Natural Environment Research Council

BRITISH GEOLOGICAL SURVEY

TECHNICAL REPORT WA/88/51

Sheet SP 38 SE

COVENTRY NORTH-EAST

Part of 1:50 000 Sheet 169 (Coventry)

D Mc C Bridge

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Geological notes and local details

for 1:10 000 sheets: SP38SE (Coventry North-East)

(Keyworth : British Geological Survey)

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CONTENTS

SUMMARY

The geology of Sheet SP38SE (Coventry North-East) is described with particular emphasis on significant borehole and shaft sections.

New information on the Cambrian basement is presented, and the stratigraphy of the concealed coalfield (Westphalian A to D), and of the succeeding Triassic rocks is reviewed.

Details are given of the glacial drift and later Quaternary deposits.

Attention is drawn to the mineral resources of the area with particular reference to coal, ironstone and brick clay. A schedule of boreholes is appended.

INTRODUCTION

This report describes the geology of 1:10 000 Sheet SP38SE (Coventry North-East), (Figure 1). The area was first surveyed geologically on the one-inch scale by H H Howell and was included in Old Series One-Inch Sheets 53 and 63, published in 1855. A survey at the six-inch scale was carried out by T Eastwood in 1914 and is included in Sheet 169 (Coventry), published in 1922. The accompanying explanatory memoir (Eastwood and others, 1923) provides useful information on the local geology.

The whole area was resurveyed on the 1:10 000 scale by D Mc C Bridge in 1987 under a research contract partly funded by the Department of the Environment. This report is one in a series covering Coventry and its environs; a more general account of the geology of the region is currently being prepared (Old, Bridge and Rees, in prep.). Palaeontological contributions to this report are by Dr A W A Rushton.

Copies of this report and uncoloured dyeline copies of the 1:10 000 maps may be purchased from the British Geological Survey, Keyworth.

Parallel reports covering adjoining 1:10 000 sheets are:

SP37NE	Coventry South-East	(Sumbler, 1985)
SP38SW	Coventry North	(Old, in prep.)

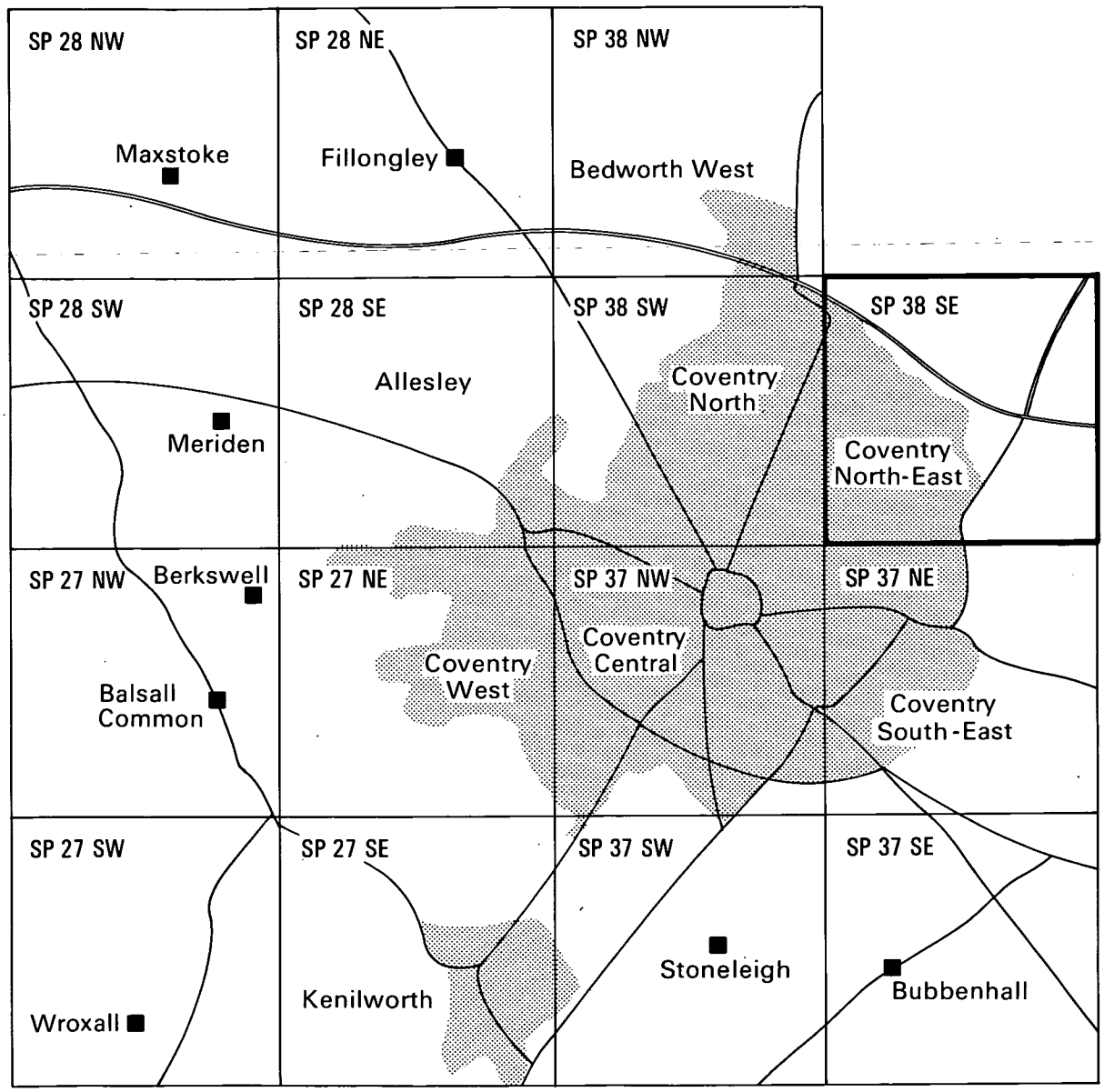


Figure 1. Area of this report relative to area of whole contract is shown with bold outline

GEOLOGICAL SEQUENCE

Beds down to the Halesowen Formation are represented at outcrop or beneath drift. Lower beds are known from colliery workings and boreholes.

Quaternary	Peat	
	Alluvium	
	River Terrace Deposits (1 to 4)	
	Oadby Till	)
	Wolston Sand and Gravel	)
	Wolston Clay	) Glacial Deposits
	Till (undivided)	)
	Baginton Sand and Gravel	)
	Sand and Gravel (undivided)	)
Triassic	Mercia Mudstone Group	Undivided red mudstone
	Sherwood Sandstone Group	Bromsgrove Sandstone
Carboniferous		
Westphalian D	Enville Group	Coventry Sandstone Formation
		Keele Formation
		Halesowen Formation
Westphalian C		Etruria Marl Formation
Westphalian A, B and C		Productive Coal Measures
Cambrian		Merevale Shales

Cambrian

The pre-Carboniferous rocks beneath the area are of Cambrian age, and form part of the Stockingford Shale Group which is divided as follows:

Merevale Shales	Tremadoc Series
Monks Park Shales)	
Moor Wood Flags and Shales)	Merioneth Series
Outwoods Shales)	

Only two boreholes encountered Cambrian basement in the area covered by this report; one at Clifford Bridge [3761 8079], the other at Sowe Common [3750 8310]. In the Clifford Bridge Borehole 0.6m of red-stained slightly micaceous shale were proved beneath 34.4m of Trias. The lowest beds have yielded a sparse inarticulate brachiopod fauna, including two acrotretids, suggesting a stratigraphical level within the Merevale Shales. The faunal evidence is consistent with published results (Old and others, 1987, p.4), which indicate a basement of lower Tremadoc rocks in the subcrop to the north-east of the city.

The Sowe Common Borehole provided no samples and only an outline lithological log which has been re-interpreted as follows:

		m
Drift	to	8.5
Trias	to	33.0
(?)Cambrian - Hard grey black shale, red stained to 45m, with thin bands of grey sandstone	to	88.0
Cambrian - Hard 'granitic' rock with pyrite	to	100.0

The shale sequence from 33 to 88m is provisionally assigned to the Cambrian rather than the Carboniferous, as originally reported. The revised classification is based on information from Wyken Colliery which suggests that the base of the Coal Measures lies to the west of the borehole site. The 'granitic' rock encountered towards the base of the borehole may be a pre-Carboniferous lamprophyre, similar in type to the numerous sills which intrude the Stockingford Shales in the Nuneaton area.

Upper Carboniferous (Westphalian A to D)

On the eastern limb of the Warwickshire Coalfield syncline, Upper Carboniferous (Westphalian) rocks rest directly on Cambrian basement. The Productive Coal Measures and Etruria Marl, concealed beneath Triassic cover, are known only from old borehole records and colliery workings; younger strata, from just above the base of the Halesowen Formation, underlie thin drift deposits in the west of the area.

The sequence consists mainly of mudstones, siltstones, sandstones and seatearths, and is coal-bearing in its lower part. The Productive Coal Measures and Halesowen Formation are formed of grey-coloured rocks, which contrast with the variegated grey, green and red-brown sediments of the Etruria Marl. Red measures characterise both the Keele Formation and Coventry Sandstone, with mudstones predominating in the former and sandstones in the latter. Due to a paucity of marine and non-marine fauna, particularly in the upper part of the Westphalian, a chronostratigraphic subdivision of the sequence is impractical, and the ages of the younger formations can only be estimated.

Productive Coal Measures (Westphalian A, B and ? C)

The Productive Coal Measures include all the Westphalian strata below the Etruria Marl. The boundary between Westphalian A and B is taken immediately above the Seven Feet Coal, the position where the Vanderbeckei (Seven Feet) Marine Band occurs in the northern part of the coalfield. The B/C boundary cannot be identified because the Aegiranum (Nuneaton) Marine Band, on which it is defined, has not been recorded in any of the shaft or borehole sections in the area. The nearest recorded occurrence is in the Binley Colliery workings on adjoining sheet SP37NE, where it lies at least 14m above the Four Feet Coal (Mitchell, 1942; Sumbler, 1985).

Measures below the Thick Coal are estimated to be between 65 and 70m thick, though no single shaft or borehole has penetrated their full thickness. The beds consist of grey mudstone, siltstone, seatearth and sandstone with thin coals and ironstones at several levels (Figure 2).

The shaft section at Hawkesbury Hall No.2 Ironstone Pit [3653 8469] records ten seams of coal in 61m of measures below the Thick Coal. The lowest named seam, the Yard, is represented by 1.98m of coal, at a depth of 152.2m.

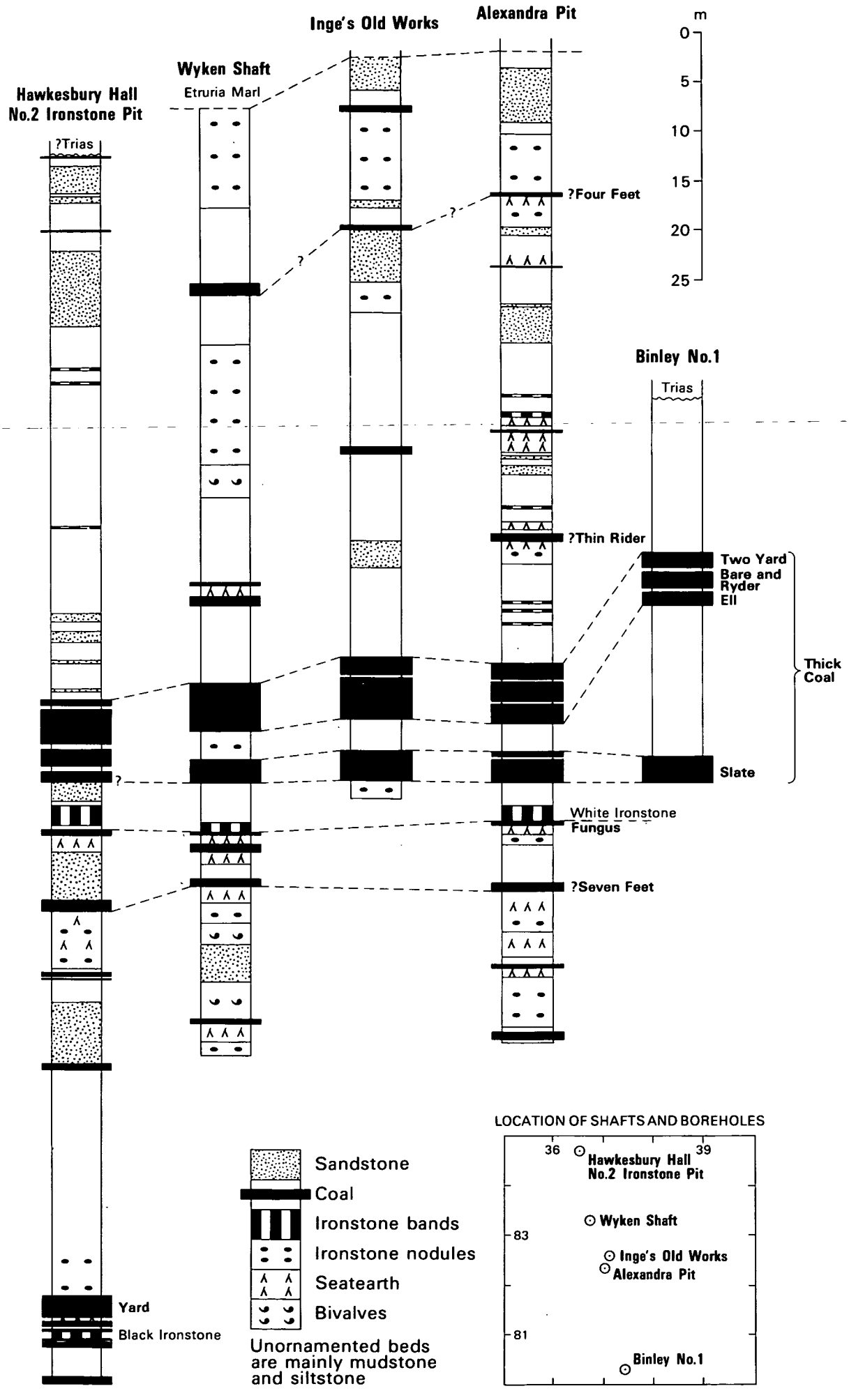


Figure 2. Comparative sections of the Productive Coal Measures.

The Seven Feet is the lowest seam that can be correlated southwards from the Hawkesbury workings, into Wyken Colliery. It varies in thickness from 0.6 to 1.37m and occupies a position about 10m below the base of the Thick Coal. The coals between the Yard and Seven Feet tend to be thin and impersistent.
Lying above the Seven Feet, but separated from it by up to 6.6m of fireclay and mudstone, is a thin seam (0.2m at Wyken) known locally as the Fungus. It is regarded as the equivalent of the Smithy of the more northerly parts of the coalfield (Mitchell, 1942).

Ironstones occur irregularly throughout the sequence, chiefly as nodules, but more rarely in bands a few centimetres thick. The nodules vary in size but are commonly from 0.1 to 0.2m in diameter (Strahan and others, 1920). During the nineteenth century ironstone was produced at Grove Colliery [365 847] and at Wyken Colliery [367 833] from measures immediately below the Yard Coal (Black Ironstone) and from beds overlying the Fungus Coal (White Ironstone). The White Ironstone is the best known ironstone of the coalfield, and at Wyken consisted of nodules and thin bands extending over an interval of 1.4m.

Reserves of the Thick Coal, the only seam to have been worked, are now virtually exhausted, and the seam has supported no active mining from collieries within the area since about 1938 when the Hawkesbury and Victoria pits closed. In the north the seam is composed of five leaves totalling up to 8.5m, which are either in contact or separated by no more than dirt parting. In ascending order they are the Nine Feet (Slate), Ell, Ryder, Bare and Two Yard. When traced southwards from Hawkesbury, the Thick Coal splits; the dirt partings between the upper leaves thicken and the Nine Feet becomes separated from the Ell. The interval between the two lower leaves, which is 0.3m at Hawkesbury, increases from 3.7 to 13.7m through the Wyken workings, and reaches 15.5m in the Binley No.1 borehole [3745 8031].

The Thick Coal is not affected greatly by faulting, but the continuity of the seams is disrupted by washouts, the largest of which is some 350m across and can be traced south-eastwards through the Hawkesbury workings until it breaks up just to the north of Wyken Colliery.

The beds between the Thick Coal and the base of the Etruria Marl are from 50 to 60m thick, predominantly of grey mudstone and seatearth with an increasing proportion of sandstone towards the top (Figure 2). Several thin coals occur but are difficult to correlate; two more persistent seams, lying at 12.4 and

47.3m above the Thick Coal in the Alexandra Pit, are taken to be the Thin Rider and Four Feet, respectively.

Etruria Marl Formation (Westphalian C)

A sequence of mudstones, siltstones and sandstones, mainly greyish in colour but also variegated red, brown and yellow, occurs between the Productive Coal Measures and the overlying Halesowen Formation. The sequence lies beneath Triassic strata and the full thickness has been penetrated only in the Wyken Shaft [3667 8334] and Longford Borehole [3624 8425] (Figure 3). The boundaries of the formation are rather indefinite but the base is taken at the lowest occurrence of red beds, and the top at the incoming of grey sandstones of the Halesowen Formation. As thus defined, the thickness of the formation varies from 48m to 63m, and its base is diachronous. Conglomeratic "espley" rocks, which characterise the Etruria Marl farther north, have not been recorded.

Halesowen Formation (Wesphalian D).

The Halesowen Formation comprises an estimated 115m of grey sandstone with subordinate mudstone, seatearth and rare thin coals. Throughout the Warwickshire Coalfield there is an unconformity at the base of the formation (Mitchell, 1942; Old and others, 1987) but its presence cannot be demonstrated in the present area. The base of the formation is a convenient, though arbitrary, position for the base of Westphalian D.

Sandstones predominate in the lower part of the sequence (Figure 3); they are associated locally with thin, impersistent coals. A single 0.6m seam recorded in the Wyken Shaft about 6m above the base may be correlated with the Milton Coal which is developed widely in the area to the south. A bed of Spirorbis limestone, recorded in the Exhall Colliery Shaft to the north of Hawkesbury, forms a useful marker horizon at about 34m below the top of the formation. Its conjectural position, calculated from mining information, is shown on the accompanying 1:10 000 map. The outcrop of the Halesowen Formation is drift-covered and no exposures have been recorded.

Keele Formation

The Keele Formation mainly comprises an argillaceous sequence of red mudstones, with subordinate sandstones and rare thin beds of Spirorbis

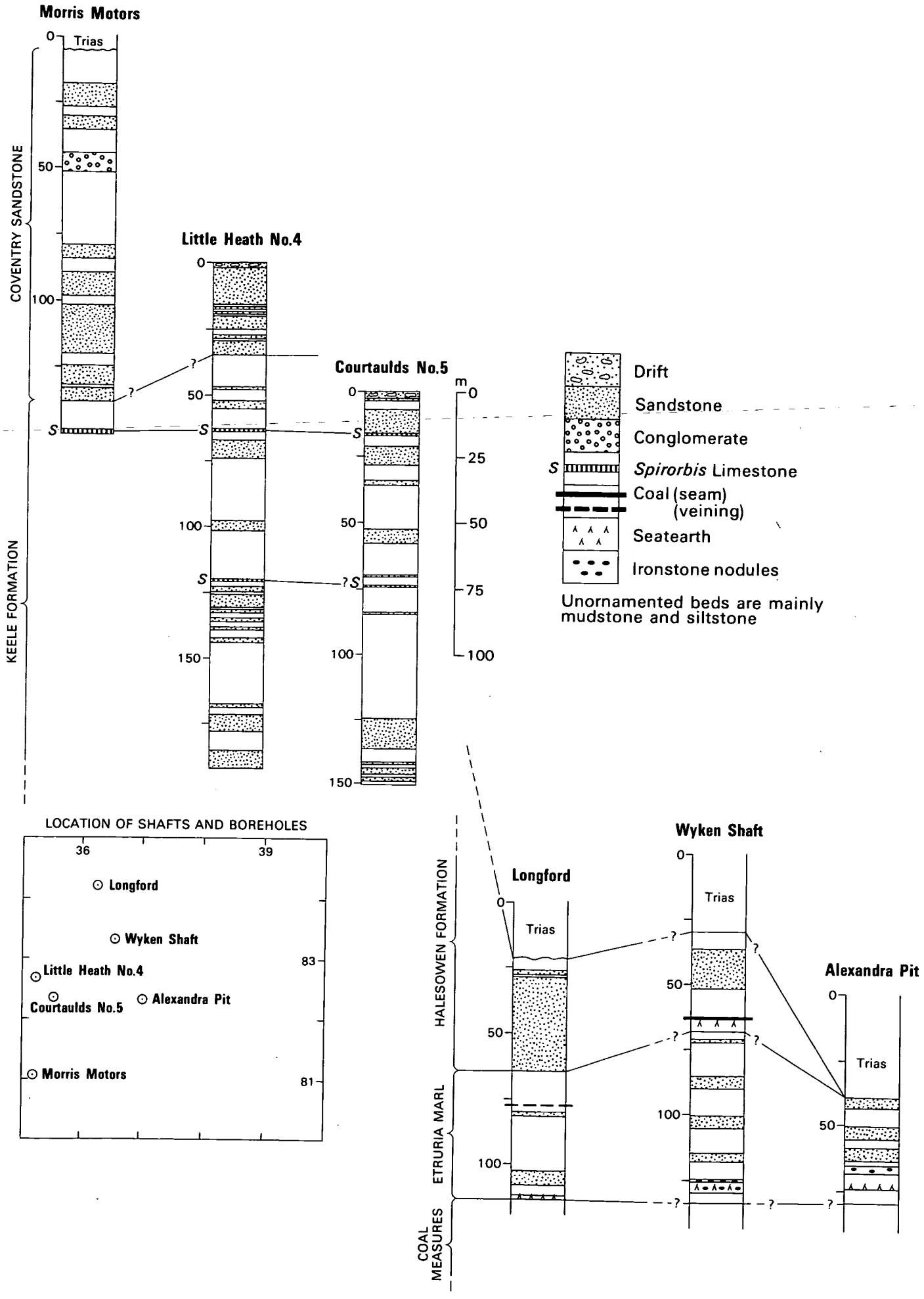


Figure 3. Comparative sections in the Upper Coal Measures (Westphalian C and D)

limestone (Figure 3). The base of the sequence is ill-defined and there is frequently a passage through an alternation of red and grey rocks into the Halesowen Formation below. The boundary with the overlying Enville Group is also transitional but is taken at the level where sandstones again become dominant.

The formation has an estimated thickness of about 250m, of which the uppermost 164m was proved in the Little Heath No.4 Borehole [3525 8270](Figure 3). The borehole record shows that about 70 per cent of the cored sequence consisted of mudstone; the remainder comprised mostly red, or sometimes grey-coloured, thinly bedded sandstone, commonly with bands of mudstone pellets. More massive, coarse-grained sandstones displaying cross-bedding were also recorded, including a 7m thick basal unit. Spirorbis limestones were noted at two levels, 29 and 86m below the probable top of the formation. The upper bed consisted of 0.2m of dark grey, fine-grained limestone with vertical borings; the lower one was a red and grey limestone, irregularly veined with purplish red marl. The beds probably correlate with two limestones found in the Courtaulds No.5 bore [3554 8235].

Some of the shallow boreholes drilled on the line of the M6 motorway, to the north-west of Victoria Farm [358 840] penetrated the lower part of the Keele Formation. Most proved mainly red mudstone, except for two boreholes at the Longford Road bridge [8013 8467] which passed through sandstone up to 8.6m thick.

Exposures of the Keele Formation are rare. Red mudstone was noted by Eastwood in the bed of the River Sowe, near Aldermans Green [357 833], and during the present survey mudstone was augered in the valley side to the north and south of Foxford School [354 838, 354 842]. Sandstone was only seen as flaggy surface brash in the bank of the Coventry Canal, 300m north-west of Grange Farm (3554 8449).

Enville Group

Coventry Sandstone Formation (Westphalian D - Stephanian?)

The Coventry Sandstone Formation has a maximum thickness of 235 m in this area, but much of it is concealed beneath Trias; only the lower 137m is known

in any detail. The age of the formation is thought to be Westphalian D or Stephanian, though no unequivocal faunal evidence has yet been found. Sandstones, although not everywhere dominant over mudstones, make up a large part of the sequence, being predominent in the lower 60m, and distinguish it from the underlying Keele Formation.

The upper 137.8m of beds, cored in the Morris Motor Borehole [3528 8106], are assigned to the Coventry Sandstone Formation. They consist of almost equal proportions of red sandstone and mudstone and include a 7.3m bed of conglomerate 86.6m above the base. Beds in the lowest part of the Coventry Sandstone were also penetrated in the Little Heath No.4 bore [3525 8270].

Conglomeratic sandstone crops out in a tributary of the River Sowe in Foleshill [3503 8198]. The exposure consists of a single bed, 0.2m thick, of very hard, grey, quartzose sandstone, containing rounded pebbles of chert and limestone up to 3cm in diameter. An exposure 15m further downstream comprises thinly bedded, grey-green sandstone with intercalations of red mudstone. Variable and conflicting dips may indicate the presence of a fault between the two outcrops, but this cannot be confirmed from the limited exposure. The conglomeratic sandstone may be the lateral equivalent of the conglomerate bed recorded in the Morris Motors Borehole.

There are few other outcrops of the Coventry Sandstone. A low feature in the valley floor 0.75km to the north of Foleshill exposes 1m of (?) cross-bedded sandstone. In the adjacent cemetery [351 828], sandstone blocks and disaggregated rock sand have been observed in newly dug graves. The highest exposed beds in the sequence are displayed in the banks of the Coventry Canal [3503 8088] near Courthouse Green, where red mudstones can be seen just below the waterline.

Triassic

Sherwood Sandstone Group

Bromsgrove Sandstone Formation

The Sherwood Sandstone Group is represented in the area by the Bromsgrove Sandstone (formerly Keuper Sandstone). The formation rests with marked unconformity on Cambrian or Carboniferous rocks and comprises some 25 to 38m

of current-bedded sandstone interbedded with mudstone. The sandstones, when fresh, are mainly grey in colour, but weather to a soft buff or brown rock. Mica occurs as disseminated flakes and as concentrations on bedding planes and cross-laminae. The sandstones are generally well-sorted and feldspathic. The formation shows well developed cyclic sedimentation, particularly in its lower part. Each complete cycle comprises a basal sandstone unit which fines upwards into siltstone and then mudstone. The thicker sandstones commonly contain small pebbles or mudstone flakes, and usually rest on sharp, erosive bases. The intervening mudstones range from a few centimetres to more than 4m in thickness. The deposits are of fluvial origin; the sandstones probably accumulated in migrating river channels and the mudstones as overbank flood deposits. The resulting bedforms tend to be lenticular and laterally impersistent.

The Bromsgrove Sandstone has been encountered in many shallow site investigation drill holes and in several deeper boreholes sunk for water or coal. In the Clifford Bridge Borehole [3761 8079], the formation is 29m thick and rests unconformably on Merevale Shales (Figure 4). The basal mudstone, with polished listric surfaces, is overlain by a cyclical sequence of alternating sandstones and mudstones with a notable coarse pebbly sandstone at the base. The upper part of the sequence consists of tabular cross-bedded and parallel laminated sandstones, separated by red silty sandstones and thin mudstones. About 30 per cent of the sequence comprises mudstone, with more in the lower part than the upper, some of the mudstones being veined with gypsum. The Bromsgrove Sandstone in the Binley No.1 borehole [3745 8031] is probably of similar thickness (?25m), but there is some doubt about the classification of the strata.

The formation crops out beneath drift along the Sowe valley, but exposure is poor. The best section is in a roadside cutting at the northern end of Bell Green Road [3574 8217] where there is a 2.8m high cliff in soft buff and red streaked sandstone. The beds are strongly cross-bedded with erosive bases and contain quartz pebbles and yellow sandy marl pellets.

A stream section [3625 8303], 150m south of Wyken Pool, shows 1m of red sand (weathered sandstone), separated by a clay parting from 1.3m of flat-lying, cross-bedded, buff-coloured sandstone. Close by, in the same stream [3625

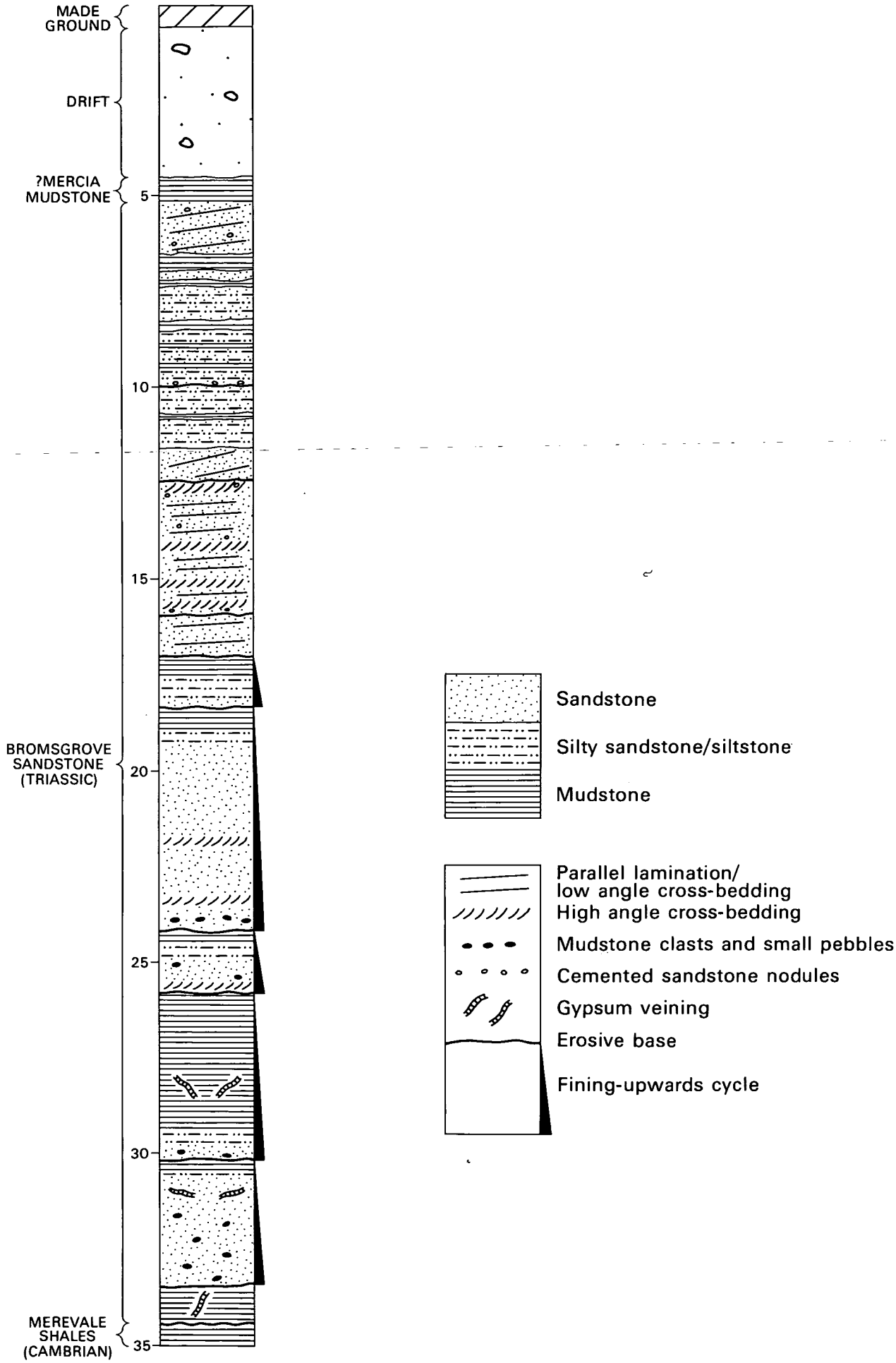


Figure 4. The Bromsgrove Sandstone in the Clifford Bridge Borehole.

8301] up to 1.8m of sandstone containing mudstone clasts is displayed.

Mercia Mudstone Group

The outcrop of the Mercia Mudstone (formerly Keuper Marl) extends across the eastern half of the area but is largely drift covered. The strata thicken towards the south where a maximum of about 25m of beds can be expected; over the central part of the outcrop the thickness is much less, probably between 5 and 10m.

The Mercia Mudstone consists predominantly of blocky red mudstones with a few bands of green siltstone and fine-grained sandstone. The base is gradational but, where drift-free, has been mapped below a conspicuous green siltstone. This bed has been proved by augering in the school playing-field in Wyken [3681 8044] and in the floor of the valley to the east of Potter's Green [382 829]. The position of the base of the Mercia Mudstone beneath the thicker drift deposits in the centre and north of the area is conjectural.

Beds in the lower part of the sequence were proved in site investigation drill holes for the Coventry Eastern Bypass. A borehole [3933 8196] just to the south of the M6/M69 interchange proved 17.2m of red mudstone, with gypsum veining, resting on Bromsgrove Sandstone. Exposures of Mercia Mudstone are seen in a tributary of the Sowe, 250m to the north of High Bridge [3882 8090].

Structure

Little is known of the detailed structure of the Cambrian basement. However, faunal evidence from deep boreholes indicates that the Tremadoc rocks are affected by open folds that trend north-eastwards across the area. A relatively low dip (about 15°) was obtained from the Merevale Shales in the Clifford Bridge Borehole.

Intra-Carboniferous movements are responsible for the unconformity at the base of the Halesowen Formation.

Folding in post-Carboniferous - pre-Triassic times produced a shallow southward-plunging syncline, in which the coal reserves of the Warwickshire Coalfield are preserved. Dips on the eastern limb of the syncline are mostly in the range 10 to 15° but the beds steepen to almost 30° towards the incrop. Folding of the Carboniferous predates the Trias, which truncates the syncline, so that progressively older beds incrop north-eastwards against the Triassic unconformity.

The main effect of post-Triassic movements has been to impose a gentle south-eastwards dip of 1 to 2° on the Bromsgrove Sandstone and Mercia Mudstone. The Triassic crop is faulted along part of its western margin by a north-northeastward trending fracture which throws down about 10m to the east.

Quaternary

Glacial Drift

Thick spreads of glacial drift cover much of the area, and form part of a layered sequence first recognised by Shotton (1953) between Rugby, Coventry and Leamington. The nomenclature proposed by Shotton and later modified by Sumbler (1983), has been adopted in this report. Conventionally, the glacial deposits have been attributed to the Wolstonian Glaciation (Shotton and West, 1969), but the stratigraphic basis of this glaciation is now considered questionable, and the deposits are regarded by many workers as Anglian in age (Sumbler, 1983; Bowen and others, 1986).

The glacial drift was deposited on an undulating topography which has partly been exhumed by post-glacial erosion along the valleys of the River Sowe and its tributaries. The drift is thickest on the high plateau south of Barnacle, where it exceeds 20m; farther to the west, the deposits become thinner and slightly patchy where the rockhead elevation rises above 85m O.D. (Figures 5 and 6).

Two drift-filled channels have been identified in the Hawkesbury area (Figure 5); one follows the line of the modern valley southwards through Hawkesbury to the site of the old Coventry Power Station [363 842], where it swings east south-eastwards and continues as a shallow depression beneath the M6 motorway; the other underlies the valley to the west of Foxford School [354 843]. Both channels are filled with upwards of 15m of drift, comprising till on a basal sand and gravel unit.

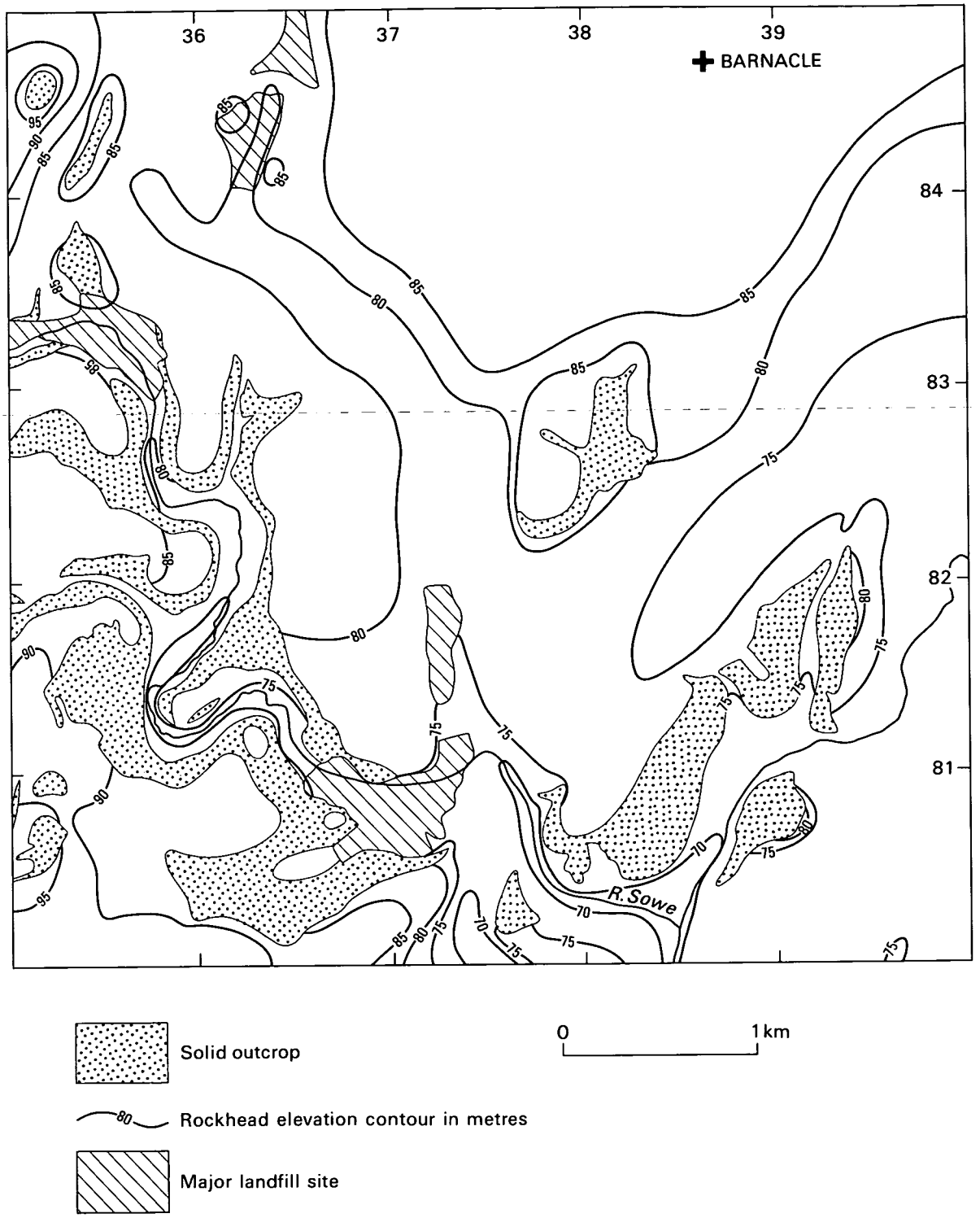


Figure 5. Sub-drift rockhead elevation.

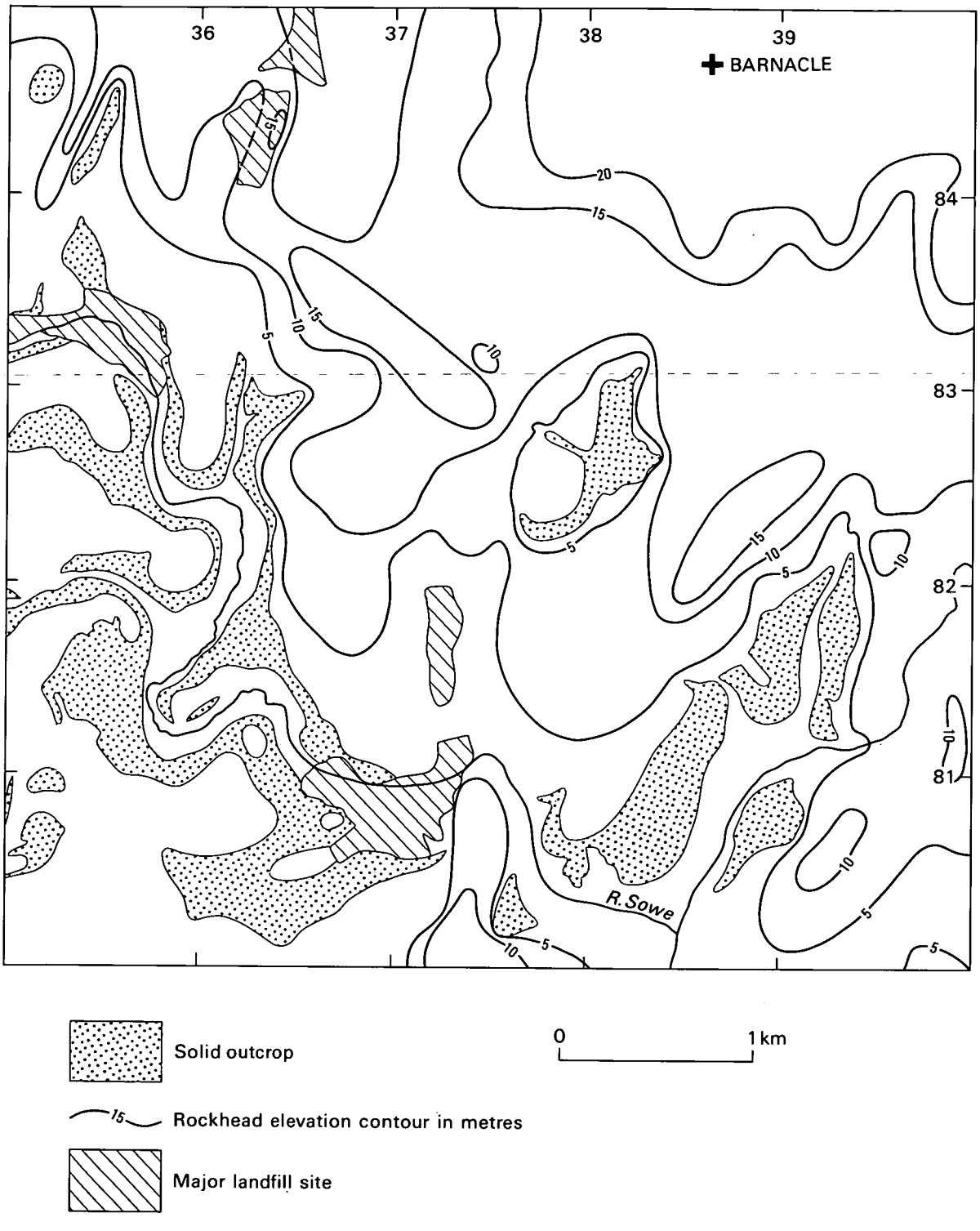


Figure 6. Thickness of drift.

Baginton Sand and Gravel

The oldest proven drift is the Baginton Sand and Gravel, which was deposited directly on Triassic bedrock by streams draining northeastwards along the 'proto-Soar' valley (Shotton, 1953). The deposit is mainly confined to a small area south-east of Walsgrave Hill, where it crops out beneath till and river terrace deposits. Here it is approximately 6m thick and comprises mainly medium- to fine-grained sand with some 'Bunter' pebbles.

At the M6/M69 interchange, sand and gravel, probably representing the Baginton Sand and Gravel, has been proved beneath till in two site investigation boreholes [3937 8228, 3930 8226]. The deposit is up to 6.7m thick and appears to infill a channel no more than 100m across.

Glacial Sand and Gravel (undivided)

Several small outliers of sand and gravel occur along the western edge of the area, between Foleshill [351 821] and Foxford [353 836]. None of the deposits is well-exposed, nevertheless they appear to form a separate and lithologically distinct group at an elevation some 10m higher than the Baginton Sand and Gravel. Trial pits in the grounds of Foxford School [3548 8402] proved 1.9m of poorly sorted cobble gravel (not bottomed), beneath a thin till cover. The gravel comprised blocks, up to 0.5m across, of quartzite, sandstone and shale. Similar poorly sorted material has been recorded from the cemetery off Windmill Road [3502 8280]. Farther to the north, the sand and gravel is concealed beneath thicker till deposits but can be traced in boreholes; one at the Coventry Canal/M6 crossing [3543 8439] proved 5.1m of sand and gravel, and another at Hawkesbury Lane Station [3556 8489] passed from till into 8.8m of sand and gravel.

Other occurrences of sand and gravel, at a slightly lower elevation, crop out beneath till along the valley sides, south of Potter's Green [374 820] and are recorded in site investigation drill holes for the Manor Farm Estate [369 811]. Sands up to 1.3m thick, also occur within the till sheet around Henley Green, but they are not mappable through the urban area.

The various deposits referred to above are believed to have been laid down beneath ice or close to the ice margin. The occurrence of shale blocks in the Foxford area implies an input of material from the north, probably from the exposed coalfield.

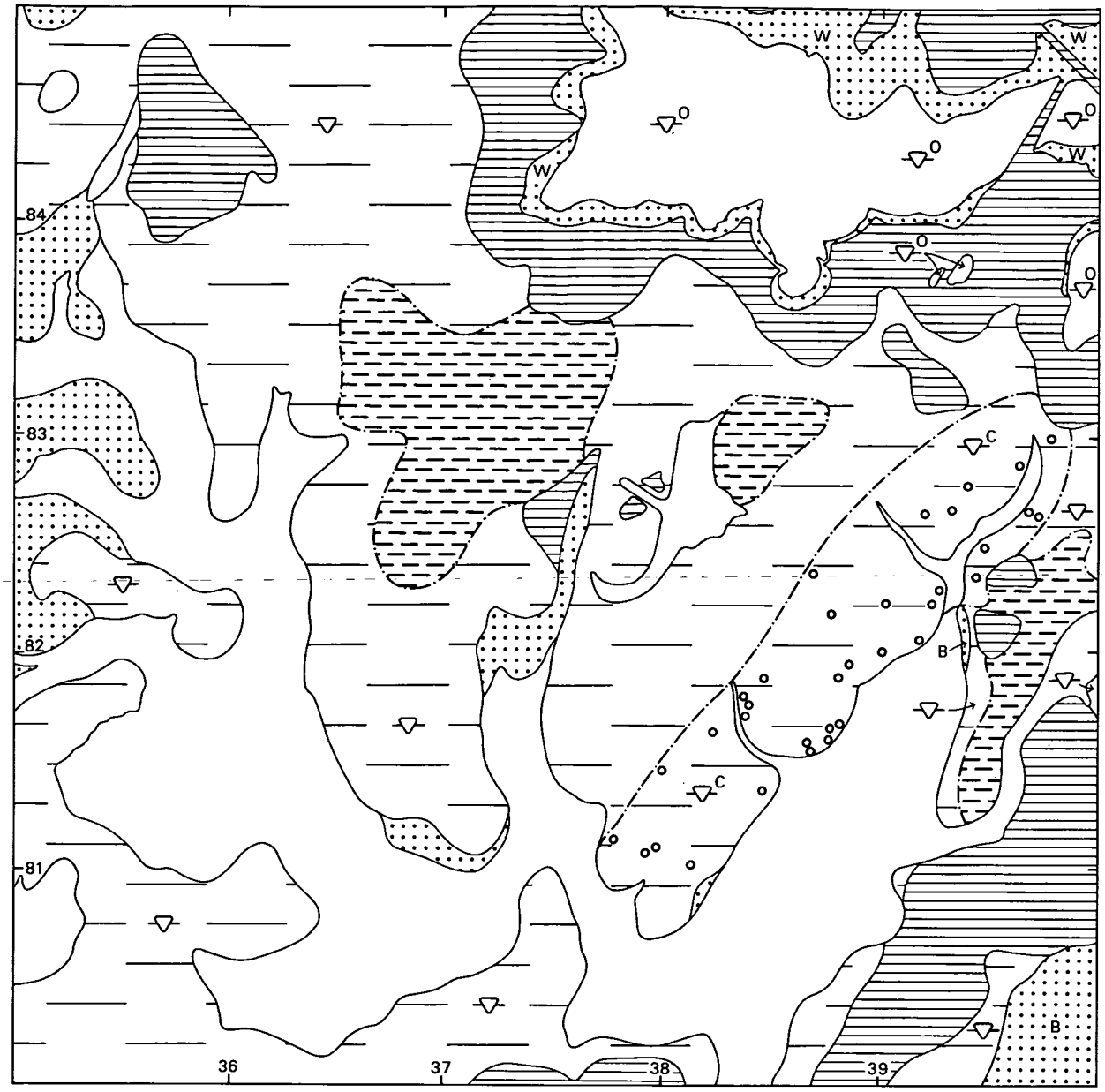
Till (undivided)

A sheet of till between 7 and 12m thick covers most of the area; in the south-east it rests with sharp contact on Baginton Sand and Gravel; elsewhere it rests on Triassic or Carboniferous bedrock, sometimes with an intervening basal sand or gravel. The commonest lithology is a reddish brown, stony clay of Triassic derivation, comparable with the Thrussington Till (Rice, 1968). It contains blocks of grey and green sandstone (skerry), reddish-brown siltstone, pebbles of 'Bunter' quartzite and coal fragments. Rarer erratics include of diorite, ironstone and Carboniferous Limestone.

Interleaved with this reddish-brown till are local additions of predominantly brown till containing chalk and flints. The latter facies, defined by augering, comes to crop in a narrow lobe which extends from the M6/M69 interchange southwestwards to Walsgrave. Its boundary (Figure 7) has been drawn to encompass all surface records of chalk-bearing till. In at least one motorway borehole [3894 8237], brown chalky till was recorded at the base of the drift sequence, implying that ice carrying chalk-rich material advanced into the area at an early stage.

Sections in the till are rare and tend to be temporary. Foundation trenches at a site in Walsgrave [382 816] showed about 3m of dark brown till containing chalk and whole flint nodules, interbedded with bands of red 'Thrussington-type' till. A shallow gravel-filled channel, 4m wide, traversed the site from north to south.

In the upper part of the till sheet, there is an upward change from red stony till to stoneless clay as the contact with the overlying Wolston Clay is approached. Where the transition occurs over several metres, there are extensive outcrops of passage beds, notably in the areas of Wood End, Wyken and to the east of the Coventry Eastern Bypass (Figure 7).



Oadby Till; brown and grey clay with chalk and flints

Till (undifferentiated); mainly Trias-derived red stony clay
C = Chalky Facies

Sand and Gravel;
W = Wolston Sand and Gravel
B = Baginton Sand and Gravel

Wolston Clay; stoneless clay laminated in part

Interbedded till and stoneless clay

Auger hole proving chalky till in lower part of sequence

Boundary between facies

Solid outcrops and post-glacial sediments are shown unornamented

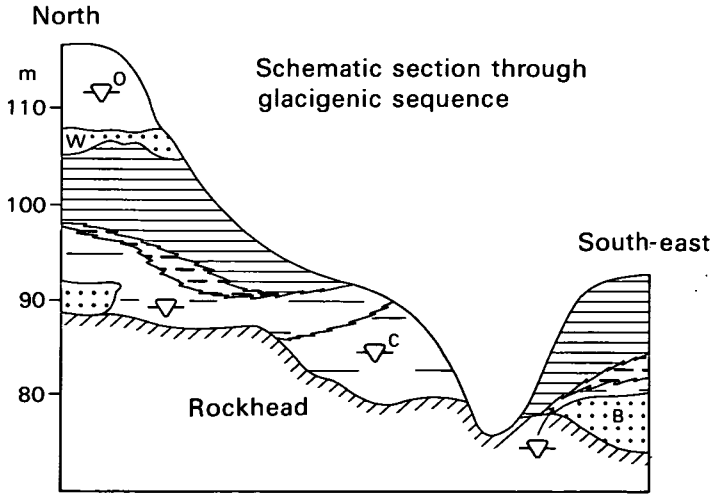


Figure 7. Distribution of glacial drift

A temporary exposure at Brookfield Farm [381 832], typical of the passage beds, showed 0.5m of red silty and stony clay, with thinly interbedded seams of brown stoneless clay. Similar lithologies were seen in site works off Deedmore Road [368 826] and Dutton Road [369 830].

While it is possible to show the general distribution of the passage beds, they do not form mappable units, and are classified with till on the accompanying 1:10 000 scale map.

Wolston Clay

The Wolston Clay forms the prominent feature of Walsgrave Hill and crops out on the higher ground in the north-east; there are also several small outliers. The base of the deposit rises from an elevation of about 76m in the south-east to over 99m in the north. The dominant lithology is a chocolate brown and grey, mottled, smooth clay; it is usually calcareous and commonly contains small white race nodules. In section it may appear structureless or display a fine lamination, which has been interpreted as varving (Shotton, 1976a, p.248). The formation is about 17m thick at Walsgrave Hill and decreases to 13m north-west of Ansty.

A 10m borrow pit was dug on the flank of Walsgrave Hill [391 805] in 1987 to provide embankment fill for the Coventry Eastern Bypass. Beds at the base of the pit comprised brecciated, structureless clay with some pods of flow(?) till. Towards the top, silt and fine-sand layers, displaying flaser bedding, were recorded.

The close association between the Wolston Clay and the underlying till suggests that during Wolston Clay times deposition occurred in close proximity to ice, possibly in transient glacial lakes. The passage beds at the base of the sequence provide the first evidence of ponding, when till and lake clays were deposited contemporaneously, possibly beneath floating ice or at the ice margin.

Ochreous, poorly sorted, flinty gravels are piped into the upper surface of the Wolston Clay on Walsgrave Hill [3918 8043]. These very localised deposits are thought to be the only representatives in the area of the Dunsmore Gravel (Old and others, 1987, p.57).

Wolston Sand and Gravel

The Wolston Sand and Gravel crops out beneath on outlier of Oadby Till in the northeast of the area. It forms a sheet between 1 and 4m thick, which maintains a fairly constant elevation of about 105m AOD. The typical lithology is a fine- to medium-grained silty sand, commonly interbedded with grey sticky clay. Thin chalky gravels are recorded locally. The deposit rests with a sharp base on the underlying Wolston Clay, and is interpreted as glacial outwash from the Oadby Till ice.

A section formerly seen at Barnacle Hall Brickpit [3850 8381] was:

		m
Till	(Oadby Till)	1.5 seen
Clayey Sand)		1.5
Clay and loam)	(Wolston Sand and Gravel)	0.8
Clean brown sand)		1.8
Dark purplish clay	(Wolston Clay)	1.5+

Another site in Ansty village [399 834] shows:

		m
Chalky till with sharp base	(Oadby Till)	0.3
Interbedded fine sand and clay)		0.2
Gravel with 'Bunter', chalk)(Wolston Sand		
and flint pebbles, and inter-) and Gravel)		
calations of sand)		0.6
Sand		0.2 seen

The maximum recorded thickness of the deposit was 4.2m proved in a site investigation borehole for the M69 motorway [3920 8437].

Because the sands are underlain by impervious clays, they form a local aquifer, and this has posed a particular problem with regard to pipe-laying operations around the village of Barnacle.

Oadby Till

The Wolston Sand and Gravel is capped by a 9m thick sheet of olive brown and grey till containing chalk, flint and Jurassic erratics. The till, first described from the Leicester area (Rice, 1968), has a clay matrix derived largely from Jurassic mudstones and is typically mottled brown and grey with powdery streaks of chalk. Thin sands are present locally within the till.

The contact between the Oadby Till and the underlying Wolston Sand and Gravel is exposed at Barnacle Hall Brickpit [384 838], at an elevation of about 106m AOD.

River Terrace Deposits

Fluviatile spreads of sand and gravel, probably representing four terrace levels, occur on both sides of the Sowe valley. All the terraces are of similar composition and are differentiated solely on the basis of height. They are composed dominantly of flint, 'Bunter' quartzite and Carboniferous sandstone pebbles.

Fourth Terrace Deposits form gravelly flats about 15m above the floodplain of the River Sowe, on the south-east flank of Walsgrave Hill. Most of the deposits are conspicuously flinty and form low features overlapping onto till or Baginton Sand and Gravel. A thin patch of clayey pebbly sand capping the col [399 800] to the north of Hill Fields Farm is also designated as Fourth Terrace, though it is somewhat higher than the surrounding terrace deposits.

Third Terrace Deposits have only been mapped in the Wyken area [374 806] which is now built-up. The terrace flat lies about 8m above the River Sowe floodplain and corresponds to ground formerly mapped by Eastwood as sand and gravel. The back of the terrace is indistinct, and thin gravels have been recorded in the school playing-fields [372 804] beyond the mapped feature.

Second Terrace Deposits are proved as small patches of gravel lying between 3 and 6m above the floodplain of the Sowe. One small gravel pit [363 811], now filled-in, showed 1.5m of sandy gravel with 'Bunter' pebbles and rare flints. Site investigation boreholes for the shopping precinct at Bell Green [360 821], proved up to 3.6m of fine- to coarse-gravel, with some cobbles.

First Terrace Deposits form flats about 1.5m above the alluvium downstream from Bell Green. The effects of urban development, coupled with landfill, have largely obscured the true form of these deposits.

Alluvium

Alluvial deposits occur in all of the major valleys. The alluvium of the Sowe has been proved in boreholes to consist of a loamy clay above a basal gravel; and to be no more than 6m thick.

To combat the affects of mining subsidence, and to prevent flooding, the river has been straightened, and large tracts of the floodplain have been built-up artificially. Major landfill schemes have been completed at Alderman's Green [357 833] and are continuing at Wyken Croft [370 809].

Along the main tributary of the Sowe, which flows to the south-east of Walsgrave, there is a fairly wide alluvial tract which rises imperceptably away from the river. Although it is reported to flood across its entire width, there may locally be First Terrace Deposits, particularly on the right bank, which have not been distinguished.

Peat

Peat up to 1m thick has formed in the valley draining into Combe Pool.

ECONOMIC GEOLOGY

Brick Clay

Clay for brick and tile-making was formerly dug at several sites in the area (Table 1). Two of the pits were located in drift (Wolston Clay), one in Keele Formation mudstones, and a fourth in mudstones within the Bromsgrove Sandstone. The favoured formation to the north of this area, the Etruria Marl, is covered by several metres of till and has never been worked.

BRICKPIT	LOCATION	FORMATION
Victoria Brick Pit	3582 8413	Wolston Clay
Barnacle Hall Brick Pit	3845 8378	Wolston Clay
Barras Heath Brick Pit	3505 8055	Mudstone within Bromsgrove Sandstone
Longford Brick Pit	3560 8415	Keele Formation

Table 1. Location of former brick pits.

Fireclays beneath the Thick Coal were formerly exploited in the underground workings at Wyken Colliery.

Coal

The concealed part of the Warwickshire Coalfield has a long and chequered history of mining for which there is documentary evidence dating from the 1570s (Grant, 1982). All of the recoverable reserves in the Thick Coal, which was initially worked close to its incrop from shafts at Hawkesbury, Victoria, Wyken and Craven. Towards the later part of the nineteenth century, new shafts were sunk on these sites and roadways were driven down-dip to allow extraction of reserves from deeper parts of the coalfield. Production continued into the early 1900s until the pits became uneconomic and were eventually abandoned. Wyken Colliery was the first to close in 1914, followed by Craven Colliery in 1928. Production at the Exhall Colliery (which included Hawkesbury and Victoria, continued until 1938. Undermining finally ceased in 1971 when the last recoverable reserves were extracted from beneath Foleshill in headings driven from the Coventry Colliery.

Isopachytes and nomenclature for the Thick Coal seam have been published by British Coal (formerly National Coal Board) (NCB, 1957); additional information is given in the Westphalian section of this report.

Ironstone

The production of ironstone from the Warwickshire Coalfield during the late nineteenth century has been reviewed by Strahan and others (1920). Output reached a maximum between 1874 and 1875 when 100,000 tons was produced; by the turn of the century this figure had reduced to 92 tons.

In the present area, production was centred on the White Ironstone measures which were worked at Hawkesbury (Grove) and Wyken collieries. There are no details of production levels from these mines or indeed of the composition of the iron-ore. The stratigraphy of the ironstone-bearing measures has been reviewed earlier.

Water Supply

Boreholes sunk to provide water for industrial use are listed below (Table 2). The principal aquifers are the sandstones of the Enville Group and Halesowen Formation.

NAME	GRID REFERENCE	DEPTH	GEOLOGICAL HORIZON
Courtauld's No.4	3525 8270	198.1	Coventry Sandstone & Keele Formation
Morris Motors	3528 8106	149.4	" "
Courtauld's No.5	3554 8235	150.3	" "
Longford (Richardson, 1928, pp180-2)	3624 8425	122.3	Halesowen Formation, Etruria Marl, Productive Coal Measures
Hawkesbury Lane Stn.	3556 8489	73.9	Halesowen Formation
Hawkesbury Pumping Stn.	3623 8461	36.6	Bromsgrove Sandstone, Halesowen Formation

Table 2 Water-borings and wells.

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APPENDIX : Schedule of Boreholes on Sheet SP 38 SE

BOREHOLE NUMBER SP38SE	BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
1	WYKEN SHAFT WALSGRAVE ON SOWE	3667	8334	228.80	1948
2	WALSGRAVE MAIN WALSGRAVE ON SOWE	3670	8332	228.60	----
3	WALSGRAVE ON SOWE	3667	8379	33.53	----
4	COURTAULDS LITTLE HEATH NO.4 COVENTRY	3525	8270	198.12	1946
5	MORRIS MOTORS LTD COVENTRY	3528	8106	149.35	1939
6	WYKEN COLLIERY WALGRAVE ON SOWE	3702	8233	179.04	1877
7	CRAVEN COLLIERY COVENTRY	3728	8128	77.72	----
8	CRAVEN COLLIERY COVENTRY	3731	8110	59.44	----
9	COVENTRY CORP SEWERAGE BH.B9	3669	8015	21.95	1963
10	COVENTRY CORP SEWERAGE BH.B10	3654	8038	12.80	1963
11	COVENTRY CORP SEWERAGE BH.B11	3643	8053	10.67	1963
12	COVENTRY CORP SEWERAGE BH.B12	3613	8090	18.90	1963
13	COVENTRY CORP SEWERAGE BH.B13	3598	8118	9.14	1963
14	COVENTRY CORP SEWERAGE BH.B14	3591	8156	9.14	1963
15	COVENTRY CORP SEWERAGE BH.B15	3600	8169	9.14	1963
16	COVENTRY CORP SEWERAGE BH.B16	3609	8184	9.14	1963
17	COVENTRY CORP SEWERAGE BH.B17	3586	8216	15.54	1963
18	COVENTRY CORP SEWERAGE BH.B18	3582	8229	12.19	1963
19	COVENTRY CORP SEWERAGE BH.B19	3583	8244	7.62	1963
20	COVENTRY CORP SEWERAGE BH.B20	3576	8269	7.62	1963
21	COVENTRY CORP SEWERAGE BH.B21	3579	8284	7.62	1963
22	COVENTRY CORP SEWERAGE BH.B22	3573	8300	7.01	1963
23	COVENTRY CORP SEWERAGE BH.B23	3564	8311	9.14	1963
24	COVENTRY CORP SEWERAGE BH.B24	3552	8320	8.53	1963
25	COVENTRY CORP SEWERAGE BH.B25	3541	8330	7.32	1963
26	COVENTRY CORP SEWERAGE BH.B26	3525	8337	7.62	1963
27	COVENTRY CORP SEWERAGE BH.B27	3502	8338	8.23	1963
28	COVENTRY CORP SEWERAGE BH.C1	3717	8015	17.98	9163
29	COVENTRY CORP SEWERAGE BH.C1A	3736	8032	14.02	1963
30	COVENTRY CORP SEWERAGE BH.C5	3768	8073	9.75	1963
31	COVENTRY CORP SEWERAGE BH.C8	3762	8100	9.14	1963
32	COVENTRY CORP SEWERAGE BH.C12	3742	8131	8.23	1963
33	COVENTRY CORP SEWERAGE BH.C2	3759	8046	7.62	1963
34	MINISTRY TRANSPORT BEDWORTH 1189	3609	8392	12.19	1966
35	MINISTRY TRANSPORT BEDWORTH 1190	3613	8394	18.29	1966
36	MINISTRY TRANSPORT BEDWORTH 1191	3624	8387	13.11	1966
37	MINISTRY TRANSPORT BEDWORTH 1192	3623	8384	16.15	1966
38	MINISTRY TRANSPORT BEDWORTH 1193	3643	8370	8.96	1966
39	MINISTRY TRANSPORT BEDWORTH 1195	3654	8365	12.19	1966
40	MINISTRY TRANSPORT BEDWORTH 1196	3673	8352	12.19	1966
41	MINISTRY TRANSPORT BEDWORTH 1197	3695	8339	15.24	1966
42	MINISTRY TRANSPORT BEDWORTH 1198	3694	8334	12.19	1966
43	MINISTRY TRANSPORT BEDWORTH 1199	3707	8327	12.19	1966
44	MINISTRY TRANSPORT BEDWORTH 1200G	3713	8325	3.05	1966
45	MINISTRY TRANSPORT BEDWORTH 1200	3711	8324	12.19	1966
46	MINISTRY TRANSPORT BEDWORTH 1201	3728	8333	12.19	1966
47	MINISTRY TRANSPORT BEDWORTH 1202	3726	8314	12.19	1966
48	MINISTRY TRANSPORT BEDWORTH 1203	3742	8304	15.24	1966
49	MINISTRY TRANSPORT BEDWORTH 1204	3743	8300	12.19	1966

C as a suffix to the borehole number denotes information held on a 'Commercial in Confidence' basis.

* in the depth column denotes a site for which more than one record exists.

BOREHOLE NUMBER SP38SE	BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
50	MINISTRY TRANSPORT BEDWORTH 1205	3758	8288	15.24	1966
51	MINISTRY TRANSPORT BEDWORTH 1206	3766	8290	12.19	1966
52	MINISTRY TRANSPORT BEDWORTH 1207	3768	8285	15.24	1966
53	MINISTRY TRANSPORT BEDWORTH 1208	3771	8282	12.19	1966
54	MINISTRY TRANSPORT BEDWORTH 1209	3793	8273	10.06	1966
55	MINISTRY TRANSPORT BEDWORTH 1210	3807	8262	6.10	1966
56	MINISTRY TRANSPORT BEDWORTH 1210G	3812	8262	3.05	1966
57	MINISTRY TRANSPORT RUGBY 1211	3819	8258	9.14	1966
58	MINISTRY TRANSPORT RUGBY 1212	3831	8253	9.14	1966
59	MINISTRY TRANSPORT RUGBY 1213	3851	8246	9.14	1966
60	MINISTRY TRANSPORT RUGBY 1214	3869	8244	6.86	1966
61	MINISTRY TRANSPORT RUGBY 1215	3870	8238	12.50	1961
62	MINISTRY TRANSPORT RUGBY 1216	3879	8240	15.24	1961
63	MINISTRY TRANSPORT RUGBY 1217	3879	8236	12.19	1961
64	MINISTRY TRANSPORT RUGBY 1218	3894	8233	15.24	1961
65	MINISTRY TRANSPORT RUGBY 1219	3894	8237	12.19	1961
66	MINISTRY TRANSPORT RUGBY 1221	3900	8230	8.53	1961
67	MINISTRY TRANSPORT RUGBY 1220	3900	8236	6.10	1961
68	MINISTRY TRANSPORT RUGBY 1222	3909	8232	6.10	1961
69	MINISTRY TRANSPORT RUGBY 1223	3922	8231	3.05	1961
70	MINISTRY TRANSPORT RUGBY 1224G	3934	8232	3.05	1961
71	MINISTRY TRANSPORT RUGBY 1224C	3936	8231	3.05	1961
72	MINISTRY TRANSPORT RUGBY 1224	3937	8228	12.19	1961
73	MINISTRY TRANSPORT RUGBY 1224D	3939	8226	1.63	1961
74	MINISTRY TRANSPORT RUGBY 1224H	3942	8228	3.05	1961
75	MINISTRY TRANSPORT RUGBY 1224G	3943	8228	2.44	1961
76	MINISTRY TRANSPORT RUGBY 1224F	3942	8226	2.59	1961
77	MINISTRY TRANSPORT RUGBY 1224E	3942	8226	3.05	1961
78	MINISTRY TRANSPORT RUGBY 1225F	3950	8229	18.29	1961
79	MINISTRY TRANSPORT RUGBY 1226	3956	8228	9.14	1961
80	MINISTRY TRANSPORT RUGBY 1228	3971	8226	12.19	1961
81	MINISTRY TRANSPORT RUGBY 1227	3972	8231	15.24	1965
82	MINISTRY TRANSPORT RUGBY 1229	3982	8228	3.05	1965
83	MINISTRY TRANSPORT RUGBY 1229G	3987	8231	16.46	1966
84	MINISTRY TRANSPORT RUGBY 1225	3946	8225	3.05	1965
85	MIN OF T/PORT COVENTRY-LEICESTER BH1	3880	8233	18.00	1970
86	MIN OF T/PORT COVENTRY-LEICESTER BH2	3895	8332	9.20	1970
87	MIN OF T/PORT COVENTRY-LEICESTER BH3	3898	8382	6.30	1970
88	MIN OF T/PORT COVENTRY-LEICESTER BH4	3913	8412	12.40	1970
89	MIN OF T/PORT COVENTRY-LEICESTER BH5	3920	8437	12.60	1970
90	MIN OF T/PORT COVENTRY-LEICESTER BH6	3922	8471	6.50	1970
91	MIN OF T/PORT COVENTRY-LEICESTER BH5A	3969	8486	12.20	1970
92	MIN OF T/PORT COVENTRY-LEICESTER BH2A	3922	8357	9.20	1970
93	COVENTRY-LEICESTER MOTORWAY BH100	3979	8224	5.00	1971
94	COVENTRY-LEICESTER MOTORWAY BH101	3954	8224	5.00	1971
95	COVENTRY-LEICESTER MOTORWAY BH102	3962	8219	14.00	1971
96	COVENTRY-LEICESTER MOTORWAY BH103	3964	8219	14.00	1971
97	COVENTRY-LEICESTER MOTORWAY BH104	3969	8197	6.00	1971
98	COVENTRY-LEICESTER MOTORWAY BH105	3947	8191	6.50	1971
99	COVENTRY-LEICESTER MOTORWAY BH106	3932	8205	8.00	1971

BOREHOLE NUMBER SP38SE	BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
100	COVENTRY-LEICESTER MOTORWAY BH107	3927	8225	8.60	1971
101	COVENTRY-LEICESTER MOTORWAY BH108	39a30	8226	20.00	1971
102	COVENTRY-LEICESTER MOTORWAY BH109	3929	8231	12.00	1971
103	COVENTRY-LEICESTER MOTORWAY BH110	3930	8234	12.00	1971
104	COVENTRY-LEICESTER MOTORWAY BH111	3932	8235	20.00	1971
105	COVENTRY-LEICESTER MOTORWAY BH112	3928	8253	10.00	1971
106	COVENTRY-LEICESTER MOTORWAY BH113	3921	8265	12.00	1971
107	COVENTRY-LEICESTER MOTORWAY BH114	3917	8278	16.00	1971
108	COVENTRY-LEICESTER MOTORWAY BH115	3917	8280	14.00	1971
109	COVENTRY-LEICESTER MOTORWAY BH116	3920	8284	15.00	1971
110	COVENTRY-LEICESTER MOTORWAY BH117	3865	8248	6.00	1971
111	COVENTRY-LEICESTER MOTORWAY BH118	3891	8259	5.00	1971
112	COVENTRY-LEICESTER MOTORWAY BH119	3908	8288	5.00	1971
113	COVENTRY-LEICESTER MOTORWAY BH120	3915	8317	8.00	1971
114	COVENTRY-LEICESTER MOTORWAY BH121	3913	8338	7.00	1971
115	COVENTRY-LEICESTER MOTORWAY BH122	3920	8352	12.00	1971
116	COVENTRY-LEICESTER MOTORWAY BH123	3920	8356	12.00	1971
117	COVENTRY-LEICESTER MOTORWAY BH124	3923	8354	20.00	1971
118	COVENTRY-LEICESTER MOTORWAY BH125	3922	8360	12.00	1971
119	COVENTRY-LEICESTER MOTORWAY BH126	3925	8360	12.00	1971
120	COVENTRY-LEICESTER MOTORWAY BH127	3931	8377	8.00	1971
121	COVENTRY-LEICESTER MOTORWAY BH129	3943	8396	8.00	1971
122	COVENTRY-LEICESTER MOTORWAY BH130	3948	8412	17.50	1971
123	COVENTRY-LEICESTER MOTORWAY BH131	3953	8410	17.50	1971
124	COVENTRY-LEICESTER MOTORWAY BH132	3961	8427	5.00	1971
125	COVENTRY-LEICESTER MOTORWAY BH133	3969	8438	8.00	1971
126	COVENTRY-LEICESTER MOTORWAY BH134	3972	8445	17.50	1971
127	COVENTRY-LEICESTER MOTORWAY BH135	3969	8446	17.00	1971
128	COVENTRY-LEICESTER MOTORWAY BH136	3975	8446	17.00	1971
129	COVENTRY-LEICESTER MOTORWAY BH137	3989	8472	20.00	1971
130	COVENTRY-LEICESTER MOTORWAY BH138	3985	8475	12.00	1971
131	COVENTRY-LEICESTER MOTORWAY BH139	3991	8477	14.00	1971
132	COVENTRY-LEICESTER MOTORWAY BH140	3988	8479	20.15	1971
133	COVENTRY-LEICESTER MOTORWAY BH141	3998	8496	10.00	1971
134	COVENTRY-LEICESTER MOTORWAY BH C	3984	8463	2.00	1971
135	COVENTRY-LEICESTER MOTORWAY BH B	3928	8370	2.00	1971
136	COVENTRY-LEICESTER MOTORWAY BH A	3915	8300	2.00	1971
137	BERKSWELL/DONNINGTON C.E.G.B. BH1	3666	8434	8.53	----
138	BERKSWELL/DONNINGTON C.E.G.B. BH2	3642	8436	9.30	----
139	BERKSWELL/DONNINGTON C.E.G.B. BH3	3614	8439	9.60	----
140	CATTHORPE-COLESHILL SECTION BH1168	3503	8477	12.19	1965
141	CATTHORPE-COLESHILL SECTION BH1169	3513	8470	9.91	1965
142	CATTHORPE-COLESHILL SECTION BH1170	3510	8467	15.24	1965
143	CATTHORPE-COLESHILL SECTION BH1171	3514	8468	11.28	1965
144	CATTHORPE-COLESHILL SECTION BH1171-1172	3513	8466	*	1965
145	CATTHORPE-COLESHILL SECTION BH1173	3519	8463	4.95	1965
146	CATTHORPE-COLESHILL SECTION BH1174-1179	352	846	*	1965
147	CATTHORPE-COLESHILL SECTION BH1180	3536	8448	12.19	1966
148	CATTHORPE-COLESHILL SECTION BH1181	3543	8443	11.13	1966
149	CATTHORPE-COLESHILL SECTION BH1181B	3545	8442	9.60	1966

BOREHOLE NUMBER SP38SE	BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
150	CATTHORPE-COLESHILL SECTION BH1182	3543	8439	15.24	1966
151	CATTHORPE-COLESHILL SECTION BH1183	3556	8433	12.19	1966
152	CATTHORPE-COLESHILL SECTION BH1184	3574	8420	18.29	1966
153	CATTHORPE-COLESHILL SECTION BH1185	3575	8416	12.19	1966
154	CATTHORPE-COLESHILL SECTION BH1186	3582	8415	12.19	1966
155	CATTHORPE-COLESHILL SECTION BH1187	3588	8408	12.19	1966
156	COOMBE ABBEY BH4	3994	8020	3.66	----
157	INGES OLD WORKS WARKS	3708	8261	127.86	1799
158	SOWE VALLEY SEWER 17A	3610	8210	9.14	1966
159	SOWE VALLEY SEWER 18A	3599	8230	12.12	1966
160	SOWE COMMON B.W.B.COVENTRY	3750	8310	100.00	1980
161	COVENTRY EASTERN BY-PASS BH41	38895	80330	4.00	1981
162	COVENTRY EASTERN BY-PASS BH42	38990	80657	11.00	1981
163	COVENTRY EASTERN BY-PASS BH43	39025	80810	6.00	1981
164	COVENTRY EASTERN BY-PASS BH44&44R	39130	81131	*	1981
165	COVENTRY EASTERN BY-PASS BH45	39244	81480	5.00	1981
166	COVENTRY EASTERN BY-PASS BH46	39263	81946	5.00	1981
167	COVENTRY EASTERN BY-PASS BH47&47E	39325	81962	*	1981
168	COVENTRY EASTERN BY-PASS BH48	39087	82111	3.30	1981
169	COVENTRY EASTERN BY-PASS BH49	38868	82199	6.25	1981
170	TOLDISH HALL	3718	8479	30.48	1950
171	COURTAULDS LITTLE HEATH NO.5	3554	8235	150.27	1948
172	CHURCH OF CHRIST & SAINTS 2	3817	8146	2.60	1980
173	CHURCH OF CHRIST & SAINTS 3	3815	8149	2.90	1980
174	CHURCH OF CHRIST & SAINTS 13	3823	8149	2.40	1980
175	HAWKSBURY SEWERAGE SCHEME 1	3603	8445	10.00	1982
176	HAWKSBURY SEWERAGE SCHEME 2	3601	8447	10.00	1982
177	HAWKSBURY SEWERAGE SCHEME 3	3597	8452	10.00	1982
178	HAWKSBURY SEWERAGE SCHEME 4	3601	8456	10.00	1982
179	HAWKSBURY SEWERAGE SCHEME 5	3607	8463	8.00	1982
180	HAWKSBURY SEWERAGE SCHEME 6	3608	8474	5.00	1982
181	HAWKSBURY SEWERAGE SCHEME 7	3605	8480	5.20	1982
182	HAWKSBURY SEWERAGE SCHEME 8	3591	8488	4.00	1982
183	HAWKSBURY SEWERAGE SCHEME 9	3580	8496	5.00	1982
184	HAWKSBURY SEWERAGE SCHEME 10	3578	8499	4.00	1982
185	N-S ROUTE RAILWAY 23	3505	8149	11.80	1984
186	N-S ROUTE RAILWAY 24	3507	8146	11.30	1984
187	N-S ROUTE RAILWAY 25	3509	8137	10.10	1984
188	N-S ROUTE RAILWAY 25A	3510	8131	20.30	1984
189	N-S ROUTE RAILWAY 26	3510	8126	9.90	1984
190	N-S ROUTE RAILWAY 27	3507	8107	7.60	1984
191	N-S ROUTE RAILWAY 28	3505	8096	7.10	1984
192	LYDNALL ROAD ESTATE 3	3504	8417	1.50	1967
193	LYDNALL ROAD ESTATE 8	3501	8408	2.60	1968
194	LYDNALL ROAD ESTATE 9	3503	8408	1.70	1968
195	DARTMOUTH SCHOOL 1	3673	8042	2.00	1973
196	DARTMOUTH SCHOOL 2	3668	8042	2.00	1973
197	DARTMOUTH SCHOOL 3	3670	8045	2.00	1973
198	DARTMOUTH SCHOOL 4	3667	8048	2.00	1973
199	DARTMOUTH SCHOOL 5	3670	8049	2.00	1973

BOREHOLE NUMBER SP38SE		BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
200		ALDERMANS GREEN DISUSED MINE SHAFT 653	3706	8291	----	----
201		ALDERMANS GREEN DISUSED MINE SHAFT 654	3710	8285	----	----
202		ALDERMANS GREEN DISUSED MINE SHAFT A	3676	8285	----	----
203		ALDERMANS GREEN DISUSED MINE SHAFT B	3681	8285	----	----
204		WYKEN COLLIERY NO.2 PIT	3697	8315	----	----
205		OLD CHURCH ROAD SCHOOL 1B	3502	8213	1.50	1964
206		OLD CHURCH ROAD SCHOOL 2B	3506	8212	1.70	1964
207		OLD CHURCH ROAD SCHOOL 3B	3504	8211	1.80	1964
208		OLD CHURCH ROAD SCHOOL 4B	3503	8209	1.70	1964
209		OLD CHURCH ROAD SCHOOL 5B	3505	8208	1.70	1964
210		OLD CHURCH ROAD SCHOOL 6B	3506	8207	1.70	1964
211		COURTAULDS WORK SITE 1	3505	8260	3.30	1983
212		COURTAULDS WORK SITE 2	3505	8268	4.10	1983
213		COURTAULDS WORK SITE 3	3500	8265	3.50	1983
214		COURTAULDS WORK SITE 4	3503	8262	3.30	1983
215		COURTAULDS WORK SITE 5	3502	8560	3.20	1983
216		COURTAULDS WORK SITE 6	3522	8251	2.90	1983
217		COURTAULDS WORK SITE 7	3521	8260	3.40	1983
218		COURTAULDS WORK SITE 8	3512	8266	3.90	1983
219		COURTAULDS WORK SITE 9	3516	8268	4.00	1983
220		COURTAULDS WORK SITE 10	3518	8266	4.00	1983
221		COURTAULDS WORK SITE 11	3518	8260	3.90	1983
222		COURTAULDS WORK SITE 12	3517	8256	3.90	1983
223		COURTAULDS WORK SITE 13	3512	8252	3.90	1983
224		COURTAULDS WORK SITE 14	3512	8258	3.70	1983
225		COURTAULDS WORK SITE 15	3520	8269	3.40	1983
226		CEGB LONGFORD 1	3655	8445	6.10	1961
227		CEGB LONGFORD 2	3648	8443	6.10	1961
228		CEGB LONGFORD 3	3659	8440	9.10	1961
229		CEGB LONGFORD 4	3651	8436	10.70	1961
230		CEGB LONGFORD 5	3648	8432	9.30	1961
231		CEGB LONGFORD 6	3656	8433	9.40	1961
232		CEGB LONGFORD 7	3663	8438	9.80	1961
233		GRANGE ROAD CANAL BRIDGE 1	3588	8439	5.40	1978
234		GRANGE ROAD CANAL BRIDGE 2	3588	8442	6.30	1978
235	c	S2534 COVENTRY POWER STATION CEGB 1	----	----	----	1972
236	c	S2534 COVENTRY POWER STATION CEGB 2	----	----	----	1972
237	c	S2534 COVENTRY POWER STATION CEGB 3	----	----	----	1972
238	c	S2534 COVENTRY POWER STATION CEGB 4	----	----	----	1972
239	c	S2534 COVENTRY POWER STATION CEGB 5	----	----	----	1972
240	c	S2534 COVENTRY POWER STATION CEGB 6	----	----	----	1972
241	c	S2534 COVENTRY POWER STATION CEGB 7	----	----	----	1972
242	c	S2534 COVENTRY POWER STATION CEGB 8	----	----	----	1972
243	c	S2534 COVENTRY POWER STATION CEGB 9	----	----	----	1972
244	c	S2534 COVENTRY POWER STATION CEGB 10	----	----	----	1972
245	c	S2534 COVENTRY POWER STATION CEGB 11	----	----	----	1972
246	c	S2534 COVENTRY POWER STATION CEGB 12	----	----	----	1972
247		WALSGRAVE HOSPITAL 9	3805	8039	9.10	1960
248		WALSGRAVE HOSPITAL 10	3805	8052	7.90	1960
249		WALSGRAVE HOSPITAL 11	3808	8046	12.20	1960

BOREHOLE NUMBER SP38SE		BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
250		WALSGRAVE HOSPITAL 12	3815	8046	9.10	1960
251		WALSGRAVE HOSPITAL 13	3814	8040	8.50	1960
252		MARDOL CLOSE 1	3655	8128	4.00	1964
253		MARDOL CLOSE 2	3651	8138	5.50	1964
254		BELLGREEN ROAD FLATS	353	816	*	1963
255	c	TOLDISH HALL TRAVERSE ONE 200	----	----	----	1945
256	c	TOLDISH HALL TRAVERSE ONE 400	----	----	----	1945
257	c	TOLDISH HALL TRAVERSE ONE 940	----	----	----	1945
258	c	TOLDISH HALL TRAVERSE ONE 1380	----	----	----	1945
259	c	TOLDISH HALL TRAVERSE ONE 1400	----	----	----	1945
260	c	TOLDISH HALL TRAVERSE ONE 1540	----	----	----	1945
261	c	TOLDISH HALL TRAVERSE ONE 1620	----	----	----	1945
262	c	TOLDISH HALL TRAVERSE ONE 1660	----	----	----	1945
263		LINGLEY FARM SCHOOL 1	3820	8014	2.10	1973
264		LINGLEY FARM SCHOOL 2	3820	8007	2.00	1973
265		LINGLEY FARM SCHOOL 3	3825	8008	2.50	1973
266		LINGLEY FARM SCHOOL 4	3824	8014	2.10	1973
267		BELLGREEN ESTATE NO.4. 1	3647	8216	7.60	1955
268		BELLGREEN ESTATE NO.4. 2	3645	8213	7.60	1955
269		BELLGREEN ESTATE NO.4. 3	3631	8228	2.10	1955
270		BELLGREEN ESTATE NO.4. 4	3624	8250	2.60	1955
271		BELLGREEN ESTATE NO.4. 5	3625	8267	3.20	1955
272		BELLGREEN ESTATE NO.4. 6	3635	8288	3.00	1955
273		BELLGREEN ESTATE NO.4. 7	3647	8294	2.40	1955
274		BELLGREEN ESTATE NO.4. 8	3630	8284	2.70	1955
275		BELLGREEN ESTATE NO.4. 9	3643	8291	3.00	1955
276		ALDERMANS GREEN AG1	3618	8384	8.00	1974
277		ALDERMANS GREEN AG2	3620	8395	6.70	1974
278		BELL GREEN FLATS 1	3598	8217	6.30	1957
279		BELL GREEN FLATS 2	3596	8217	6.10	1957
280		BELL GREEN FLATS 3	3597	8219	6.71	1957
281		BELL GREEN FLATS 1	3595	8225	4.90	1960
282		BELL GREEN FLATS 2	3593	8224	5.10	1960
283		BELL GREEN FLATS 3	3591	8223	4.90	1960
284		BELL GREEN FLATS 4	3590	8216	4.60	1960
285		BELL GREEN FLATS 5	3592	8214	5.80	1960
286		BELL GREEN FLATS 6	3598	8213	5.00	1960
287		BELL GREEN RESIDENTIAL DEVELOPEMENT 1	3598	8228	5.00	1962
288		BELL GREEN RESIDENTIAL DEVELOPEMENT 2	3600	8225	4.90	1962
289		BELL GREEN RESIDENTIAL DEVELOPEMENT 3	3603	8221	4.60	1962
290		HENLEY GREEN (BELL GREEN NO.5) 1	3685	8169	6.10	1955
291		HENLEY GREEN (BELL GREEN NO.5) 2	3686	8173	6.10	1955
292		HENLEY GREEN (BELL GREEN NO.5) 3	3690	8173	6.10	1955
293		HENLEY GREEN (BELL GREEN NO.5) 4	3963	8173	6.10	1955
294		HENLEY GREEN (BELL GREEN NO.5) 5	3695	8173	6.10	1955
295	c	WILSONS LANE HOTEL COVENTRY 1	----	----	----	1977
296		MIDLAND MOTERWAY LINK 184	3508	8469	10.67	1960
297		MIDLAND MOTERWAY LINK 185	3516	8462	10.67	1960
298		MIDLAND MOTERWAY LINK 186	3523	8456	10.67	1960
299		MIDLAND MOTERWAY LINK 188	3540	8442	9.14	1960

BOREHOLE NUMBER SP38SE	BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
300	MIDLAND MOTERWAY LINK 189	3565	8422	9.29	1960
301	MIDLAND MOTERWAY LINK 190	3627	8382	9.14	1960
302	MIDLAND MOTERWAY LINK 192	3744	8302	9.14	1960
303	MIDLAND MOTERWAY LINK 193	3772	8284	9.14	1960
304	MIDLAND MOTERWAY LINK 195	3884	8238	9.14	1960
305	MIDLAND MOTERWAY LINK 196	3934	8229	9.14	1960
306	PETROL STATION HINKLEY ROAD TRIAL PIT 1	3823	8146	2.90	1986
307	PETROL STATION HINKLEY ROAD TRIAL PIT 2	3821	8150	4.00	1986
308	PETROL STATION HINKLEY ROAD TRIAL PIT 3	3822	8149	2.80	1986
309	PETROL STATION HINKLEY ROAD TRIAL PIT 4	3824	8149	1.10	1986
310	PETROL STATION HINKLEY ROAD TRIAL PIT 5	3822	8152	1.60	1986
311	BINLEY COLLIERY NO.1	3745	8031	76.07	1900
312	PURCELL ROAD FLATS TRIAL PIT 2	3583	8171	2.00	----
313	PURCELL ROAD FLATS TRIAL PIT 4	3587	8174	1.90	----
314	PURCELL ROAD FLATS TRIAL PIT 3	3591	8176	1.80	----
315	PURCELL ROAD FLATS TRIAL PIT 1	3596	8177	----	----
316	PURCELL ROAD FLATS BOREHOLE 1	3595	8179	6.10	----
317	HAWKESBURY LANE STATION	3556	8489	73.90	----
318	HAWKESBURY PUMPING STATION	3623	8461	36.60	----
319	HAWKESBURY HALL IRONSTONE FIELD NO.2 PIT	3653	8469	158.10	----
320	LONGFORD,COVENTRY ELECTRICITY DEPT.	3624	8425	122.26	----
321	ROSEBURY AVENUE BELL GREEN 1B	36000	82080	1.80	1955
322	ROSEBURY AVENUE BELL GREEN 2B	36055	82120	1.50	1955
323	ROSEBURY AVENUE BELL GREEN 3B	36072	82165	1.37	1955
324	ROSEBURY AVENUE BELL GREEN 4B	36075	82280	1.60	1955
325	ROSEBURY AVENUE BELL GREEN 5B	36070	82300	1.52	1955
326	ROSEBURY AVENUE BELL GREEN 6B	36044	82353	1.83	1955
327	ROSEBURY AVENUE BELL GREEN 7B	35970	82375	1.68	1955
328	ROSEBURY AVENUE BELL GREEN 9B	35852	82361	2.60	1955
329	ROSEBURY AVENUE NURSERY BELL GREEN 1	36020	82390	1.83	1963
330	ROSEBURY AVENUE NURSERY BELL GREEN 2	36040	82370	1.52	1963
331	ROSEBURY AVENUE NURSERY BELL GREEN 3	36020	82365	1.52	1963
332	ROSEBURY AVENUE NURSERY BELL GREEN 4	36005	82360	1.52	1963
333	ROSEBURY AVENUE FLATS BELL GREEN A	35943	82109	4.42	1965
334	ROSEBURY AVENUE FLATS BELL GREEN B	36034	82112	4.27	1965
335	ROSEBURY AVENUE FLATS BELL GREEN C	35992	82165	11.89	1965
336	SAMUEL HAYWOOD HO.ROSEBURY AVENUE 1	35992	82126	2.43	1965
337	SAMUEL HAYWOOD HO.ROSEBURY AVENUE 2	36009	82140	1.68	1965
338	SAMUEL HAYWOOD HO.ROSEBURY AVENUE 3	36026	82153	2.74	1965
339	SAMUEL HAYWOOD HO.ROSEBURY AVENUE 4	36045	82170	2.13	1965
340	SPORTS GROUND NUFFIELD ROAD TP1	3528	8136	0.50	1985
341	SPORTS GROUND NUFFIELD ROAD TP2	3528	8133	2.30	1985
342	SPORTS GROUND NUFFIELD ROAD TP3	3528	8130	3.40	1985
343	SPORTS GROUND NUFFIELD ROAD TP4	3526	8130	2.60	1985
344	SPORTS GROUND NUFFIELD ROAD TP5	3526	8133	2.25	1985
345	SPORTS GROUND NUFFIELD ROAD TP6	3526	8136	3.20	1985
346	BODMIN RD. WALSGRAVE ON SOWE BH1	3756	8020	6.00	1978
347	BODMIN RD. WALSGRAVE ON SOWE BH2	3760	8021	5.00	1978
348	BODMIN RD. WALSGRAVE ON SOWE BH3	3759	8019	4.00	1978
349	BODMIN RD. WALSGRAVE ON SOWE BH4	3756	8018	5.00	1978

BOREHOLE NUMBER SP38SE	BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
350	BODMIN RD. WALSGRAVE ON SOWE BH5	3760	8018	6.00	1978
351	BODMIN RD. WALSGRAVE ON SOWE BH6	3757	8016	5.00	1978
352	BODMIN RD. WALSGRAVE ON SOWE BH7	3760	8016	5.00	1978
353	BODMIN RD. WALSGRAVE ON SOWE BH8	3764	8018	10.00	1978
354	BODMIN RD. WALSGRAVE ON SOWE BH9	3758	8011	10.00	1978
355	BODMIN RD. WALSGRAVE ON SOWE BH10	3761	8011	5.00	1978
356	BODMIN RD. WALSGRAVE ON SOWE BH11	3765	8011	7.00	1978
357	WINDMILL RD.RECREATION RD. HALL GREEN 1	3514	8308	2.90	1984
358	WINDMILL RD.RECREATION RD. HALL GREEN 2	3515	8308	3.05	1984
359	WINDMILL RD.RECREATION RD. HALL GREEN 3	3514	8310	3.00	1984
360	WINDMILL RD.RECREATION RD. HALL GREEN 4	3515	8311	3.00	1984
361	WINDMILL RD.RECREATION RD. HALL GREEN 5	3516	8310	3.00	1984
362	WOODWAY LANE POTTERS GREEN 1	37615	82315	2.00	1972
363	WOODWAY LANE POTTERS GREEN 2	37615	82280	1.70	1972
364	WOODWAY LANE POTTERS GREEN 3	37615	82245	1.90	1972
365	WOODWAY LANE POTTERS GREEN 4	37645	82315	1.90	1972
366	WOODWAY LANE POTTERS GREEN 5	37645	82280	2.10	1972
367	WOODWAY LANE POTTERS GREEN 6	37645	82245	1.90	1972
368	WOODWAY LANE POTTERS GREEN 7	37665	82280	2.00	1972
369	WOODWAY LANE POTTERS GREEN 8	37665	82245	2.10	1972
370	WOODWAY LANE POTTERS GREEN 9	37600	82212	2.00	1973
371	WOODWAY LANE POTTERS GREEN 10	37635	82210	1.90	1973
372	WOODWAY LANE POTTERS GREEN 11	37597	82177	1.90	1973
373	WOODWAY LANE POTTERS GREEN 12	37632	82175	2.00	1973
374	LONGFORD PARK SCHOOL WINDMILL ROAD 1	35069	83089	1.10	1974
375	CARADOC CLOSE HENLEY GREEN 1	3700	8121	7.31	1966
376	CARADOC CLOSE HENLEY GREEN 2	3699	8121	6.63	1966
377	CARADOC CLOSE HENLEY GREEN 3	3700	8224	6.71	1966
378	CARADOC CLOSE HENLEY GREEN 4	3699	8224	9.14	1966
379	WOODWAY PARK SCHOOL POTTERS GREEN 1	37640	82520	1.37	1966
380	WOODWAY PARK SCHOOL POTTERS GREEN 2	37700	82520	1.68	1966
381	WOODWAY PARK SCHOOL POTTERS GREEN 3	37760	82460	1.68	1966
382	WOODWAY PARK SCHOOL POTTERS GREEN 4	37640	82460	1.37	1966
383	WOODWAY PARK SCHOOL POTTERS GREEN 5	37700	82460	1.37	1966
384	WOODWAY PARK SCHOOL POTTERS GREEN 6	37760	82460	1.68	1966
385	WOODWAY PARK SCHOOL POTTERS GREEN 7	37640	82400	1.60	1966
386	WOODWAY PARK SCHOOL POTTERS GREEN 8	37700	82400	1.68	1966
387	WOODWAY PARK SCHOOL POTTERS GREEN 9	37760	82400	1.68	1966
388	WOODWAY CL.WOODWAY WALK 1	37453	81480	1.98	1964
389	WOODWAY CL.WOODWAY WALK 2	37495	81490	2.13	1964
390	WOODWAY CL.WOODWAY WALK 3	37555	81500	1.90	1964
391	WOODWAY CL.WOODWAY WALK 4	37440	81530	1.60	1964
392	WOODWAY CL.WOODWAY WALK 5	37495	81550	1.67	1964
393	WOODWAY CL.WOODWAY WALK 6	37592	81535	1.60	1964
394	WOODWAY CL.WOODWAY WALK 7	37430	81567	1.60	1964
395	WOODWAY CL.WOODWAY WALK 8	37555	81590	1.90	1964
396	WOODWAY CL.WOODWAY WALK 9	37420	81625	1.52	1964
397	WOODWAY CL.WOODWAY WALK 10	37495	81630	1.83	1964
398	WOODWAY CL.WOODWAY WALK 11	37555	81636	1.68	1964
399	WOODWAY CL.WOODWAY WALK 12	37555	81670	1.52	1964

BOREHOLE NUMBER SP38SE	BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
400	DEEDMORE RD.HENLEY RD.SCHOOL 1	36375	81800	3.20	1963
401	DEEDMORE RD.HENLEY RD.SCHOOL 2	36375	81815	3.05	1963
402	WYKEN CROFT NURSERY SCHOOL 1	37130	80360	1.52	1957
403	ELLACOMBE RD.HENLEY GREEN 1	36830	81580	1.52	1954
404	ST.PATRICKS.R.C.SCHOOL DEEDMORE RD. 1	36930	82224	3.20	1975
405	WOOD END NURSERY SCHOOL DEEDMORE RD. 1C	36650	82140	1.68	1959
406	EBURN PRIMARY SCHOOL DEEDMORE RD.1	36979	82584	1.83	1967
407	EBURN PRIMARY SCHOOL DEEDMORE RD.2	36965	82556	2.74	1967
408	EBURN PRIMARY SCHOOL DEEDMORE RD.3	36964	82595	2.21	1967
409	EBURN PRIMARY SCHOOL DEEDMORE RD.4	36959	82579	1.52	1967
410	EBURN PRIMARY SCHOOL DEEDMORE RD.5	36953	82563	1.83	1967
411	EBURN PRIMARY SCHOOL DEEDMORE RD.6	36950	82598	2.13	1967
412	EBURN PRIMARY SCHOOL DEEDMORE RD.7	36937	82572	1.98	1967
413	ALDERMANS GREEN PRIMARY SCHOOL 1	36840	82425	1.68	1957
414	BELL GREEN TECH.COLLEGE HENLEY MILL LN.1	36260	81770	2.20	1961
415	BELL GREEN TECH.COLLEGE HENLEY MILL LN.2	36200	81780	1.20	1961
416	BELL GREEN TECH.COLLEGE HENLEY MILL LN.3	36150	81805	1.47	1961
417	BELL GREEN TECH.COLLEGE HENLEY MILL LN.4	36125	81760	1.37	1961
418	BELL GREEN TECH.COLLEGE HENLEY MILL LN.5	36170	81735	1.52	1961
419	BELL GREEN TECH.COLLEGE HENLEY MILL LN.6	36240	81700	1.37	1961
420	BELL GREEN TECH.COLLEGE HENLEY MILL LN.7	36194	81665	2.10	1976
421	BELL GREEN TECH.COLLEGE HENLEY MILL LN.8	36157	81635	2.00	1976
422	BELL GREEN TECH.COLLEGE HENLEY MILL LN.9	36196	81617	2.00	1976
423	FOXFORD SCHOOL.GRANGE RD.FOXFORD 1	35600	84055	1.22	1958
424	FOXFORD SCHOOL.GRANGE RD.FOXFORD 3	35500	84000	2.89	1958
425	FOXFORD SCHOOL.GRANGE RD.FOXFORD 4	35480	84018	3.50	1958
426	FOXFORD SCHOOL.GRANGE RD.FOXFORD 5	35460	84000	1.52	1958
427	FOXFORD SCHOOL.GRANGE RD.FOXFORD 6	35561	83976	2.74	1958
428	FOXFORD SCHOOL.GRANGE RD.FOXFORD 1	35605	84055	1.83	1954
429	FOXFORD SCHOOL.GRANGE RD.FOXFORD 2	35566	83982	1.68	1954
430	FOXFORD SCHOOL.GRANGE RD.FOXFORD 3	35484	83952	1.52	1954
431	FOXFORD SCHOOL.GRANGE RD.FOXFORD 4	35495	84020	1.52	1954
432	HENLEY RD.HOUSING 1	36037	82077	2.20	1973
433	HENLEY RD.HOUSING 2	36093	82125	3.00	1973
434	STOKE HEATH GARDENS.VALLEY RD.1A	35595	80700	3.00	1978
435	STOKE HEATH GARDENS.VALLEY RD.2A	35675	80625	3.00	1978
436	STOKE HEATH GARDENS.VALLEY RD.3A	35746	80700	3.00	1978
437	ANNIE OSBOURNE SCHOOL.HENLEY RD.9B	3680	8135	1.68	1956
438	ANNIE OSBOURNE SCHOOL.HENLEY RD.1B	3682	8137	1.45	1956
439	ANNIE OSBOURNE SCHOOL.HENLEY RD.2B	3680	8137	1.83	1956
440	ANNIE OSBOURNE SCHOOL.HENLEY RD.3B	3676	8136	1.22	1956
441	ANNIE OSBOURNE SCHOOL.HENLEY RD.4B	3678	8138	1.22	1956
442	ANNIE OSBOURNE SCHOOL.HENLEY RD.5B	3678	8136	1.22	1956
443	ANNIE OSBOURNE SCHOOL.HENLEY RD.8B	3680	8138	1.60	1956
444	ANNIE OSBOURNE SCHOOL.HENLEY RD.1	36795	81365	1.83	1964
445	ANNIE OSBOURNE SCHOOL.HENLEY RD.2	36795	81385	2.74	1964
446	ANNIE OSBOURNE SCHOOL.HENLEY RD.3	36805	81390	1.83	1964
447	ANNIE OSBOURNE SCHOOL.HENLEY RD.4	36830	81385	1.75	1964
448	ANNIE OSBOURNE SCHOOL.HENLEY RD.5	36850	81375	1.83	1964
449	ANNIE OSBOURNE SCHOOL.HENLEY RD.6	36865	81360	1.83	1964

BOREHOLE NUMBER SP38SE	BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
450	ANNIE OSBOURNE SCHOOL.HENLEY RD.1A	3675	8131	2.44	1956
451	ANNIE OSBOURNE SCHOOL.HENLEY RD.2A	3681	8131	2.29	1956
452	ANNIE OSBOURNE SCHOOL.HENLEY RD.3A	3689	8127	2.44	1956
453	ANNIE OSBOURNE SCHOOL.HENLEY RD.4A	3675	8127	2.44	1956
454	ANNIE OSBOURNE SCHOOL.HENLEY RD.5A	3681	8127	2.29	1956
455	ANNIE OSBOURNE SCHOOL.HENLEY RD.6A	3688	8131	2.44	1956
456	TACKFORD BRIDGE HENLEY RD.1A	36115	81855	2.13	1958
457	POTTERS GREEN J.SCHOOL.RINGWOOD H'WAY 1A	37435	82650	2.29	1963
458	POTTERS GREEN J.SCHOOL.RINGWOOD H'WAY 2A	37435	82627	2.29	1963
459	POTTERS GREEN J.SCHOOL.RINGWOOD H'WAY 3A	37450	82646	2.29	1963
460	POTTERS GREEN J.SCHOOL.RINGWOOD H'WAY 4A	37480	82603	2.13	1963
461	POTTERS GREEN J.SCHOOL.RINGWOOD H'WAY 5A	37482	82622	2.21	1963
462	PROFFIT AVE.CULVERT FOLESHILL 1	35300	82065	2.44	1952
463	MILES MEADOW FOLESHILL 1	35876	82036	1.83	1961
464	MILES MEADOW FOLESHILL 2	35891	82049	1.68	1961
465	MILES MEADOW FOLESHILL 3	35891	82068	1.68	1961
466	MILES MEADOW FOLESHILL 4	35804	82083	1.83	1961
467	MILES MEADOW FOLESHILL 5	35843	82015	1.98	1961
468	MILES MEADOW FOLESHILL 6	35864	82060	1.68	1961
469	MILES MEADOW FOLESHILL 7	35871	82070	1.90	1961
470	MILES MEADOW FOLESHILL 8	35836	82028	1.52	1961
471	MILES MEADOW FOLESHILL 9	35831	82039	1.83	1961
472	MARDEL CLOSE.WYKEN CROFT 1F	36545	81265	3.96	1964
473	MARDEL CLOSE.WYKEN CROFT 2F	36530	81365	5.49	1964
474	HERMES CRESCENT.MANOR FARM 6	36941	81000	1.29	1966
475	HERMES CRESCENT.MANOR FARM 7	36921	80979	1.37	1966
476	HILLMORTON ROAD 2	3652	8237	2.80	1979
477	HILLMORTON ROAD 3	3652	8237	3.00	1979
478	HILLMORTON ROAD 4	3652	8237	3.00	1979
479	HILLMORTON ROAD 5	3652	8237	3.00	1979
480	HILLMORTON ROAD 7	3652	8237	2.80	1979
481	HILLMORTON ROAD 8	3652	8237	2.80	1979
482	JACKERS ROAD 1	35715	83905	3.00	1976
483	JACKERS ROAD 2	35790	83859	2.70	1976
484	JACKERS ROAD 3	35882	83810	2.70	1976
485	JACKERS ROAD 4	35963	83765	2.80	1976
486	JACKERS ROAD 5	35640	83749	2.00	1976
487	JACKERS ROAD 6	35710	83724	2.60	1976
488	JACKERS ROAD 7	35815	83680	2.70	1976
489	JACKERS ROAD 8	35885	83651	2.50	1976
490	JACKERS ROAD 1	35841	83825	2.50	1981
491	JACKERS ROAD 2	35815	83788	2.00	1981
492	JACKERS ROAD 3	35883	83805	2.60	1981
493	JACKERS ROAD 4	35795	83755	2.60	1981
494	JACKERS ROAD 5	35830	83760	2.70	1981
495	JACKERS ROAD 6	35876	83768	2.00	1981
496	JACKERS ROAD 7	35915	83768	2.20	1981
497	JACKERS ROAD 8	35850	83725	2.90	1981
498	JACKERS ROAD 9	35815	83710	2.60	1981
499	JACKERS ROAD 10	35886	83725	3.00	1981

BOREHOLE NUMBER SP38SE	BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
500	JACKERS ROAD 11	35918	83737	3.00	1981
501	HENLEY RD.LOGAN RD.HENLEY GREEN 1	37090	81410	1.52	1961
502	HENLEY RD.LOGAN RD.HENLEY GREEN 2	37090	81375	1.60	1961
503	HENLEY RD.LOGAN RD.HENLEY GREEN 3	37060	81345	1.52	1961
504	HENLEY RD.LOGAN RD.HENLEY GREEN 4	37090	81345	1.68	1961
505	HENLEY RD.LOGAN RD.HENLEY GREEN 5	37040	81385	1.37	1961
506	HENLEY RD.LOGAN RD.HENLEY GREEN 6	37040	81415	1.45	1961
507	HENLEY RD.LOGAN RD.HENLEY GREEN 7	37005	81417	1.52	1961
508	HENLEY RD.LOGAN RD.HENLEY GREEN 8	37005	81375	1.52	1961
509	HENLEY RD.BELL GREEN 3	36100	82058	2.30	1973
510	HENLEY RD.BELL GREEN 4	36116	82085	2.40	1973
511	HENLEY RD.BELL GREEN 5	36132	82050	2.40	1973
512	HURST RD.LONGFORD PARK 1	35222	83605	2.50	1973
513	HURST RD.LONGFORD PARK 2	35225	83654	2.40	1973
514	HURST RD.LONGFORD PARK 3	35211	83697	2.20	1973
515	HURST RD.LONGFORD PARK 4	35175	83667	2.10	1973
516	HURST RD.LONGFORD PARK 5	35128	83678	2.70	1973
517	HURST RD.LONGFORD PARK 6	35117	83525	2.70	1973
518	HURST RD.LONGFORD PARK 7	35165	83615	2.00	1973
519	HURST RD.LONGFORD PARK 8	35153	83567	2.10	1973
520	HURST RD.LONGFORD PARK 9	35222	83555	2.40	1973
521	HEALTH CENTRE ROSEBURY AVENUE 1	35999	82305	1.40	1973
522	HEALTH CENTRE ROSEBURY AVENUE 2	35993	82325	2.70	1973
523	HEALTH CENTRE ROSEBURY AVENUE 3	36025	82320	2.70	1973
524	HEALTH CENTRE ROSEBURY AVENUE 4	36010	82332	2.40	1973
525	HEALTH CENTRE ROSEBURY AVENUE 5	35997	82340	2.70	1973
526	HEALTH CENTRE ROSEBURY AVENUE 6	35997	82355	2.20	1979
527	HEALTH CENTRE ROSEBURY AVENUE B1	36023	82327	2.50	1979
528	HEALTH CENTRE ROSEBURY AVENUE B2	36007	82334	2.50	1979
529	HEALTH CENTRE ROSEBURY AVENUE B3	36007	82345	2.50	1979
530	HEALTH CENTRE ROSEBURY AVENUE B4	36013	82351	2.50	1979
531	HEALTH CENTRE ROSEBURY AVENUE B5	36000	82345	3.15	1979
532	RIVER SOWE BRIDGE ROSEBURY AVE.1A	36019	82457	1.98	1957
533	RIVER SOWE BRIDGE ROSEBURY AVE.2A	36028	82452	1.68	1957
534	HERMES CRESCENT HENLEY GREEN 1	37203	81290	3.00	1979
535	HERMES CRESCENT HENLEY GREEN 2	37203	81247	3.50	1979
536	HERMES CRESCENT HENLEY GREEN 3	37210	81215	3.00	1979
537	HERMES CRESCENT WYKEN 4	37223	81187	3.50	1979
538	HERMES CRESCENT WYKEN 5	37214	81167	3.00	1979
539	HERMES CRESCENT WYKEN 6	37225	81123	3.00	1979
540	HERMES CRESCENT WYKEN 7	37246	81100	3.00	1979
541	CARADOC CLOSE MANOR FARM 1G	37045	81300	1.98	1964
542	CARADOC CLOSE MANOR FARM 2G	37129	81300	2.44	1964
543	CARADOC CLOSE MANOR FARM 3G	37145	81300	2.06	1964
544	CARADOC CLOSE MANOR FARM 4G	36800	81200	1.68	1964
545	CARADOC CLOSE MANOR FARM 5G	36890	81200	1.83	1964
546	CARADOC CLOSE MANOR FARM 6G	36986	81200	1.90	1964
547	CARADOC CLOSE MANOR FARM 7G	37073	81200	1.83	1964
548	CARADOC CLOSE MANOR FARM 8G	37107	81200	1.98	1964
549	CARADOC CLOSE MANOR FARM 9G	36800	81100	1.90	1964

BOREHOLE NUMBER SP38SE	BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
550	CARADOC CLOSE MANOR FARM 10G	36890	81100	1.90	1964
551	CARADOC CLOSE MANOR FARM 11G	36986	81100	1.75	1964
552	CARADOC CLOSE MANOR FARM 12G	37073	81100	1.83	1964
553	CARADOC CLOSE MANOR FARM 13G	37169	81100	1.37	1964
554	CARADOC CLOSE MANOR FARM 14G	37229	81100	1.90	1964
555	CARADOC CLOSE MANOR FARM 15G	36729	81077	1.68	1964
556	CARADOC CLOSE MANOR FARM 16G	36800	81010	1.68	1964
557	CARADOC CLOSE MANOR FARM 17G	36905	81010	1.98	1964
558	CARADOC CLOSE MANOR FARM 18G	37000	81010	1.68	1964
559	CARADOC CLOSE MANOR FARM 19G	37100	81010	1.68	1964
560	CARADOC CLOSE MANOR FARM 20G	37200	81010	1.83	1964
561	CARADOC CLOSE MANOR FARM 1H	36996	81183	2.06	1966
562	CARADOC CLOSE MANOR FARM 2H	36966	81224	3.35	1966
563	CARADOC CLOSE MANOR FARM 3H	36934	81230	2.13	1966
564	CARADOC CLOSE MANOR FARM 6H	37000	81230	2.74	1966
565	CARADOC CLOSE MANOR FARM 7H	37018	81252	1.68	1966
566	CARADOC CLOSE MANOR FARM 8H	37040	81282	1.52	1966
567	CARADOC CLOSE MANOR FARM 9H	37005	81294	1.68	1966
568	CARADOC CLOSE MANOR FARM 10H	36939	81274	3.66	1966
569	CARADOC CLOSE MANOR FARM 11H	37022	81300	1.52	1966
570	CARADOC CLOSE MANOR FARM 14H	37042	81320	1.68	1966
571	CORINTHIAN PLACE MANOR FARM 1	36855	81000	1.52	1966
572	CORINTHIAN PLACE MANOR FARM 2	36890	81020	1.52	1966
573	CORINTHIAN PLACE MANOR FARM 3	36901	80997	1.83	1966
574	CORINTHIAN PLACE MANOR FARM 4	36956	81000	1.68	1966
575	CORINTHIAN PLACE MANOR FARM 5	36966	81000	1.60	1966
576	CORINTHIAN PLACE MANOR FARM 8	36839	81022	2.51	1966
577	CORINTHIAN PLACE MANOR FARM 9	36852	81013	2.13	1966
578	CORINTHIAN PLACE MANOR FARM 10	36840	81043	1.83	1966
579	CORINTHIAN PLACE MANOR FARM 11	36886	81019	1.37	1966
580	CORINTHIAN PLACE MANOR FARM 12	36856	81034	1.52	1966
581	CORINTHIAN PLACE MANOR FARM 13	36886	81019	1.52	1966
582	CORINTHIAN PLACE MANOR FARM 14	36868	81003	1.83	1966
583	CORINTHIAN PLACE MANOR FARM 15	36856	81022	1.52	1966
584	WALSGRAVE PRIMARY SCHOOL TP1	38090	80890	1.52	1960
585	WALSGRAVE PRIMARY SCHOOL 1	38075	80940	1.98	1966
586	WALSGRAVE PRIMARY SCHOOL 2	38100	80990	1.98	1966
587	WALSGRAVE PRIMARY SCHOOL 3	38110	80885	2.59	1966
588	WALSGRAVE PRIMARY SCHOOL 4	38120	80915	1.68	1966
589	WALSGRAVE PRIMARY SCHOOL 5	38130	80940	1.68	1966
590	WALSGRAVE PRIMARY SCHOOL 6	38162	80860	1.68	1966
591	WALSGRAVE PRIMARY SCHOOL 7	38182	80910	1.68	1966
592	VALLEY RD.STOKE HEATH 1	35371	80420	1.52	1966
593	VALLEY RD.STOKE HEATH 2	35403	80415	1.52	1966
594	VALLEY RD.STOKE HEATH 3	35435	80415	1.52	1966
595	VALLEY RD.STOKE HEATH 4	35430	80388	1.52	1966
596	VALLEY RD.HOUSING STOKE HEATH 1	35610	80780	2.30	1975
597	VALLEY RD.HOUSING STOKE HEATH 2	35633	80777	2.50	1975
598	VALLEY RD.HOUSING STOKE HEATH 3	35590	80676	2.10	1975
599	VALLEY RD.HOUSING STOKE HEATH 4	35618	80668	2.20	1975

BOREHOLE NUMBER SP38SE	BOREHOLE NAME	GRID REF. EAST	NORTH	DEPTH (m)	DATE
600	VALLEY RD.HOUSING STOKE HEATH 5	35635	80625	2.40	1975
601	VALLEY RD.HOUSING STOKE HEATH 6	35656	80734	2.40	1975
602	VALLEY RD.HOUSING STOKE HEATH 7	35693	80607	2.60	1975
603	VALLEY RD.HOUSING STOKE HEATH 8	35733	80703	2.60	1975
604	VALLEY RD.HOUSING STOKE HEATH 9	35773	80670	2.60	1975
605	HALL GREEN ROAD 1	35850	82325	1.45	1962
606	CLIFFORD BRIDGE B1	3761	8079	35.00	1987

Original diagram
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WA/88/51 OBRIDGE

Plate II.a. Volcaniclastic (?) mudstone with root stems: Etruria Formation, Weston Hill Farm Borehole.

b. Red pebbly diamict (Thrussington Till), Weston Hill Farm Borehole.