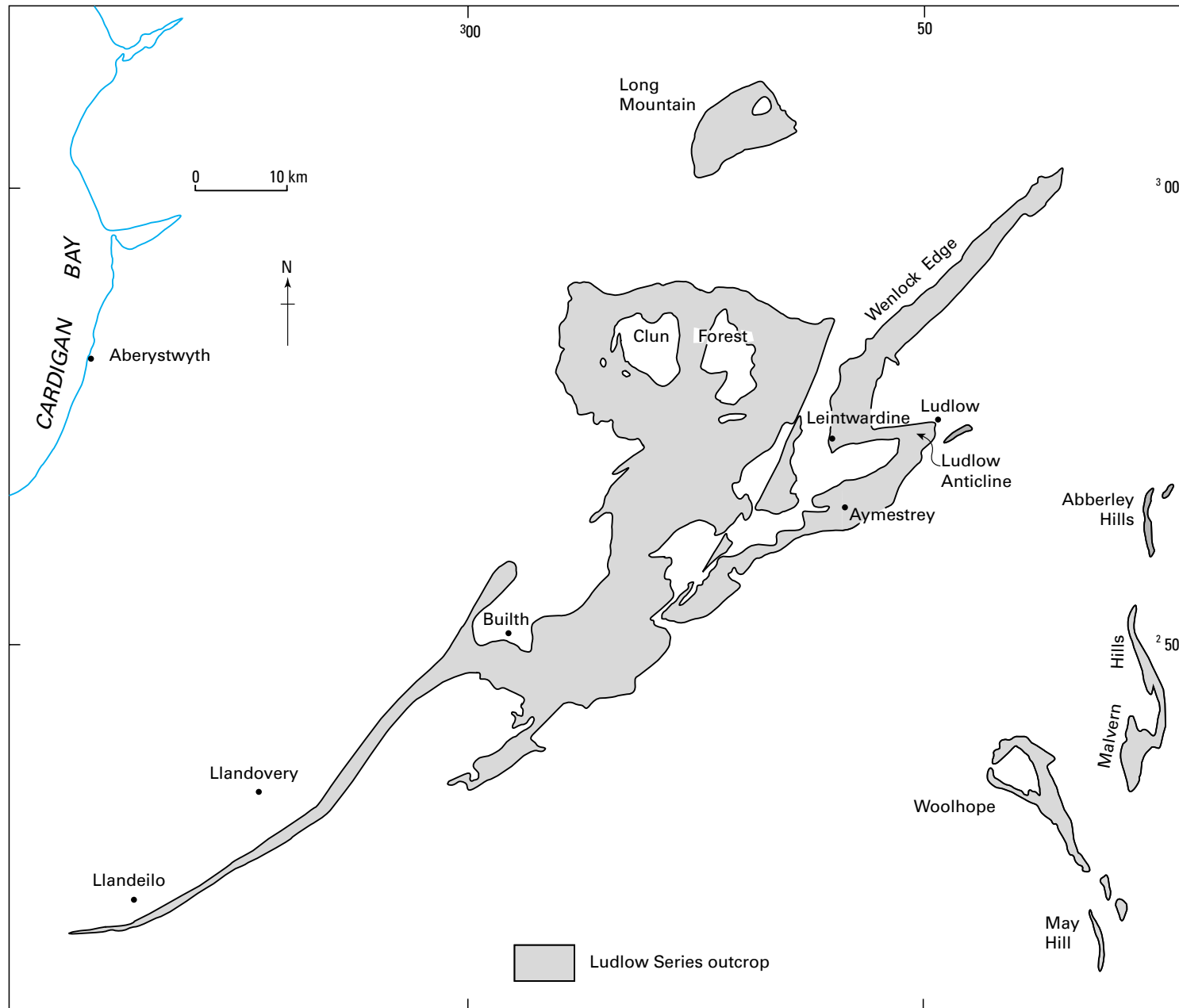


Outcrop of the Ludlow Series in mid Wales and the Wesh Borderland.

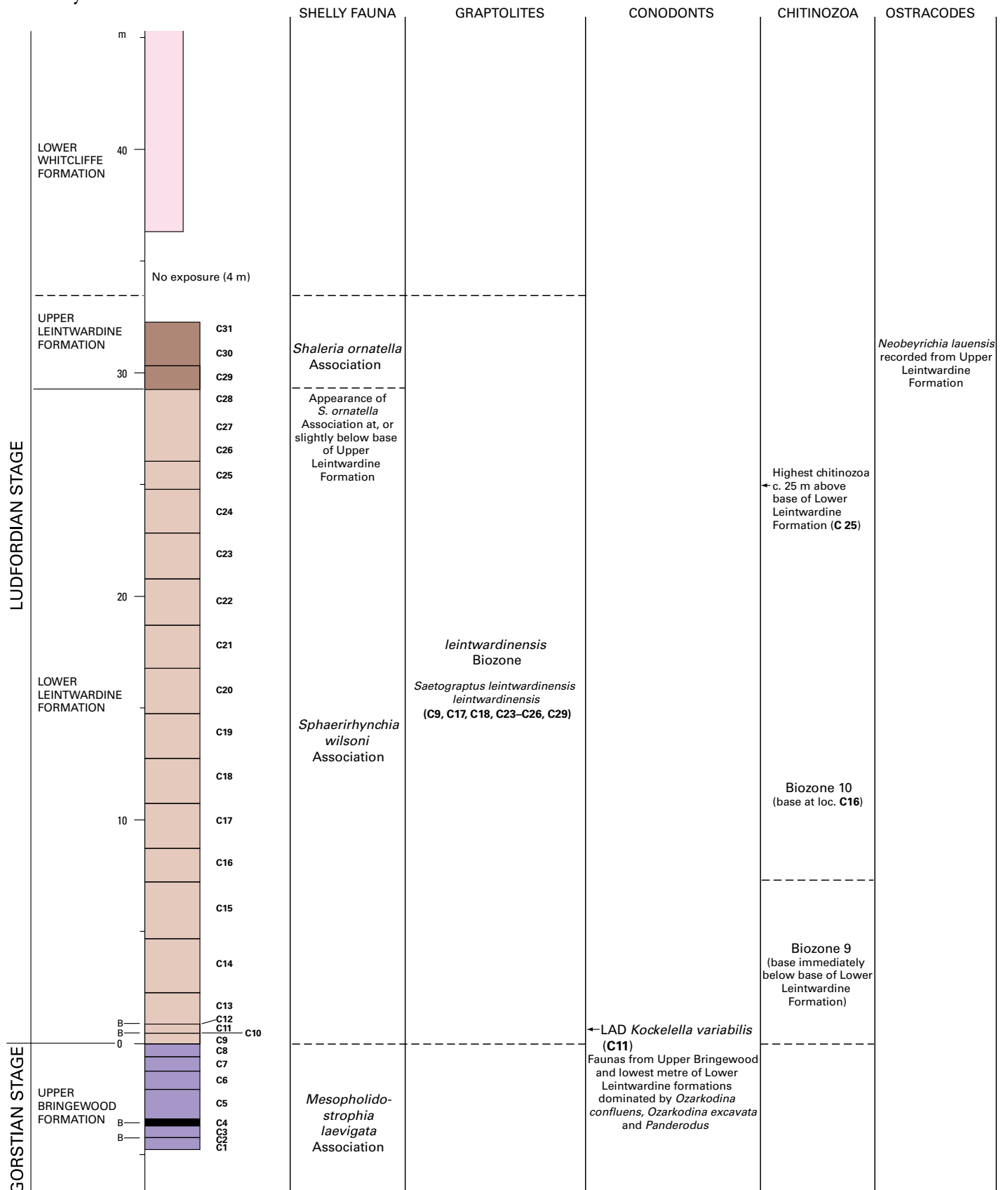


See: 'Ludlow Anticline' for a map of the type area.

[Return to 'The Ludlow Series \(Upper Silurian\) of the type area - introductory page'.](#)

(Author : SGM)

Sunnyhill – vertical section



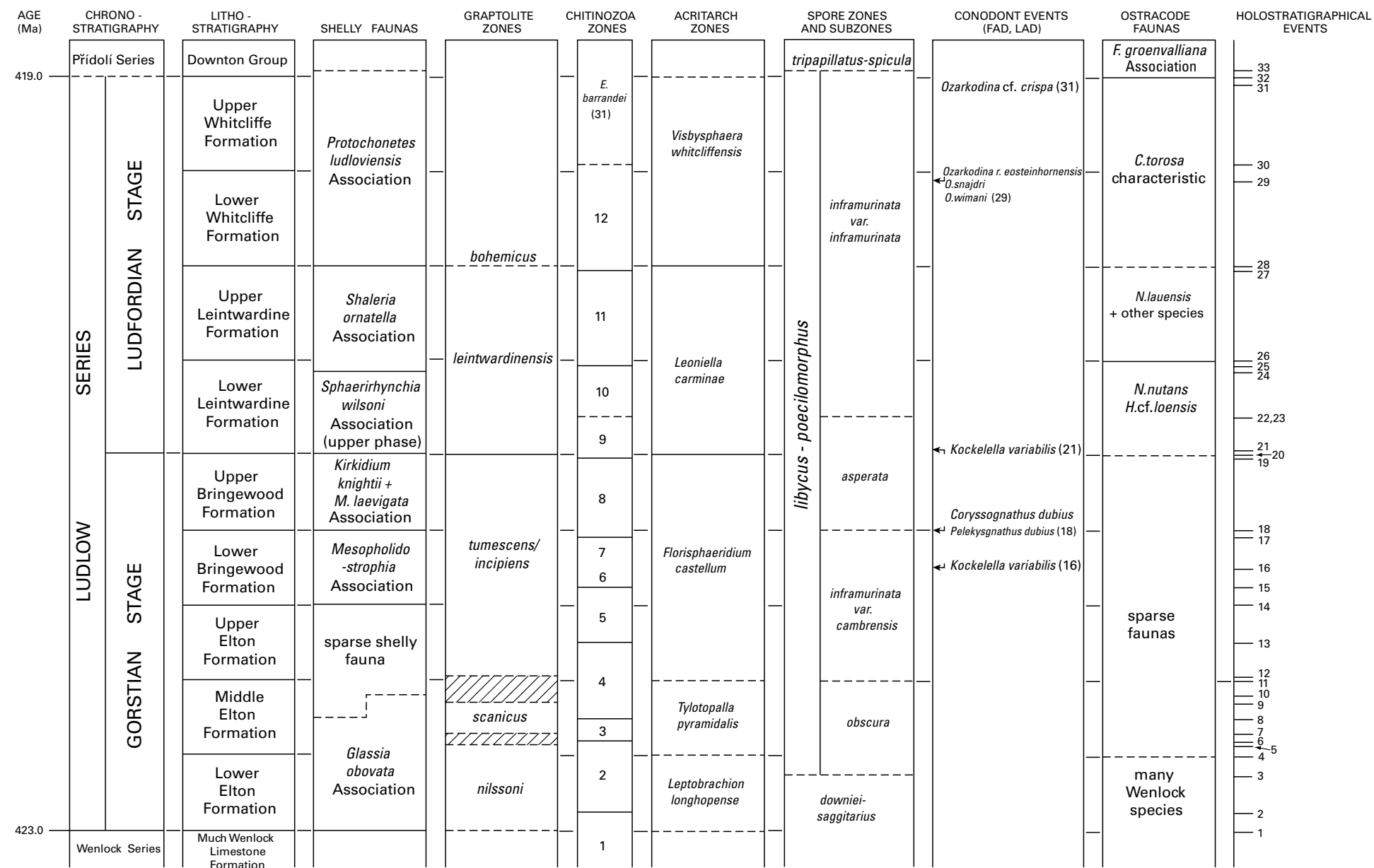
C1 – C31: locality numbers. Extensions to the right of the column indicate the position and stratigraphical extent of strata exposed at each locality.
B: bentonite

See: 'The type Ludlow Series: Sunnyhill Quarry and adjacent section' for information on lithostratigraphy, biostratigraphy and other aspects of stratigraphy.
'Ludlow Anticline' for the location of the section.

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(Author : SGM)

The type Ludlow Series: Holostratigraphical chart

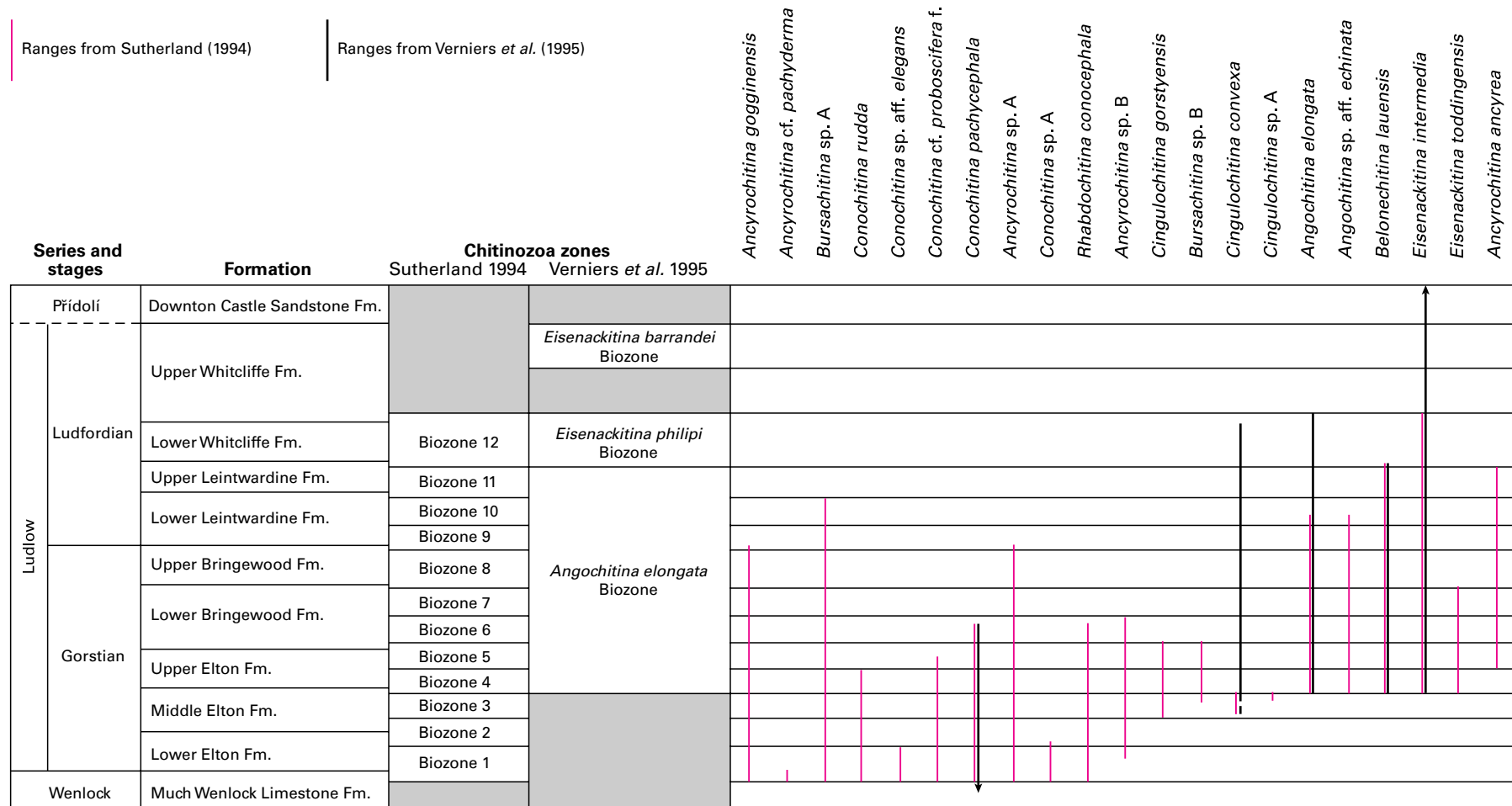


Select any event number for a comment on that event.

See: 'The type Ludlow Series: Holostratigraphy'.

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Distribution of chitinozoa in the Ludlow Series - 1



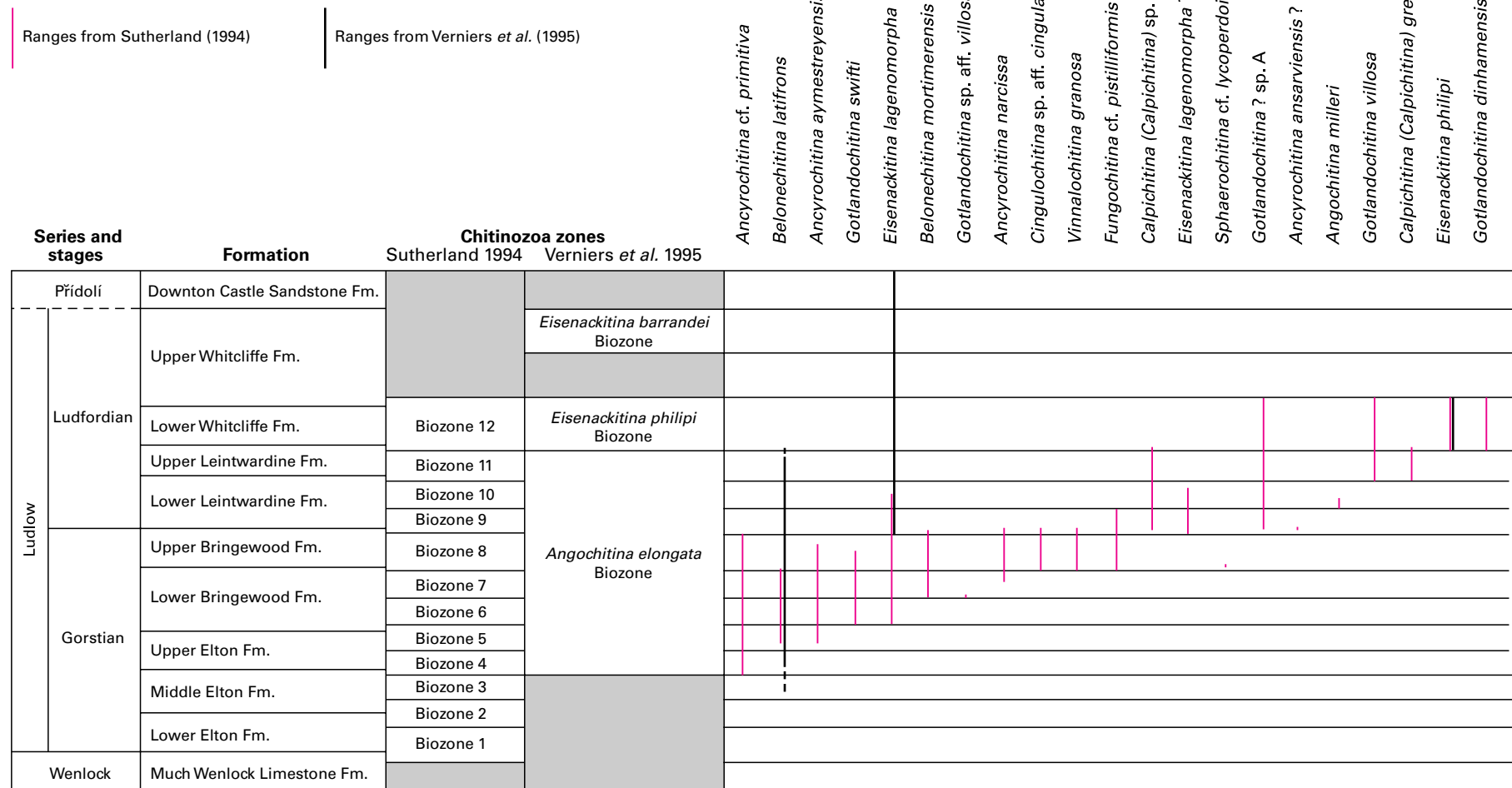
Ranges of chitinozoa in the type Ludlow Series (Biozones 1 - 12; Sutherland 1994) and global ranges depicted by Verniers *et al.* (1995).

References:

- Sutherland, S. J. E. 1994. Ludlow chitinozoans from the type area and adjacent regions. *Palaeontographical Society Monograph*. London, 1 - 104, pls 1 -18 (publ. No.594, part of vol. 148 for 1994).
- Verniers, J., Nestor, V., Paris, F., Dufka, P., Sutherland, S. & Van Grootel, G. 1995. A global Chitinozoa biozonation for the Silurian. *Geological Magazine*, **132**, 651 - 666.

See: The type Ludlow Series: Biostratigraphy - chitinozoa.

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Ranges of chitinozoa in the type Ludlow Series (Biozones 1 - 12; Sutherland 1994) and global ranges depicted by Verniers *et al.* (1995).

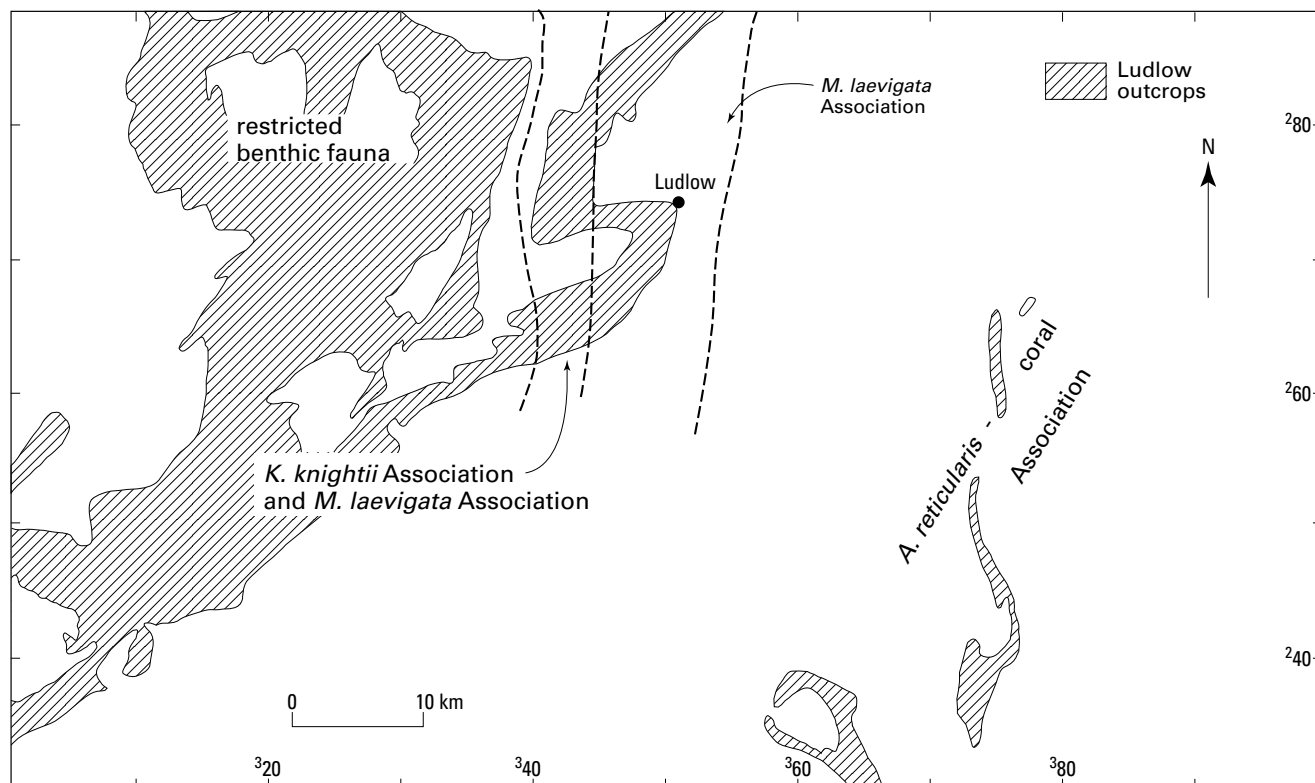
References:

- Sutherland, S. J. E. 1994. Ludlow chitinozoans from the type area and adjacent regions. *Palaeontographical Society Monograph*. London, 1 - 104, pls 1 -18 (publ. No.594, part of vol. 148 for 1994).
- Verniers, J., Nestor, V., Paris, F., Dufka, P., Sutherland, S. & Van Grootel, G. 1995. A global Chitinozoa biozonation for the Silurian. *Geological Magazine*, **132**, 651 - 666.

See: The type Ludlow Series: Biostratigraphy - chitinozoa.

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Distribution of upper Gorstian (lower Ludlow) shelly faunal associations in the Welsh Borderland.



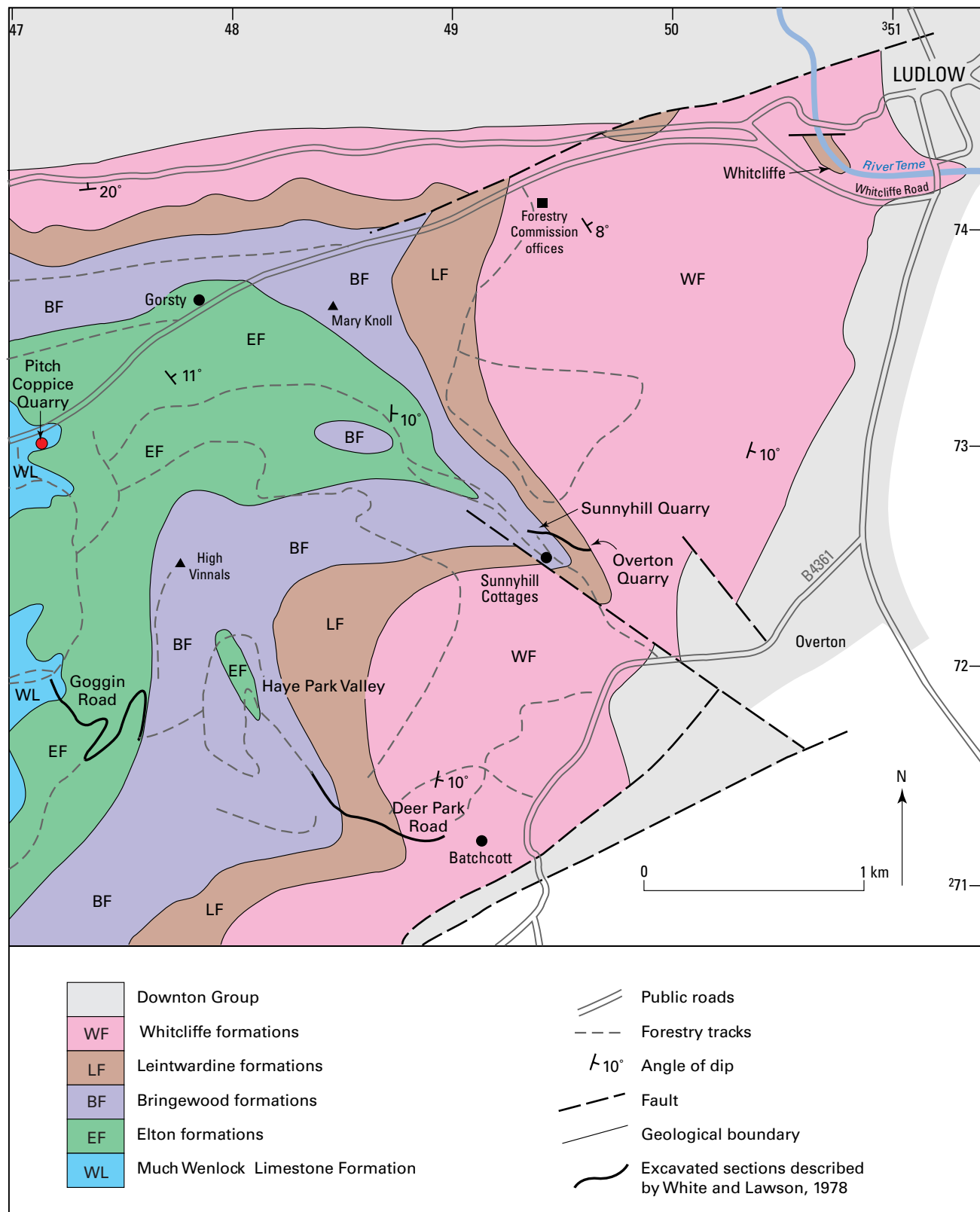
Source: Watkins, R. & Aithie, C.J. 1980. Carbonate shelf environments and faunal communities in the Upper Bringewood Beds of the British Silurian. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **29**, 341-368.

See: The type Ludlow Series: Biostratigraphy - shelly faunas.
 Stratigraphical relationships of shelly faunal associations.
 The succession of Ludlow shelly faunas.
Mesopholidostrophia laevigata Association - occurrence.
Atrypa reticularis - coral Association - occurrence.

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(Author : SGM)

The type Ludlow Series: Ludlow Anticline



Outcrops of Ludlow strata in the Ludlow Anticline, WSW of Ludlow, showing the locations of important sections.

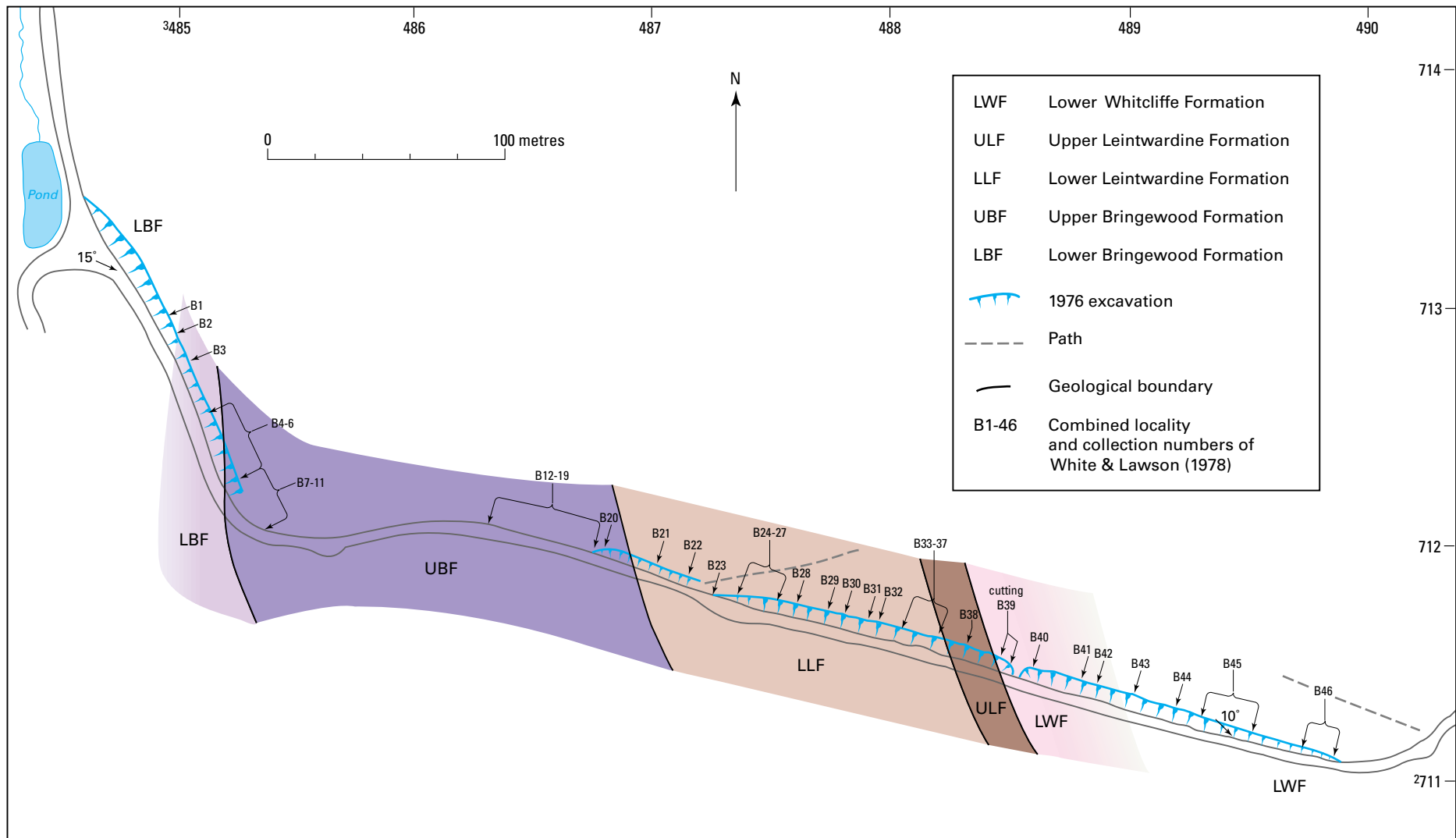
Source: Lawson, J.D. & White, D.E. 1989. The Ludlow Series in the Ludlow area. *In* Holland, C.H. & Bassett, M.G. (eds) *A global standard for the Silurian System*. National Museum of Wales, Geological Series No.9, Cardiff. 73-90.

See: Deer Park Road, Goggin Road, Pitch Coppice Quarry, Sunnyhill Quarry and adjacent section, The Whitcliffe, Whitcliffe Road, Lithostratigraphy.
See also 'Outcrop of the Ludlow Series in mid Wales and the Welsh Borderland' for the location of the Ludlow Anticline.

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(Author : SGM)

Deer Park Road - map



Map of the Deer Park Road section in the Ludlow type area, showing outcrops of formations and locality numbers.

Source: White, D.E. & Lawson, J.D. 1978. The stratigraphy of new sections in the Ludlow series of the type area, Ludlow, Salop, England. Report of the Institute of Geological Sciences, **No. 78/30**, 1-10.

See : 'The type Ludlow Series: Deer Park Road' for information regarding lithostratigraphy and biostratigraphy.
'Ludlow Anticline' for the location of the section.

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(Author : SGM)

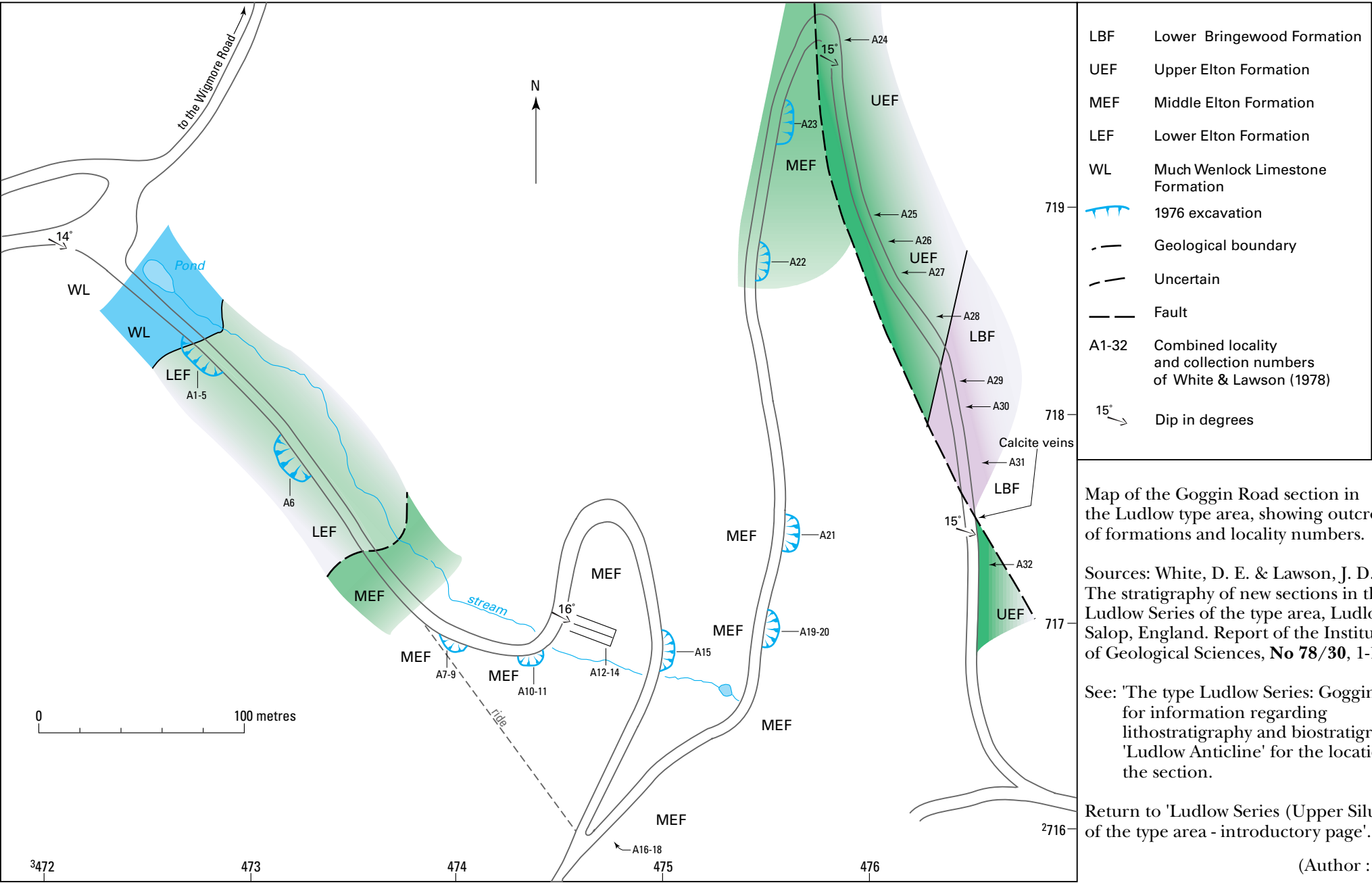
LUDFORDIAN STAGE



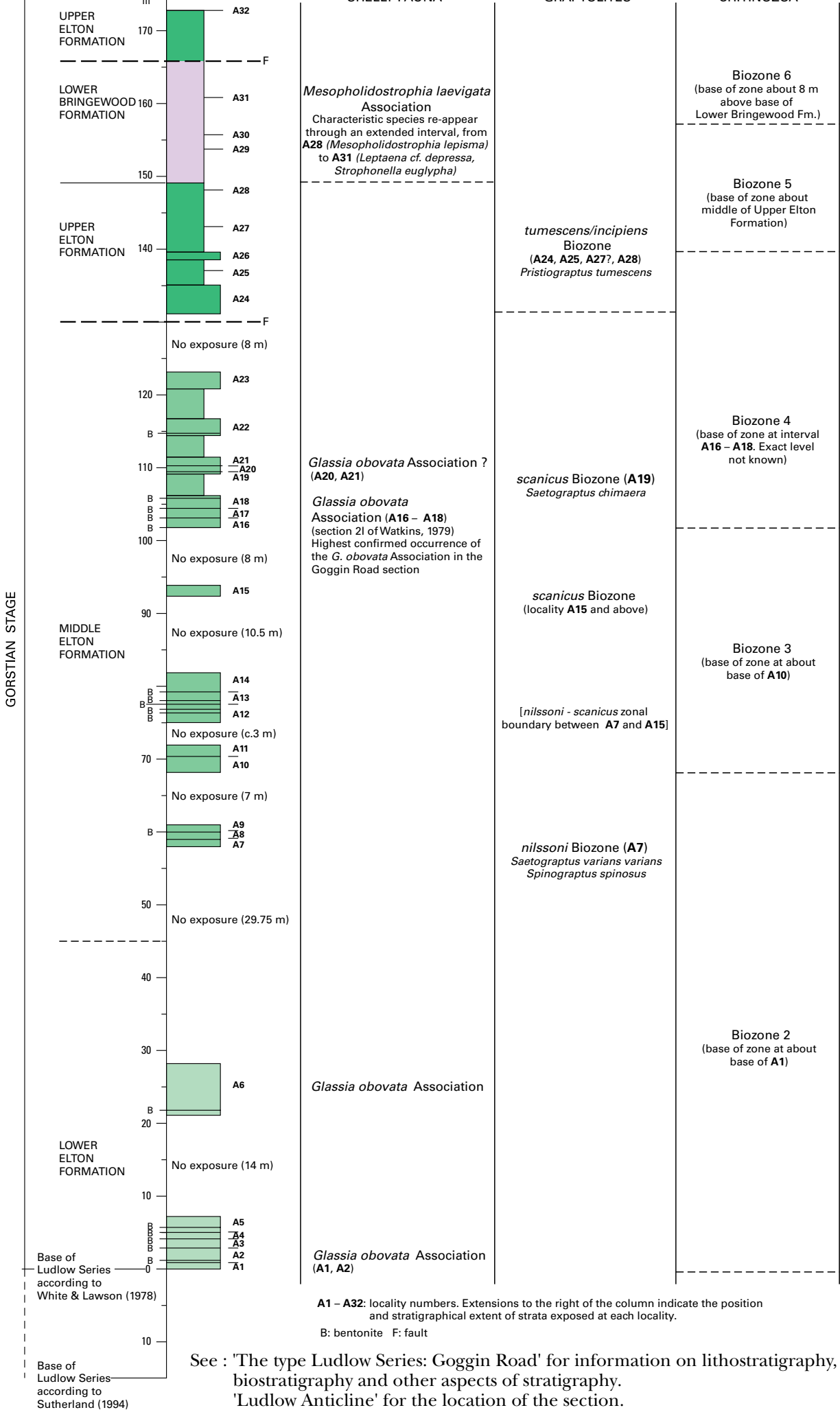
'Ludlow Anticline' for the location of the section.

(Author : SGM)

Goggin Road - map



Goggin Road – vertical section

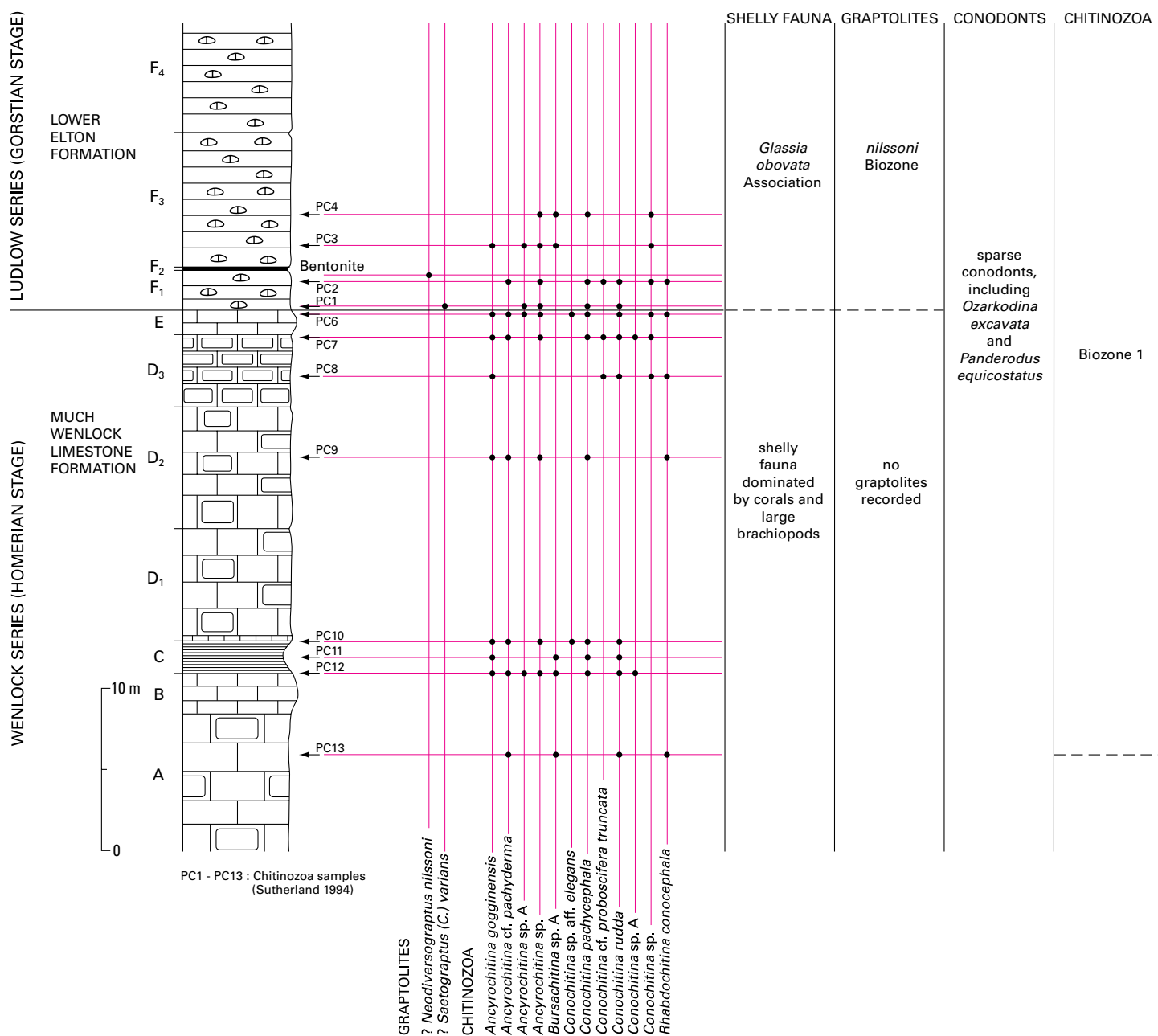


See : 'The type Ludlow Series: Goggin Road' for information on lithostratigraphy, biostratigraphy and other aspects of stratigraphy. 'Ludlow Anticline' for the location of the section.

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(Author : SGM)

Pitch Coppice Quarry – vertical section



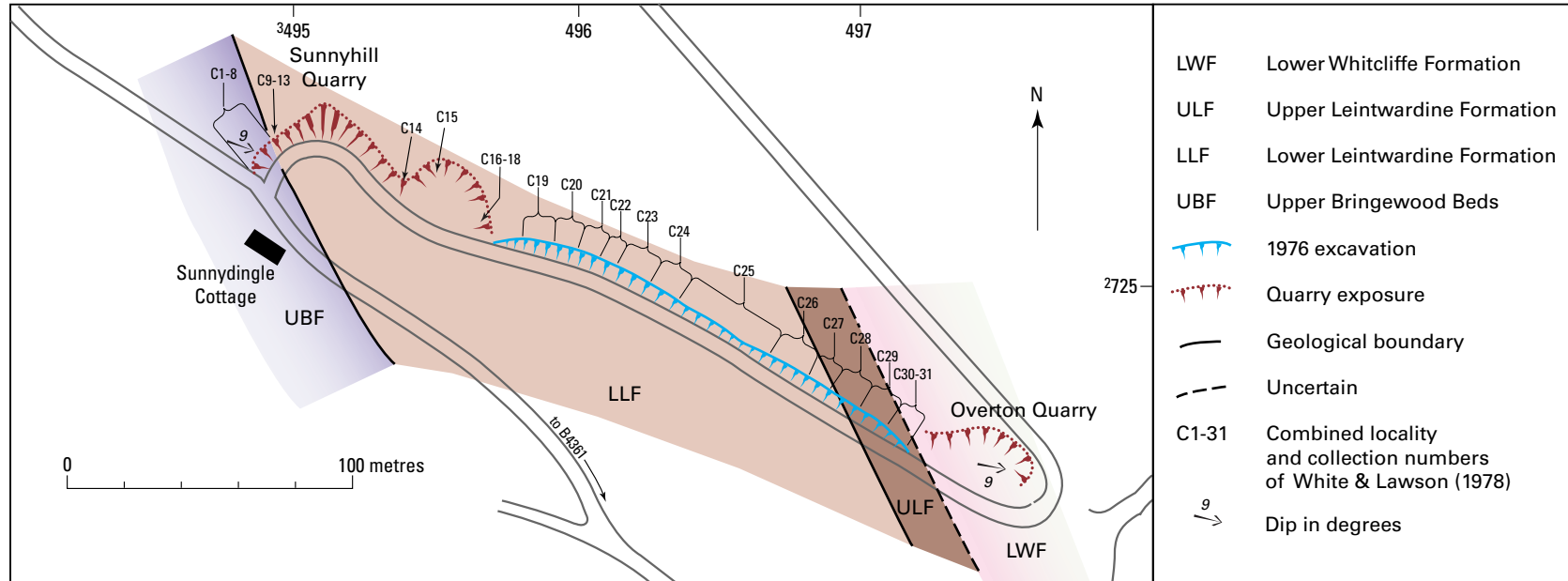
See: 'The type Ludlow Series: Pitch Coppice Quarry' for information on lithostratigraphy, biostratigraphy and other aspects of stratigraphy.

'Ludlow Anticline' for the location of the section.

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(Author : SGM)

Sunnyhill - map



Map of the section between Sunnyhill Quarry and Overton Quarry in the Ludlow type area, showing outcrops of formations and locality numbers.

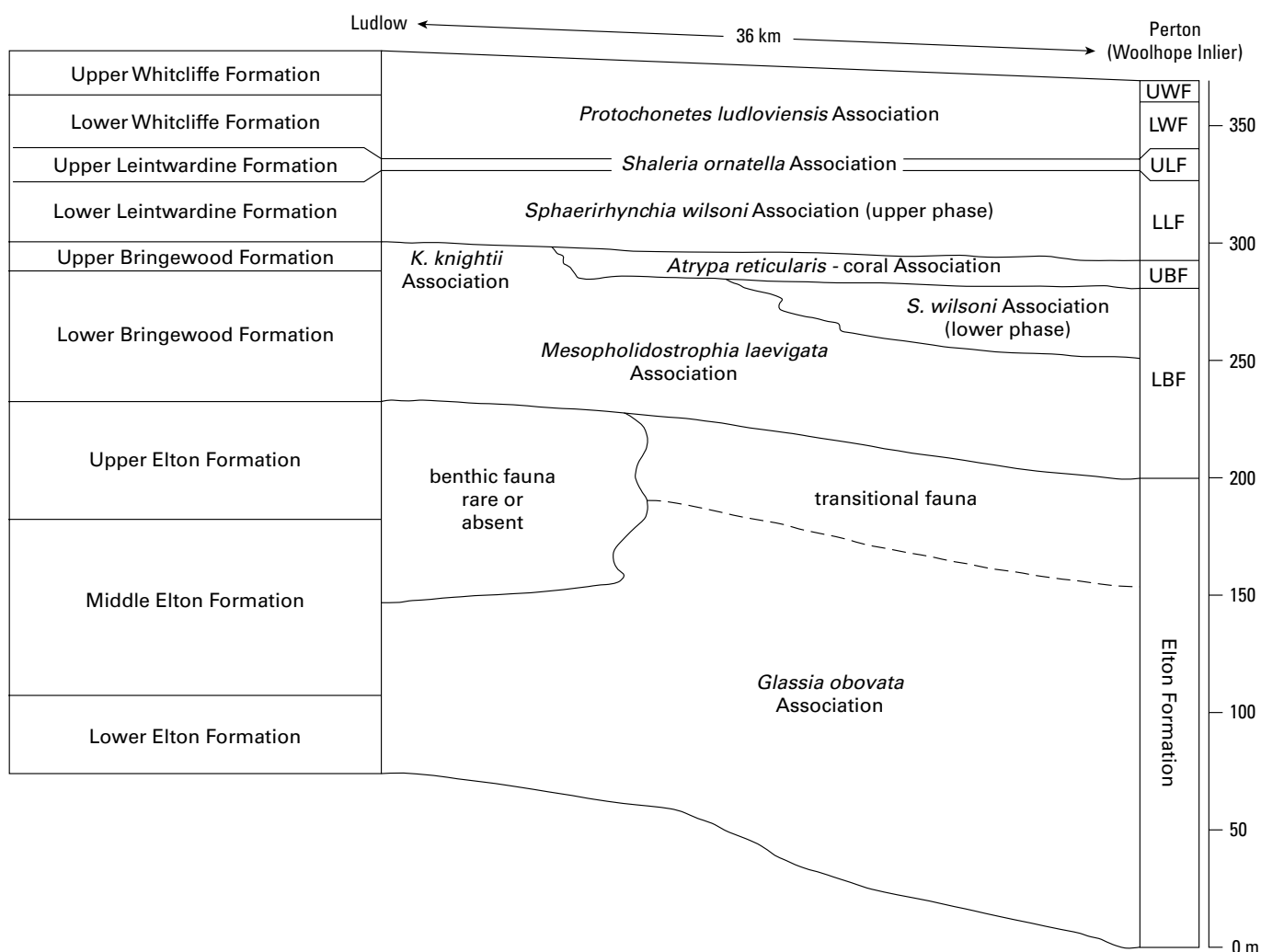
Source: White, D.E. & Lawson, J.D. 1978. The stratigraphy of new sections in the Ludlow series of the type area, Ludlow, Salop, England. Report of the Institute of Geological Sciences, **No. 78/30**, 1-10.

See: 'The type Ludlow Series: Sunnyhill Quarry and adjacent section' for information regarding lithostratigraphy and biostratigraphy. 'Ludlow Anticline' for the location of the section.

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(Author : SGM)

Stratigraphical relationships of shelly faunal associations in the Ludlow Series of the Welsh Borderland



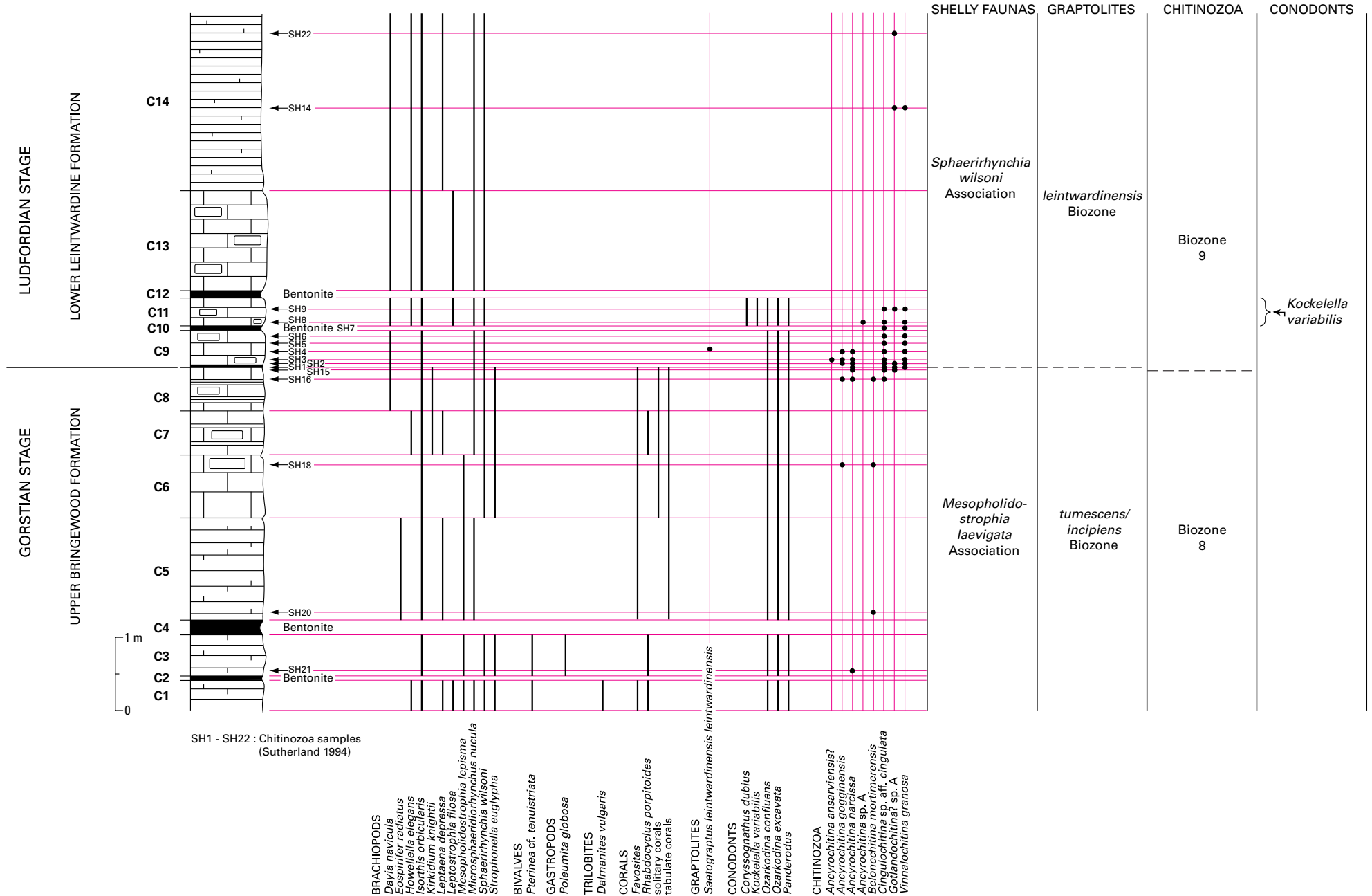
Source: Watkins, R. 1979. Benthic community organization in the Ludlow Series of the Welsh Borderland. *Bulletin of the British Museum (Natural History)*, Geology, **31**, 175-280.

See: The type Ludlow Series: Biostratigraphy - shelly faunas.
The succession of Ludlow shelly faunas.
Synchronicity of Ludlow shelly faunas.

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(Author : SGM)

Sunnyhill Quarry - profile

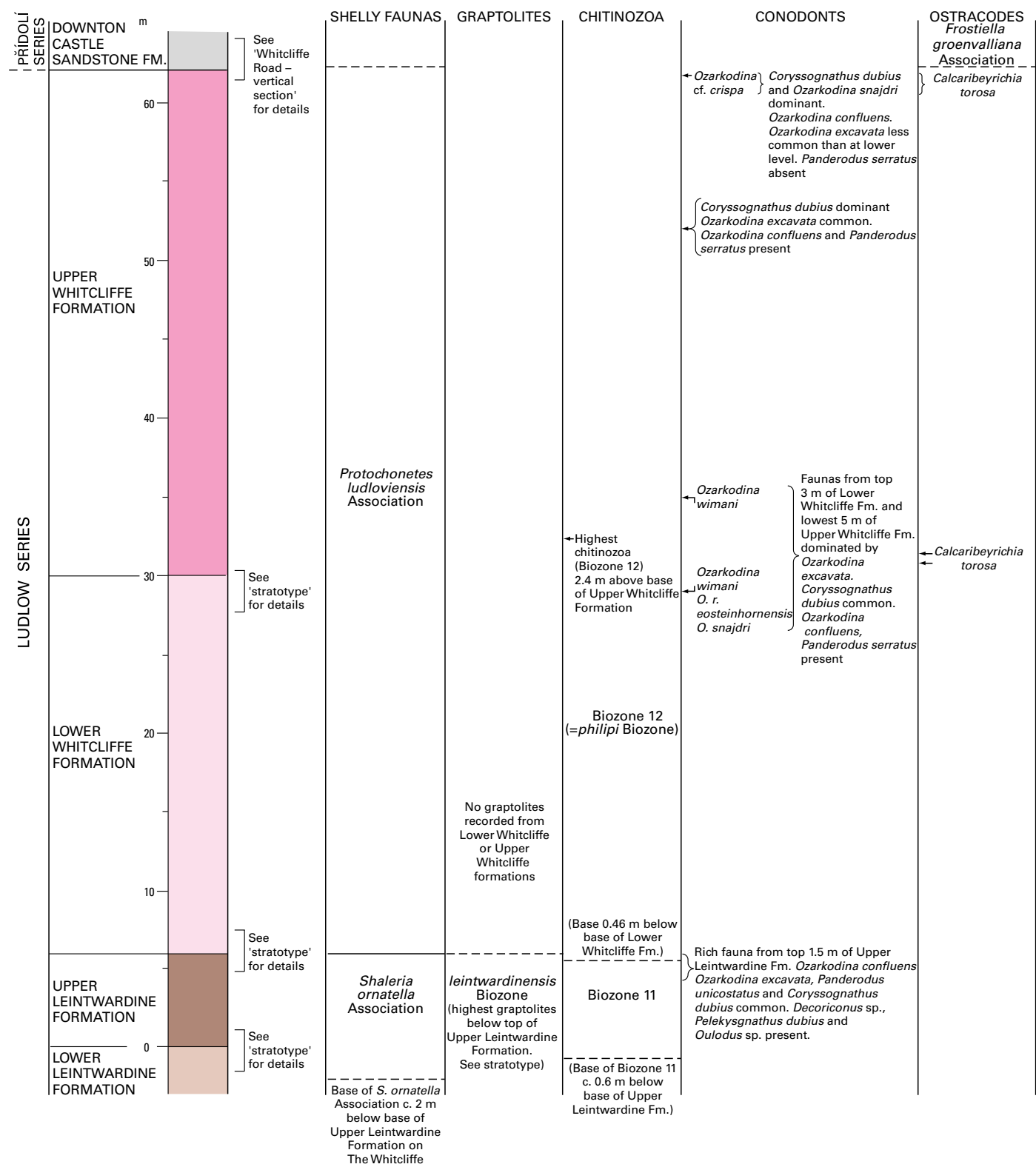


See: 'The type Ludlow Series: Sunnyhill Quarry and adjacent section' for further information.

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(Author : SGM)

The Whitcliffe – vertical section

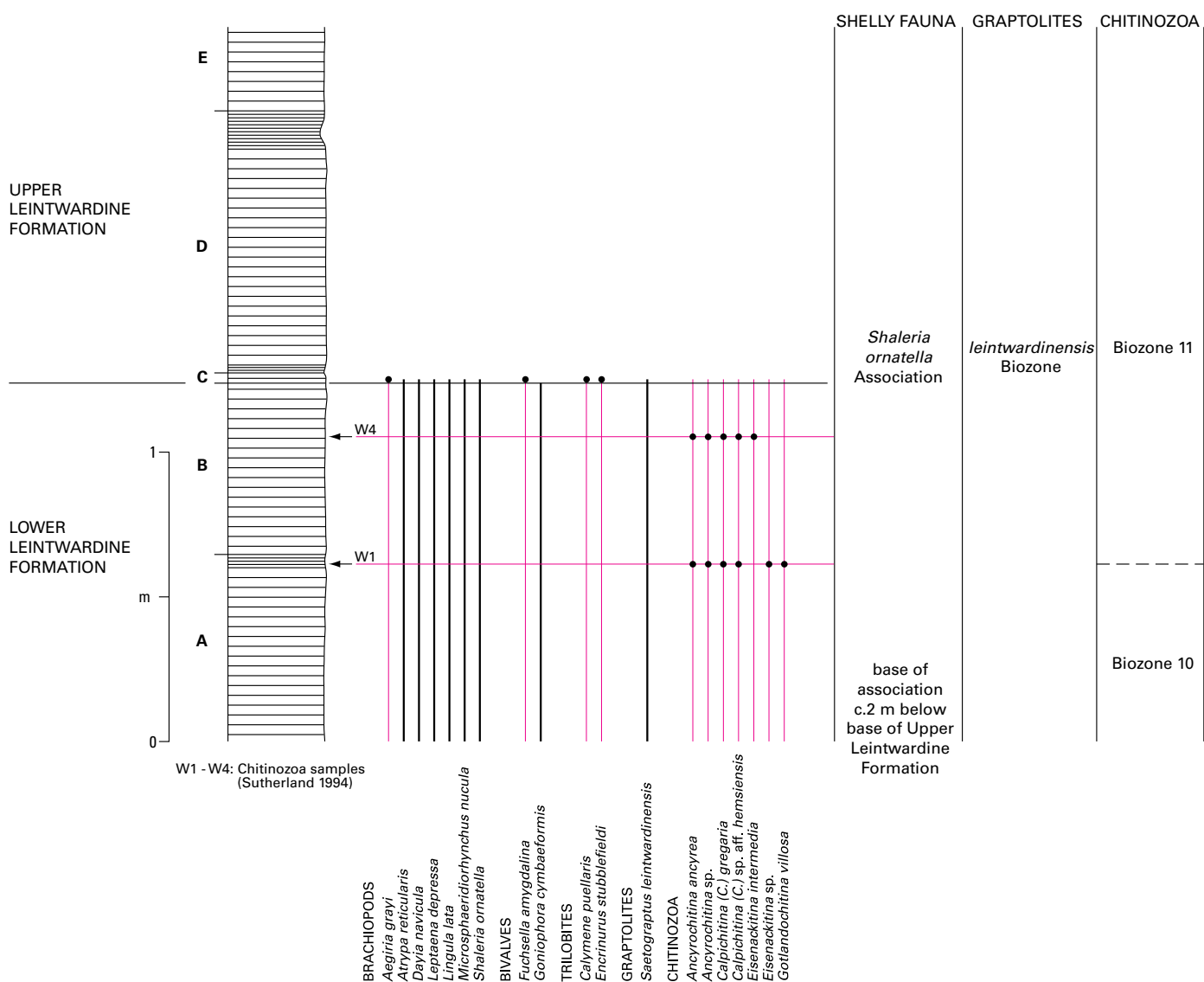


See : 'The type Ludlow Series: The Whitcliffe' for information on lithostratigraphy, biostratigraphy and other aspects of stratigraphy.
'Ludlow Anticline' for the location of the section.
See also 'The type Ludlow Series: Whitcliffe Road'.

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(Author : SGM)

Stratotype for the base of the Upper Leintwardine Formation



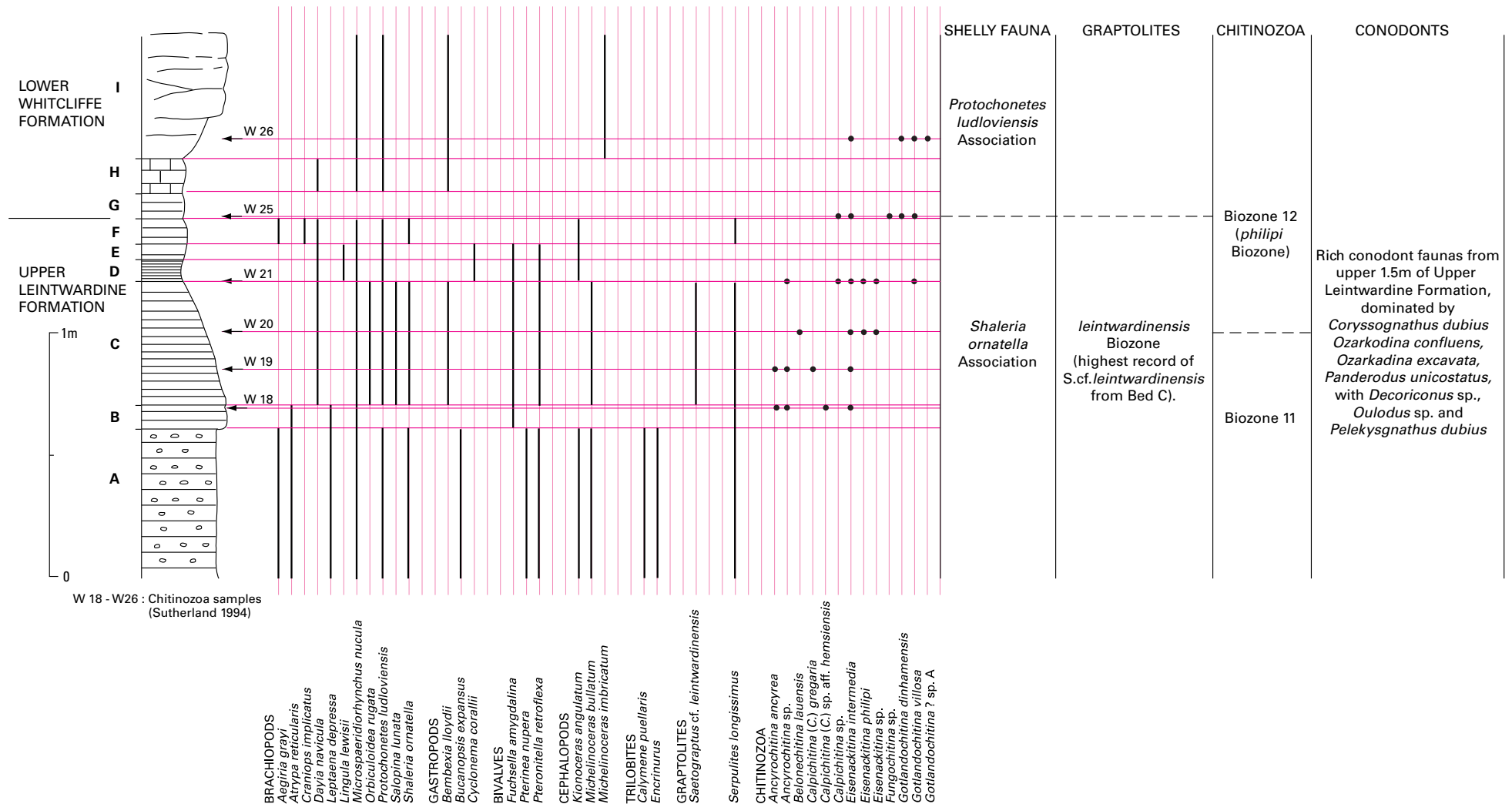
Faunal data from Holland *et al.* (1963) and Sutherland (1994).

See: 'The type Ludlow Series: The Whitcliffe' for information on lithostratigraphy, biostratigraphy and for references.
'The Whitcliffe-map' for the location of the section.

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(Author : SGM)

Stratotype for the base of the Lower Whitcliffe Formation



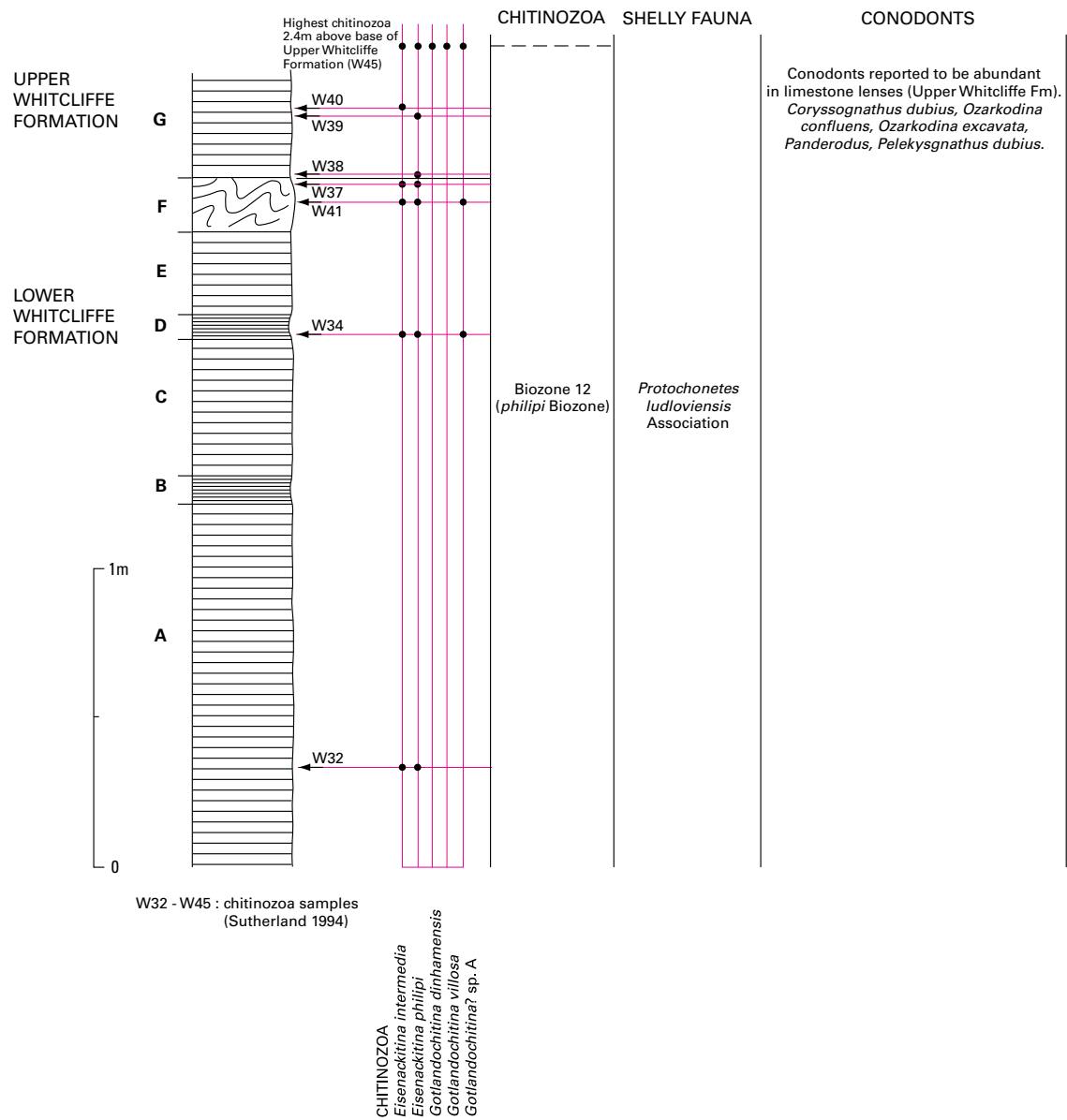
Faunal data from Holland et al. (1963) and Sutherland (1994)

See: 'The type Ludlow Series: The Whitcliffe' for information on lithostratigraphy, biostratigraphy and references.
'The Whitcliffe - map' for the location of the section.

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(Author : SGM)

Stratotype for the base of the Upper Whitcliffe Formation

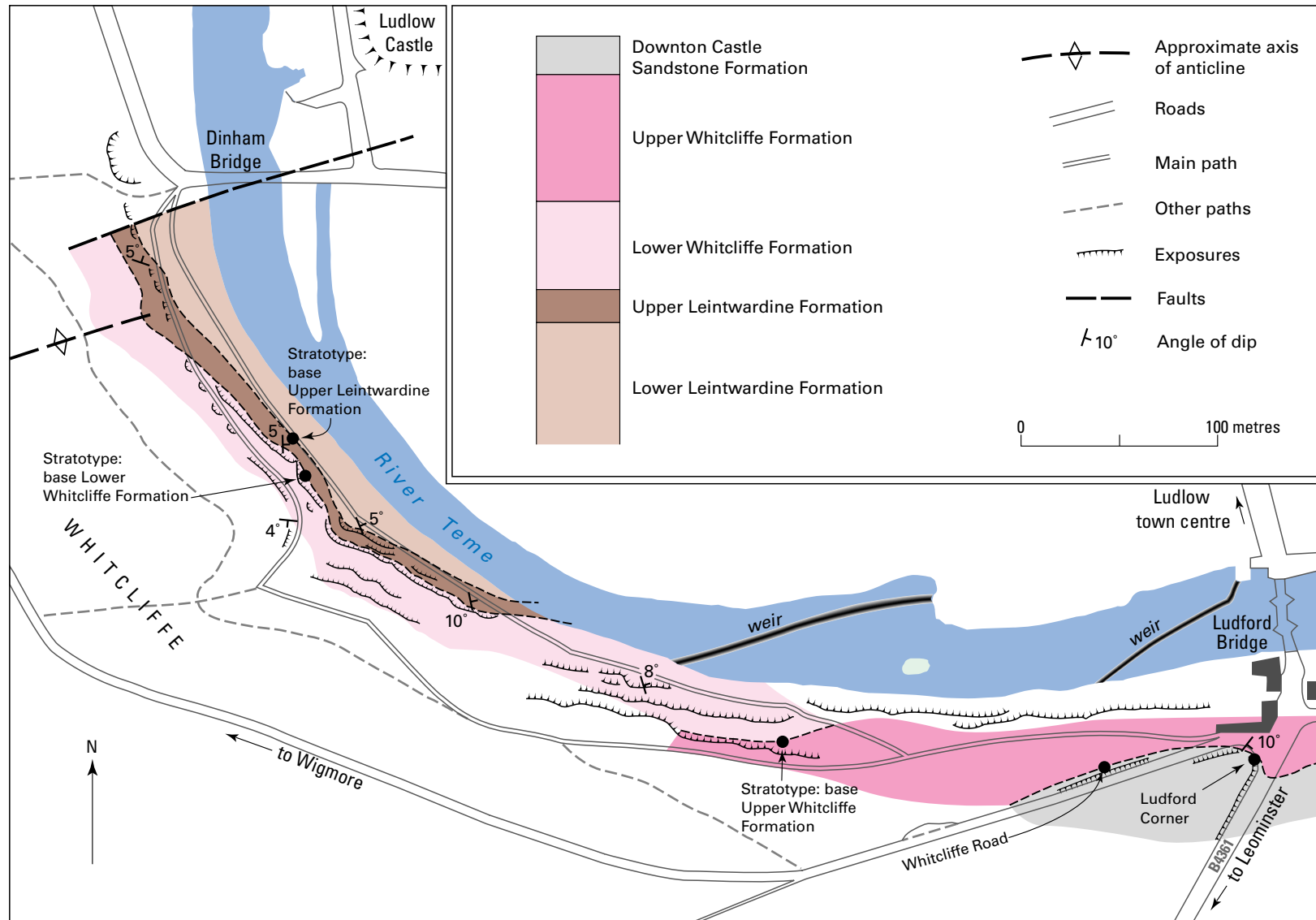


Faunal data from Sutherland (1994)

See: 'The type Ludlow Series: The Whitcliffe' for information on lithostratigraphy, biostratigraphy and references.
'The Whitcliffe - map' for the location of the section.

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The Whitcliffe and Whitcliffe Road - map



Map of The Whitcliffe and Whitcliffe Road sections, Ludlow.

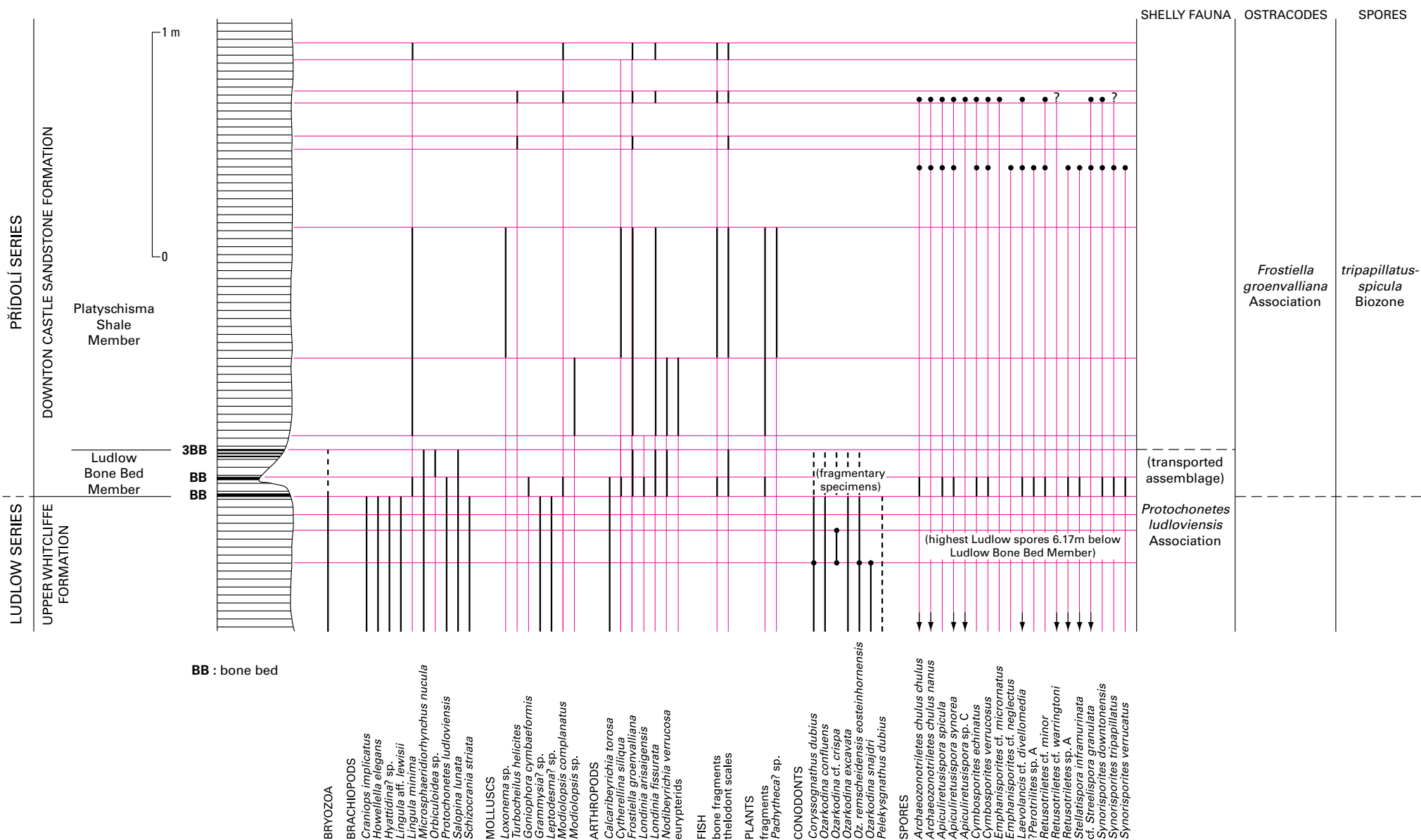
Source: Siveter, D. J., Owens, R.M. & Thomas, A.T. 1989. *Silurian field excursions: a geotraverse across Wales and the Welsh Borderland*. National Museum of Wales, Geological Series No.10, Cardiff. 133pp.

See : 'The type Ludlow Series: The Whitcliffe'. 'The type Ludlow Series: Whitcliffe Road, Ludlow'. 'Ludlow Anticline' for the location of the sections.

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(Author : SGM)

Whitcliffe Road-vertical section and fossil ranges across the Ludlow-Přídolí boundary



See: 'The type Ludlow Series: Whitcliffe Road, Ludlow' for information on lithostratigraphy, biostratigraphy and other aspects of stratigraphy, including sources of information.

'Ludlow Anticline' for the location of the section.

'The type Ludlow Series: The Whitcliffe-map, vertical section'.

(Author : SGM)

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