

**BRITISH GEOLOGICAL SURVEY**

**Natural Environment Research Council**

**TECHNICAL REPORT**

**Stratigraphy Series**

**REPORT WH/94/220R**

**AN AMMONITE OCCURRENCE IN  
THE MIDDLE INFERIOR OOLITE  
OF 1: 10 000 SHEET SP 11 NW**

**B M Cox**

**Biostratigraphy & Sedimentology Group**

**Geographical Index**

1: 50 000 235 (Cirencester)

**Subject Index**

Jurassic

Aalenian, Bajocian

Macropalaeontology

Lithostratigraphy, Biostratigraphy,  
Chronostratigraphy

**Keyworth, Nottinghamshire British Geological Survey**

1. I Basham (f.a.o. M G Sumbler)
- ② B Owens
3. Biostrat. & Sedimentology  
Group files

---

**CIRENCESTER SHEET (235)**

**AN AMMONITE OCCURRENCE IN THE MIDDLE INFERIOR OOLITE OF  
1: 10 000 SHEET SP 11 NW**

---

This report details a single ammonite fragment collected from field brash of the Middle Inferior Oolite by M G Sumbler during the recent survey of 1: 10 000 Sheet SP 11 NW.

---

670 m west-north-west of Sweetslade Farm, Cold Aston,  
Gloucestershire  
NGR SP 1348 1840

Specimen no. MGS2363

The ammonite fragment has been identified by Prof. J H Callomon (London) and Dr G Dietl (Stuttgart) as a late form of the genus *Graphoceras*. This genus is known to range through two ammonite-based zones - the Aalenian Concavum Zone and Lower Bajocian Discites Zone (Parsons 1976). A late form will therefore indicate the Discites Zone which, in the Cotswold succession, is believed to be represented by the Lower Trigonina Grit and, locally, the basal part of the overlying Gryphite/Buckmani Grit. Of these two units, *Graphoceras* has only previously been recorded from the Lower Trigonina Grit; the associated presence in the field brash of fragments of the coral *Thecosmilia* (reported but not collected by MGS) is supportive evidence for that unit.

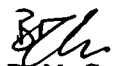
Horizon: Middle Inferior Oolite, Lower Trigonina Grit  
Lower Bajocian, Discites Zone

---

**REFERENCES**

PARSONS, C F 1976. Ammonite evidence for dating some Inferior Oolite sections in the north Cotswolds. *Proceedings of the Geologists' Association*, 87, 45-63.

---

  
B M Cox  
5th September 1994