CITATION SHEET

County: Avon **Site Name:** Bourne

District: Woodspring

Status: Site of Special Scientific Interest (SSSI) notified under Section 28 of the Wildlife and Countryside Act 1981 (as amended)

Local Planning Authority: Avon County Council – Woodspring District Council

National Grid Reference: ST 484600 **Area:** 8.47 (ha) 20.93 (ac)

Ordnance Survey Sheet: 1:50,000: 172 1:10,000 : ST 45 NE ST 46 SE

Date Notified: (under 1949 Act): **Date of Last Revision:**

Date Notified: (under 1981 Act): 1992 **Date of Last Revision:**

Other Information:

A Geological Conservation Review Site.

Description and Reasons for Notification:

Temporary sections at this site have provided detailed information upon the composition of a north Mendip Pleistocene alluvial fan. These temporary sections have shown highly weathered gravels overlain by sandy silts and clay loams, the highest levels in the sequence showing evidence of cryoturbation. Two phases of fan sediment deposition (thought to have taken place during Pleistocene cold/glacial-stages) were separated by a long period of subaerial weathering, which may represent an interglacial period. A considerable period of Pleistocene time is thus represented by the sequence at Bourne. This is the only site where such a sequence can be demonstrated in fan-gravel facies, and such is of considerable importance.