PART 3: PROPOSALS FOR SITE MANAGEMENT & PRESENTATION

1. THE PRESENT CONDITION OF THE SITE AND ITS ADMINISTRATIVE STATUS

The area of archaeological concern at Sutton Hoo is currently partitioned between two landowners, and exploited in a number of different ways (Figs. 5 and 6). A central area was scheduled in 1949 and the boundary revised and extended in 1975 (Fig. 8). However it would be fair to say that this scheduling of the site has provided insufficient protection. About 200 holes have been dug into the scheduled area in recent times both by the army and (presumably) by metal-detector users, and the bracken and rabbits have destroyed much of the shallower stratigraphy. Owing to the fact that it was unmarked, the scheduled area has also been invaded by planted or self-propagated trees to the N and W and by cultivation to the S and E. Although ploughing has not been so destructive as was feared, there is some anxiety about the accelerating decay of finds and features below ground due to chemical farming. There are no management agreements or restrictions of any kind in force outside the scheduled area. There are no management agreements operating inside the scheduled area either, the upkeep and protection of which has fallen to the Sutton Hoo Research Trust. The Ancient Monuments Board in 1983 did agree the provision of a fence, so that the inner scheduled area could be clearly bounded. The fence was designed and put out to tender, but has not been erected while site operations are in progress. Scheduled Monument Consent was obtained by the Trust in September 1983 for all activities listed in Phase 1 of the Research Design (Carver 1983; 3).

Zones A, B, C and E are in the ownership of Mrs Tranmer, whose trustees are willing to give at least part of this area to the nation in exchange for relief from estate duty, due on the death of Mr Leslie Tranmer. Under the precedent set by the 1939 inquest, all finds from barrows are likely to be held to be the property of the landowner, not Treasure Trove, and it is likely that this ruling will extend to all finds from all periods and contexts from the site, except in the case of a proven hoard. However, within the area shown on Fig. 39, the ownership of the 'finds', and the right to excavate them, was retained by the Trustees of the Pretty family when they sold Sutton Hoo House, and delegated to the British Museum. Subsequent landowners, including Mrs. Tranmer, have accepted this covenant. The rights to excavate include a right of vehicular access which runs between the points marked C and D on Fig. 39. In practice, it is at present difficult to turn a vehicle off the road at the point C, the present official access to the site.

The owner of Zones D and F is the Sun Alliance Assurance Company, whose daughter-company, Property Growth Assurance, holds the land as part of its agricultural portfolio. The tenant is Colin Walker of Blomvyle Hall who farms the fields in question in partnership with Peter Waring of Fir Tree farm, Bloxhall. The scheduled area extends into this land. The present owners have agreed additional access through their land, for public and excavators alike, along a route which is presently renegotiated each year.

Since 1983, the protection and upkeep of the site as a monument and arrangements for visitors at all periods of the year have been managed by the staff of the Sutton Hoo Research Trust, and subsequently by the voluntary Sutton Hoo Society, now presided over by the Duke of Edinburgh. They have conducted running negotiations with both landowners and residents to attempt to reconcile the different demands of the project and its public with amenity of the area. These negotiations have depended entirely on persuasion, assurance and goodwill.

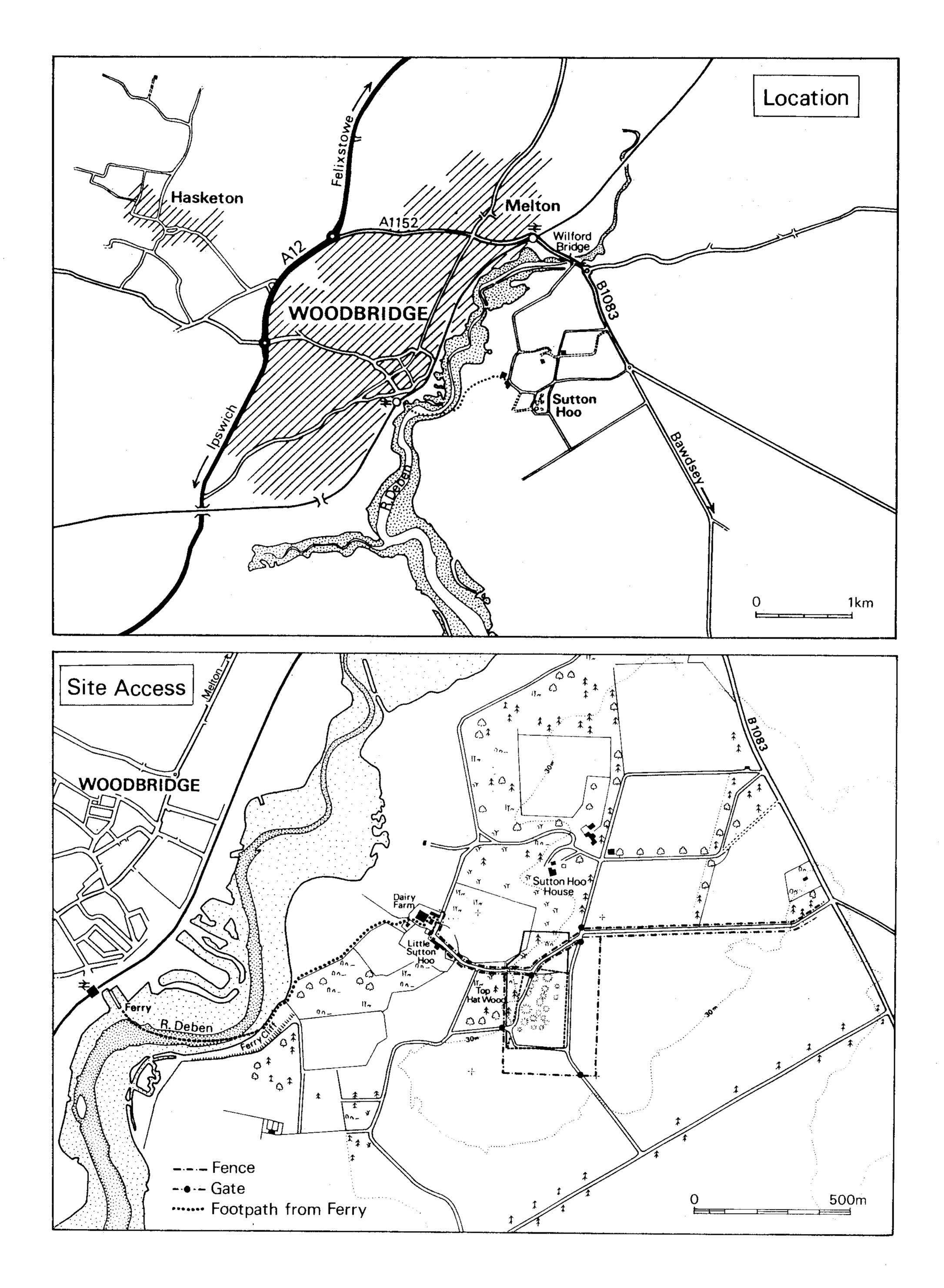


Fig. 40: Proposed public access to the Sutton Hoo site (Carver/Hooper)

2. PROPOSALS FOR THE MANAGEMENT OF SUTTON HOO. (Figs. 39, 40; Table 13)

It will be clear from the account given below that Sutton Hoo urgently requires a management plan, which should be put into operation whether subsequent excavation takes place of not. The framework of such a management plan might be as follows:

A. PROTECTION FROM FURTHER DAMAGE

An area 300m by 300m, consisting of Zone A and 100m wide perimeter strip around it, should be defined as the *monument*. This includes the nucleus of the prehistoric site and the predicted extent of the early medieval cemetery (Fig. 22). The trees and bushes should be removed from this area (Zones B and C) and all zones returned to grassland. The green site should then be carefully looked after, particularly to ensure that bracken and rabbits do not return. The extent of the protected area should be marked with a wooden rail and reinforced plastic netting fence equipped with a lockable farm gate and wicket gates (Fig. 40).

B. ACCESS

The public will wish to visit Sutton Hoo whether or not it is promoted. It is already too famous to leave its welfare to a supposed band of infrequent and respectable pilgrims. It is better to provide access than allow the public to make their own, and risk annoyance to adjacent residents and farmers. The components of such access must be a safe turning off the road (B1083), a car park and a footpath. The latter exists, a public footpath following the official access route, passing by the site and connecting the main road with the River Deben, at which point the Sutton Hoo Society has already established a ferry. An essential additional component is a viable track along the official right of access, connecting the car park with the site, for the transport of elderly or infirm visitors, as well as for plant required for the site's upkeep.

C. ADMINISTRATIVE STRUCTURE

It is doubtful whether these provisions could be achieved in any other way but by state ownership. The complexity of the present ownership, the vulnerability of the site and its importance for the heritage of Europe, can only be resolved by taking into care the area of archaeological concern and the access to it. The needs of presentation (see below) suggest that additional property and the western access should be acquired at the same time (see Fig. 39).

At this point there is inevitable apprehension that the site might become a burden to the state or its agency. This can be answered simply. The Sutton Hoo Society, a voluntary organisation and a registered charity, already cares for the greater part of the site free of charge. It has already acquired sufficient resources to do this from its membership, from sponsorhsip, and from visitors to the site, without, be it said, promotion of any kind. Any future owner can therefore be assured that his investment will be protected without undue or unexpected expenditure on upkeep, by reaching accommodation with the Sutton Hoo Society.

3. PROPOSALS FOR THE PRESENTATION OF SUTTON HOO. (Figs. 40-42; Tables 13, 14)

A. POTENTIAL FOR PRESENTATION

The framework sketched in the section above for the management of the site does not assume that there will be any presentation or further research at Sutton Hoo. The potential for properly designed presentation and research work at Sutton Hoo is, however, quite exceptional, and will bring enduring and widely distributed benefits. Public interest in Sutton Hoo is already high. The finds from the 1939 excavation form one of the principal attractions of the British Museum. Before

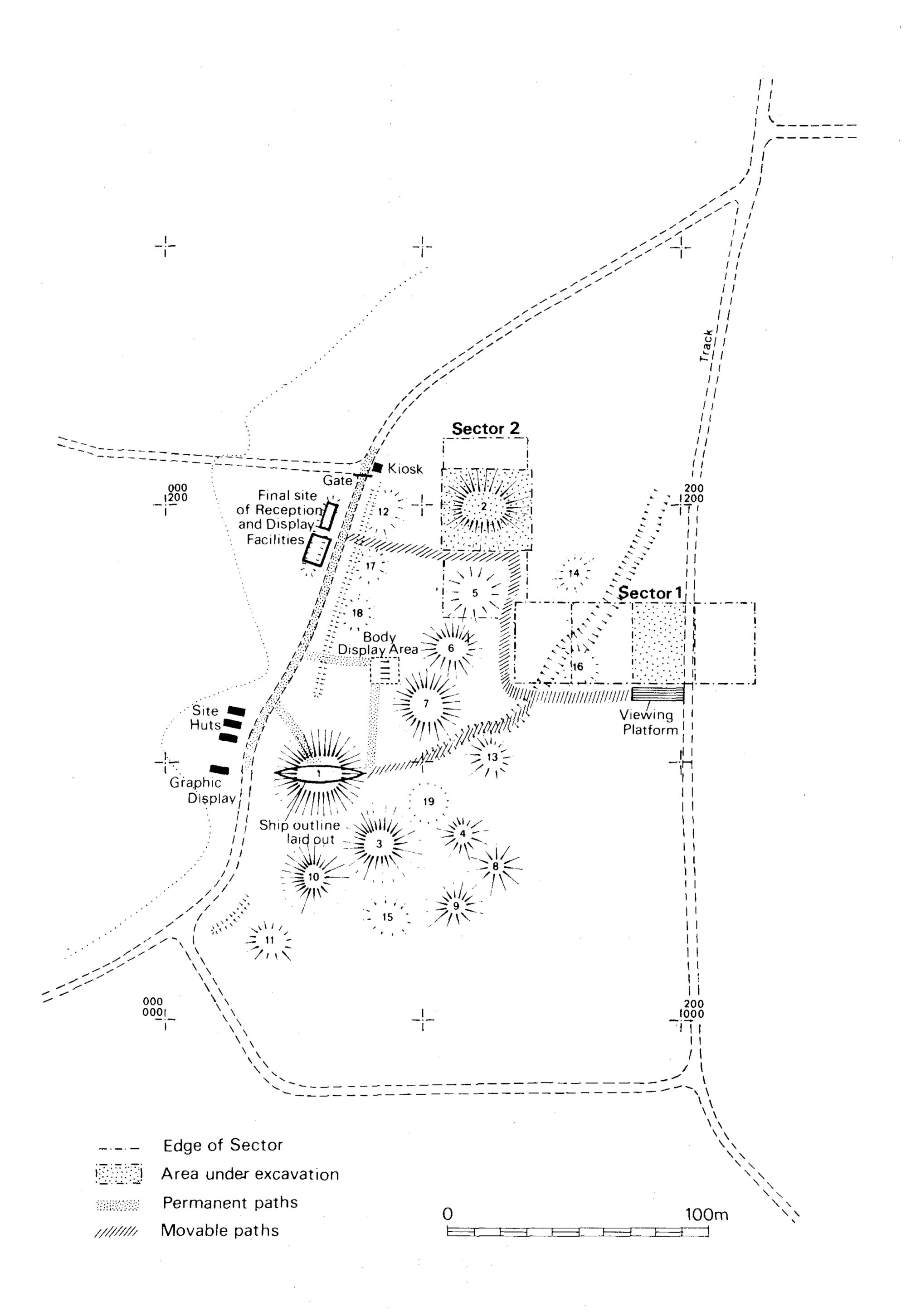


Fig. 41: Proposed presentation at the Sutton Hoo site during excavation (Carver/Hooper)

1983, a continual stream of the more intrepid visitors, armed with maps and knocking at the doors of the local inhabitants, endeavoured to make their pilgrimage to the site, which was at that time almost invisible under a thicket of bracken and bushes. Since 1983, the public footpaths have been signed, the ferry reopened, a temporary car park provided (by the farmers) and provision made for the visits of schools and societies by coach. The site has been declared officially open from May to September, at which times guided tours are provided twice a day at weekends by the Sutton Hoo Society. The number of paying visitors in the 1985 season before the television broadcasts was 3,600 or an average of 100 a day, each of whom also paid an average of one pound for publications. Advertising of opening hours was limited to the East Anglian Daily Times. An illustrated site guide was published, and the Sutton Hoo Society's kiosk also sold academic publications, postcards, replicas and a teaching pack for schools. The strongest indication of potential public interest was given by the BBC's viewing analysis of the programmes they made about Sutton Hoo. Two 50 minute programmes were shown in 1985, the first dealing with the pre-1983 excavations, a remake of 'The Million Pound Grave' originally shown in 1965; and the second dealing with the new campaign, presented by its Research Director. The second programme put the accent on explanation and was designed by its producer, Ray Sutcliffe, to emphasise the real ethical and technical problems, to show modern archaeology as it really is. Before the viewing figures were published there was some anxiety about this policy, which was such a radical departure from the leitmotiv of 'treasure hunting' and 'discovery' of many archaeological presentations. In the event, 2.7 million people watched the first programme and 3.1 million the second, putting the latter among BBC 2's top ten programmes for the week. After the first broadcast, 81% of the viewing panel said they would watch another programme on Sutton Hoo; after the second, the figure had risen to 85%. Perhaps most interesting of all, only 4% of those who watched the second programme, said they had done so out of archaeological interest. The majority were watching out of 'general interest', and presumably represent, as nearly as possible the members of the general public.

B. METHOD OF PRESENTATION

The presentable assets of Sutton Hoo can be defined as the site itself, the finds from it, its historical significance and the way archaeologists work. Whereas this is true of all sites at which an excavation campaign is in progress, each type of presentation demands a different emphasis and style at different places.

At Sutton Hoo, the site itself is enjoyed more for its remoteness, status and innate mystery than for its spectacular or architectural impact. Development should therefore aim at preserving its inscrutability as an earthwork while providing modern explanation. Barrows, if excavated, should be reconstructed exactly as they were before excavation, and the site should be kept smooth and green. The removal of Top Hat Wood, so that the site is visible from Woodbridge and from the river, would restore something of its monumental status. Explanation can be provided, as now, by discreet outlining, for example of ships, and by having a 'show cemetery' of moulds taken from the excavated burials. Etched aluminium alloy maps showing the layout of the cemetery and the prehistoric settlement can be sited (for example) on Mound 1. During the time that excavations are in progress, an itinerary for visitors, with protected walkways will be established (Fig. 41).

None of these arrangements, however, is likely to act as an adequate substitute for trained guides. Sutton Hoo is a site, therefore, which for the forseeable future, is likely to be open to the public at specific times. The most difficult sector to serve consists of those people who do not like being given guided tours. It is probable that special arrangements will here be necessary perhaps in collaboration with tour operators and the Sutton Hoo Society. The problem of numbers remains. There is no doubt that, for some, monuments such as Sutton Hoo lose their magic in the presence of large numbers of people; large numbers also cause attrition to the earthworks. This problem is confronted below.

Model for Presentation of Sutton Hoo

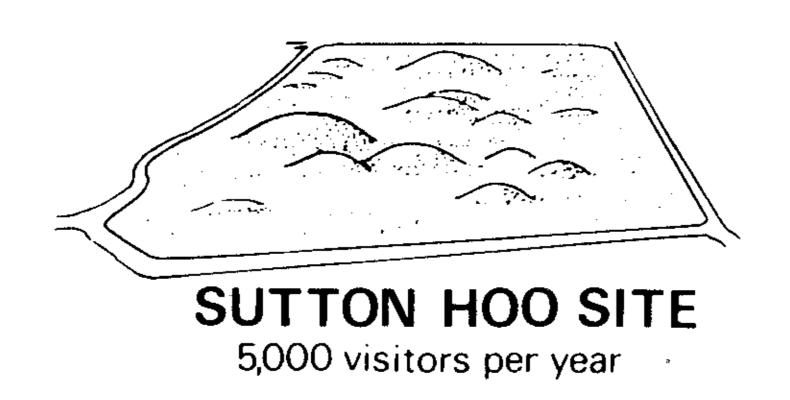


TELEVISION
PROGRAMMES

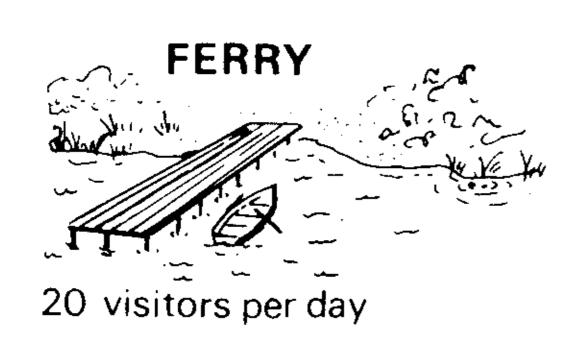
3M viewers

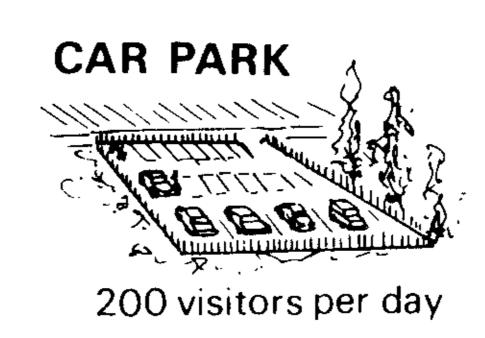
BOOKS 10,000 readers

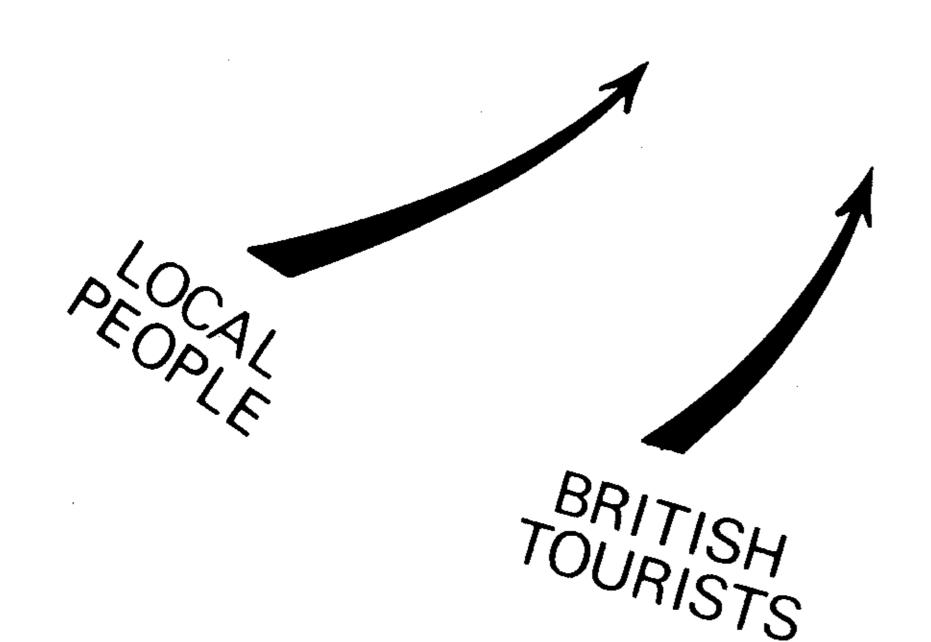


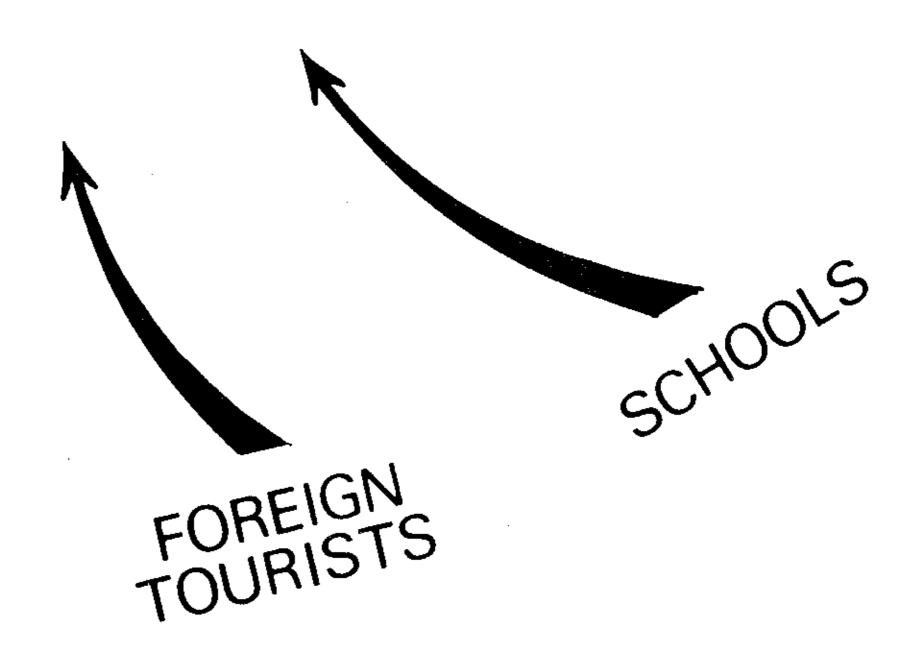












The *finds* are best presented in the British Museum, which is indeed the only place where they could realistically be conserved and protected. It will be desirable to give some sense of both finds and structures to site visitors, and this could be achieved through replication. Replication of finds has already been successfully done by the British Museum. Plans are in hand to replicate one or more ships, whose sea- and river-trials will be filmed. Replication of barrow structures and prehistoric buildings is also desirable. Rather than presenting the replicas of finds and structures on site, which could counteract the needs of site presentation, it would be preferable to establish a centre nearby and include the centre in the itinerary of a visit. A possible location does exist, the Little Sutton Hoo Dairy Farm situated out of sight of the barrow cemetery, on the path leading to the site from the ferry (Fig. 40).

The historical significance of the site and the way archaeologists work can undoubtedly be presented most effectively in the first instance through television. In addition, the arrangements for visits by schools and societies will continue and be expanded, and popular literature in quality productions be made available (see above).

In sum, therefore, the presentation of the site seems to require a combination of direct and indirect access, care of the site itself, to which limited and controlled access is permitted, being coupled with display centres elsewhere and comprehensive coverage by the media (Fig. 42). A display centre nearby with a carefully designed and evocative presentation based on replication will be an important asset here, particularly for schools and the visiting public. Such a centre would not be subject to the visiting restrictions of the site. It has been suggested that the position for the centre might be the Little Sutton Hoo Dairy Farm, whose development would also incidentally solve the major problems of living and working accommodation for the Research Project.

An alternative (or additional) scheme, which would however, require rather more investment, has also been explored, namely the establishment near ipswich of a large display centre dealing with the whole of Anglo-Saxon England. This centre would provided a public shop window for the Anglo-Saxons (as the Jorvik Centre has for the Vikings), while at the same time promoting academic study through conferences and publications, as the Spoleto Centre does for early medieval people in general. The centre will act as a point of departure for visitors to a number of Anglo-Saxon sites in which the area is particularly rich, for example, West Stow, Bury St. Edmunds, South Elmham, and Dunwich (Fig. 32). The principal attraction might be a visit to Sutton Hoo itself which could be conducted either by road or by river and sea. Preliminary discussions with Woodbridge Town Council, Suffolk Coastal District Council, Suffolk County Council, the English Tourist Board and Professor Travis (of the Centre for Urban and Regional Studies at Birmingham) suggest that such a scheme would be successful given enough investment and a creative approach. The *Early English Heritage Project*, as it is called, is a development that could arise from the Sutton Hoo project, but the two are not interdependent.

C. CONCLUSION

With a small amount of investment and development, the valuable resource that is Sutton Hoo can be presented to the public as an integrated portfolio: to all age groups from young children to the aged and infirm; to those remote from the site by means of television, books and periodical literature; to those wishing to visit the site by guided tours of the site itself and by an exhibition of replicated finds, boats and structures nearby; and to those wanting to see the original finds, by the exhibition in the British Museum (Fig. 42). Sutton Hoo is uniquely poised to take advantage of a presentaion programme of this kind, but its viability does not depend on large numbers of feet crossing the turf of the site itself, and it is right that it should not. The amenity of the residents should continue to be respected. The number of visitors during site operations should be kept low, to avoid damage to the archaeological work and danger to the visitors themselves. Above all the atmosphere of Sutton Hoo itself is worthy of protection; a special atmosphere sensed from lineaments of human behaviour captured in a vulnerable fragment of early landscape.

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in Bulletin of the Sutton Hoo Research Committee 3

Warner, P. 1985:

TABLE 1

List of Archaeological Interventions at Sutton Hoo, 1860–1985

Interv. No.	Area/Zone	Date	Responsible	Activity
1	(not located)	1860	Barritt	removal of mound
2	Mound 3	1938	Brown	excavation
3	Mound 2	1938	Brown	excavation
4	Mound 4	1938	Brown	excavation
5	Mound 1	1939	Brown & Phillips	excavation
6	Mound 1	1965-70	Bruce-Mitford	excavation
7	Mound 1	1967-70	Ashbee	excavation
8	Mound 1	1971	Carney	excavation
9	Mound 1	1971	Carney	excavation
10	Mound 1	1971	Carney	excavation
11	Area A	1966	Longworth & Kinnes	excavation
12	Area C	1970	Longworth & Kinnes	excavation
13	Area B	1968-69	Longworth & Kinnes	excavation
14	Area B	1968-69	Longworth & Kinnes	excavation
15	Area B	1968-69	Longworth & Kinnes	excavation
16	Area B	1968-69	Longworth & Kinnes	excavation
17	Mound 11	1982	West	record of robber pit
18	Zone A	1983-84	Сорр	surface feature mapping
19	Zones D, F	1983-84	Copp & Royle	fieldwalking
20	Zone F	1984	Carver	excavation
21	Zone F	1984	Carver	excavation
22	Zone D	1984	Carver	excavation
23	Zone A	1984	Carver	excavation
. 24	Zone B	1984	Carver	excavation
25	Zone A (Mound 5)	1984	Carver	grass removal
26	Zone A (Mound 2)	1984-85	Carver	inspection
27	Zones A, D, F	1983-84	Royle	metal-detector survey
28	Zones A, B, F	1984	Gorman	magnetometer survey
29	Zones A, F	1984	Gorman	radar survey
30	Zone A	1983-84	Bruce, Ingram & Cooper	contour survey
31	Zone C	1984	Carver	inspection
32	Zone F	1985	Carver	excavation
33	Zone A	1966	Hipkin	contour survey
34	Zone A	1980	Hipkin	contour survey
35	Zone F	1984	Bartlett	fluxgate survey
36	Zone F	1985	Walker	resistivity survey
37	Zones D, F	1985	Gurney	phosphate survey
<u>-</u> ·	·			

2 TABLE

Methods of remote mapping used during site evaluation

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	Methods of remote mapping u	used during site evaluation		
Evaluation Method	Equipment	Accuracy/ Sensitivity	Used in Zones	Area Covered
Contour Survey (INT. 30)	1. TOPCON GTS-2 EDM 2. NIKON NT 2A 20 Theodolite with NIKON ND 160 EDM	Contours plotted to 10cm vertical intervals. Distance error 1 cm. Theodolite read to 0° 0′ 1″	∀	34,500 m²
Surface Mapping (INT. 18)	NIKON NT 2A theodolite for surveying	Features plotted to approx 10 cm accuracy	4	34,000 m²
Fieldwalking (INT. 19)	NIKON NT 2A theodolite for surveying	Finds plotted to approx 10 cm accuracy	D, F	73,000 m²
Phosphate Survey (INT. 37)		Samples taken at 20 m intervals with 1 m accuracy	·	100,000 m²
Metal Detection (INT. 27)	 Arado 120B Deep Seeking Metal Detector - Classifier C-Scope VLF TR770 Metal Detector - Discriminator 	Both discriminate between Fe and non-Fe metals, deep and shallow targets. Targets plotted to approx. 10 cm accuracy	A, D, F	35,500 m²
Proton Magnetometry (INT. 28)	Paired Geometrics G856 Memory-Mag Proton Magnetometers	0.1 gamma	A, B, F	780 m²
Fluxgate Magnetometry (INT.35)	Fluxgate Gradiometer	1 gamma	L	1,080 m²
Resistivity (INT. 36)	Geoscan Research Resistance Meter RM4	Resolution from 1 ohm to 0.01 ohm	A, F	1,500 m²
Radar (INT. 29)	Ground penetrating pulse radar, designed by M. Gorman, Scott Polar Inst.	Requires calibration according to frequency	A, F	520 m²
Magnetic Susceptibility	Bartington MS1	13 Samples taken in all from INT. 20 and INT. 22	D, F	
Trial Excavation (INTS. 20, 21, 22, 23, 24, 26, 31, 32)			A, B, C, D, F	2812 m²

TABLE 3

List of Relative and Absolute Dates obtained at Sutton Hoo

Period	Location	Material	Method	Date
PREHISTORIC			•	
Earlier-Mid Neolithic	A,D,F	Ceramic	Typology	3500-2500 bc
	A, F	Flint	Typology	
Later Neolithic	A, F,	Ceramic	Typology	2500-2000 bc
Later reconcino	A, D, F,	Flint	Typology	•
Later Neolithic/	A, D, F,	Ceramic	Typology	
Earlier Bronze Age	A, D, F,	Flint	Typology	
Earlier Bronze Age	A, D, F,	Ceramic	Typology	2000-1500 bc
Earlier Bronze Age	A, D, F,	Flint	Typology	
	Mound 2	Faience Bead	Typology	
Middle Bronze Age	A	Ceramic	Typology	1800-1200 bc
	A, D, F,	Flint	Typology	
Later Bronze Age				1200-800 bc
Iron Age	A	Ceramic	Typology	800bc-43 AD
ROMAN	D, F	Fragmentary		
		Ceramics		
			Tunalagu	450-700 AD
EARLY MEDIEVAL	F Mound 1	Ceramic Coins	Typology Typology of form	After 625 AD
	IVIOUNO 1		& fabric	
•	Mound 1	Decorated	Typology	7th C AD
	Wibalia	Metalwork	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	Mound 1	Wax from Lamp	C 14	523 ± 45 AD
		Mand from Durin	C 14	629 ± 45 AD
	Mound 1	Wood from Burial Chamber		020 1 10715
	Mound 1	Silver Dish	Imperial Stamp	491–565 AD
		Llicanical		624/625 AD
	Mound 1	Historical Association		
	A	Skull from Grave	C 14	746 ± 79 AD
	Mound 3	Stone Plaque	Typology	6th C AD
	Mound 2	Decorated		6th C AD
	F/20/9	Metalwork Human Bone	C 14	620 ± 90 AD
	1/20/3	1 (dirian bono		

TABLE 4

Burials excavated at Sutton Hoo to 1985

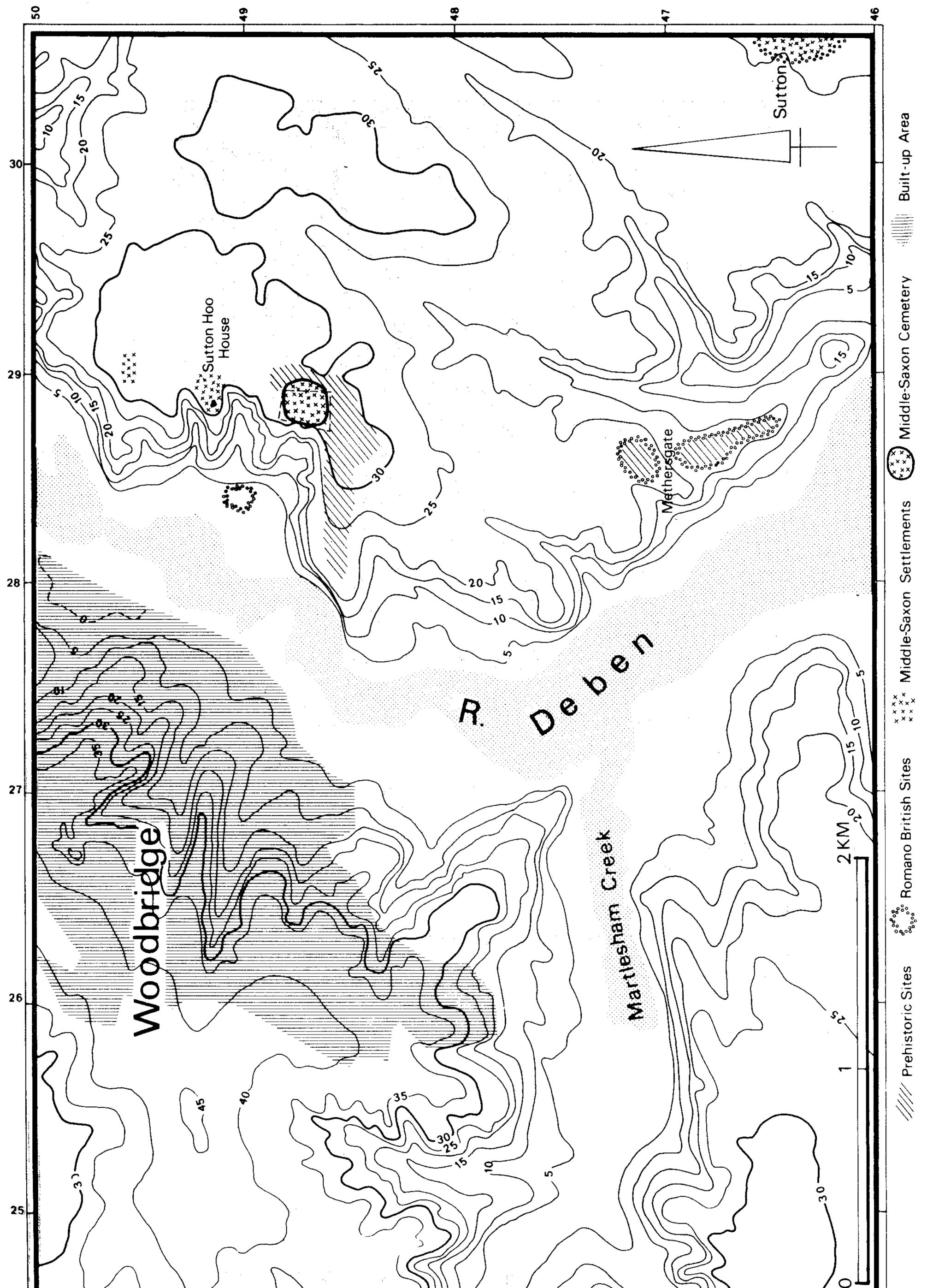
Feature	Body	Orientation (Head-Feet)	Attitude	Grave Goods	Structure	Comment
Mound 1	Inhumation Translation?	W-E		Rich Assemblage	Burial Chamber in ship beneath barrow	
Mound 2	Inhumation	(robbed)	(robbed)	Rich Assemblage	Burial Chamber in ship beneath barrow	:
Mound 3	Cremation	·		Rich Assemblage, Cremation on Oak Tray	Beneath Barrow	
Mound 4	Cremation			Rich Assemblage, Cremation in Cauldron	Beneath Barrow	
Longworth C1	Inhumation	S-N	On side, knees flexed			
Longworth C2	Inhumation	SW-NE	On back			
Longworth C3	Inhumation	W-E	On back			
Longworth P1	Inhumation	E-W	Skull only			į.
Longworth A iv	Cremation			In urn		
Longworth A iii	Cremation		,			
F9	Inhumation	NW-SE	On back	Coffin?		C 14 date:
F101	Inhumation	W-E	On back	In coffin		c.70 AD
F102	Inhumation	E-W	Prone with hands tied			Execution?
F106	Inhumation	W-E	On back	In coffin with joint of meat		Flint packing in upper
F108	Inhumation	W-E	On back			grave
F109	Inhumation	W-E	On back	:		
F137	Inhumation	E-W	On back, neck broken			Execution?
F146	Inhumation	SE-NW	Prone, hands tied			Execution?
F154	Inhumation	W-E	On back			
F161	Inhumation	WE	In 'ploughing' position	With 'plough' and 'staff'		Execution?
F163	Inhumation	W-E	Kneeling, top of head missing			Execution?
F166	Inhumation	W-E	On back, hands stretched above head			
F173	Inhumation	W-E	On back, hands clasped			•
2059	Inhumation	E-W	Kneeling			Execution?

TABLE 5
Predicted Survival of Archaeological Information

	Fields Zones D, F	Beneath Barrows	On Flat	Remote Sensing (incl. Fieldwalking)
Earthworks	X	X	X	. X
Negative features deeper than 1m	X	X	X	X
Negative features deeper than 0.5m	X	X	X	:
Negative features deeper than 0.20m		×		
Soil pollen		X	X	
Flint and stone	X	X	X	X
Burnt grain	X	. X	×	
Charcoal	X	X	X	·
Wood (grain)		×		
Wood decay products	X	X	X	
Bone decay products	X	X	X	
Human body products	X	X	X	
Noble metals	×	×	X	X
Iron (decay products)	×	×	X	X
Pottery	X	×	X	X
				·

TABLE 6 Information Recovery Levels

e.g.	Field walking	19th C House	16th C Pits	Timber trace building	Skeleton	Storage pit
LANDSCAPE	Inferred by sensor	PLOT STRUCTURES on OS	1:100 PLAN PROFILE	1:100 PLAN CONTOUR SURVEY	(as LEVEL D) CONTOUR SURVEY	(as LEVEL D)
STRUCTURE	Inferred by sensor OUTLINE PLAN	as features	Defined by coarse trowel EXCAVATE AS ONE. PHOTOGRAPH	Defined by fine trowel EXCAVATE AS ONE. PHOTOGRAPH by PHASE	Defined minutely EXCAVATE AS ONE. PHOTOGRAPH by PHASE	(as LEVEL E)
FEATURE	Inferred by sensor OUTLINE PLAN	Defined by shovel SHORT DESCRIPTION. OUTLINE PLAN	Defined by coarse trowel FULL DESCRIPTION. DETAILED PLAN HEIGHT	Defined by fine trowel FULL DESCRIPTION DETAILED PLAN 1:20 (colour coded) CONTOURS PHOTOGRAPH (B/W)	Defined minutely FULL DESCRIPTION PLAN (colour) 1:10 or 1:5 CONTOUR. PHOTOGRAPH	(as LEVEL E)
CONTEXT	Inferred by sensor OUTLINE PLAN	Defined by shovel DESCRIBE	Defined by coarse trowel DESCRIPTION (Munsell for mortars and natural)	Defined by fine trowel DESCRIPTION (Incl. Munsell) PLAN 1:20	Defined minutely DESCRIPTION (Incl. Munsell). PLAN (natural colour) 1:10 or 1:5 contour	(as LEVEL E) and LIFT AS BLOCK
FIND	Surface finds PLOT 2-D	Large finds RECORD EXAMPLES KEEP EXAMPLES	All visible finds. RECORD ALL. KEEP EXAMPLES. MAY PLOT BY m ²	All visible finds PLOT 3-D and KEEP ALL	All visible finds PLOT 3-D and KEEP ALL	(as component)
COMPONENT	(not recovered)	(not recovered)	(not recovered)	SAMPLE SIEVING of spoil on site for presence of specified material (spoil not kept)	TOTAL SIEVING of spoil on site for presence of specified material and KEEP SPOIL	MICRO SIEVING soil block in laboratory
LEVEL	∢	Ω	O	Q	ш	L



Topography of the archaeological area at Sutton Hoo (Birkeland/Hooper)

4.

TABLE 8

The Volume of the Barrows and their Area Equivalent

Mound No.	Radius of Base (k)	Height (h)	Area in Plan (k ²)	Volume $\left(\frac{h^3}{6} + \frac{hk^2}{2}\right)$	Flat equivalent $(\frac{V}{0.40})$
	m	m	m ²	m ³	m ²
1	15.00	2.75	706.5	982	2455
2	15.00	2.10	706.5	747	1867
3	13.00	2.00	531	535	1334
4	9.10	0.90	260	117	292
5	12.25	0.20	471	47	118
6	10.50	1.00	346	173	432
7	15.00	1.80	706.5	639	1597
8	9.10	0.90	260	117	292
9	10.50	1.25	346	217	543
10	13.75	1.80	593	535	1338
11	9.10	0.75	260	97	243
12	10.50	0.45	346	78	194
13	8.37	0.30	220	33	82
14	9.10	0.30	260	39	97
15	7.75	0.30	189	28	70
16	10.00	0.30	314	47	118
17	10.00	0.30	314	47	118
18	10.00	0.30	314	47	118
19	10.00	0.30	314	47	118

TABLE 9

Projected Programme for the Excavation of the minimum viable sample, in Fig. 33

			······································			~ ~ ~ ~ 1	 								
3	Ω.											32		32	8
6 1992/3	⋖						16			16			32		32000
	В						,			32				32	0
1991/2	A						32						32		32000
ស							!	;			33			33	
1989/90	ω ,	16					16		·				32		32500
4	∢												(°)		
6/886	a	16	3		- -		·	6	3					31	31500
3 1	<	16		16									32		
987/8	m.				31	က								34	33000
2 19	<			32									32	,	
9/7	В	(8)			*									8	8000
1 1986/	<	ω											∞		8
	COST	28000	1500	24000	19500	1500	32000	4500	1500	24000	16500	16000	'A' team	'B' team	Cost per year
	WEEKS	56	3	48	39	3	64	တ	æ	48	33	32	f weeks on site	of weeks on site	Cos
	AREA	3072	118	2304	1867	118	3072	432	118	2304	1597	1536	No. of	No. o	
	SIZE	32 × 96	47m ³	32 × 72	747 m ³	47 m ³	32 x 96	173 m ³	47 m ³	48 × 48	639m³	32 × 48			
	MOUND	: . .	16		2	ß		9	18			.			
	SECTOR		•	2	2	2	4	4	4	ß	J.	®			

*Assuming SMC is obtained in 1986

TABLE 10

Expenditure 1983–86

HEAD	1983/84	1984/85	1985/86	Total
Director	12008	11749	11495	35252
Project Assistant		2129	540	2669
Manager	1147	4473	4488	10108
Secretary		1500	2571	4071
Research Assistant	2256	4839	6380	13475
Research Assistant		4839	6380	11219
Publication Supervisor			1740	1740
Illustrator	1643	3530	6175	11348
Programmer		2600	1551	4151
Consultant	2390	4285	630	7305
Sub total	19444	39944	41950	101338
SITE COSTS			-	
Supervisor	·	2340	2470	4810
Photographer	243	695	1043	1981
Site Assistant		287	700	987
Site Assistant		718	779	1497
Site Assistant		431	779	1210
Site Assistant		497	533	1030
Manual Costs	5795	4546	3370	13710
Accomodation	4535	3912	2597	11043
Photography, Equipment, Travel, Office	8333	9941	9185	27459
Sub Total	18905	23367	21456	63727
Survey	500	2000	2000	4500
TOTAL	38849	65311	65406	169565

TABLE 11

Forecast cost of excavating the minimum viable sample

(Figures allow for an annual increment for project team)

1. Project Team

	1986/7	1987/8	1988/9	1989/90	1990/1	1991/2	1992-7	TOTAL
Director	11783	19846	20656	21895	23209	24602	147003	
Project Assistant	7427	7873	8345	8846	9376	9939	21702	
Management	2597	2798	2966	3144	3333	3533	1873	
Secretarial	2907	3081	3266	3462	3670	3890	23242	
Research Assistant	7500	7950	8427	8933	9469	10037	59974	
Research Assistant	4000	7950	8427	8933	9469	10037	59974	
Environmental Assistant	1772	4240	4494	4764	5050	5353	24823	
Illustration	6250	6625	7023	7444	7890	8364	49978	
Computer Programming	1413	2998	5250	5513	5844	6194	16262	
Equipment	1000	2000	2000	2000	2000	2000	2500	
Specialist Costs	1000	2000	2000	2000	2000	2000	6000	
Expenses/Contingency	1500	2500	2500	2500	2500	2500	10000	:
Overheads	6189	6793	7087	7512	7963	8441	44663	
	55338	76654	82441	86946	91773	96890	467994	958036

S/Total to 1992 £490042

(cont., over)

TABLE 11 (cont.)

2. Site Team

	<u></u>							
· · ·	1986/7	1987/8	1988/9	1989/90	1990/1	1991/2	1992-7	TOTAL
Team Supervisor	2709	10836	10836	10836	10836	10836	10836	67725
Photographer	1200	4800	4800	4800	4800	4800	1200	26400
Finds Supervisor	_	4160	4160	41.60	4160	4160	4160	24960
Temporary Staff	8000	33000	31500	32500	32000	32000	<u> </u>	169000
Illustration	_ ·	2450	3200	3200	3200	3200		15250
Equipment	2500	6000	6000	6000	4000	2000	<u> </u>	26500
Specialist Costs	_	2000	2000	2000	4000	6000	6000	22000
	14409	63246	62496	63496	62996	62996	22196	351835
			S/	Total to 1	992 £	329639		
3. Regional Survey								
Suffolk Arch. Unit	5260	5525	5800	6095	6400	6715	6715	42510
			S/	Total to 1	992	£ 35795		
4. Total		 : -	·				· · · · · · · · · · · · · · · · · · ·	
Totals	75007	145425	150737	156537	161169	166601	496905	1352381
		:	S/	Total to 1	992 £	855476		

TABLE 12

EQUIVALENT COST OF BM EXCAVATION 1965–1971 (1965 costings)

Excluding conservation and post-excavation

	INT 6	INT 7	INT 8 - 14	Total
		(Ashbee)	(Longworth, etc)	
	1965 - 1971	1968 - 1970	1966, 1968-70	
	42 weeks	18 weeks	20 weeks	80 weeks
B M Staff or equivalent	R. Bruce-Mitford A. Evans N. Williams K. Miller G. Joysmith Y. Crossman P. van Geersdale	P. Ashbee R. Ashbee C. Long T. Carney A. N. Other	I. Kinnes N. Rosenfeld	
	(7) 294 MW	(5) 90 MW	(3) 60 MW	
Vols:	15 630 MW	30 540 MW	15 300 MW	
COST Staff Salary – £7000 pa	294 MW 39,577	90 MW 12,116	60 MW 8,077	59,770
	30,870	9,450	6,300	46,620
pd Vols. Subs – £2	8,820	1,080	009	10,500
Shelter	10,000			10,000
Running Costs	42,000	9,000	8,000	26,000
	123,707	28,000	22,977	182,890
			1985 equivalent Cost over six	iivalent (x6) £1,097,340 over six years £1.09 M

TABLE 13

Attrition of the Sutton Hoo Monument as a result of the proposed

Research Campaign 1983-1993

		Before 1983			A ftor 1992		
					- .		
Resource	Estimated	Excavated	Excavated %	Conserved %	Excavated	Excavated %	Conserved
Prehistoric Earthworks							
Prehistoric Flat Site							, ,
Zone A	4 ha	0.24 ha	ιΩ		1.3 ha		99
Total	10 ha				0.08 ha 1.38 ha	0.80	99.20
Early Medieval Earthworks							
By number of barrows							
Major Barrows	_	*** ***	14	98	4	57	43
Minor Barrows Total barrows	12	*	ļ	100	m	16	84
Mil.	D		c	92	^	37	63
By Area Equivalent					·		
Major barrows	0.95 ha	0.24	25	75	09.0	99	34
Total Barrows	0.19 na 1.14 ha	0.24	21	100 79	0.04	19	8 1 1 1
Early Medieval							
Zone A	4 ha				1.30		ď
Zone D	در 1 هر 1				0.08	ς α	92
	5 ha				1.38	28	72

LIST OF SPECIALIST COLLABORATORS ON THE SUTTON HOO SITE EVALUATION: 1983-1985

SITE WORK

Alan Aberg, National Monuments Record (loan of Sonic Tape, advice on archive).

Peter Berry (Site Manager).

Christopher Brooke (Specialist Photography).

John Bruce (Contour Survey).

Malcolm Cooper, Stafford Polytechnic (Contour Survey and Plotting Programme)

Brian Durham, Oxford Archaeological Unit (Photographic Kite)

George Edens, K and C Mouldings (Silicon Rubber Moulds).

John Gowlett, Research Laboratory for Archaeology, Oxford (C14 Dating)

Jim Hooker, City University (Photogrammetry).

Cliff Hoppitt, Woodbridge (Aerial Photography).

David Ingram, University of Birmingham (Contour Survey, Plotting Programme).

Sean MacGrail, National Maritime Museum (Loan of P32 Camera).

Peter Miller (Model Aircraft Photography).

John Minks, USAF Base Woodbridge (Helicopter Flight).

Edward Morgan (Specialist Photography).

Mark Newman, Bordesley Abbey Project (Prehistoric Assessment).

Brian Ribbans, (Hot Air Balloon Pilot).

Juliet Rogers (Human Bone Analysis).

Steve Rothera, Essex County Council (Botanical Survey).

Mick Sharp (Specialist Photography).

Ray Sutcliffe, BBC (Film Producer).

Michael Tite, British Museum (C14 Dating, Conservation).

Jill Walker, AERE Harwell (C14 Dating).

Nigel Williams, British Museum (Consolidation and Lifting of Grave Deposits).

Martin Woodhall, Milk Marketing Board (Soil Chemistry).

Appendix 1 (cont.)

REMOTE SENSING AND SURVEY

Helen Atkinson, Department of Quaternary Research, Stockholm (Sedimentology)

Amanda Balfour, University of Birmingham (Display Design).

Alister Bartlett, HBMC (Fluxgate Gradiometry).

Victoria Bryant, University of Birmingham (Aerial Survey).

Caroline Fleming, University of Birmingham (Display Design)

Margaret Gelling, University of Birmingham (Documentary Survey).

Mike Gorman, Scott Polar Institute (Radar and Magnetometry).

David Gurney, Norfolk Arachaeological Unit (Phosphate Survey).

Mike Hayes, University of Birmingham (Chemistry of Decay).

Rosemary Hoppitt, Woodbridge Museum (Documentary Research).

Mike Kelly, Bradford University (Resistivity)

Edward Martin, Suffolk Archaeological Unit (Prehistoric Suffolk)

John Newman, Suffolk Archaeological Unit (Regional Survey).

Judith Plouviez, Suffolk Archaeological Unit (Roman Suffolk).

Tony Travis, University of Birmingham (Tourism)

Keith Wade, Suffolk Archaeological Unit (Regional Survey).

Roger Walker, Geoscan Research Limited (Resistivity)

Ron Warmington, University of Birmingham (Display Design).

Peter Warner, Homerton College, Cambridge (Documentary Survey).

Stanley West, Suffolk Archaeological Unit (Early Medieval Suffolk).

Tony Wilkinson, (Sedimentology)

Rowan Whimster, Cambridge University Committee for Aerial Photography (Aerial Photography)

PROPOSED SUTTON HOO PROJECT TEAM

Director: Martin Carver BSc FSA MIFA (Director, Birmingham University Field Archaeology Unit. Medieval Archaeologist, Hon. Secretary Institute of Field Archaeologists).

Consultant on Prehistory: Ann Ellison MA MIFA FSA (Prehistorian, Research Fellow, University of Birmingham, formerly Director of Trust for Wessex Archaeology).

Senior Supervisor: Peter Leach BA MIFA (Formerly Field Officier with Western Archaeological Trust. Prehistoric, Roman and Medieval Excavation director).

Assistant Presenter: Phil Rahtz MA FSA (Professor of Archaeology at York University).

Project Secretary: Jenny Glazebrook BA MA (Field Archaeologist, Supervisor with Sandwell Arch. Proj., formerly of Birmingham University).

Photographer: Nigel Macbeth (Freelance Photographer).

Supervisors: Angela Evans BA MIFA (Assistant Keeper in the Department of Medieval and Later

Antiquities, British Museum).

Gillian Hutchinson, BA MIFA (Medieval Researcher at the Archaeological Research

Centre, National Maritime Museum).

Andrew Copp BA MA AIFA (Prehistorian, Field Archaeologist, former student of Sheffield

and Birmingham).

Catherine Royle BA MA AIFA (Survey Specialist, Field Archaeologist, former student of

Birmingham).

Leverhulme Project Supervisor: Phil Bethel BA MIFA (Former Supervisor with Department of Urban Archaeology, London).

Manager: Andrew Brooker-Carey BA (Manager, Birmingham University Field Archaeology Unit).

Publications Officer: Elizabeth Hooper BA (Publications Officer and Illustrator, Birmingham University Field Archaeology Unit).

SUTTON HOO SOCIETY

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*Dr S.E. West, FSA (Suffolk Archaeological Unit)

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