

CO-OPERATION FOR CONSERVATION OF RURAL ROAD VERGES

Co-operation between County Highway
Departments and Conservation
Organisations on the management of rural
road verges and conservation of
Sites of Special Interest

A report based on information obtained from
County Council Highway Departments, The County Naturalists' Trusts,
Regional Officers of the Nature Conservancy Council, and the
Biological Records Centre, up to May 1974

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Chapter I INTRODUCTION

During the course of visits to County Highway Departments in England and Wales in 1972 to discuss policies and practices of rural road verge management (Way, 1973), enquiries were made about the liaison between Highway Departments and conservation organisations. The Highway Departments were asked specifically about their contacts with the Nature Conservancy (as it existed at that time; since November 1973 the Nature Conservancy Council) and the County Naturalists' Trusts with reference to general matters to do with roadside verge management, and about the particular protection of individual roadside sites of conservation importance.

Following on this information, comments and further information have been collected from the Regional Officers of the Nature Conservancy, and from the County Naturalists' Trusts up to May 1974. This report attempts to collate the information collected from the three sources for each County, and to present an objective summary of the deliberate efforts in the English and Welsh Counties to include management for wildlife conservation in the overall policies for roadside maintenance, and to select and protect individual sites.

The role of the Naturalists' Trusts has been identified previously (Streeter, 1969) as fundamental in promoting these ideas, having as they do local knowledge of the fauna and flora, and local interest in their conservation. Naturalists' Trusts are sometimes represented on the Countryside Committees of County Councils, and are widely respected as a responsible voice for wildlife conservation within the Counties. It is appropriate therefore that they should have a liaison with County Highway Authorities and seek their co-operation in the treatment of rural roadsides for the conservation of wildlife, which is a 'good reason' for their management (Perring, 1969; Streeter, 1969; Way, 1973). This liaison is supported by the SPNR (Society for the Promotion of Nature Reserves), the central organising body for the County Trusts, in a Conservation Circular 73/624 dated November 1973.

Because of its professional and scientific awareness of the conservation aspects of roadsides the Nature Conservancy has often acted as a link between Highway Departments and Naturalists' Trusts, promoting co-operation and suggesting procedures, although once these have been satisfactorily established the

Conservancy has tended to leave detailed matters of liaison in the hands of the other two. This function is reflected in the number of occasions in this report where the Nature Conservancy's Regional Staff are shown to have an indirect contact with County Highway Departments through the County Naturalists' Trusts.

The County Highway Authorities as managers of the land have many problems to contend with including the availability of machines, employment of labour and economic considerations. The very wide range of attitudes and of management policies adopted by Highway Authorities for the management of roadsides has already been demonstrated (Way, 1973). In some instances, either from a genuine interest within the Department, or as a result of public pressure, the County Council has taken the initiative and asked for the co-operation of the Naturalists' Trust to arrive at mutually acceptable management policies in respect of wildlife conservation, and to identify roadside sites of special scientific interest. In other instances the Highway Department has set up working parties of all the interested conservation, amenity, agricultural and landowning interests, or has sought advice on wildlife matters through the County Councils' Countryside Committee. In the majority of instances, however, the initiative has come quite properly from the conservation organisations.

Details of a few individual sites have been given to the author in confidence and consequently the fact only of their existence is reported here. In general it has been considered that the circulation of this report should be restricted to directly interested organisations as it is clearly not desirable that the information given should be widely distributed beyond those who have a working experience of the many problems involved. The objective of the report is to bring together information for 1972/73 on the co-operation that existed between the principal wildlife conservation organisations and Highway Departments at that time, and to provide a consolidated account of sites of special interest on roadsides in England and Wales up to May 1974. It is hoped that this will provide a useful reference for continuing and increased co-operation in the future. The information is presented in a standard form where possible and follows the layout of the schedules of verges of special interest for the individual counties used by the Biological Records Centre at Monks Wood in a preliminary list of sites compiled in 1969 (referred to in the report as BRC, 1969). An explanation of the layout and abbreviations is printed on the inside of the rear cover.

The report is arranged by Counties in the Nature Conservancy's regions. Fortunately those Naturalists' Trusts (eg. Bedfordshire and Huntingdonshire) that cover two or more counties fit into this grouping with the exception of Merioneth-

shire, that belongs to a South Wales group of County Naturalists' Trusts, but lies in the North Wales Region of the Conservancy; Herefordshire and Radnorshire that have formed a combined Trust but lie respectively in the Midland and North Wales regions of the Nature Conservancy; and the Soke of Peterborough included in the Northamptonshire Trusts' area (Midland Region), but physically in the East Anglia Region. References throughout are to the Nature Conservancy as that was the body existing at the time of collection of data for the report. Likewise County Highway Departments were those existing before the changes brought about by the Local Government Act, 1972, effective from 1 April 1974. It is not known how, if at all, the Naturalists' Trusts will adapt their boundaries to these changes, although it is apparent that in some instances administrative links with Local Authority departments will be more complex.

It will be apparent from the report that some Naturalists' Trusts are more active than others in their liaison with Highway Departments, and in the discovery and scheduling of roadside verge sites of conservation importance. Whilst this might be seen as a criticism of the less active trusts it has to be remembered that in many Counties the Naturalists' Trust movement is less than ten years old, is often entirely voluntary or maintains a permanent staff on a slender budget, and is financially dependent on the subscriptions of its members. As with all voluntary organisations the Trusts' activity depends upon the particular interests of personalities. Thus, it should be emphasised that this report is intended as an objective account of the situation existing at the time it was written. The difficulties under which the Naturalists' Trusts work are fully appreciated and no criticism of any kind of the Trusts is intended. The report will succeed in its aim if it stimulates the interest of those Trusts that have not yet had an opportunity to develop a liaison with their Highway Department(s), and further encourages those Trusts who have already established a greater or lesser degree of co-operation.

1. In the medium term future it is recommended that Trusts, in collaboration with the Nature Conservancy Council, should seek to set up a formal liaison with Highway Departments with a regular arrangement for annual reviews of policies and scheduled sites, so that the effects of changes of personalities and staffs of the various organisations are minimised.

2. It is recommended that details of verge sites of conservation importance with suggestions for their management should be kept on a standard proforma throughout the Trust movement, to assist the keeping of National records by the Biological Records Centre and the up-dating of arrangements by individual Trusts. Where one administrative local Government Council now covers the area of two or more Trusts a common form of presentation will be important. A suggested proforma is shown at Appendix A.

A proforma designed by the Worcestershire Nature Conservation Trust for the notification of individual sites to the County Highway Department is reproduced at Appendix B (see also P 78).

Chapter II

NATURE CONSERVANCY SOUTHWEST REGION

1. CORNWALL
2. DEVONSHIRE
3. DORSET
4. GLOUCESTERSHIRE
5. SOMERSET

1. CORNWALL

A. County Council Highways Department

In 1972 reported that it had no direct contact with the Nature Conservancy. That the Naturalists' Trust was very active and had a working relationship with the Department, who were sympathetic to the Trust's aims within the limits of their other responsibilities.

Sites of special importance had been scheduled and marked with posts. There was a general agreement not to mow within the markers.

B. Nature Conservancy

Reported in 1973 that direct contact had been established with the Highways Department on a particular matter and that it was intended to maintain this contact over other routine matters. The Assistant Regional Officer concerned was a member of the Naturalists' Trust committee concerned with liaison on highway interests.

C. Cornwall Naturalists' Trust

Reported in January 1974 that the Trust had a good relationship with the Highway Department, and that the Roadverge Sites Committee had had annual meetings with the Department since 1971 to discuss any points in the treatment or conservation of verges that might have arisen during the preceeding year. Not all the 26 scheduled sites were marked with posts and it had not proved possible for the Trusts' Road Verge representative to visit all the sites.

1	2	3	4	5	6	7	8	9	10
CORNWALL - all scheduled with the Highway Department									
1	SW 708122	U	Lane to Housel Bay	-	N		P		<i>Vicia bithynica</i>
1	SW 708124	U	Lane to Housel Bay	-	S		P		<i>Fumaria occidentalis</i>
1	SW 705158	C	Sunny Corner	2	-		P		<i>Geranium versicolor</i>
1	SW 718150	U	St. Ruan	-	S		P		<i>Geranium versicolor</i>
1	SW 359259	A 30 T	Sennen	50	NW		P		<i>Capsella rubella</i>
1	SW 515309	C	Marazion	50	W		P		<i>Geranium pyrenaicum</i>
1		C	Ludgvan		N		P		<i>Geranium versicolor</i>
1	SW 692213	A 3083	Cross Lanes		W		V		
1	SW 689232	A 3083	Burncoose		E		P		<i>Orchis mascula</i>
1	SW 698185	A 3083			E		V		
1	SW 592387	C	Lane to Angarrack		B		P		<i>Erica vagans</i>
1	SW 754399	B	Pulla Cross		B	P	P		<i>Linaria repens</i>
									<i>Saponaria officinalis</i>
1	SW 765328	C	Between two reservoirs		W	P	P		<i>Linaria repens</i> and hybrid
2	SW 896422	C	Ruan Lanihorne	20	NW	P	P		<i>Symphytum orientale</i>
2	SW 881424	C	Lamorran Woods	10	N	P	P	F-M	<i>Melittis melissophyllum</i>
2	SW 993728	A 39 T	Wadebridge		NW	P	P		<i>Verbascum virgatum</i> and others
2	SX 023712	C	Sladesbridge		B		P		<i>Melittis melissophyllum</i>
2	SX 344677	B	Newbridge, Cadson Bury		W		P		<i>Epipactis helleborine</i>
2	SX 385728	U	Luckett Station to Broadgate		B		P		<i>Physospermum cornubiense</i>
									<i>Deschampsia flexuosa</i>
2	SS 213116	U	Coombe Valley		B		P		<i>Ranunculus auricomus</i>
2	SS 218074	B	Bude to Poughill		N		P		<i>Linum bienne</i>
2	SS 228077	B	Poughill		N		P		<i>Tussilago farfara</i>
2	SS 199030	B	Upton Cliff		W		P		<i>Cichorium intybus</i>
2	SX 267862	U or B	Old road to Launceston				P		<i>Platanthera chlorantha</i>
2	SX 331618	U or B	Tilland		B		P		<i>Viola odorata</i>
2	SX 328620	U or B	Tilland to Quethiock	16	W		P		<i>Targionia hypophylla</i>

2. DEVON

A. County Council Surveyors' Department

In 1972 reported that they had good contact with the Nature Conservancy through the Regional Office. There was also an active and close liaison with the Naturalists' Trust and a number of other organisations, leading to the formation of a Working Party on roadside management under the Chairmanship of the Deputy County Surveyor. The Working Party reported to the County Roads Committee in early 1973 and its recommendations were implemented during the 1973 growing season. There were some problems in the first year of working, but these had been pinpointed and it was not thought that the general policy would be changed much for 1974, although it would be subject to constant review. A panel of the Working Party was set up in November 1973 to assess sites of special interest put forward by Parish Councils and others. In the meantime a number of verges of conservation importance had been scheduled by the Naturalists' Trust. These were marked on the ground and managed in accordance with the Trusts' advice.

Previously the Department had been concerned with the Education Authority and others in a project whereby school children collected seed of wild plants to be sown in the grass mixture on the reconstituted verges associated with road improvements. Unfortunately, in spite of the collection of a considerable quantity of seed of a wide range of plants, there was very little success in getting them to germinate and establish. This result was a disappointment for those concerned, but has provided a useful experience on the need for further research into the germination requirements of wild plants and their after-care.

B. Nature Conservancy

Noted in 1973 that their liaison with the Department was through the Naturalists' Trust.

C. The Devon Trust for Nature Conservation

Until recently the principal liaison was between the Trusts' Area Committees and the Area Officers of the County Surveyors' Department. This led to a lack of information on occasions at the Trusts' headquarters and loss of information when changes in the Area Committees occurred. However, at Area level there was good liaison with the Highway Department. The results of the roadside management policy for 1973, evolved from the Working Party's report, was thought to be a great improvement on previous years.

1	2	3	4	5	6	7	8	9	10
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DEVON - scheduled by Naturalists' Trust

A 3052	Trow Hill: Stevens Cross to Lodge		L	Cardamine pratensis
A 3052	Halfway House			Inula helenium
A 3052	Trow Cottage - junction with Weston Road at Weston Cross			Geranium phaeum
C	Fortescue Road			Inula conyza
U	Old Trow	B		Epipactis helleborine
Dis- trict	Trow - Vinecroft Lane	S		Geranium pratense
	Miltown Lane - Norman Lockyer Observatory	B		Agrimonia eupatoria Hypericum linarifolium
	Salcombe Hill	B		Sanicula europaea Adoxa moschatellina Epipactis helleborine Geranium pratense
A 38	South of Welcome Stranger Inn			Orchidaceae

verges notified to Highway Department by organisations other than the Naturalists' Trust

Old A 38		S	'Wild blue geraniums'
A 383	South of the Dartmoor Half Way	S	Orchidaceae
A 38	Bittaford - Ivybridge Road	N	Chrysanthemum leucanthemum
B 3194	Stumpy Cross - Sorley Green		Planting of Primroses

3. DORSET

A. County Council Roads and Bridges Department

In 1972 reported that previous good contact with the Nature Conservancy on roadside verge management had now been superseded because there was active liaison with the Naturalists' Trust. Sites of special interest had been scheduled by the Trust, but not marked on the ground for security reasons. It had been agreed that these sites should not be mown until after seed set.

B. Nature Conservancy

Considered in 1973 that the Assistant Regional Officer concerned had a very good contact with both the Deputy County Surveyor and members of his Department responsible for general matters on roadside verges and road developments. There was also a good working liaison between the Conservancy and the Naturalists' Trust on the subject of roadsides, the Nature Conservancy keeping a watching brief on listed sites in the Purbeck area as a matter of mutual convenience. The Conservancy had a direct arrangement with the Divisional Surveyor over the management of Road verges in the vicinity of Hartland Moor NNR.

C. Dorset Naturalists' Trust

Reported in 1974 that the County Council was very co-operative on the question of conservation of wildlife on roadside verges but that there were considerable problems in many of the narrow lanes where it was often not possible to reconcile conservation interest with the needs of traffic. Since 1969 one or two sites had been lost. There were also some sites for Imula helenium found and cherished by one of the District Surveyors but which were not included in the Trust's list of sites.

1 2 3 4 5 6 7 8 9 10

DORSET - all scheduled (NC = Sites in the Isle of Purebeck watched over by the Nature Conservancy)

9	SY 408963	C	Bluntshay - Whitechurch	6600	V		Reverted to grass? DELETED
9	SY 691867	C	Came Down	2200	VP		Orchidaceae
9	SY 782896	C	Hurst Heath	1	VP	GAD	Lathyrus tuberosus
9	SY 840856	C	Burton Cross - Coombe Keynes	4200	V		Botanical/Moths
9	SY 865857	C	E. Stoke - Coombe Keynes	5000	V		Reverted to grass? DELETED
9	SY 885855	C	E Stoke - Stoborough	1800	A		NC Birds
9	SY 810978	A 354	Milborne St. Andrew	1200	VP		Onobrychis viciifolia
9	SY 915803	C	Steeple - Kimmeridge	3400	V		NC
9	SY 920813	C	Great Wood - Barnston Cross	8000	V		NC
9	SY 920822	C	Ridgeway Hill	8000	V		NC
9	SY 923828	C	E. Creech - Richards farm	3500	V		NC
9	SY 930804	C	Bradle Lane	6600	V		NC Ophrys apifera
9	SY 933826	C	Furzebrook - Barnston Cross	5800	V		NC
9	SY 942854	C	Soldiers Road	5400	VP	DAD	Dactylorchis spp. NC
9	SY 957867	C	Stoborough - Arne	3000	VP	DAD	Erica ciliaris. NC
9	SY 962848	C	Corfe Castle - Arne	3000	VP		Dactylorchis spp. NC
9	SY 976835	C	H. Bushey - Flashet Planta- tion	1600	V	DAD	NC
9	SY 974841	C	Rollington - Wytch	7200	VP		Dactylorchis spp. NC Erica ciliaris, Pulmonaria officinalis
9	SY 983831	C	H. Bushey - Remstone Farm	3400	VP	DAD	Dactylorchis spp. NC
9	SY 985837	C	Bushey - Claywell	4400	V	DAD	NC Botanical
9	SY 992812	C	Woolgarston - Ricketts	1800	V		NC
9	SY 996820	C	Rempstone - Studland	1200	V		NC
9	ST 571040	C	Evershot - Rampisham	1000	P		Campanula trachelium
9	ST 675134	A 3030	Caundle Marsh	1	P		Inula helenium

1	2	3	4	5	6	7	8	9	10
DORSET - contd.									
9	ST 809125	A 357	New Cross Gate	1			P		Inula helenium
9	ST 999163	C	6 D. Handley - Wimborne	3400			AP		Verbascum nigrum
9	SV 033181	C	Pentridge	2600			V		
9	SV 064131	C	Cranbourne - Cripplestyle	800				V	
9	SV 070138	C	Bellows Cross - Ashes Farm	1200			V		
9	SV 078138	C	Bellows Cross - Ashes Farm	1700			V		
9	SV 078139	C	Ashes Farm - Biddlesgate	600			AV		Birds
9	SV 088118	C	Gotham - Cripplestyle						Roadside Coppice and birds
9	SV 087123	C	Hare Lane Farm						Roadside Coppice and birds
9	SV 091127	C	Crendell - Cripplestyle	1100					Roadside Coppice and birds
9	SV 093128	C	Crendell - Broxhill	800					Roadside Coppice and birds

4. GLOUCESTERSHIRE

A. County Council Surveyor's Department

Reported in 1972 that there was effective contact with the Nature Conservancy through the Naturalists' Trust. Liaison with the Trust was intermittent and mainly with Divisional Surveyors rather than on a County basis.

B. Nature Conservancy

Reported that liaison with the Surveyors' Department was maintained through the Naturalists' Trust.

C. Gloucestershire Trust for Nature Conservation

Area representatives of the Trust in the eight divisions of the Highway Department liaised with the respective Divisional Surveyors over sections of the verge in need of protection. There was not a general agreement on the use of sprays and these were used extensively on roadsides throughout the County. It was agreed that chemicals should not be used on sites notified by the Trust, but even in this respect there was room for greater co-operation, especially from one Division.

In December 1973 the County Surveyor and Divisional Surveyors had been informed of two verges of special conservation importance out of a provisional list of 18 drawn up by the Trust. It was expected that more would be scheduled later. The general situation was kept under annual review at meetings of the liaison officers of the Trust. It was hoped to come to an arrangement with the Highway Department to erect white posts in the verge to mark especially important sections of verge, when they had been agreed with the County Surveyor, to warn tractor drivers or spray operators that these sites required special care.

1	2	3	4	5	6	7	8	9	10
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GLoucestershire - only two sites scheduled with the County Surveyor. Remainder notified to Divisional Surveyors

34	SO 745337	C	Bromesberrow		N		P		Ornithogalum nutans
34	SO 739331	C	Bromesberrow		NE		P		Turritis glabra
34	SO 741330	MS	Bromesberrow				P		Turritis glabra
33	SO 896330	U	Woodend, Twynning				P		Myosurus minimus
33	SO 874255	A 38	Leigh		W		P		Sambucus ebulus
33	SO 862242	A 38	Leigh		SW		P		Sambucus ebulus
33	SP 057166	C	Compton Abdale		S	P	P		Scrophularia umbrosa
33	SP 010132	U	Colesbourne	90	B		P		Carex filiformis
33	SP 105265	U	Kineton				P		Polypodium australe and other ferns.
34	ST 754941	C	Wotton-under-Edge				P		Stachys alpina
33	SP 011211	C	Whittington		NE		P		Geranium phaeum
33	SO 833059	C	Randwick		N		P		Tulipa sylvestris
33	SP 011014	A 419	Cirencester				P		Allium paradoxum
34	SO 709184	A 4136	Blaisdon				P		Spiranthes spiralis
33	SO 910205	C	Cold Pool Lane, Badgeworth		W				Ranunculus ophioglossifolius
33	SO 863124	B 4073	Upton St. Leonards		S				Geranium endressii
33	SO 97-17-		Chatcombe Pitch				P		Herminium monorchis
34	SO 93-07-	A 419	Chapman's Cross				A		Burnet Moth site

5. SOMERSET

A. County Council Surveyors' Department

Reported in 1972 that they had no contact with the Nature Conservancy nor the Naturalists' Trust on the subject of conservation of roadside verges. Consequently there were no scheduled sites of special interest*.

B. Nature Conservancy

Agreed that there was no contact on this matter.

C. Somerset Trust for Nature Conservation

Reported in November 1973 that there were no sites scheduled with Surveyors' Department but that the Trusts' Conservation Officer was about to meet the Department to discuss the matter. A note on the result of this meeting reported that the Surveyors' Department had recently amended its maintenance policy as the result of a letter from the Department of the Environment and would be giving the Trust details in due course*. The Highway Department were sympathetic to the idea of marking sites of special biological interest and to applying special maintenance to them. As a result the Trust was about to collate the information that it had from its members with a view to submitting a list of proposed sites to the County Surveyor. In general in the past liaison with the Surveyors' Department had been on a local basis between Trust members and Area Officers of the Department.

* Author's note (entered in proof) - In a policy document for Roadside Maintenance dated 22nd April 1974, the County Surveyor draws particular attention to the possibilities for conservation of natural vegetation on verges. Reference is made in this document to the meeting (described above) with the Conservation Trust, and to the agreement in principle for suitable areas of conservation importance to be marked and managed according to the Trust's recommendations.

Chapter III

NATURE CONSERVANCY SOUTH REGION

6. BERKSHIRE
7. BUCKINGHAMSHIRE
8. HAMPSHIRE
9. ISLE OF WIGHT
10. OXFORDSHIRE
11. WILTSHIRE

Note: The Berkshire, Buckinghamshire and Oxfordshire Naturalists' Trust has a central organisation for the three Counties with voluntary officers in each County responsible for roadside verges. Starting in 1973 a programme of re-surveying all the sites scheduled in 1969 was undertaken, leading to a number of deletions and some additions.

Hampshire and the Isle of Wight have also formed a single Naturalists' Trust, but on the question of roadside verges the Isle of Wight Natural History and Archaeological Society is more active than the Trust (with whom it has close links) on the Island.

6. BERKSHIRE

A. County Council Surveyors' Department

Reported in 1972 that there was no direct contact with the Nature Conservancy. The Naturalists' Trust was very active with a list of scheduled sites, marked with posts on the ground. There was a management agreement with the Highways Department not to cut these sites.

B. Nature Conservancy

Did not have any contact with the Highways Department in view of the effectiveness of the Naturalists' Trust.

C. Berkshire, Buckinghamshire and Oxfordshire Naturalists' Trust

In 1969 had a list of 61 sites of potential interest but in fact only 14 of these were scheduled with the Highways Department and since that time 9 of those had had to be deleted. The remaining five of the originally scheduled sites and a new site at SU 620750 are shown in the accompanying list. The balance of unscheduled sites are to be resurveyed in due course and notified as necessary. The Trust had generally found the Department to be sympathetic to conservation, and was hoping shortly to establish more formal relations to replace the rather informal contacts of the past that suffered from lack of continuity.

1	2	3	4	5	6	7	8	9	10
BERKSHIRE - all scheduled									
22	SU 333663	C	Sanham Turn	500	B	P	P	ENH	Ornithogalum pyrenaicum
22	SU 620750	C	Bene Court Road	200	B		V	FDM	Festuca heterophylla
22	SU 448988	A 338	Besselsleigh - Frilford	2500		P	VP	GAD	Silene conica
22	SU 458990	C	Cothill	500		P	P		Artemesia absinthium
22	SU 772757	A 321	Sonning	100		P	P		Astragalus glycyphyllos
22	SP 472044	A 420	Cumnor Hill	200		P	VP	SBD	Astragalus glycyphyllos

7. BUCKINGHAMSHIRE

A. County Council Highways and Bridges Department

No contact with the Nature Conservancy but good on-going liaison with the Naturalists' Trust. Sites of special Conservation interest had been scheduled and were protected but not marked with posts.

B. Nature Conservancy

No direct contact with the Highways Department owing to effective liaison by the Naturalists' Trust.

C. Berkshire, Buckinghamshire and Oxfordshire Naturalists' Trust

There had been generally good contact with the County Highways Department for some years. Of the 11 special sites listed in 1969, four (SU 868965, SU 962840, SP 845055, SP 939340) still had to be resurveyed, but in the interval to November 1973 14 new sites had been added. During 1973 the Trust had had contact with the Highways Department on a number of occasions and had found the Department most co-operative and ready to help with the Trust's recommendations for the management of sites of particular interest. At a meeting in April 1973 the Department had agreed to return to the general principles of roadverge management laid down in 1969, but which had lapsed somewhat in the interval. It was arranged that meetings should be held in March of each year to review the results of the previous year's management programme and discuss the programme for the coming season. In August 1973 the Trust had circulated all the Parish Councils in the County to explain the work of the Trust on roadside verge conservation. Nearly 30 replies had been received from Councils by early November, most of whom supported the work of the Trust and the concept of the conservation of roadsides for flowers and wildlife.

1	2	3	4	5	6	7	8	9	10
BUCKINGHAMSHIRE - all scheduled									
24	SU 787916	C	Fingest		E		P	GBD	Tetragonolobus maritimus
24	SU 858986	C	Bryants Bottom		E		VP	GBD	Verbascum nigrum and mixed chalk flora
24	SP 826019	C	Pink Hill (Wardrobes Lane*)		S		VP	GBD	Listera ovata, Dactylorchis fuchsii
24	SP 830045	C	Longdown Hill	500m	S		P	GBD	Anacamptis pyramidalis
24	SP 893020	A 413	Great Missenden		W		VP	GBD	Verbascum nigrum
24	SP 852107	B 4544	Weston Turville		N		P		Ornithogalum umbellatum
24	SP 901049	C	The Lee				P		Epipactis purpurata
24	SP 826019	C	Wardrobes Lane*		N		VP	GBD	Juniperus communis
24	SP 882058	C	The Lee		N		VP	GBD	Primula vulgaris, Viola hirta
24	SP 914004	C	Hyde Lane		W		P	GNC	Helleborus viridis
					E		P	GNC	Sedum telephium
24	SU 972972	A 404	Amersham		E		VP	GBD	Mixed Chalk flora
24	SU 981960	A 413	Amersham		E		VP	GND	Echium vulgare, Lathyrus nissolia, Melilotus alba, Symphytum officinale
24	SP 819026	C	Brimmers Road		N		VP	GBD	Pentaglottis sempervirens
24	SP 821034	C	Kop Hill		N		VP	GBD	Reseda lutea, Helianthemum chamaecistus
24	SP 822054	A 4010	Upper Icknield Way		E		VP	GBD	Mixed chalk flora
24	SP 860003	C	Hampden Road		W		P	EBH	Helleborus viridis
					B	P		EBH	Adoxa moschatellina
24	SU 865992	C	Hampden Road		W		P		Geranium pratense
24	SU 834947	A 4010	West Wycombe		W		VP	GBD	Verbascum nigrum Malva moschata
24	SP 612204	A 41	Bicester Road		S		VP	GNI	Conium maculatum, Sanguisorba officinalis
								RDW	Iris pseudacorus
					N		P	GNI	Rhinanthus minor
24	SP 856357	A 5	Denbigh Cutting		B		VP	GBD	Dactylorchis fuchsii Blackstonia perfoliata
24	SU 8--8--	C	-		B		P	FFM	Epipogium aphyllum

8. HAMPSHIRE

A. County Council Surveyors' Department

Reported in 1972 that there was no liaison with the Nature Conservancy on the subject of the management of roadside verges. There was some liaison with the Naturalists' Trust and 32 sites of interest had been scheduled, although they were not marked on the ground, nor was there any management agreement for them. In 1969 the then County Surveyor had complained of a lack of information from the Naturalists' Trust about species and sites for conservation (Way, 1969).

A County Council verge management policy to meet conservation requirements was approved at a meeting of Divisional Surveyors in September 1972. This document formed the basis of a recommendation to the County Roads and Bridges Committee to amend their previous Verge Maintenance Policy dated April 1972, in the interests of the conservation of the countryside. In March 1973 a meeting was held in the Highways Department between the officer concerned with roadside maintenance for the County, representatives from the Nature Conservancy, the Naturalists' Trust and the National Farmers Union. Later in the year the Nature Conservancy and the Naturalists' Trust received letters from the Highways Department describing complaints that had been made by the public about the untidy effect of the verge maintenance policy, and seeding noxious (injurious) weeds. The Department was hoping for comments from the conservation organisations about benefits to wildlife from the policy to set against the criticisms that they had received. 22

B. Nature Conservancy

Reported in 1973 that there had been intermittent contact with the County Surveyor over road verge management for several years but did not feel that this had been very successful.

C. The Hampshire and Isle of Wight Naturalists' Trust

In 1973 the conservation committee of the Trust expressed satisfaction at the state of the road verges during the summer. A proposal had been made to re-convene the Trust's Verges Sub-Committee in 1974 with the object of checking and revising the list of scheduled sites. The list had originally been compiled during the period 1967-1971 (except for one site in 1973) by individual members of the Trust and information on site location presented to the Highway Department in the form of half-inch circles on a one inch map, with the centre of the circle at the map reference given. It is now felt that this may be insufficiently precise to help the tractor driver avoid plants of interest at the actual time of mowing, particularly as there are no posts or other indications on the ground to help him. In one case a site has been marked by a post, in this case put up by the RDC's Assistant Surveyor. In a very few instances management proposals had been noted at the time of the compilation of the lists of sites.

1	2	3	4	5	6	7	8	9	10
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HAMPSHIRE - Not all of these sites have been scheduled with the Highways Department

11	SU 104159	U	Damerham						
11	SU 109160	B 3708	Damerham						Ranunculus auricomus, Melica uniflora
11	SU 10-16-	C 222	Damerham		SE				
11	SZ 128971	C 137	Hurn		N				Teesdalia nudicaulis
11	SZ 14-97-	C 137	Hurn		S				Ditch flora. Hydrocharis morsus-ranae
11	SZ 149979	123	Sopley	80	E				Campanula sp.
11	SZ 149981	A 338	Avon Valley Road	100	E				Campanula rapunculus, Rumex pulcher
						SE			Chenopodium bonus-henricus
11	SU 156076	120	Blashford						Polygonum dumetorum
11	SU 159179	A 338			E				Campanula rapunculus
11	SU 164084	106	Moyles Court		S				Teesdalia nudicaulis
11	SU 164107	119		30	SE				Pulicaria vulgaris
11	SU 241109	A 31			S				Polygonatum odoratum, Convallaria majalis Botrychium lunaria
12	SU 244447	C 77							Mixed hedge and representative chalk flora
12	SU 269364	84			W				Cirsium eriophorum
12	SU 292455	A 303		200	S				Symphytum x uplandicum Geranium pratense
12	SU 293481	C 3	Little Shoddesden		S				Cicerbita macrophylla
12	SU 293482	C 3	Little Shoddesden		N				Lotus tenuis
11	SU 313336	C 172	Broughton	200	S				Campanula rapunculoides
11	SU 317290	B 3084	Broughton	100	E				Platanthera chlorantha Genista tinctoria Carex otrubae Marsh and meadow flora

1	2	3	4	5	6	7	8	9	10
HAMPSHIRE - contd.									
12	SU 335376		Danebury Hill						Astragalus danicus Senecio integrifolius Orobanche elatior
		80/89/C91							
12	SU 345415	C 65	Redrice House						Galanthus nivalis
11	SU 35-25-	67	Michelmersh	200					Polygonatum multiflorum Geum rivale Galeobdolon luteum Endymion non-scriptus and other woodland and marsh flora
11	SU 354333	41	Marsh Court	200	W				Sambucus ebulus
11	SU 355337	41	Stockbridge		B				Symphytum x uplandicum
12	SU 372592	C 33							Chalk flora
12	SU 373375	A 3057							Aconites from adjoining garden
12	SU 376409	A 3057	Red Hill	300	E				Cirsium eriophorum, Ononis spinosa, Anacamptis pyramidalis, Gymnadenia conopsea, Erigeron acer and other downland plants
12	SU 380393	A 3057	Fullerton junction						Sambucus ebulus
	SZ 384792	135	Lodge Farm						Rubia peregrina, Viola hirta, Pulmonaria longifolia
11	SU 395295	79	Farley Mount						Geranium pratense
11	SU 410331	U	Upper Somborne	60	E				Anacamptis pyramidalis Gymnadenia conopsea and Chalk flora
11	SU 417292	171	Sarum Road						Platanthera chlorantha
11	SU 420292	171							Prunella laciniata
11	SU 425293	171	Sarum Road						Epipactis helleborine
11	SU 429271	C 174	Standen		S				Galega officinalis
11	SU 431253	170	Hursley						Sedum telephium and mixed flora
11	SU 435255	170	Bunstead						Mixed flora

1	2	3	4	5	6	7	8	9	10
HAMPSHIRE - contd.									
12	SU 431463	U	Hurstbourne Priors	100	S				Symphytum x uplandicum
11	SU 435297	C 174	Sparsholt Road						Mixed flora
11	SU 451269	170	Port Lane						Hyoscyamus niger
12	SU 460340	B 3240							Monotropa sp. and other orchids
12	SU 463557	A 34			E				Mixed flora
12	SU 475593	18	Ecchinswell	1 mile	B				Orobanche sp. and mixed flora
12	SU 483500	26							Orobanche sp. and mixed flora
12	SU 492570	2			W				Large white helleborine
12	SU 505291	A 272	Winchester						Geranium pratense
12	SU 50-31-	C 238	Winchester						Geranium pyrenaicum
									Orobanche elatior
12	SU 508590	C 155	Nothing Hill		S				Chalk flora
12	SU 51-51-	B 3051	Overton						Orobanche elatior, Knautia arvensis, Reseda lutea, Hypericum sp.
12	SU 518437	A 30	Micheldever Tunnel						Cerastium arvense
									Potentilla tabernaemontani
12	SU 525281	A 272	Telegraph Hill		W				Aceras anthropophorum, Gymnadenia conopsea, Anacamptis pyramidalis, Ophrys apifera, Listera ovata, Juniperus communis, Polygala calcarea
11	SU 543064	C 375	Titchfield Abbey						Cardamine amara
12	SU 546509	19							Chalk flora and mixed hedges
11	SU 550218	197	Hedgerows and Verges near Upham						Aceras anthropophorum,
11	SU 558213	C 9							Anacamptis pyramidalis
11	SU 558216	C 9							Chalk flora
									Orobanche elatior
12	SU 559331	179	Itchen Stoke		W				Campanula rapunculoides
12	SU 577390	258							Galanthus nivalis

1	2	3	4	5	6	7	8	9	10
HAMPSHIRE - contd.									
11	SU 592136	C 178	West Walk						<i>Sedum telephium</i>
11	SU 6 2				B	P			Orchidaceae
11	SU 626104	195	Beckford Lane						<i>Geranium pyrenaicum</i>
11	SU 630109	195	Beckford Lane						<i>Geranium pyrenaicum</i>
11	SU 653156	C 50	Whitedale House						<i>Geranium pyrenaicum</i>
11	SU 6 2				E				<i>Cephalanthera longifolia</i>
12	SU 677310	C 18	Monkwood		N				<i>Epipactis purpurata</i>
11	SU 683066	C 423	Crookhorn Lane						<i>Geranium pratense</i>
									Orchidaceae
12	SU 710257	U	Broadhanger House		S				<i>Geranium pratense</i>
12	SU 741310	213	Vann Farm		N				<i>Helleborus viridis</i>
					B				<i>Arum neglectum</i>
12	SU 746274	212	Wheatham Hill		B				<i>Arum neglectum</i>
									<i>Arum neglectum</i> ssp. <i>italicum</i>
12	SU 77-35-	C 70	Oakhanger						<i>Ornithogalum nutans</i>
12	SU 794384	B 3304	Kingsley Common		N				<i>Potentilla argentea</i> , <i>Claytonia</i> (<i>Montia</i>) <i>perfoliata</i> , <i>Turritis</i> <i>glabra</i>
12	SU 812315	B 2131	Longmoor Road		S				<i>Pyrola minor</i>

9. ISLE OF WIGHT

A. County Council Roads and Planning Department

Reported in 1972 that there was a general contact with the Nature Conservancy, but not specifically on the subject of roadside verges. There was very little contact with the Hampshire and Isle of Wight Naturalists' Trust, but there was a continuing liaison with the Isle of Wight Natural History and Archaeological Society, who were actively scheduling sites of conservation importance together with proposals for their management. The Society was also being kept informed of and asked to comment upon the Department's policies for the maintenance of roadsides in general on the Island. In 1973 a meeting was arranged at the Roads Department's request with the Nature Conservancy to discuss technical aspects of roadside management for conservation. In 1973 the general cutting policy took regard of the recommendations made at this meeting. This was reflected in the Instructions to Mower Operators issued by the Department in May just before the cutting season began, and which specifically referred to the public interest in conservation. In addition three stretches of road were set aside as trial areas to demonstrate the effects of not cutting at all, although this was more to be a public relations than a conservation exercise.

B. Nature Conservancy

Besides the most recent contact in 1973 there had been discussions with the County Surveyor at intervals over the years. At the meeting in 1973 the Conservancy was able to recommend the Natural History Society as the local organisation with whom the Roads Department should liaise in the first instance.

C. Hampshire and Isle of Wight Naturalists' Trust

Had not been active on the Island with respect to roadsides on account of the existing liaison between the Roads Department and the Natural History Society.

D. The Isle of Wight Natural History and Archaeological Society

Drew up a preliminary list of roadside of especial importance in 1970 and has had a continuing correspondence and meetings with the Roads Department since that time. There has evidently been some earlier contact, for instance with the Newport Borough Council over the protection of the Wood Calamint Site between Apes Down and Rowbridge. In June and September 1973 the Conservation Committee was able to write to the County Surveyor commending the general cutting policy for roadsides on the Island, and commenting on good stands of wild flowers and abundance of butterflies together with other insects resulting from its implementation. In addition to the special sites notified to the County Surveyor in 1970 (which were in some cases marked on the ground and for some of which particular management proposals had been made), a number of other 'picturesque' sites had been identified but not notified.

1	2	3	4	5	6	7	8	9	10
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ISLE OF WIGHT - Not all of these sites have been scheduled with the Highways Department

10	SZ 318858	B 3322	Totland		NW		A		Lizards
10	SZ -	B 3041	Thorley						Clematis vitalba var. timbali
10	SZ 368854	A 3055	Freshwater		B				Brassica oleracea, Matthiola incana, Glaucium flavum, Crithmum maritimum, Chalk flora. Butterflies
10	SZ 388836	A 3055	Brook		N				Symphytum asperum
10	SZ 404826	A 3055			N				Lychnis flos-cuculi
10	SZ 396851	B 3399	Brook Shute						Chalk flora
10	SZ 396846	B 3399	Brook Shute						Claytonia perfoliata
10	SZ 404838	B 3399	Huverstone		N				Early flowering gorse
10	SZ 410836	B 3399	Strawberry Lane		N				Erigeron acer
10	SZ 412836	B 3399	Pitt Place		N				Viola odorata, Asplenium adiantum-nigrum
10	SZ 425835	U	Fortune's Corner		E				Centaureum erythraea, Lathyrus sylvestris, Cichorium intybus, Orobanche minor, Mixed flora and insects.
10	SZ 424844	U	Brightstone Shute						Chalk flora
10	SZ 420851	U	Calbourne Bottom						Geranium lucidum
10	SZ 425862	U	Westover		E				Lunularia cruciata
10	SZ 454867	U	Apes Down						Calamintha sylvatica
10	SZ 442827	B 3399	Orford Cottage						Calystegia pulchra
10	SZ 445827	B 3399	Monks Path						Saponaria officinalis
10	SZ 458840	B 3323	Cheverton Shute		B				Primroses
10	SZ 473872	B 3323	Bowcombe		NW				Erigeron acer
10	SZ 480877	B 3323			NW		B		Chalk flora
10	SZ 547773		Heights Hotel						Orchidaceae
10	SZ 435902		London Heath						Orchidaceae
10	SZ 602893		Hardingshute Road						Anacamptis pyramidalis, Sedum telephium

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ISLE OF WIGHT - contd

10 SZ 576798

10 SZ 565888

10 SZ 581883

10 SZ 514813

10 SZ 513832

10 SZ -

Cowlease

Rowland's Copse

Ashey Road

Beacon Alley

Bohemia

Blackwater Hollow

Ophrys apifera et al.

Ophrys apifera

Allium triquetrum

APV

Plants and birds

Umbilicus rupestris

Orchis morio

10. OXFORDSHIRE

A. County Council Highways Department

There was general contact with the Nature Conservancy but not specifically on the subject of roadside verges. The Nature Conservancy contact was also maintained through the Naturalists' Trust which had a close liaison with the Department and with the Planning Committee, although it was not represented on the Countryside Committee. There was first line liaison between the Trust and the Department's Area Surveyors. A number of special conservation sites had been scheduled and marked on the ground with posts, but there were no specific management agreements for them, other than to leave them alone.

B. Nature Conservancy

Liaison through the Naturalists' Trust.

C. Berkshire, Buckinghamshire and Oxfordshire Naturalists' Trust

Of the original 49 sites scheduled in 1969, 17 had been deleted up to December 1973, three new sites and two additional species to an old site had been added, and 16 of the original sites needed to be resurveyed in 1974. Oxfordshire County Council supplied the four foot posts for marking the sites and the Naturalists' Trust put them in.

1	2	3	4	5	6	7	8	9	10
OXFORDSHIRE - all scheduled									
23	SU 636927	C	Cottesmore Farm	200	S	P	P		Sambucus ebulus
23	SP 249151	A 424	Taynton Down		E	P	P	OBK	Astragalus danicus
23	SP 295173	B 4437	Shipton-under-Wychwood	1600			P	GBD	Campanula glomerata
23	SP 328194	B 4437	Rangers Lawn		B	P	VP	GBD	Orchidaceae Campanula glomerata
23	SP 400168	C	Stonesfield Combe		N		VP	GBD	Astragalus danicus, A. glycy- phyllos, Orchidaceae
23	SP 360231	U	Spelsbury	780	B		P		Salvia pratensis
23	SP 447196	B 4027	Milford Furze		B	P	VP	GBD	Astragalus glycyphyllos
23	SP 467185	A 423	Woodstock	50	E	P	VP	GBD	Ophrys apifera
23	SP 551190	A 421	Wendlebury	700	E	P	A		Entomology
23	SP 536256	A 43	Middleton Stoney	800	W	P	P	GBD	Salvia pratensis
23	SP 352338	C	Hook Norton	100	E	P	P		Inula helenium
23	SP 343303	C	Hook Norton	200	B	P	P		Colchicum autumnale
23	SP 370188	B 4437	Charlbury	400	S	P	P		Anemone nemorosa

11. WILTSHIRE

A. County Council Roads and Bridges Department

Reported in 1972 that there was good contact with the Regional Office of the Nature Conservancy by whom a schedule of confidential conservation sites had been prepared in 1970. These had been accepted by the Department and special arrangements had been made with the Divisional Surveyors for their protection and management. There was no formal contact with the Naturalists' Trust but a good informal one. In 1969 the County Surveyor (Chadwick, 1969) considered that amenity (including wild plants and animals) should be given a heavy weighting in the design of systems of management of roadsides, where appropriate and where this did not interfere with engineering and traffic considerations. This thinking is reflected in the general management policy for roadside management for the County (Way, 1973) in which only the first swath of the verge is cut and the back verges are left, except where sightlines and safety considerations are over-riding.

B. Nature Conservancy

Reported in 1973 on liaison with the Roads Department on behalf of the Naturalists' Trust, in the absence of a Conservation Officer in the Trust itself. When a full time officer of the Trust had been appointed it was expected that he would take over liaison matters on roadsides from the Conservancy. Particular interest had been taken by the Regional Office, with the co-operation of the Department, in the developing flora on the M4 Motorway in the County (Horton, 1972, and in press).

C. Wiltshire Trust for Nature Conservation

There were no formal arrangements with the Roads and Bridges Department, except that the list of scheduled sites of Conservation interest had been submitted to the Department in the name of the Trust.

1 2 3 4 5 6 7 8 9 10

WILTSHIRE - all scheduled

7	SU 2--8--	Viola odorata, Picris hieracioides
7	SU 2--8--	Lathyrus aphaca, Centaurea scabiosa (White flowered)
7	SU 2--9--	Sambucus ebulus
7	ST 9--9--	Vinca minor
7	SU 0--8--	Saponaria officinalis, Coronilla varia
7	SU 2--7--	Mentha rotundifolia
7	SU 1--6--	Geranium pratense (White flowered)
7	SU 1--6--	Melampyrum arvense
7	ST 9--6--	Turritis glabra
7	ST 9--6--	Sedum telephium
7	SU 0--6--	Lathyrus sylvestris, Euphorbia virgata
7	ST 8--7--	Saponaria officinalis Sambucus ebulus
7	ST 8--7--	Helleborus viridis
7	ST 8--7--	Anacamptis pyramidalis, Orchidaceae
7	ST 8--6--	Ornithogalum pyrenaicum
7	ST 8--6--	Sambucus ebulus
8	ST 9--3--	Lathyrus aphaca
8	SU 1--2--	Asarum europaeum
8	SU 2--3--	Juniperus communis and mixed flora
8	SU 1--2--	Ornithogalum umbellatum
8	ST 9--2--	Orchidaceae and mixed flora.
8	SU 2--3--	Ornithogalum pyrenaicum

Chapter IV

NATURE CONSERVANCY SOUTHEAST REGION

12. HERTFORDSHIRE

13. KENT

14. SURREY

15. EAST SUSSEX

16. WEST SUSSEX

In this region Hertfordshire is joined with Middlesex in the Hertfordshire and Middlesex Trust for Nature Conservation, but information on roadside verges for this report has only been collected in Hertfordshire. The Sussex Trust for Nature Conservation covers the two administrative Counties of East and West Sussex.

12. HERTFORDSHIRE

A. County Council Highways Department

Reported in 1972 that there was no direct contact with the Nature Conservancy but that there was good contact with the Naturalists' Trust. Sites of special interest had been scheduled and marked on the ground with posts. There was an agreement not to mow them between the end of May and the end of September.

B. Nature Conservancy

Effective liaison with the Highways Department was maintained through the Naturalists' Trust.

C. Hertfordshire and Middlesex Trust for Nature Conservation

Roadside verge sites of conservation interest were scheduled with the Highways Department in May 1970. A revision of the scheduled sites was being made in the spring of 1974.

1	2	3	4	5	6	7	8	9	10
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HERTFORDSHIRE - all scheduled

20	TL 201325		Wilbury Hill		E				
20	TL 106300		Hexton						
20	TL 123262		Lilley Bottom						
20	TL 385340	B 1368	Barkway	100	W				
20	TL 241262		Stevenage		NE				
20	TL 037935	A 412	West Hyde	100	N				
20	TL 232346		Norton						
20	TL 213326	Foot- path	Letchworth						
20	TL 215329		Norton Common		N				
20	TL 233347		Norton		E				
20	TL 372397	B 1039	Barley						
20	TL 285370	A 405	Therfield Heath		B				
20	TL 410380		Shaftenhoe End		B				

13. KENT

A. County Council Roads Department

In 1972 reported that liaison with the Nature Conservancy was through the Naturalists' Trust. There was active liaison with the Trust at Departmental headquarters level but the Roads Department would also have liked to have had more contact at Divisional Surveyor level. This had been discussed but did not seem to have materialised. Many sites of special interest had been scheduled, and marked on the ground, with specific arrangements about the management of a number of individual sites. In March 1969 the County Surveyor issued an internal circular on grass cutting to his staff that set out instructions for marking and standards of maintenance for (inter alia) verges of botanical interest. Copies of this circular were sent to the Nature Conservancy and to the Naturalists' Trust. The circular also called for the co-operation of the Roads Department in the conservation of wild plants and animals on roadsides generally.

B. Nature Conservancy

Had provided the Roads Department with the original list of sites of importance in 1968. This was up-dated in March 1969 by the Naturalists' Trust. Contact in 1973 with the Roads Department was through the Trust.

C. Kent Trust for Nature Conservation

In December 1973 the Trust was considering improving its liaison with the Roads Department and reviewing the list of scheduled sites. There had not been any further review of this list since 1969 and it was thought that many of the marker posts put up at that time might have disappeared in addition to any changes that might have happened to the vegetation. There had been some work by a post-graduate student (Miss C. Brewster) at Wye College in 1972 to identify sites of conservation potential in the Stour Valley. She had described eight new sites and details of these had been sent by her to the Trust and to the County Surveyor. However, they do not appear in the list of scheduled sites available at the time of writing this report.

In April 1974 the Trust reported that the Kent Field Club had been carrying out a survey of the flora of the County, and that this was being collated and checked with reference to the list of roadside verge sites. It was intended that the Trust's Conservation Officer should visit the County Surveyor and Divisional Surveyors (following the changes arising from the Local Government reorganisation) to discuss arrangements for the conservation of important sites.

1	2	3	4	5	6	7	8	9	10
KENT - all scheduled with the Highway Department									
15	TQ 759283	A 229	South of Hawkhurst	50	W		P		Cardamine bulbifera
15	TQ 703480	B 2162	Benover	50	W		V	RDW	
15	TQ 714465	B 2162	Collier Street	900			V	RDW	
15	TQ 770471	A 229	Bogden	50			VP	RDE	Carex vulpina
15	TQ 784455	A 229	Sweetlands Corner	100			VP	RDE	Carex vulpina
15	TQ 706534	A 26	Teston	50			P		Equisetum telmateia
15	TQ 718524	B 2163	W. Farleigh	300			P		Tragopogon pratensis
15	TQ 710532	B 2163	W. Farleigh	300			P		Agropyron caninum
15	TQ 733576	A 2020	Aylesford	100	N		P		Lactuca virosa
15	TQ 738580	A 20(M)	Maidstone by-pass	800					
15	TQ 754580	A 229	Sandling	100	W		P		Astragalus glycyphyllos
15	TQ 763582	A 20(M)	Maidstone by-pass		N		V		
15	TQ 772577	A 20(M)	Maidstone by-pass		N		V		
15	TQ 786507	B 2163	Cock Street	1600			P		Pimpinella major
15	TQ 798585	A 249	Detling Hill Banks	800			V		
15	TQ 707712	A 226	Court Wood	50			VP	FDM	Lathyrus sylvestris
15	TQ 843432	A 274	S.E. of Headcorn	100			P		Rumex alpinus
15	TQ 825543	A 2020	Eythorne Street	800			P		Orobanche elatior
15	TQ 842532	A 20	Warren Wood	600	N		VP	FDM	Vulpia ambigua
15	TQ 849558	B 2163	Hollingbourne Hill	1000			V	GBD	
15	TQ 849580	A 20	Chegworth	600	B		P		Verbascum lychnites
									Carex muricata
15	TQ 868636	A 249	Chestnut Street	250	S		V		
15	TQ 874638	A 249	Chestnut Street	200	E		V		
15	TQ 879641	A 249	Key Street/Chestnut Street	300	E		V		
15	TQ 883647	A 249	Bobbing	300	S		P		Calamintha nepeta
15	TQ 991358	B 2070	Bitchett Wood	300			VP	FDM	Carex vulpina
15	TQ 970467	A 20	Hothfield Common	400	W		V		
15	TQ 995445	A 20	Potters Corner	700			V	GAD	
15	TR 076259	A 259	Romney Warren	700	N		V		
15	TR 078261	A 259	Warren House	100	S		V		
15	TR 072354	B 2067	Postling Green	1200			P		Cirsium eriophorum
									Astragalus glycyphyllos
									Vicia sylvatica

1	2	3	4	5	6	7	8	9	10
KENT - contd									
15	TR 025483	A 251	Boughton Court	50			P		Hieracium spp.
15	TR 041414	A 20	E. of Willesborough	400	N		P		Silene nutans, Linum bienne
15	TR 089492	C	Winchcombe Farm	100			P		Aceras anthropophorum
15	TR 041523	A 252	Park Wood, Molash	50			P		Mentha rotundifolia
									Astragalus glycyphyllos
15	TR 134431	B 2068	Westwood Lyminge	600	E		P		Convallaria majalis
									Hieracium spp.
15	TR 132534	C	S.W. of Iffin Wood				P		Thesium humifusum
15	TR 186537	A 2	Bridge Hill	400			P		Atropa belladonna
15	TR 190579	A 257	Oldridge Wood	800	B		V		
15	TR 197576	A 257	Pine Wood, Littlebourne	800	N		V		
15	TR 294436	A 2	River	100	N				Orobanche caryophyllacea
15	TR 226517	B 2046	S.W. of Adisham	600	E		P		Rosa spp.
16	TQ 565561	A 25	Seal Chart	1000			P		Vaccinium myrtillus
16	TQ 618592	A 20	Wrotham by-pass	300	N		P		Lathyrus aphaca
16	TQ 637686	A 227	Nurstead		E		P		Astragalus glycyphyllos
- recorded in 1972. Not scheduled									
15	TR 107554	A 28			N				Sison amomum
15	TR 078538	A 28			S				Lathyrus nissolia
15	TR 063424	U	Hackliott Wood		S				Lathyrus nissolia
15	TR 074488	U			E				Aceras anthropophorum
									Anacamptis pyramidalis
									Gymnadenia conopsea
15	TR 084489	U			E				Anacamptis pyramidalis
									Gymnadenia conopsea
15	TR 072486	U			W				Aquilegia vulgaris
15	TR 088473	U			E				Epipactis helleborine
15	TR 087538	U			E				Thalictrum flavum

14. SURREY

A. County Council Highways and Bridges Department

Reported in 1972 that there was effective liaison with the Nature Conservancy through the Naturalists' Trust. Sites of special importance had been scheduled and pegged out on the ground, with agreement not to cut them between May and August. In April 1970 the County Surveyor had issued a grass verge cutting Policy statement to his Divisional Surveyors that paid a good deal of attention to conservation of wild plants. The resulting management treatments were considered to have been generally very successful. In March 1971 the County Surveyor wrote again to Divisional Staff asking for the procedures to be repeated with some amendments that called for even less cutting than before. The 1971 recommendations continue with minor modifications to the present time.

B. Nature Conservancy

Reported that liaison with the Highways Department was through the Naturalists' Trust.

C. Surrey Naturalists' Trust

The original list of sites of conservation importance was drawn up in May and September 1969, together with suggestions for special management. It has since been revised with some deletions and a number of additions (April, 1974). The Trust reported the complete co-operation that it had with the Highways Department, and that it had been consulted by the County Surveyor in drawing up his policies for the management of roadsides in the County.

1	2	3	4	5	6	7	8	9	10
SURREY - all scheduled									
17	SU 976652	U	Longcross Halt		B		VP	GAD	Dianthus armeria and mixed flora
17	SU 993631		Stonehill Road		B		V	GND	Mixed flora
17	SU 909600	B 3015	The Maultway, Cobham Ridges		B		V		Chalk flora in Bagshot Beds area
17	SU 857454		Monks Walk, Farnham		B		P		Polygonum dumetorum
17	SU 911455		Cut Mill Cross Roads	400x4	B		V	TND	Mixed flora
17	SU 855474	A 31	Farnham by-pass		S		P		Lathyrus nissolia
17	TQ 127477	A 25	Wotton	200	S	P	P	GAD	Saxifraga granulata Polygonatum multiflorum
17	TQ 115500	C44		50	B		P	FBM	Epipactis purpurata
17	TQ 368581	B 269	Chelsham	100	N	P	P	FFM	Epipactis purpurata
17	TQ 1--5--			350	B		P	FFM	Epipactis leptochila Zerna benekenii
17	SU 8--3--			50	B	P	P	FDM	Epipactis phyllanthos
17	SU 8--4--				W	P	P	GAD	Epipactis phyllanthos
17	SU 955637		Valley End		B		V	GND	Mixed flora
17	SU 962610		Pennypot lane		B		V	GNI	Stellaria neglecta Mixed flora
17	SU 892482		Seale		E		V	GBD	Chalk flora
17	SU 897481		Seale		B		V	EBH	Chalk flora
17	SU 872394		Thursley Road		SE	P	P	DAD	Tritomaria exsectiformis
17	TQ 3--4--				N	P	P		Carex vulpina
17	TQ 1--6--				S		P		Epipactis phyllanthos

15. EAST SUSSEX

A. County Council Highways and Transportation Department

Reported in 1972 that contact with the Nature Conservancy on the subject of roadsides was through the Naturalists' Trust. There was a close and effective liaison with the Naturalists' Trust originating some 10 years previously. Road verge sites of special conservation interest had been scheduled and inconspicuously marked; there were management agreements regarding these sites either not to mow in the flowering season or, in some cases, not to mow at all and strict instructions had been given to maintenance foremen regarding this. There was also liaison with the Naturalists' Trust on roadwidening and improvement schemes, dumping and other matters to do with conservation and highways.

B. Nature Conservancy

Liaison with the Highways Department through the Naturalists' Trust.

C. Sussex Trust for Nature Conservation

The Trust's original list of sites of special interest was drawn up in 1966, and, with two additions (the Ononis spinosa site at Berwick and the Jasione montana site at Witherenden) remained the same for the BRC report in 1969. There had been no subsequent additions or deletions.

1	2	3	4	5	6	7	8	9	10
EAST SUSSEX - all scheduled									
14	TV 507994	A 259	Exceat Bridge	20	N		P		Lathyrus aphaca
14	TQ 247114	C	Fulking	20	N		P		Ceterach officinarum
14	TQ 372131	B 2116	Offham	20	S		P		Geranium pratense
14	TQ 30-24-	B	Cuckfield	30	E		P		Orchis mascula, Viola spp., Vicia sp.
14	TQ 385211	A 272	Chailey Common	800	N		P		Viola lactea, Carex montana
14	TQ 426054	C	Southease	800	B		P		Tragopogon porrifolius
14	TQ 495051	C	Firle	20	S		P		Dianthus plumarius, Phyteuma spicatum, Phyteuma tenerum
14	TQ 439294	A 22	Nutley	1200	W		V	GAF	
14	TQ 410334	C	Forest Row	1200	S		P		Pyrola rotundifolia
14	TQ 461321	C	Coleman's Hatch	1200	N		V	GAD	
14	TQ 524055	B 2108	Berwick		E		P		Ononis spinosa
14	TQ 559082	C	Abbots Wood	20	N		P		Phyteuma spicatum
14	TQ 514136	C	Stone Cross	2400	B		P		Dactylorchis fuchsii, Lychnis flos-cuculi, Cardamine pratensis
14	TQ 576147 ?	C	Gun Hill, Chiddingly	20	W		P		Geranium versicolor
14	TQ 508208	C	Framfield	40	B		P		Phyteuma spicatum
14	TQ 539223	C	Hadlow Down	20	S		P		Phyteuma spicatum
14	TQ 551205	C	Cross-in-Hand	15	W		P		Phyteuma spicatum
14	TQ 585269	A 267	Mayfield	20	N		P		Aristolochia clematitis
14	TQ 587269	C	Mayfield	20	N		P		Potentilla recta
14	TQ 576328	C	Saxonbury Hill	800	N		V	GAD	
14	TQ 645103	C	Herstmonceux	40	B		P		Geranium phaeum
14	TQ 685139	C	Ashburnham	800	E		P		Solidago virgaurea
14	TQ 606233	C	Broad Oak	20	B		P		Phyteuma spicatum
14	TQ 602280	C	Mayfield				P		Cardamine bulbifera

1	2	3	4	5	6	7	8	9	10
EAST SUSSEX - contd									
14	TQ 64-26-	B 2181	Witherenden				P		Jasione montana
14	TQ 737189	C	Netherfield	30	S		P		Ophioglossum vulgatum
14	TQ 768141	C	Telham Hill	50	S		P		Polygonum bistorta
14	TQ 764189	B 2095	Whatlington	100	E		VP GAD		Linum bienne
14	TQ 767208	B 2089	Cripps Corner	20	N		VP FDM		Epipactis helleborine
14	TQ 764266	A 229	Hawkhurst	20	W		P ENH		Cardamine bulbifera
14	TQ 826173	A 28	Westfield	50	W		P		Orchis morio
14	TQ 878185	C	Udimore	20	N		P		Inula helenium
14	TQ 855211	C	Beckley	20	E		P		Platanthera chlorantha
14	TQ 956189	C	Camber	100	S		P		Poa bulbosa
14	TQ 933202	C	Camber	2500	S		VP OAJ		Salvia horminoides

16. WEST SUSSEX

A. County Council Surveyors' Department

No direct contact with the Nature Conservancy. Close and effective liaison with the Naturalists' Trust. Roadverge sites of special conservation interest were scheduled and marked on the ground. Early in 1973 the County Surveyor issued a document on 'County Verge Management Policy - Grass Cutting' that paid considerable attention to conservation interests. This resulted in experimental treatment of one third of the mileage of rural road verges, involving a programme of very much less cutting than hitherto.

B. Nature Conservancy

Liaison with the Surveyors' Department was through the Naturalists' Trust.

C. Sussex Trust for Nature Conservation

The Trust drew up a detailed list of sites of special conservation interest in 1966 with suggestions for their management. This list with minor alterations was reproduced by the Biological Records Centre in 1969. There have been no subsequent additions or deletions. The Trust's recent policy has been to press both East and West Sussex County Councils for an overall strategy of roadside maintenance, rather than to increase the number of special sites, except where a verge of exceptional interest had been discovered. The 1973 change in the maintenance policy of the West Sussex Surveyors' Department had been welcomed by the Trust and it was hoped, in view of the reported success of the reduced management programme on a proportion of the County roads, that it would be possible to apply these changes to all the verges in the County for the next season.

1	2	3	4	5	6	7	8	9	10
WEST SUSSEX - all scheduled									
13	SZ 850998	B 2145	Sidlesham Green	600	B		P		Tragopogon porrifolius
13	SU 795193	C	E. Harting Village	20	N		P		Sambucus ebulus
13	SU 842192	C	Didling	10	W		P		Inula helenium
13	SU 896187	C	Heyshott Green	20	E		P		Geranium lucidum
13	SU 906053	C	Woodhorn Lane	50	E		P		Ophrys apifera
13	SU 939069	A 27	Fontwell	20	N		P		Arum italicum
13	SU 908116	C	Goodwood	20	N		P		Coeloglossum viride
13	SU 955156	A 285	Duncton	440	E		VP	GBD	Gymnadenia conopsea Coeloglossum viride
13	SU 983166	C	Sutton End	20	E		P		Sedum telephium
13	TQ 019077	C	Arundel	20	E		P		Epipactis phyllanthes
13	TQ 021082	C	Arundel	400	N		VP	EBH	Arum italicum, Epipactis phyllanthes, Rubia peregrina
13	TQ 000160	C	West Burton	30	N		P		Orchis mascula
13	TQ 027186	A 283	Stopham	20	N		P		Jasione montana
13	TQ 034125	C	Amberley Mount	800	B		VP	EBH	Lathyrus aphaca
13	TQ 03-13-	C	Amberley Village		B		V	ONQ	
13	TQ 045183	A 29	Pulborough	20	E		P		Cuscuta europaea
13	TQ 054186	A 283	Pulborough Marehill	20	N		VP		Ceterach officinarum
13	TQ 065171	A 283	Pulborough Wiggonhalt	20	W		P		Stellaria neglecta
13	TQ 015203	C	Little Bognor	880	W		P		Hieracium exotericum, Luzula pilosa, L. forsteri, L.x borreri
13	TQ 04-25-	A 272	Wisborough Green	30	N		P		Orchis mascula
13	TQ 154184	A 24	Dial Post	120	W		P		Lathyrus nissolia
13	TQ 113301	C	Hayes Lane, Slinfold	2640	B		P		Ranunculus auricomus Geranium lucidum
13	TQ 21-15-	A 2037	Barrow Hill, Henfield		E		P		Allium paradoxum, Hypericum montanum, Allium triquetrum, Veronica crista-galli, Aremonia agrimonoides

1	2	3	4	5	6	7	8	9	10
WEST SUSSEX - contd									
13	TQ 224157	C	Henfield Common	400	S		P		Potentilla palustris, Myrica gale
13	TQ 235115	C	Poynings	20	S		P		Sambucus ebulus
13	TQ 206298	C	Ashfold	20	S		P		Lathraea clandestina
13	TQ 222277	A 281	Lower Beeding	25	E		P		Melittis melissophyllum
13	TQ 209325	C	Colgate	10	E		P		Neottia nidus-avis
13	TQ 242321	C	Colgate Village	40	B		P		Orchis morio

Chapter V

NATURE CONSERVANCY MIDLAND REGION

17. CHESHIRE
18. DERBYSHIRE
19. HEREFORDSHIRE
20. LEICESTERSHIRE
21. NORTHAMPTONSHIRE and SOKE OF PETERBOROUGH
22. NOTTINGHAMSHIRE
23. RUTLAND
24. SHROPSHIRE
25. STAFFORDSHIRE
26. WARWICKSHIRE
27. WORCESTERSHIRE

17. CHESHIRE

A. County Council Surveyors' Department

No direct contact with the Nature Conservancy. The Naturalists' Trust was active, and the Trust's Chairman was a member of the County Council's Countryside Committee. A large number of roadside sites of special conservation importance had been scheduled and varying degrees of management agreed for them. These sites were not marked on the ground.

B. Nature Conservancy

Liaison with the County Surveyors' Department through the Naturalists' Trust.

C. Cheshire Conservation Trust

The Trust supplied a list of eight scheduled sites for the 1969 Biological Records Centre report. In February 1973 a further schedule of sites was prepared by the Trust, based on information received since 1969, and put out to its members to check and amend. It was also sent to the County Surveyor as a temporary measure to renew previous contact on management. In November 1973 as a result of amendments made by the Trust's eight regional groups, a consolidated list of 90 sites was prepared and is given in full below. In 1974 it is intended to thoroughly review and accurately identify the sites on the consolidated list, together with prescriptions for their management.

In addition to the special sites, the Trust has had an agreement with the County Surveyor's Department for several years on verge management generally. A review of the agreement was proposed in 1973 by the County Council to be conducted jointly between the Trust, the Planning Department and the County Surveyor.

1	2	3	4	5	6	7	8	9	10
CHESHIRE - all scheduled									
58	SJ 253859	C	Greasby	46			V	GAD	Heathland spp.
58	SJ 298782	C	Neston				V		
58	SJ 305751	C	Burton	90			VP		Geranium
58	SJ 310795		Raby	60	S		V		
58	SJ 312744		Burton				V		
58	SJ 345725	A 550	Shotwick	800	B		V		
58	SJ 372739	C	Capenhurst	45	S		VP		Sison amomum
58	SJ 453530	C	Stretton	45			V	GND	
58	SJ 470656		Cotton Edmunds				V		
58	SJ 473456	C	Newton-by-Malpas	45			VP		Rosa spp., Rubus spp.
58	SJ 474564		Chowley				V		
58	SJ 475656	C	Cotton Edmunds	45			V	SND	
58	SJ 475723		Dunham-on-the-Hill				V		
58	SJ 489542	C	Broxton	45			VP		Rubus spp.
58	SJ 514626		Clotton Hoofield				VP		
58	SJ 538608	C	Tiverton	150	N		VP	TND	Pilosella aurantiaca
58	SJ 496721	C	Manley	45			V	GAD	
58	SJ 594677	C	Oakmere	180			V	GAD	
58	SJ 596723	C	Cuddington				V	SAD	
58	SJ 604674	C	Little Budworth	270	S		VP	G.1	Calluna vulgaris, Dactylorchis fuchsii
58	SJ 643689	C	Winsford	50	N		VP	FDM	Polygonatum multiflorum
58	SJ 511769	A 56	Frodsham	200	S		VP	GND	Chrysanthemum segetum
58	SJ 607760	C	Little Leigh	100	N		VP	GND	Epipactis helleborine
58	SJ 626774	C	Little Leigh	300	E		VP	GAF	Scutellaria galericulata
								GND	Betonica officinalis
58	SJ 633783	C	Little Leigh	300	W		VP	TAD	Polygonum bistorta
58	SJ 667717	A 556	Davenham	300	N		VP	GNI	Alchemilla vulgaris
58	SJ 715674	B 5081	Sproston	400	B		P	TND	Geranium pratense
58	SJ 648688	C	Winsford	180			V	GAD	

1	2	3	4	5	6	7	8	9	10
CHESHIRE - contd									
58	SJ 693634	C	Wimboldsey	45			VP		Rubus spp.
58	SJ 696656	A 530	Stanthorne	45			V	GND	
58	SJ 639715	A 556	Hartford	800	N		V	GAD	
58	SJ 695716	C	Byley	180			VP		Pimpinella major, Rubus spp.
58	SJ 710778	C	Tabley Inferior	180			VP		Rubus spp.
58	SJ 724830	C	Mere	180			VP		Rubus spp.
58	SJ 730814	A 50	Mere	730	S		VP	FDM	Pentaglottis sempervirens
58	SJ 756840	C	Rostherne	90			VP		Hypericum dubium, Rubus spp.
58	SJ 750861	B 5161	Altrincham	90			VP		Polygonum bistorta, Rubus spp.
58	SJ 706625	C	Warmingham	100	N		VP	EBH	Acer campestre, Pimpinella major
								TBI	Calamagrostis epigejos
									Agrimonia eupatoria
58	SJ 707657	A 533	Middlewich	200	E		P	TND	Geranium pratense
58	SJ 553485	C	Norbury	18			P		Ranunculus auricomus
58	SJ 506518	C	Bickerton	90			VP		Rubus spp.
58	SJ 503523	C	Bickerton	90			VP		Rubus spp.
58	SJ 502545	C	Bickerton	45			VP		Rubus spp.
58	SJ 506543	C	Bickerton	90			VP		Rubus spp.
58	SJ 515538	A 534	Bickerton	35			VP		Umbilicus rupestris
									Polypodium vulgare
58	SJ 517538	C	Bickerton	45			VP		Umbilicus rupestris,
									Polypodium vulgare
58	SJ 583519	C	Chorley	35			VP		Dactylorhiza fuchsii
58	SJ 583551	C	Brindley	90			V	GAD	
58	SJ 592533	A 534	Brindley	180			V	GAF	
58	SJ 619481	C	Sound	180			V	GAF	
58	SJ 653486	C	Baddington	45			V	GAD	
58	SJ 697466	C	Hunsterson	90			VP		Rubus spp.
58	SJ 618567	C	Stoke	18			VP		Ranunculus auricomus
58	SJ 652563	C	Worleston	400			V		
58	SJ 762550	A 534	Haslington	90			VP		Rubus spp.
58	SJ 600465		Dodcott-cum-Wilkesley				V		
58	SJ 621597		Sound						

1	2	3	4	5	6	7	8	9	10
CHESHIRE - contd									
58	SJ 743710	C	Allostock	230			VP		Rubus spp.
58	SJ 745756	C	Lower Peover	45	E		VP	TND	Heracleum mantegazzianum
58	SJ 758757	B 5081	Toft	90	N		VP	T-D	Solidago virgaurea
58	SJ 793752	C	Marthall/Peovers	400			VP		Rubus spp.
58	SJ 784822	C	Mobberley	130			VP	GNI	Rubus spp.
58	SJ 806682	C	Swettenham	90			VP		Rubus spp.
58	SJ 810674	C	Swettenham	90			V	GAD	
58	SJ 819677	C	Swettenham	90			VP		Rubus spp.
58	SJ 806713	C	Withington	45			V		Alnus glutinosa
58	SJ 802763	C	Marthall	90			VP		Rubus spp.
58	SJ 830727	C	Chelford	18			VP		Geum rivale
58	SJ 748667	C	Cranage	200	W		VP	TND	Lychnis flos-cuculi
58	SJ 785825	C	Mobberley	600	B		V		
58	SJ 806623	C	Smallwood	45			V	GAD	
58	SJ 838677	C	Somerford Booths	45			VP		Rubus spp.
58	SJ 856740	A 537	Henbury	18			VP		Geranium phaeum
58	SJ 881745	C	Macclesfield	9			VP		Geranium endressii
58	SJ 902638	C	Bosley	90			V	GAD	
58	SJ 927656	C	Bosley	90			VP		Rosa spp.
58	SJ 956714	C	Sutton	180			VP		Jasione montana, Rubus spp.
58	SJ 931706	C	Sutton				V		
58	SJ 936700	C	Sutton				V		
58	SJ 959738	A 537	Macclesfield	45	N		VP	T-D	Myrrhis odorata
58	SJ 867757	C	Over Alderley	2000	B		VP	GAD	Geranium phaeum
58	SJ 870754	C	Over Alderley	4000	B		VP	GAD	Hypericum androsaemum
58	SJ 864763	C	Over Alderley	2000	B		VP	GAD	Campanula latifolia
58	SJ 876754	C	Over Alderley	1800	B		VP	GAD	Vicia lathyroides
58	SJ 873765	C	Over Alderley	1800	B		VP	GAD	Viola odorata
58	SJ 563608	A 49	Tiverton	45			V	GAD	
58	SJ 457730	C	Wimbolds Trafford				V		
58	SJ 466533	C	Carden				V		
58	SJ 467643	C	Waverton				V		
58	SJ 475716	C	Dunham-on-the-Hill				V		

18. DERBYSHIRE

A. County Council Surveyors' Department

Reported in 1972 that there was a Highways sub-committee on Environmental Protection. There was also a Highways representative on the County Council's Countryside Committee. In 1972 liaison was developing with the Naturalists' Trust, and the County Surveyors' Department was keen to co-operate with the Trust on roadside matters.

B. Nature Conservancy

The Nature Conservancy was represented on the County Council's Countryside Sub-Committee's Advisory Group (Conservation), which did not, however, very often discuss highways. The Conservancy also had an indirect link with the Surveyors' Department through the Peak Park Planning Board.

C. Derbyshire Naturalists' Trust

The Trust had scheduled verges of conservation importance with the County Surveyors' Department. In 1974 the Trust was intending to develop a liaison scheme with the County Council relating to general conservation of roadside verges. Arrangements were also to be made with the new District Councils (who were to take on greater responsibility for roadside management after 1 April 1974) for the marking of scheduled important verges in their administrative areas. In the first instance the object of these markings would be to warn roadmen and other Council workers against tipping, but it was hoped subsequently that management prescriptions could be made for the marked areas.

1	2	3	4	5	6	7	8	9	10
DERBYSHIRE - all scheduled									
57	SK 200524	A 524	Bradbourne Lane	20	W		P		Aconitum sp.
57	SK 184502	A 524			SE		V		Genista tinctoria and mixed herbs
57	SK 197508	A 524	Bradbourne	2500	B		V		Mixed vegetation
57	SK 157611	A 515/ B 5064	Junction				V	DAD	Acid heath over limestone
57	SK 161357	C	Oak Lane	325	S		P		Endymion non-scriptus
57	SK 164471	C	Mapleton Wood	600	E		V	FDM	
57	SK 123422	B 5035	Norbury	300	B		V		Polystichum lobatum and mixed vegetation
57	SK 285664			2700	N		A	DAD	Entomologically interesting
57	SK 295650	C	Flash Lane/B 5057 Junction	1100	B		A	DAD	Entomologically interesting
57	SK 298635	C	Farley Lane	1100	E		A	DAD	Entomologically interesting
57	SK 310648	C	Jaggers Lane/B 5057	1250	W		A	DAD	Entomologically interesting
57	SK 318637	C	Jaggers Lane/Robriidding Road	1500	B		A	DAD	Entomologically interesting
57	SK 323634	C	Robriidding Road	450	W		A	DAD	Entomologically interesting
57	SK 097725	A 6		500	S		V		Mixed vegetation
57	SK 153735	U	Ravenstor	700	B		V		Botanically important
57	SK 283582	C	Ember Lane	450	B		V		Mixed vegetation
57	SK 271638	C			E		P		Petasites fragrans

19. HEREFORDSHIRE

A. County Council Surveyors' Department

Reported in 1972 that there was no contact with the Nature Conservancy. There was a general liaison with the Naturalists' Trust but no verge sites had been agreed for special management.

B. Nature Conservancy

No contact with the County Surveyors' Department

C. Herefordshire and Radnorshire Nature Trust

No formal arrangements with the County Surveyors' Department and no scheduled sites. A regular informal liaison existed with the County Surveyor who had issued instructions to Divisional Surveyors when appropriate for the protection of the "unofficial" verges of conservation importance. It is understood that more formal and permanent arrangements are proposed to be made with the new County Council of Herefordshire and Worcestershire.

20. LEICESTERSHIRE

A. County Council Highways Department

Reported in 1972 that there was direct contact with the Regional and Research branches of the Nature Conservancy, and also contact with the Conservancy through the Naturalists' Trust, with whom there was active liaison. From 1964 to 1971 ten sites had been scheduled; as the result of a meeting with the Trust in 1971 it was agreed that the list should be revised and extended, this work is still in progress (April 1974). At an Area Surveyors' Conference in September 1971, under an agenda item to consider verge cutting, emphasis was placed on the preservation of the flora and a recommendation made that the Naturalists' Trust should be asked to provide details of verges of conservation interest for special consideration. This recommendation would have led to the meeting with the Trust referred to above.

B. Nature Conservancy

Reported in 1973 that direct contact with the County Surveyor about roadside verges had been made on a number of occasions.

C. Leicestershire and Rutland Trust for Nature Conservation

Meetings had been held with the present County Surveyor and his predecessor regarding roadside management. The meetings had been very satisfactory and it was considered that the County Council treated the verges sympathetically. There had been general agreement that verges of conservation importance should be managed as Nature Reserves but the Trust had yet to produce a definitive list of suitable sites. Seventy possible sites were under consideration at the time of writing in April 1974. The previous list of ten sites (shown below and included in the sites under consideration) were not at this time the subject of an agreement.

1	2	3	4	5	6	7	8	9	10
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LEICESTERSHIRE - Sites previously scheduled but under reconsideration and no longer the subject of an agreement in April 1974

55	SP 370019	C	Wellsborough	3300	
55	SP 386965	C	Higham	1800	
55	SP 380970	C	Higham	2000	
55	SP 575910	C	Willoughby Waterless	4000	
55	SK 610180	C	Seagrave	1200	
55	SK 630235	B 5324	Wymeswold	4000	
55	SK 782040	C	Oxey Farm	1300	
55	SK 805055	C	Withcote	2300	
55	SK 875270	C	Sproxton		Driftway
55	SK 886210	C	Sewstern Green Lanes	1000	

21. NORTHAMPTONSHIRE AND SOKE OF PETERBOROUGH

A. County Council Roads and Bridges Department

Contact with the Nature Conservancy was through the Naturalists' Trust. Liaison with the Trust up to 1972 involved letters and meetings but no firm arrangements for roadside sites of conservation importance. The Road Department itself had since become more sympathetic, but was rather cautious over the best arrangements to make and anxious not to be burdened with too many sites for special treatment.

B. Nature Conservancy

Contact with the Roads Department had been through the Naturalists' Trust.

C. Northamptonshire Naturalists' Trust

A list of sites drawn up after the 1969 Biological Records Centre report and ascribed to the Watsonian Vice-County of Northamptonshire (VC 32) in fact lay geographically in the Soke of Peterborough. The more recently notified verges were all in Northamptonshire proper. Traditionally the Trust had been responsible for all the sites in VC 32 although this had involved liaison with two administrative County Councils. The Soke of Peterborough sites had all been scheduled, marked on the ground and management agreements made with the County authorities. Sites in the County of Northampton had been scheduled and the one site that was endangered by the current cutting policy had been marked. Liaison with the Northampton Roads Department had been chiefly on a personal and informal basis both at Headquarters and Divisional Surveyor level.

1	2	3	4	5	6	7	8	9	10
NORTHAMPTONSHIRE - all scheduled									
32	SP 963986	A 43	Wakerley Woods	4025	B	P	V	GBD	
32	TL 129973	B 368	Castor	366	E	P	P		Orobanche elatior
32	TF 036007	A 47	Bedford Purlieus	400	S	P	VP	FBM	
									GBD
32	TF 043016	B 329	Bonemills	2412	B	P	VP	GBD	Anacamptis pyramidalis
32	TF 046090	B 329	Burghley Park	5	N	P	P		Nepeta cataria
32	TF 063025	C 316	Whittering	732	B	P	V	GBD	
32	TF 106023	C 317	Southey Wood	4025	B	P	V	GBD	Melampyrum cristatum
32	TF 121003	B 363	Ailsworth	9	W	P	P		Falcaria vulgaris
32	TF 125011	B 363	Whites Spinney	9	E	P	P		Hesperis matronalis
(32	TF 120030	C 301/ C 302	Ufford	6437	B	P	V	GBD	Probably spoiled)
32	TF 143024	C 301	Marholm	9	N	P	P		Artemesia absinthium
32	SP 997665		Newton Bromswold	2640	B		V		Lotus tenuis, Crepis biennis
32	TL 052905		Cotterstock	1	E		V		Hottonia palustris
32	SP 600397		Radstone	1320	B		V	GBD	Campanula latifolia, Cirsium eriophorum
32	SP 937795		Slipton	2	N		V		Ophioglossum vulgatum
32	SP 937795		Whilton	6	S	P	V		Cicerbita macrophylla
32	SP 732793		Kelmarsh	3	S		V		Cicerbita macrophylla

22. NOTTINGHAMSHIRE

A. County Council Highways Department

Reported in 1972 that there was no contact with the Nature Conservancy and that contact with the Naturalists' Trust was on a personal, more than a formal basis, although it had begun officially. The Department was sympathetic to the idea of protection of special verges as and when they were notified, and also to co-operating with the Naturalists' Trust over verge management in general. A memorandum from the County Surveyor to the Divisional Surveyors in November 1973 asked them to co-operate as far as they were able.

B. Nature Conservancy

Reported in 1973 that there was no contact with the Highways Department.

C. Nottinghamshire Trust for Nature Conservation

A survey of roadsides in the County generally was made by the Trust in 1970 resulting in the systematic collection of records for 82 verges. Subsequently, in August 1972, report forms were sent to local organisations throughout the County to obtain information about verges of special conservation interest. Following the completion and return of a number of these forms a schedule of verges for notification to the Highways Department was being prepared in November 1973; the verges listed below had already been notified, in some cases marked and their management agreed. In 1973 the Trust reported that liaison with the Highways Department was extremely good and that there was a general policy of minimum cutting of verges consistent with road safety. In addition to the County roads there was also a road verge site at Spalford Warren on land belonging to the Forestry Commission that had been leased by the Commission to the Trust, about which the Highway Department had also been notified. As a result of an agreement with the Department of the Environment and the Local Authority as their agents it had been possible in 1971 to establish a locally rare plant (Aquilegia vulgaris) on the banks of the M1 Motorway in an area from which it was otherwise threatened with extinction.

1	2	3	4	5	6	7	8	9	10
NOTTINGHAMSHIRE - all scheduled									
56	SK 832697	A 1133			E	P			Very wide rich habitat for plants and animals
56	SK 831690	A 1133			E	P			Back verge botanically interesting
56	SK 829687	A 1133			E	P			Potentially interesting
56	SK 828681	A 1133			E	P			Sand flora
56	SK 828677	A 1133			E	P			Damaged in 1971 and reseeded
56	SK 828673	A 1133			E	P			Sand meadow flora and insects
56	SK 828668	A 1133			E	P			Sand flora
56	SK 828725	A 1133	North Clifton					V	Astragalus glycyphyllos
56	SK 834692	U	Spalford					V	
56	SK 835694	U	Spalford					V	
56	SK 645518	V 6386	Oxton Hill					V	
56	SK 886730	U	Harby					V	
56	SK 674597	U	Kirklington					V	
56	SK 871735	U	Thorney (Drinksey Nook Lane)					V	
56	SK 662546	U	Halam					V	
56	SK 745764	U	Upton					V	
56	SK 776793	U	Treswell		NE			V	Primula vulgaris, P. veris, Galeobdolon luteum, Mercurialis perennis, Geranium pratense, Pyrus communis
56	SK 690900	U	Mattersey					V	
56	SK 696900	B 6045	Everton		B			V	Sand flora - Echium vulgare, Jasione montana, Potentilla argentea, Apera spica-venti, Viola lepidota = V. tricolor spp. tricolor.
56	SK 674800	U	Rushey					V	

1	2	3	4	5	6	7	8	9	10
NOTTINGHAMSHIRE - contd.									
56	SK 696705	U	Walesby				V		Woodland flora
56	SK 663703	U	Ollerton		S				Sand flora - Claytonia (Montia) perfoliata, Myosotis ramosissima, Vicia lathyroides, Arabidopsis thaliana, Myosotis discolor, Cardamine hirsuta
56	SK 627689	A 616/ B 6034	Budby South Forest			P			Genista sp.
56		A 616			N				Cerastium arvense
56	SK 5--6--								Parnassia palustris, Anagallis tenella
56	SK 683677		Forestry Commission Road Spalford Warren	500	W		P		(Sand flora on blown sand over (Keuper Marl. Jasione montana, (Echium vulgare, Vicia (lathyroides, Teesdalia (nudicaulis, Potentilla argentea, (Calluna vulgaris.
56	SK 683677		Rabbit Hill Lane	150	S		P		

23. RUTLAND

A. County Council Surveyors' Department

In 1972 reported that there were good informal contacts with the Nature Conservancy, although not specifically about roadside verges. There was some liaison with the Naturalists' Trust but dealings in respect of verges had been with the Rutland Natural History Society, who had scheduled a number of verges of conservation interest with the Department. These had been marked with small red and white pegs. The original management agreement had been not to touch these sites but more recently it had been agreed to cut them to the Society's prescription.

B. Nature Conservancy

Informal contacts with the County Surveyors' Department on general matters.

C. Leicestershire and Rutland Trust for Nature Conservation

It was reported that scheduling of sites in Rutland had been done by the Rutland Natural History Society.

D. Rutland Natural History Society

Eleven sites of conservation importance have been identified and nine of these scheduled with the Highway Authorities. The majority of these sites have a rich assemblage of species, which, for reasons of space it has not been possible to list here. The sites are watched over by a keen botanist member of the Society. (Author's note - information added in proof 11/7/74. Plants recorded not included in analysis or table A Chapter XI.)

1	2	3	4	5	6	7	8	9	10
RUTLAND - nine of eleven sites scheduled									
55	TF 005085	Great Casterton Bank			S	P			Calcicole flora
55	TF 015106	Great Casterton			B	P			Rich calcicole flora
55	SK 977078	Skacklewell			S	P			Rich calcicole flora
55	SK 954017	N. Luffenham Golf Course			N	P			Calcicole flora
55	SK 929025	S. Luffenham			E	P			Campanula glomerata, Ononis repens, Orobanche elatior, Poterium sanguisorba
55	SK 940999	Barrowden			S	P			Sambucus ebulus
55	SK 847055	Brooke			W	P			Cardamine pratensis, Crataegus laevigata, Ononis repens, Trifolium fragiferum.
55	SK 846047	Brooke Cross Roads			W	P			Mixed damp woodland edge flora
55	SK 846047	Brooke Cross Roads			E	P			Rich mixed flora
55	SK 835057*	Braunston			N				Damp woodland edge flora
55	SK 838056*	Brooke to Braunston			S				Damp woodland edge flora

* not conserved or completely surveyed

24. SHROPSHIRE

A. County Council Roads and Bridges Department

In 1972 the Roads Department did not see much need for liaison with the Nature Conservancy. The Naturalists' Trust was generally active but not specifically about roadside verges. The management policies in general operation appeared to be satisfactory to them. There were no verges scheduled as being of particular conservation importance.

B. Nature Conservancy

No liaison with the Roads Department

C. Shropshire Conservation Trust

By January 1974 the Trust had had a number of talks with the County and Rural District Roads Departments but had not agreed on any biological roadside conservation sites. There had also been discussions about geological roadside sites, and one had been established at SO 474923 displaying the Hope-Bowdler unconformity.

25. STAFFORDSHIRE

A. County Council Roads and Bridges Department

In 1972 reported that there was no local contact with the Nature Conservancy but that there was some liaison with the Naturalists' Trust. No verges had been scheduled at headquarters level, but some had been notified to Area Surveyors.

B. Nature Conservancy

In 1973 reported that there had been some degree of contact with the Roads Department in the form of an annual correspondence. However, it was felt that a closer contact with the Department was developing, both between the Nature Conservancy and the Naturalists' Trust.

C. Staffordshire Nature Conservation Trust (formerly the Staffordshire Branch of the West Midlands Naturalists' Trust)

There were no sites of conservation importance scheduled in the County. A provisional list had been submitted to the Roads and Bridges Department in 1971, but no action had been taken. A further list was submitted by the Trust in March 1974, following a meeting of the County's Standing Conference on Countryside Organisations attended by the Trust and the Highway Department. At the time of writing (April, 1974) the Trust has not yet had a reply from the Department but assurances were given at the meeting in March that the proposals would be considered*. There has been a rather unhappy relationship between the Trust and the Department, aggravated by the Department's widescale use of growth-regulator and growth-retarder sprays. However, in April 1974, the County Surveyor submitted a report to the New County Council's Highway Committee that placed increasing emphasis on conservation interests on rural roads, and specifically suggested a considerable reduction in the use of chemical sprays of all kinds. This report was accepted by the Highways Committee and its implementation will be welcomed by conservation organisations.

Author's note (entered in proof) - in a letter dated 16th May 1974 the County Surveyor wrote to say that he had received details of eleven sites of conservation importance from the Conservation Trust, and that he was hoping to be able to meet its requirements. Also that it was his intention to co-operate in every way with local Conservation Organisation in the preservation of flora and fauna.

1	2	3	4	5	6	7	8	9	10
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STAFFORDSHIRE - all notified to Highways Department

39	SK 120298		Stock Lane						Primula vulgaris, P. veris, Viola odorata
39	SK 100290		Gorsty Wood						Ranunculus auricomus, Daphne laureola, Viola sp.
39	SK 133290		Marchington Cliff						Galium odoratum, Galeobdolon luteum. Woodland flora
39	SK 155284		Greaves Wood						Rich hedges. Rare moths
39	SK 136233		Hoar Cross						Daphne laureola
39	SK 125460		Stanton to Dale Abbey Farm						(Botanically interesting verges
39	SK 125460		Stanton to Mayfield						(endangered by hapazard spraying
39	SK 090590	B 5054	Warslow to Hartington						Cirsium heterophyllum
39	SK 021516		Ipstones Edge to Upper Cadlow Cross Roads						Parnassia palustris, Coeloglossum viride, Listera ovata and other plants of interest.
39	SJ 781239	A 519	Loynton Cross Roads to High Bridge						
			to Moss Cottage Lane past Loynton Farm		N				Ringlet Butterfly site.
39	SJ 809279		Horsley Lane						Pimpinella major
39	-	B 5405	Junction to Ellenhall Church						Fumaria sp.
39	-		Bishton Lane near Wolseley Bridge						Corydalis solida
39	-		Coley Lane, Little Haywood						Arum maculatum, Geranium lucidum
39	-		Hamstall Ridware						Malva neglecta, M. sylvestris, M. moschata
39	SK 120284		Woodroffes Cliff						Daphne laureola, Orchis mascula, Primula veris, Woodland flora

26. WARWICKSHIRE

A. County Engineer's Department (formerly the County Surveyor's Department)

In February 1972 reported that there was no contact with the Regional Office of the Nature Conservancy but that liaison with the Naturalists' Trust was just developing. General management proposals were being discussed. There were no scheduled verges of special conservation interest. In October 1972 the Department initiated discussions between conservation and agriculture interests on the management of roadsides and proposed the setting up, in 1973, of trial roadsides in different parts of the County in order to assess the highway, conservation and agriculture effects of different programmes of management. These trials were subsequently organised in 1973 and the first year's results reported at a meeting in December. The trials are continuing in 1974.

B. Nature Conservancy

The Regional Officer reported in August 1973 that there was no contact with the Surveyor's (now Engineer's) Department. The Regional Office was represented at the December 1973 meeting to discuss the results of the management trials, which had originally been set up in consultation with the Research Branch of the Nature Conservancy.

C. Warwickshire Nature Conservancy Trust (formerly the Warwickshire Branch of the West Midlands Trust)

Reported in May 1974 that the list of 16 verges of conservation importance given in the Biological Record Centre's 1969 report was not notified to the County Surveyor until later. It was now agreed in principle for special treatment to be given to sites that had been accorded full (local) Nature Reserve status and that for these sites the County Engineers would cut only the front swath (plus any visibility splays) and the Conservation Corps of the Trust would manage the remaining areas. The list was being reviewed during 1974. At present five sites (marked P in column 7, see below) had been given Reserve status and a further 13 were under consideration. In the list below, in which there are additions to and deletions from the 1969 list, the sites designated as Reserves are managed according to the agreement and all the others are managed by the Engineers in line with ordinary County management policies for roadsides. The non-designated sites are all to be watched by the Trust during the summer of 1974, after which some more may be up-graded to Nature Reserve status.

Due to Local Government reorganisation the administrative county boundary has been changed and two of these verges now fall within the Metropolitan Borough of Solihull. Discussions have already been initiated between the new authority and the Trust, and it was likely that the outcome would be satisfactory.

1	2	3	4	5	6	7	8	9	10
WARWICKSHIRE - all scheduled with the Engineer's Department.									
38	SP 152567	D 539	Wilmeccote/Billesley	300	B	P	VP	FDM	Iris foetidissima
38	SP 142531	A 439(T)	Stratford/Bidford	600	N	P	VP	GBD	Orchidaceae
38	SP 159536	A 439(T)	Stratford/Bidford	20	S	P	P	GNI	Petasites hybridus
38	SP 110531	D 559	Bidford/Ardens Grafton	100	E		V	GBD	
	SP 111533	"	"	400	B				
38	SP 158609	C 39	Bearley X/Aston Cantlow	6000	B		VP	G	Geranium pratense etc
38	SP 335574	A 41(T)	Warwick/Banbury	100	E	P	VP	GBD	Helianthemum chamaecistus
38	SP 267495	A 429	Wellesbourne/Ettington	600	E		V	GBI	
38	SP 274475	C 109	Fosseway/Fulready	50	E		VP	GBI	Colchicum autumnale
38	SP 295452	C 109	Fulready/Whatcote	1300	N		VP	GB	Primula veris
38	SP 287490	D 1274	Fosseway/Pillerton Priors	2000	W		VP	GB	P. veris, Rhinanthus minor
38	SP 319420	C 54	Brailes/Compton Wynyates	300	E		VP	RDW	Dispsacus fullonum
38	SP 324472	A 422	Banbury/Stratford	400	N		VA	GBD	
38	SP 332493	C 53	Oxhill/Kineton	100	B		P	EGH	Aconitum napellus
38	SP 336610	C 43	Tachbrook Mallory/Harbury	100	B		P	EBH	Astragalus glycyphyllos
38	SP 384641	C 36	Welsh Road, Offchurch/Bascote	5000	B		VA	ENH, GND	Drove road with wide verges and thick hedges
38	SP 407642	C 97	Basecote/Long Itchington	100	E		VA	TBI	
SOLIHULL									
38	SP 226760	D 436	Fernhill Lane, Temple Balsall	140	B	P	V	SNI	
38	SP 214742	D 432	Oldwich Lane, Temple Balsall	1500	B		VA	SNI	

27. WORCESTERSHIRE

A. County Council Highways and Bridges Department

Reported in 1972 that there was no contact with the Regional Office of the Nature Conservancy but good liaison with the Naturalists' Trust. Verges of special conservation importance had been scheduled and were marked on the ground with posts. Special instructions had been given to Divisional Surveyors and their staffs about the management of these areas; in general they were not to be cut. In April 1971 the County Surveyor issued instructions on grass cutting throughout the County, that paid regard to conservation interests, a subject on which members of the Department and of the County Council's Committees were themselves concerned. The contents of this document with additional reference to conservation aspects of roadside management formed the basis of a letter sent to members of the County Council's Highways and Transportation Committee in November 1973.

B. Nature Conservancy

Reported that there had not been any contact with the Highways Department over rural road verge matters but there had been liaison on the establishment of primroses and other plants on the M5 Motorway.

C. Worcestershire Nature Conservation Trust

In January 1974 the Trust was considering additions to a list of scheduled sites prepared some months previously by the Highways Department, who had been notified of them by the Trust on a more or less informal basis. The Trust as part of its reorganisation of its handling of roadside matters was designing a proforma for the notification of sites of conservation importance to the Highways Department, copies of which would become the permanent records of both organisations. A facsimile of this form is reproduced as Appendix B. As a result of this and other arrangements a more formal relationship between the Highways Department and the Trust was being created, and an officer of the Highways Department was being given special responsibilities for liaison with the Trust over roadside sites of special interest. These developments had been possible because of the considerable informal co-operation that the Trust had had with the Department for some years, and arising from a meeting between the Trust and the Department held in November 1973. At this meeting policies and procedures for the notification for the conservation of areas of roadside verges of special botanical interest were discussed.

1	2	3	4	5	6	7	8	9	10
WORCESTERSHIRE - all scheduled									

37	SO 797668	B 4196	Glasshampton Bridge Shrawley North		B				
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37	SO 802678	U	Astley/Burf Cross Roads		E				
37	SO 925721	A 448	Woodcote Manor House		E				
37	SO 953775	C 57	Romsley		N				
37	SO 945806	C 2	Clent Hills		B				
37	SO 938808	U	Walton Hill		W				
37	SO 934612	C 80	Goosehill Woods		B				
37	SO 918573	C 158	Crowle	300	B				
37	SO 922598	C 77	Himbleton		B				
37	SO 947584	C 32	Shell		B				
37	SO 93-57-	C 32	Huddington		B				
37	SO 98-66-	U	Upper Bentley						
37	SO 880480	U	Stonehall Common		W				
37	SO 884558	U	Trotshill						
37	SO 801358	C 112	Birtsmorton Court		E				
37	SO 795527	C 65	Bransford		W				
37	SO 736554	C 65	Knightwick Station		N				
37	SO 812519	C 27	Bansford Bridge Station		S				
37	SO 79-48-	U	Newland Common		B				
37	SO 915565	C 32	Crowle		N				
37	SO 954659	B 4091	Hanbury Road						
37	SO 731526	U	Suckley Hills						
37	SO 901547	A 4538			E				
37	SO 828467	B 4424	Clevelode		B				

37	SO 943416	U	Nafford						
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37	SO 760661	B 4197		50	E				
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Allium paradoxum
Geranium pyrenaicum
Geranium pyrenaicum
Umbilicus rupestris
Inula helenium
Allium paradoxum
Symphytum sp.
Daphne laureola
Orchidaceae
Symphytum x *uplandicum*
Astragalus glycyphyllos
Genista tinctoria

Ranunculus ficaria
Arum maculatum, *Arctium* sp.
Lychnis dioica and other species

Doronicum pardalianches

1	2	3	4	5	6	7	8	9	10
WORCESTERSHIRE - contd									
37	SO 898561	C 32	Crowle Cross Roads	100	N				Cichorium intybus
37	SO 891557	C 32/DR		10	B				Medicago sativa
37	SO 888472	C 202	Pirton		B				Smyrnum olusatrum
37	SO 887455	C 109	Croome	100	W				Geranium sylvaticum
37	SO 999503	C 22	Throckmorton	40	E				Mixed flora
37	SO 800602	C 68	Monk wood Green						Mixed flora
37	SO 751552	C 64	Alfrick						Geranium pyrenaicum
37	SO 752562	A 44			B				Sambucus ebulus
37	SO 774577	C 252			B				Sambucus ebulus
37	SO 725760	U 5201	Wyre Forest Station		S				
37	SO 910707	C 84	Rising Bridge Brook						
37	SO 878794	C 126	Churchill Village						Carex sp., Chrysosplenium oppositifolium
37	SO 835710	U	Hartlebury Castle Pool		NW				
37	SO 913742	U	Chaddesley Wood						Orchidaceae
37	SO 951676	B 4091	Stoke Prior						
37	SO 951675	B 4091	Stoke Prior						
37	SO 895571	A 4538	Junction with M5						

Chapter VI

NATURE CONSERVANCY EAST ANGLIA REGION

- 28. BEDFORDSHIRE
- 29. CAMBRIDGE AND ISLE OF ELY
- 30. ESSEX
- 31. HUNTINGDONSHIRE
- 32. LINCOLN - Holland
- 33. LINCOLN - Kesteven
- 34. LINCOLN - Lindsey
- 35. NORFOLK
- 36. EAST SUFFOLK
- 37. WEST SUFFOLK

In this Region of the Nature Conservancy the Bedfordshire and Huntingdonshire Trusts covered these two counties but not the Soke of Peterborough, which, from a local government point of view up to 1 April 1974, was part of the County of Huntingdon and Peterborough. For Naturalists' Trust purposes the Soke of Peterborough has been included with Northamptonshire (VC 32) which lies in the Midland Region of the Conservancy. After 1 April 1974, Huntingdon and Peterborough became part of the enlarged county of Cambridgeshire, but there is not an immediate intention to redraw the Naturalists' Trust boundaries. There will, however, remain the problem of two Naturalists' Trusts having roadside interests in one administrative county. There is no reason to suppose that this will be any less successful than the arrangements between the different Trusts and County Councils up to 1974.

In Lincolnshire the one Trust covers the three administrative Counties of Holland, Kesteven and Lindsey, and a single Trust covers both East and West Suffolk.

28. BEDFORDSHIRE

A. County Council Surveyors' Department

Reported in 1972 that there was little contact with the Nature Conservancy on roadside verge matters now that the Naturalists' Trust had been set up, but that there was potentially good direct liaison should it be required. There was active liaison with the Naturalists' Trust, with the County Council prepared to help conservation interests. Verges of special conservation importance had been scheduled and marked on the ground with posts. The generally agreed management was to avoid cutting these verges during the flowering season.

B. Nature Conservancy

There was good contact with the County Council in general, but, in view of the activity of the Naturalists' Trust there was not a need for continuing liaison with the County Surveyor's Department on the topic of roadside verges.

C. Bedfordshire and Huntingdonshire Naturalists' Trust

The Trust had provided a list of seven road verge sites of conservation importance, that had been scheduled with the County Surveyors' Department, for the 1969 Biological Records Centre report. These verges had been reviewed and some additions made for inclusion in the Trusts Nature Reserves Handbook of October 1972 where a list of 13 sites was given. These were all marked on the ground with posts to warn Council workmen and statutory undertakers against dumping or disturbance and also to help define the areas for which special management agreements had been made with the Surveyors' Department. Liaison with the Department was reported to be regular and close, and material assistance with management was available whenever requested.

1	2	3	4	5	6	7	8	9	10
BEDFORDSHIRE - all scheduled with the Highway Department									
30	TL 128585	C	Honeydon	1500	B	P	P		Trifolium ochroleucon, Melampyrum cristatum, Orinthogalum pyrenaicum
30	SP 986625	A 6	Souldrop	150	W	P	P		Melampyrum cristatum
30	SP 988497	A 422	Dropshort	2000	B	P	P		Melampyrum arvense, Sambucus ebulus, Orobanche elatior
30	TL 074391	A 6	Clophill	4000	B	P	P		Trifolium ochroleucon, Ononis spinosa, Lathyrus nissolia
30	TL 081344	A 6	Silsoe	1000	B	P	P		Smyrniolum olusatrum
30	TL 010258	A 5120	Calcutt Farm	25	E	P	P		Melampyrum arvense
30	SP 925289		Fox Corner			P			Trifolium striatum, T. arvense, Inula conyza
30	TL 053551		Traylesfield Farm			P			Inula helenium, Serratula tinctoria
30	SP 956597		Yelnow Lane			P			Interesting fauna and flora
30	TL 017506		Biddenham			P			Salvia horminoides
30	SP 961452		Bourne End			P			Smyrniolum olusatrum
30	TL 030570)		Bletsloe-Thurleigh			P			Rich mixed calcicolous flora, Rhinanthus minor, Ophrys apifera
	TL 034579)								
30	TL 136598		Upper Staploe			P			Ornithogalum pyrenaicum

29. CAMBRIDGESHIRE AND ISLE OF ELY

A. County Council Surveyors' Department

There was little direct contact with the Regional Officer of the Nature Conservancy because of the activity of the Naturalists' Trust, but there was co-operation with the Research Branch at Monks Wood Experimental Station over the experimental road verge site in the County. Very active continuing liaison with the Trust was maintained, which was often upheld as an example to other Trusts and County Councils. A number of sites of special conservation importance had been scheduled and marked with posts. General agreement with the Trust about the management of roadsides throughout the County had been reached.

B. Nature Conservancy

Little contact with the Surveyors' Department necessary because of the activity of the Naturalists' Trust.

C. Cambridgeshire and Isle of Ely Naturalists' Trust

A list of twelve road verge sites of conservation importance was given in the Biological Records Centre's 1969 report. [∞] These had been reviewed from time to time but the list given now is essentially the same as the original. The Trust had enjoyed the close co-operation of the County Surveyors' Department for many years, and was one of the first Naturalists' Trusts to secure a general agreement with its County Council on the overall management of County roads.*

*Author's note (inserted in proof) - at a meeting with Officers of the County Surveyor's Department of the enlarged County of Cambridgeshire on 23rd May 1974, representatives of the Cambridge of Ely Trust discussed proposals for future co-operation. This would also involve the Bedfordshire and Huntingdonshire Trust with reference to the old County of Huntingdon, and the Northamptonshire Trust with reference to the Soke of Peterborough.

1	2	3	4	5	6	7	8	9	10
CAMBRIDGE and ISLE OF ELY - all scheduled									
29	TL 262516	C	Gamlingay	700	B	P	VP	GNI	Ophrys apifera
29	TL 296536	B 1046	Hayley Wood	300	B	P	V	GNI	
29	TL 390540	A 603	Lords Bridge	25	E	P	P	GNI	Astragalus glycyphyllos
29	TL 484537	A 604	Gog Magog Hills	1	E	P	P	GBD	Beta trigyna
29	TL 481552	C	Lime Kiln Road	200	E		VP	GBD	Muscari atlanticum
29	TL 491547	C	Worts Causeway	200	N	P	VP	GBD	Linum anglicum
29	TL 508454	A 11	Hinxton	80	W	p	VP	GBD	Linum anglicum
29	TL 501522	A 604	Gog Magog Hills	25	W	P	P	GBD	Geranium phaeum
29	TL 555543	C	Valley Farm Road	700	S	P	VP	GBD	Potentilla tabernaemontani
29	TL 590512	B 1052	Balsham/West Wratting	1	W	P	P	GBD	Polygonum bistorta
29	TL 662713	C	Chippenham/Freckenham	700	B	P	P	OBS	Silene otites
29	TL 471480	C	Whittlesford	20	W		P	GND	Aristolochia clematitis
29	TL 649543	B 1061	Dukesley Hill	300	S	P	P	FDM	Primula elatior
29	TL 370409	A 505	Royston/Baldock	300	N	P	P	GBD	Hieracium spp.
29	TL 466420	C	Ickleton	1500	B	P			Experimental site
29	TL 508499	C	Babraham Parish	125	W	P	VP	GBD	Chalk grassland
29	TL 524516	C	Babraham Parish	400	B	P	P	GBD	Linum anglicum
29	TL 305610	C	Elsworth Parish	950	B	P	VP	GNI	Trifolium ochroleucon
29	TL 547489	C	Hildersham Parish	10	X	P	P	GBD	Geranium lucidum
					roads				
29	TL 552485	C	Hildersham Parish	600	NE	P	V	GBD	Chalk grassland
29	TL 335600	C	Knapwell Parish	4500	B	P	VP	GNI	Melampyrum cristatum
29	TL 367513	A 603	Orwell Parish	550	NW	P	V	GNI	Ononis spinosa, O. repens
29	TL 545589	C	Little Wilbraham	300	B	P	P	GBD	Salvia horminoides

30. ESSEX

A. County Council Highways Department

Reported in 1972 that there was close liaison with the Nature Conservancy's Sub-Regional Office. There was also some contact with the Naturalists' Trust. A number of road verge sites of special conservation importance had been agreed; these were not marked on the ground but were known to Divisional Surveyors, together with instructions about their management. In general these verges were not to be disturbed by the County Council without notice.

B. Nature Conservancy

There was close liaison with the Highways Department on the subject of roadside verges.

C. Essex Naturalists' Trust

The Trusts' liaison with the Highway Department began to develop in 1971 when a pilot survey of roadside verges in the North West Essex Highways Division was made. A report on this exercise together with management proposals for verges in the Division was presented to the County Council in January 1972. The management proposals were implemented during the 1972 season by the Highways Department and have been in operation since that time. During the summer of 1972 an inspection of the North West Division's roadsides was made by the Trust, who reported a satisfactory improvement in the fauna and flora as a result of the Council's more sympathetic management programmes. Subsequently the Highways Department agreed to extend these management policies to the rest of the County.

Volunteers from the Trust sent in reports on verges from six more Highway Divisions in 1972 and 1973. It was clear that a number of plants which had been disappearing from verges where cutting had been too intensive, showed encouraging signs of increasing after even only one year's co-operation from the County with the modified management programme. Many of these sites contained plants that would have been commonplace in the north west but which were less widely distributed in other parts of the County.

Monitoring of sites is (April, 1974), where possible, being continued with a view to sending reports of changes resulting from management to the Highways Officers concerned. Meanwhile the search for any other interesting sites is also to be continued.

1	2	3	4	5	6	7	8	9	10
ESSEX - all scheduled									
19	TL 491410	C	Strethall Fields	400	B		P	EBB/ EBV	Thalictrum sp., minor cornfield weeds
19	TL 485398	C	Strethall Church	200	B		V	EBB	Damp wood flora
19	TL 494395	C	Catmere End				P	EBV	Saponaria officinalis
19	TL 520378	A 11	Audley House	500	W		V	EBH	Campanula glomerata
19	TL 433367	U	Building End	600	E		V	RDE	Blackstonia perfoliata and mixed flora
19	TL 431359	C	Roughway Wood	100	S		P	EBH	Lathyrus sylvestris
19	TL 450356	C	High Wood	300	B		P	EBH	Melampyrum cristatum Calamagrostis epigejos
19	TL 440340	C	Langley L.G.	300	N		V	RDE	Marsh flora
19	TL 473378	C	Duddenhoe End	700	B				Pasture to woodland transition
19	TL 475355	C	Newland End	200	E		V	EBB	Campanula sp.
19	TL 503335	B 1038	Wicken Bonhunt	500	N		V	EBV	Ophrys apifera and mixed flora
19	TL 481299	C	Berden	700	S		V	EBH	Stream/wood habitat
19	TL 469289	C	Berden	700	W		V	EBB	Ranunculus auricomus, Primula veris
19	TL 470240	C	Farnham Green	900	B		V	EBB	Cardamine pratensis and marsh plants
19	TL 522400	A 130	Stumps Cross	8,000	E		V	EBV	Chalk flora
19	TL 500440		Icknield Way	200	N		V	EBV	Chalk flora
19	TL 522441	C	Cow Lane	500	NE		V	EBV	Woodland flora Primula vulgaris
19	TL 554342	C	Debden	700	B		P	EBB	Silene dioica
19	TL 582287	C	Broxted Hill	11,000	B		V	EBB	Woodland flora
19	TL 579271	B 1051	Broxted Church End	300	B		V	EBB	Listera ovata Helianthemum chamaecistus

1	2	3	4	5	6	7	8	9	10
ESSEX - contd									
19	TL 582267	C	Tilty Church End	300	E		V	EBH	Spring flora
19	TL 533267	C	Elsenham		W		P	EBB	Saponaria officinalis
19	TL 531291	C	Henham - Ugley		E		V	EBB	Campanula glomerata, Railway flora, Allium vineale
19	TL 519269	C	Ugley Green		W		P	EBV	Cicerbita plumieri
19	TL 535235	C	Burton End	400	N		V	EBV	Trifolium ochroleucon, chalk flora
19	TL 535250	C	Tye Green	200	W		P	EBB	Iris pseudacorus. Marsh flora
19	TL 581248	C	Flemings Hill	200	E		V	RDW	Polypody ferns. Damp woodland
19	TL 558445	B 1052	Hadstock	200	B		V	EBV	Astragalus glycyphyllos and marshy pasture
19	TL 594419	C	Ashdon	200	B		V	EBB	
19	TL 665770	C	Bumpsteads	1000	S		V	E-V	Marsh pasture. Papaver lecoqii
19	TL 686343	B 1057	Spain's End Farm	200	E		V	E-V	Galium palustre and marsh flora
19	TL 575350	A 130	Debden Aerodrome	200+	E		P	EBB	Melampyrum cristatum, Pulicaria dysenterica
19	TL 595343	A 130	Wimbish	1400	B		V	EBB	Blackstonia perfoliata, Stachys palustris x sylvestris and chalk flora
19	TL 622270	C	Lindsell	300	N		V	E-V	Eupatorium cannabinum Marsh flora
19	TL 577305	B 1053	Wethersfield	100	E		P	EBQ	Vicia lutea
Listed 1972-73 but not scheduled with the Highways Department									
19	TL 515364	B 1039	Wendens Ambo	200	W		V	EBB	Calamintha ascendans
19	TL 530378	C	Saffron Walden	100	N		V	EBB	Calamintha ascendans
19	TL 533373	B 1052	Saffron Walden	800	W		V	ONQ	Chalk flora
19	TL 525361	B 1052	Sparrow End Farm		W		P	EBH	Sonchus palustris
19	TL 736364	C	Toppesfield	200	W		V		Primula veris

1	2	3	4	5	6	7	8	9	10
ESSEX - contd									
19	TL 827280	C	Greenstead Green	200	W		P		Ranunculus auricomus
19	TL 836283	C	Greenstead Green	20	E		P		Galeobdolon luteum
19	TL 826297	A 604	Halstead	1200	B		V		Sarothamnus scoparius
19	TL 827283	C	Greenstead Green	100	E		P		Symphytum officinale
19	TL 828273	C	Greenstead Green	100	E		V		Ononis repens
19	TL 747264	C	Beazley End	20	W		P		Ophrys apifera
19	TM 036245	A 133	Clinghoe Hill	1200	B		V		Rich new sown verge spp.
19	TM 052229	C	Keelars Lane	900	B		V		Campanula trachelium
19	TM 056218	C	Alresford Road	400	B		P		Endymion non-scriptus
19	TM 062239	C	Elmstead	400	B		P		Endymion non-scriptus
19	TL 605157	C	Aythorpe Roding	400	S		P		Rhinanthus minor, Campanula glomerata
19	TL 637149	C	Stagden	300	S		P		Inula helenium
19	TL 667189	C	Barnston	400	N		P		Equisetum hybrid
19	TL 724165	A 131	Leighs Bus Stop	30	E		V	RDW	
19	TL 725162	C	Lyons Hall Lane	20	N		P		Achillea ptarmica
19	TL 730150	C	Lyons Hall Lane		B		V		Campanula rotundifolia
19	TL 738153	C	to Little Waltham	40	B		V	ENB	Cornfield plants
19	TL 718126	C	Boreham (Church)	5	N		P	ENB	Scandix pecten-veneris
19	TL 718118	C	Pratt's Farm	60	B		V	EBB	Trifolium ochroleucon Chalk flora
19	TL 719112		Bypass to Chelmsford	2	E		P		Geranium pratense
19	TL 713139	A 131		10	E		V		Trifolium ochroleucon Viola spp.
19	TL 762086	C	Boreham	100	W		P		Thalictrum minus, Symphytum officinale

1	2	3	4	5	6	7	8	9	10
ESSEX - contd									
19	TL 761083	C	Little Baddow Church Lane	50	E		P		Valeriana officinalis
19	TL 774074	C	Coleham Lane	160	B		PV		Galeobdolon luteum, Melica uniflora
19	TL 778096	C	Hatfield Peverill	400	B		V	ENH	
19	TL 827064	C	Maldon	50	N		V		Campanula rotundifolia
19	TL 798072	C	Woodham Walter	160	N		V		
19	TL 759053	A 414	Danbury Hill	80	S		P		Cichorium intybus
19	TL 837072	C	Maldon London Road	80	N		P		Tanacetum vulgare
18	TL 781027	C	Bicknacre	320	B		V		
18	TL 668030	C	Widford - Margaretting	800	B		V		Saponaria officinalis
18	TL 658020	C	Margaretting	200	B		V		
18	TL 635010	C	Fryerning	100	B		V		Digitalis purpurea
18	TL 613090	C	Blackmore	100	B		V		Verbascum sp., Conopodium majus
18	TL 627035	C	Highwood Quarter	200	B		V		Pulicaria dysenterica, Dipsacus fullonum
18	TL 635027	C	Mill Green	400	B		V		Stachys (Betonica) officinalis, Teucrium scorodonia

1	3	3	4	5	6	7	8	9	10
HUNTINGDONSHIRE - all scheduled									
31	TL 124695	C 163	Stocking Lane	300	B	P	P	GNI	Euphorbia amygdaloides, Melampyrum cristatum
31	TL 137725	A 604	Spaldwick	200	N	P	P	TNI	Experimental site (Geranium pratense)
31	TL 123764	C 21	Leighton	600	B		P	GNI	Calcareous grassland
31	TL 175744	C 135	Woolley Leys	200	N	P	P	GNI	Genista tinctoria
31	TL 182742	C 135	Hollows Farm	20	N	P	P	GNI	Trifolium medium
31	TL 182774	C 91	Vinegar Hill	100	E	P	VP	GNI	Daphne laureola and calcicolous species.
31	TL 183796	A 1	Stangate Hill	600	B	P	AVP	SAD/ GBD	Ulex europaeus, Gentianella amarella, Ophrys apifera, Blackstonia perfoliata, Platanthera chlorantha
31	TL 203796	C 91	Bevills Wood	1400	B	P	V	TNI	Melampyrum cristatum and rich mixed flora
31	TL 242754	C 97	Sapley	175	W	P	P	GNI	Melampyrum cristatum
31	TL 291780	D 95	Broughton Lane	360	B	P	V	GNI	Calcicole flora
31	TL 350749	C 101	Bluntisham	30	N	P	P	TNI	Campanula trachelium
31	TL 175694	C 165	Mere Lane	330	S	P	V	GNI	Relict woodland edge flora
31	TL 258838	C 63	Ramsey Heights	400	E	P	P	GBD	Orchidaceae
31	TL 048741	C 158	Keyston	1000	B	P	V		Experimental site
31	TL 144700	U	Hartham Street	3200	B		VP	TNI	Inula helenium & rich flora
31	TL 064725	C 158	Hunts Close Gorse	200	B		VP		Astragalus glycyphyllos
31	TL 329781	B 1040	Pidley	20	SW		P		Smyrniolus olusatrum
31	TL 223743	A 14	Great Stukeley	20	N		P		Smyrniolus olusatrum
31	TL 212806	C 87	Walton Bridge	200	B		V		Lathyrus nissolia & neutral grassland
31	TL 108816	B 660	Winwick	200	B		V		Calcareous grassland
31	TL 262586	B 1040	Southlodge	100	E		V		Woodland edge flora
31	TL 105782	C 134	Old Weston	400	B		P		Calcareous grassland

31. HUNTINGDONSHIRE

A. County Council Surveyors' Department

Active liaison with the Sub-Regional Office staff and Research branch at Monks Wood Experimental Station, especially over experimental road verge sites, was reported in 1972, together with active liaison with the Naturalists' Trust. Verges of special conservation importance had been scheduled, marked with posts and management prescriptions for them agreed.

B. Nature Conservancy

Active liaison with the County Surveyors' Department, both by Conservation and Research branch.

C. Bedfordshire and Huntingdonshire Naturalists' Trust

A list of twelve scheduled verges of conservation importance was given in the 1969 Biological Records Centre report and these had been continuously reviewed and up-dated, although the 1974 list is only slightly longer with 14 sites. There was a very good liaison between the Trust and the County Surveyors' Department and meetings of officers at all levels.

1	2	3	4	5	6	7	8	9	10
HUNTINGDONSHIRE - all scheduled									
31	TL 124695	C 163	Stocking Lane	300	B	P	P	GNI	Euphorbia amygdaloides Melampyrum cristatum
31	TL 137725	A 604	Spaldwick	200	N	P	P	TNI	Experimental site (Geranium pratense)
31	TL 162745	C 135	Woolley Lodge	50	N	P	P	GNI	Trifolium ochroleucon
31	TL 175744	C 135	Woolley Leys	200	N	P	P	GNI	Genista tinctoria
31	TL 182742	C 135	Hollows Farm	20	N	P	P	GNI	Trifolium medium
31	TL 182774	C 91	Vinegar Hill	100	E	P	VP	GNI	Daphne laureola & calcicolous spp.
31	TL 183796	A 1	Stangate Hill	600	B	P	AVP	SAD- GBD	Ulex europaeus, Gentianella amarella, Ophrys apifera Blackstonia perfoliata, Platanthera chlorantha
31	TL 203796	C 91	Bevills Wood	1400	B	P	V	TNI	Melampyrum cristatum and rich mixed flora.
31	TL 242754	C 97	Sapley	175	W	P	P	GNI	Melampyrum cristatum and species rich hedge
31	TL 274745	B 1090	Wyton Cross Roads	100	N	P	AD	GNI	Cardaria draba. Entomological interest
31	TL 291780	D 95	Broughton Lane	360	B	P	V	GNI	Calcicole flora
31	TL 350749	C 101	Bluntisham	30	N	P	P	TNI	Campanula trachelium
31	TL 175694	C 165	Brampton Wood	330	S	P	V	GNI	Ancient woodland edge flora
31	TL 258838	C 63	Ramsey Heights	400	E	P	P	GBD	Orchidaceae
31	TL 048741	C 158	Keyston	1000	B	P	V		Experimental site
31	TL 144700	U	Hartham Street	3200	B	P	VP	TNI	Inula helenium and rich flora.

32. LINCOLN - HOLLAND

A. County Council Highways Department

Reported in 1972 that there had been no recent contacts with the Nature Conservancy, nor with the Naturalists' Trust.

B. Nature Conservancy

No recent contact.

C. Lincolnshire Trust for Nature Conservation

No recent contact with the Highways Department mainly because there were no suitable areas for scheduling.

33. LINCOLN - KESTEVEN

A. County Council Surveyors' Department

Reported in 1972 that there was liaison with the Nature Conservancy through the Naturalists' Trust, with whom the Surveyors Department had a very active and close contact at Headquarters and at Divisional Surveyor levels. There was also liaison with the Trust through the County Council's Countryside Committee. Verges of special conservation importance had been scheduled and marked on the ground. The management agreement was for the Surveyors' Department to leave these sites alone.

B. Nature Conservancy

Good liaison with the County Surveyors' Department through the Naturalists' Trust.

C. Lincolnshire Trust for Nature Conservation

An original list of ten verges drawn up in 1966 was reproduced in the 1969 Biological Records Centre report and was expanded to 13 sites in a revision dated 1971. The Trust had had a continuing liaison with, and co-operation from, the County Surveyors' Department. (See p. 99).

34. LINCOLN - LINDSEY

A. County Council Highways Department

Reported in 1972 that there was liaison with the Nature Conservancy through the Naturalists' Trust, with whom there was very active and close contact. Verges of special conservation importance had been scheduled and were marked on the ground. Their management had been agreed.

B. Nature Conservancy

Good liaison with the Highways Department through the Naturalists' Trust.

C. Lincolnshire Trust for Nature Conservation

An original list of 14 verges drawn up in 1966 was reproduced in the 1969 Biological Records Centre report and expanded to 18 sites in a revision dated 1971. The Trust has had a continuing liaison with, and co-operation from, the Highways Department.

1	2	3	4	5	6	7	8	9	10
LINCOLNSHIRE - all scheduled with the Highway Departments									
53	SK 951348	B 6403	Old Somerby Blue Harbour	500	E	P	VP	GBD	Hippocrepis comosa and limestone species
53	SK 989488	U	North Rauceby Byards Leap Gorse	1600	S	P	VP	GBD	Hippocrepis comosa and limestone grassland
53	SK 989487	B 6403	North Rauceby Byards Leap Plantation	600	W	P	AVP	GBD	Limestone grassland and butterflies
53	SK 028437	A 153	North Rauceby California Plantation	1000	S	P	VP	GBD OBS	Herniaria glabra
53	SK 996172		Holy Well Castle Bytham	600	B	P	VP	OBK	Genista tinctoria and limestone rubble species
53	SK 980428	B 6403	Ancaster Copper Hole	4000	B	P	AVP	GBV	Road adjacent to Copper Hill SSSI. Chalkhill blue butterfly & rich limestone grassland
53	TF 022478	U	Cranwell & Byards Leap	4000	B	P	P	GBD	Genista tinctoria, Astragalus danicus, Anthyllis vulneraria
53	SK 990493	U	Byards Leap and Cocked Hat plantation, Ermine Street	4000	B	P	VP	GBD	Asperula cynanchica, Thesium humifusum, Hypochoeris maculata. Area of SSSI
53	SK 946333	B 6403	High Dyke	800	E	P	VP	GBD	Linum anglicum, Genista tinctoria
53	TF 006160	U	Holywell Verges				P		Rare plants
53	TF 007144	C	Careby, Aunsby and Holy Well	3200	B	P	VP	GBD	Thesium humifusum, Anacamptis pyramidalis, Filipendula vulgaris, Orobanche elatior
53	SK 960214	U	Lobthorpe		B				
53	TF 040610	U	Scopwick		B				
54	TF 193753	U	Baumber		B				

1	2	3	4	5	6	8	8	9	10
LINCOLNSHIRE - contd									
54	TF 215925		Binbrook	3200	B	P	AVP	GBD	Polygala vulgaris. Common blue butterfly
54	TF 322761	U	Bluestone Heath	660	S	P	VP	GBD	Brachypodium pinnatum
54	TF 386757	U	Calceby Bottom	1200	B	P	P		Dactylorchis fuchsii
54	TF 449714	U	Claxby		B				
54	TF 451700	U	Dawber Lane	1200	B		V	GBI	Chalk to boulder clay
								GBD/ FDM	transition with woodland fringe
54	TF 225629	U	Kirkby-on-Brin		B				
54	TF 296820	A 153	Louth	800	E	P	VP	GBD	Anacamptis pyramidalis, Gentianella amarella
54	TF 128879	U	Lynwood Warren	3000	B	P	VP	GAD/ FDM	Listera ovata, Hypericum pulchrum, Betonica officinalis
									Frangula alnus, Calamagrostis epigejos
54	TF 139000	U	Nettleton	800	B	P	VP	GBD/ GND	Bromus erectus and calcicolous species
54	TF 065946	U	Owersby	2500	B	P	VP	GND	Betonica officinalis and meadow grassland plants
54	TF 262803	U	Red Hill	1800	B	P	VP	GBD	Adjacent to SSSI, Acinos arvensis, Anthyllis vulneraria, Blackstonia perfoliata, Helianthemum chamaecistus
54	TF 433752	U	Rigsby	500	N	P	VP	GBD	Scabiosa columbaria
54	TF 291785	U	Rowgate Hill	800	B	P	VP	GBD	Anacamptis pyramidalis

1	2	3	4	5	6	7	8	9	10
LINCOLNSHIRE - contd									
54	SK 866982	U	Scotton Common	1600	B	P	VP	GAD/ RDE/ GBI	Adjacent to SSSI, Ericaceae, Schoenus nigricans
54	TF 328762	U	Tetford Hill	1500	B	P	VP	GBD	Adjacent to SSI, Gentianella amarella, Campanula latifolia, Blackstonia perfoliata
54	TF 060963	U	Thornton-le-Moor	600	B	P	V	ENH	Well developed hedges
54	SK 846789	U	Torksey						

35. NORFOLK

A. County Council Highways Department

Reported in 1972 that there was contact with the Nature Conservancy on the subject of roadside verges through the Naturalists' Trust. There was a very active liaison with the Naturalists' Trust and a number of verges of special conservation importance had been scheduled. The Highway Department was very sympathetic to wildlife interests and to the environmental setting of roadsides.

B. The Nature Conservancy

Reported in July 1973 that there was a close liaison between the Highways Department and the Conservancy's Regional Office.

C. Norfolk Naturalists' Trust

The Trust listed two verges of conservation importance in the Biological Records Centre's 1969 report and a further six were added in May 1973. Some of these had been marked on the ground and recommendations made for management. In November 1973 the Trust reported that they had been having more meetings with the Norfolk and Norwich Natural History Society, the Nature Conservancy Council and the County Council to protect verges of biological importance and to arrange for the controlled mowing of the scheduled sites.

1	2	3	4	5	6	7	8	9	10
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NORFOLK - all scheduled with the Highway Department

27	TM 257968	C	Shotesham	miles					
27	TM 270979	C	Brooke	1.25	B				Good boulder clay flora
27	TG 175184		Felthorpe		B				Good boulder clay flora
					S				Solidago virgaurea, heathy Woodland edge
27	TG 149171	X Road	Swannington						Epipactis helleborine and mixed flora on heathland
28	TF 931085		East Bradenham	1.25	B				Good boulder clay flora
28	TF 943217	B 1146	Brisley		W				Vicia lutea

36. EAST SUFFOLK

A. County Council Highways Department

Reported in 1972 that there was very close liaison with the local staff of the Nature Conservancy, mainly through whose efforts a number of verges of special conservation importance had been scheduled. Management recommendations had been made for more than half of these sites. There was not a very active relationship with the Naturalists' Trust at that time.

B. Nature Conservancy

Close liaison with the Highways Department. The preliminary list of verges of conservation importance scheduled with the Highway Department and shown in the 1969 BRC report was largely the work of the Nature Conservancy, stemming from initial concern about verges of particular interest in the Breckland. An up-dated list was published in Suffolk Natural History in 1970 in a joint paper by the Naturalists' Trust and the Nature Conservancy (Pierce & Ranson, 1970), with prescriptions for management. The Regional Officer reported in 1973 that over the last year (i.e. 1972/73) the Naturalists' Trust had taken over the responsibility for the scheme, which was now entirely in the hands of the Trust.

C. Suffolk Trust for Nature Conservation

In 1973 the Trust provided an up-dated list of verges of conservation importance, that included several sites not previously shown. It was intended that all these sites should be re-marked on the ground, and their management reviewed in 1973. Since May 1972 the Trust had taken over responsibility from the Nature Conservancy for liaison with the Highways Department on roadside verge matters. The Trust's Conservation Officer had appointed Trust members to supervise the running of the scheme in particular 10 km grid squares. Since spring 1973 the Highways Department had been erecting white painted posts provided by the Trust and it was anticipated that all the scheduled sites would be marked on the ground by May 1974. Since 1 April 1974 East and West Suffolk had been combined into the one County of Suffolk.

1	2	3	4	5	6	7	8	9	10
EAST SUFFOLK - all scheduled									
25	TM 395783	C 152	Holton	200	B	P			<i>Silybum marianum</i>
25	TM 293564	B 1078	Wickham Market	800	B	P			<i>Anthyllis vulneraria</i> , <i>Cichorium</i> <i>intybus</i>
25	TM 318573	A 12	Wickham Market	100	N	P			<i>Saponaria officinalis</i>
25	TM 360500	B 1084	Staverton	600	N	P			Very old Beech and Oak trees
25	TM 119485	A 1100	Little Blakenham	600	B	P			<i>Gagea lutea</i>
25	TM 097542	A 45	Needham Market	100	W	P			Chalk grassland, <i>Anacamptis pyramidalis</i>
25	TM 200599	U 4702	Framsden	200		P			<i>Allium roseum</i> (2 sites).
25	TM 198508	C 52	Witnesham	3000	B	P			Meadow flora
25	TM 113548	B 1078	Coddenham	200	N	P			Chalky boulder clay flora
25	TM 048602	B 113	Old Newton	200	W	P			Chalky boulder clay flora
25	TM 308637	B 1119	Framlingham	400	S	P			<i>Anacamptis pyramidalis</i>
25	TM 238492		Great Bealings			P			<i>Euphorbia amygdaloides</i>
25	TM 270794		Fressingfield			P			<i>Genista tinctoria</i>
25	TM 345422		Alderton			P			<i>Saponaria officinalis</i>
25	TM 364867		Ilketshall St. Lawrence			P			<i>Orchis mascula</i>
25	TM 183376	U 4108	Woolverstone			P			<i>Sedum telephium</i>
25	TM 385698		Yoxford			P			<i>Salvia horminoides</i>
25	TM 061538		Hascot Hill			P			<i>Clinopodium vulgare</i> , <i>Pimpinella saxifraga</i>
25	TM 077613	U 4607	Stowupland			P			<i>Ophrys apifera</i>

37. WEST SUFFOLK

A. County Council Surveyors Department

There was close liaison with local staff of the Nature Conservancy, but in 1972 there was less contact with the Naturalists' Trust on the subject of roadside verges. There was rather more at that time with the Bury St Edmunds Natural History Society.

B. Nature Conservancy

As for East Suffolk (q.v.). Reported in 1973 that there was active liaison between the Naturalists' Trust and the County Surveyors Department at Divisional Surveyor level. Verges of conservation importance had been marked on the ground (in the Breckland with posts originally provided and painted by the Department, but subsequently by the Naturalists' Trust) and were managed according to agreed prescription.

C. Suffolk Trust for Nature Conservation

In 1973 the Trust provided the Highways Department with an up-dated list of verges of conservation importance, that included several sites not previously shown. In early 1974 the Trust had identified some further sites to be scheduled in due course, this would be done with the new local Authority combining East and West Suffolk into one County. See also under East Suffolk.

1	2	3	4	5	6	7	8	9	10
WEST SUFFOLK - all scheduled									
26	TL 720722	C 71	Cherry Hill	2500	B	P	VP	GBD	Helianthemum chamaecistus, Scabiosa columbaria, Euphorbia cyparissias, Silene otites, S. conica, Astragalus danicus
26	TL 721714	U 22	Barton Mills			P			Herniaria glabra
26	TL 760704	U 17	Cavenham	2500	B	P	VP	GBD	Muscari atlanticum, Thymus sp. Scabiosa columbaria, Silene otites, Medicago minima
26	TL 743711	C 12	Tuddenham	915	S	P	V	TBD	Calcicole flora
26	TL 738613	C 14	Dalham			P			Melampyrum cristatum
26	TL 705715	A 11	Chalk Hill	2110	B	P	VP	OBK/ SBD	Calcicole flora, Acinos arvensis Anthyllis vulneraria, Melilotus sp, Onobrychis viciifolia, Thymus sp.
26	TL 768743	B 1112	Icklingham	1250	B	P	VP	GBD	Silene otites, S. conica, Medicago minima, Ornithogalum umbellatum
26	TL 746740	A 1101	Icklingham	4225	B	P	V	GAD/ GMD	Ornithogalum umbellatum
26	TL 749762	B 1112	How Hill	1792	B	P	V	GBD	Relic heath vegetation
26	TL 735775	B 1112	Foxhole Heath	634	N	P	VP	GBD	Chalk and heathland flora Medicago falcata, Festuca glauca, Carex arenaria
26	TL 728742	B 1065	Mildenhall Woods	900	E	P	V		Heathland Flora
26	TL 735745	A 11	Mildenhall Woods	2816	B	P	VP	GAD	Heathland flora, Trifolium arvense
26	TL 729742	A 1101	Mildenhall Woods	1690	N	P	V	GAD	Heathland flora

1	2	3	4	5	6	7	8	9	10
WEST SUFFOLK - contd									
26	TL 729760	A 1065	Codson Hill	493	E	P	V	GBD	Chalk grassland flora
26	TL 786715	C 74	Rampart field	1126	B	P	VP	GAD/ GND	Saxifraga granulata, S. tridactylites
26	TL 804713	C 74	Kings Forest	2534	B	P	V	GAD	Relic heath flora
26	TL 894796	A 1088	Warren House	1197	W	P	V	GAD	Acid grass heath flora
26	TL 863803	A 134	Barnham Barracks	493	W	P	V	GAD/ GND	Heathland flora
26	TL 840797	C 31	Thetford Heath	3091	B	P	V	GAD	Relic heathland flora Echium vulgare, Thymus sp.
26	TL 782773	A 11	Elveden	1690	B	P	V	GAD/ GND	Heathland flora
26	TL 735803	A 1065	Wangford Warren	5210	B	P	V	GAD	Heathland flora Artemisia campestris
26	TL 706509	A 143	Sowley Green			P	V		Chalky - clay flora
26	TL 699478	A 143	Blunts Hall			P	V		Damp grassland
26	TL 851465	A 1092	Glemsford	1000	B	P			
26	TL 935583	U 187	Gedding	700	E	P	V		Primula vulgaris
26	TM 025728	U 88	Wattisfield	4000	B	P	P		Primula spp., Viola spp.
26	TL 933443	C 90	Little Waldingfield	4000	B	P	V		Ononis repens, Onobrychis viciifolia
26	TL 925425	U 228	Great Waldingfield	500	N	P	V		
26	TM 000404	U 243	Polstead	3400	B	P	P		Shade flora
26	TL 993512	U 220	Hitcham	3000	B	P	P		Blackstonia perfoliata and mixed flora
26	TL 886519	A 134	Alpheton	1300	E	P	V		Chalky clay flora
26	TL 737476	U 158	Hundon		W	P	VP		Ophrys apifera
26	TL 773609	C 3	Hargrave		E	P	VP		Anacamptis pyramidalis
26	TM 009349	U 269	Thornington Street		E	P	VP		Calamintha ascendens

Chapter VII

NATURE CONSERVANCY NORTH REGION

- 38. CUMBERLAND
- 39. CO. DURHAM
- 40. LANCASHIRE
- 41. NORTHUMBERLAND
- 42. WESTMORLAND
- 43. YORKSHIRE EAST RIDING
- 44. YORKSHIRE NORTH RIDING
- 45. YORKSHIRE WEST RIDING

The Lake District Naturalists' Trust covers the Counties of Cumberland, Westmorland and Lancashire north of Morecambe Bay. All three Ridings of Yorkshire are covered by the Yorkshire Naturalists' Trust.

38. CUMBERLAND

A. County Council Highways and Bridges Department

Reported in 1972 that there was no direct contact with the Nature Conservancy. There had initially been some liaison with the Naturalists' Trust and some verges of conservation importance had been scheduled, but not marked on the ground. Area Surveyors had been informed of the location of these sites and instructed in their management. There was a general agreement to mow them once late in the year, or not to mow them at all.

B. Nature Conservancy

Reported in 1973 that contact had been made with the Highways Department and a sympathetic response received.

C. Lake District Naturalists' Trust

39. COUNTY DURHAM

A. County Council Surveyor's Department

In 1972 reported that there was not any direct contact with the Nature Conservancy. There was good liaison with the Naturalists' Trust and a list of scheduled verges of conservation importance. These sites had been marked on the ground and management prescriptions agreed for them with a Code of Practice in preparation for use by Divisional Surveyors. A member of the County Surveyors Staff was a keen member of the Naturalists' Trust and on its Road-verges sub-committee.

B. Nature Conservancy

Reported in 1973 that there was no record of direct contact between the Conservancy and the County Surveyor but that there was close liaison between the Conservation Trust and the Department.

C. Durham County Conservation Trust

Reported in 1974 that the list of roadside verges of conservation importance notified to the County Surveyor's Department had been mostly compiled in 1972 and 1973, but that there was a list of three sites that had been sent earlier to the Biological Records Centre, although not in time for the 1969 report. Members of the Trust were being encouraged to send in records of interesting verges and those received were being checked and collated. The Trust was very appreciative of the exceptional interest, encouragement and practical help received from the County Surveyor and his staff. With their help species of Magnesian limestone flora 'rescued' from a nearby quarry development had been planted on the central reservation of a new dual carriageway.

1	2	3	4	5	6	7	8	9	10
COUNTY DURHAM - all scheduled									
66	NZ 323391	C	Cassop Moor					SBD/ SBD	Dactylorhiza incarnata, Primula farinosa, Viola reichenbachiana
66	NZ 320380	U	Quarrington Church					GBD	Viburnum opulus, Listera ovata, Gymnadenia conopsea, Helianthemum chamaecistus
66	NZ 327385	U	Quarrington Bank						Rosa pimpinellifolia x mollis. Viola reichenbachiana
66	NZ 343397	A 181	Thornley		N			AP	Epipactis atrorubens. Butterflies
66	NZ 340398	A 181	Thornley		S				Gymnadenia conopsea and magnesian limestone flora
66	NZ 326320	U	Bishop Middleham		N				Linum anglicum
66	NZ 345317	A 177	Coxhoe						Brachypodium pinnatum
66	NZ 406334	U	Hurworth Station		S				Glacial drift acid soil flora on limestone
66	NZ 350420		Haswell Moor Farm						Magnesian limestone flora
66	NZ 347430	U	Pittington		B				Magnesian limestone flora
66	NZ 095334	B	Hamsterley		B				Solidago virgaurea, mixed herbaceous and woody flora
66	NZ 067384	U	Wolsingham		B				Petasites hybridus, Filipendula ulmaria
66	NZ 080432	B	Springwell Farm		B			P GAF	
66	NZ 188204	C	Killerby		B				Centaurea scabiosa
66	NZ 147212		Ingleton		W			RDE	
66	NZ 353368	B	Town Kelloe		B			GBD	Magnesian limestone flora
66	NZ 329172	U	Stockton near Elton					A	Many invertebrates
66	NZ 383164		Long Newton					A	Many invertebrates

1	2	3	4	5	6	7	8	9	10
DURHAM - contd									
66	NZ 064204	U	Barnard Castle Golf Club						Dactylorchis fuchsii, Primula veris
66	NZ 122091		Old Cleatham					V	Mixed herbaceous and woody flora
66	NZ 285472	U	Cocken		N				Lonicera xylosteum, mixed herbaceous and woody flora
66	NZ 089381	B 6296	Wolsingham		N				Petasites albus
66	NZ 385539	B 6293	Wearhead		B				Mixed herbaceous vegetation and ferns
66	NZ 153313	U	Witton-le-Wear		N			AV	Mixed herbaceous and woody flora and birds.
66	NZ 125455	U	Broadwood		S				Doronicum pardalianches
66	NZ 085455	U	North Plantation		N			AV	Genista anglica, Botrychium lunaria, Calluna vulgaris, Viola palustris.
66	NZ 332454	U	High Moorsley		E				Primula veris, Carlina vulgaris
66	NZ 064414	U	Tunstall Reservoir		N				Mixed flora
66	NZ 109315	U	Knitsley Fell					AV	Mixed herbaceous and woody flora and birds
66	NZ 147185	U	Staindrop						Adoxa moschatellina
66	NZ 370206	U	Bishopton						Primula veris
66	NZ 102448	U	West Butsfield					F-M	Dryopteris borreeri
66	NY 879395	C 77	West Blackdene						Viola lutea, Arenaria spp.
66	NZ 315224		Preston Lodge		B				Primula veris, Dactylorchis sp.
66	NZ 356225	U	Morden		E				Primula veris
66	NZ 164292	U	High Etherley					A	Entomological interest
66	NZ 158294	B 6283	Witton Castle						Linaria vulgaris, Mentha arvensis Scutellaria minor

1	2	3	4	5	6	7	8	9	10
DURHAM - contd									
66	NZ 166293	B 6283	Whitton Park						Galeopsis tetrahit
66	NZ 136455	U	B 6296 Five Lane Ends - A 68					DAD	Acid vegetation
66	NZ 098307	U	Black Hill Top						Mixed herbaceous and woody vegetation
66	NZ 100305	U	Bedburn						Mixed herbaceous and woody vegetation
66	NZ 109314	U	Bedburn Mill						Mixed herbaceous vegetation
66	NZ 102316	U	Bedburn Mill						Epipactis helleborine

40. LANCASHIRE

A. County Council Surveyors Department

Reported in 1972 that there was no contact with the Nature Conservancy. Administrative contact had been made with the Lake District Naturalists' Trust in 1971 and a meeting was held with a representative of the Trust in July 1971. There had not been any contact with the Lancashire Naturalists' Trust.

B. Nature Conservancy

In 1973 confirmed that there had not been any contact with the County Surveyors Department. Reported that there had been some preliminary liaison between the Lancashire Trust and the Surveyors Department. Generally speaking the management of secondary roads gave no cause for concern but it had not proved possible to reach any agreement on modifications to the intensive management of the M6 Motorway banks.

C. Lancashire Naturalists' Trust

No liaison on the scheduling of road verges of conservation importance, nor any list of possible sites.

D. Lake District Naturalists' Trust

No information.

41. NORTHUMBERLAND

A. County Council Surveyors Department

Reported in 1972 that there had been some direct liaison with the Nature Conservancy, and also indirectly through the Naturalists' Trust. There was an effective and close liaison with the Trust. A number of road verges of conservation importance had been scheduled eight or nine years previously and some of these had not been mown since that time.

B. Nature Conservancy

Reported in 1973 that the Naturalists' Trust had notified a number of road verge sites in 1963, and that undertakings given by the County Surveyor at that time had been honoured ever since. In 1970 further contact was made by the Conservancy and the Trust with the Surveyors Department to confirm their continuing interest in the protection of the scheduled road verge sites.

C. Northumberland Wildlife Trust

Reported in 1973 that no revisions had been made to the list of roadside verges of conservation importance since 1969.

1	2	3	4	5	6	7	8	9	10
NORTHUMBERLAND - all scheduled									
68	NU 024338	C	Horton	4500					
68	NU 037387	C	Kyloe Woods	2000			V	FDM	
68	NU 069389	C	Fenwick Wood	1200					
68	NU 129113	C	Lemington Hall	1600					
68	NU 152275	C	Rosebrough	3000					
68	NU 194218	B 6347	West Falloden	2500					
68	NU 166349	B 1342	West of Bamburgh	400			P		Dianthus deltoides
68	NU 231183	C	Craster South Farm	4000					
68	NU 203282	C	Chathill	800					
67	NY 7--8--	C	Bellingham to Kielder	30 km	N		VP	TBI	Cirsium heterophyllum, Eupatorium cannabinum Geranium sylvaticum
67	NY 964634	C	Dipton Wood	100			V	FDM	
67	NY 962680	C	Beaufront Hill Head	2800					
67	NY 944787	C	Throckington	3500					
67	NY 985778	C	Little Ravington	1900					
67	NZ 044575	C	Apperley Dene	2500					
67	NZ 012653	C	Thornborough	1500					
67	NZ 007790	C	Steel Rig	2500					

42. WESTMORLAND

A. County Council Roads and Bridges Department

Reported in 1972 that there was no contact with the Nature Conservancy. The Naturalists' Trust and other conservation organisations were all active in the County. About ten miles of roadside verges were protected but were not marked on the ground. It had been agreed that they should not be cut; this arrangement had been in operation for about two and a half years.

B. Nature Conservancy

Confirmed in 1973 that there was no contact with the Roads and Bridges Department

C. Lake District Naturalists' Trust

One scheduled road verge site was notified to the Biological Records Centre following the publication of the BRC report in 1969.

1	2	3	4	5	6	7	8	9	10
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WESTMORLAND WITH NORTH LANCASHIRE - not known if scheduled

69	SD 6--9--	B 6257	Sedburgh/Low hill	5000	B	VP	TBD	Geranium sylvaticum
69	SD 6--9--	B 6257	Sedburgh/Low hill	5000	B	VP	EBH	Silene dioica

43. YORKSHIRE - EAST RIDING

A. County Council Highways Department

In 1972 reported that there was no recent contact with the Nature Conservancy. There was adequate liaison with the Naturalists' Trust, who had two road verges of conservation importance scheduled with the Department. These sites were marked on the ground and there was an agreement not to mow them during the flowering season of the plants of special interest.

B. Nature Conservancy

Confirmed that there had been no recent contact with the Highways Department.

C. Yorkshire Naturalists' Trust

Two verges of conservation importance were scheduled in the East Riding in September 1969. When the local government reorganisation due in April, 1974 had been completed, it was hoped to make further contact with the Highways Departments concerned. See also 'Yorkshire - West Riding'.

1 2 3 4 5 6 7 8 9 10

YORKSHIRE - EAST RIDING - not scheduled

61	SE 667398	Skipwith - Thorganby	1300	B	P	FEM	Epipactis helleborine Listera ovata
61	SE 955377	Beverley - Newbald		S	V	GBD	Gentianella campestris and chalk flora.

44. YORKSHIRE - NORTH RIDING

A. County Council Highways and Bridges Department

Reported in 1972 that there was no contact with the Nature Conservancy, and practically no contact with the Naturalists' Trust, nor scheduled verges of conservation importance.

B. Nature Conservancy

Confirmed in 1973 that there was no contact with the Highways department but did understand that there had been some contact between the Highways Department and the Naturalists' Trust over a number of specific verge sites.

C. Yorkshire Naturalists' Trust

Two road verge sites of conservation importance were scheduled with the Highways Department in 1969 and notified to the Biological Records Centre in October that year after the production of the Records Centre's report. These sites were said to have been agreed by the Highways Department. See also 'Yorkshire - West Riding'

1	2	3	4	5	6	7	8	9	10
YORKSHIRE - NORTH RIDING - all scheduled									
65	SD 664915	Bransdale - Fadmore			W		P	Campanula glomerata, Parnassia palustris	
65	SD 674927	Gillamoor - Farndale			E		P	Antennaria dioica	

45. YORKSHIRE - WEST RIDING

A. County Council Highways and Bridges Department

Reported in 1972 that there had been contact with the Nature Conservancy at the time of setting up liaison between the Department and the Naturalists' Trust, but that there had been no further contact after that time. There was good liaison with the Naturalists' Trust dating from 1963, but the initiative was left to the Trust. By 1972 there were six scheduled road verge sites of special conservation importance. These were not marked on the ground, but they were known to the people concerned and it was agreed that they should not be cut during the flowering period of the plants of interest. The Department was very sympathetic to wildlife, and in January 1971 issued a Technical Instruction revised from 1968 on the subject of "Maintenance of roadside margins - grass cutting" that specifically mentioned the conservation of wildlife as a factor to be considered by maintenance staff. In general the Department would prefer to leave a whole stretch of verge unmown rather than select small areas from it for special management.

B. Nature Conservancy

Reported in 1973 that there had been renewed contact with the Highways Department to confirm the standing arrangements with the Naturalists' Trust on the management of the scheduled sites.

C. Yorkshire Naturalists' Trust

Two scheduled road verge sites were notified to the Biological Records Centre in October 1969, after the publication of the Centre's preliminary report. Subsequently a further four sites in the Settle RDC's area had been scheduled. With the far-reaching changes in the County boundaries in Yorkshire after 1 April 1974, the Trust was intending to establish a liaison with the Highway Departments of the new Counties. As a first step in April 1974, they wrote to the South Yorkshire County Council, pointing out the close links that there had previously been in the West Riding and expressing a hope that there would be similar co-operation with the new Authority. It was intended to approach the other new Authorities in a similar way.

1	2	3	4	5	6	7	8	9	10
YORKSHIRE - WEST RIDING - all scheduled									
64	SD 771497		Bolton-by-Bowland				P		Geranium phaeum
64	SD 74-52-	B 6478	Slaidburn - Wigglesworth		B		P		Dactylorchis maculata Gymnadenia conopsea
64	SD 757642		Kettleback Bridge		B		V		Mixed flora
64	SD 751669		Austwick		B		P		Aquilegia vulgaris Caltha palustris
64	SD 778659		Lawkland		B		P		Viola odorata, Campanula glomerata, Echium vulgare, Anemone nemoralis
64	SD 692698		Lowther Hill		B		P		Primula farinosa, Caltha palustris, Orchis mascula, Pinguicula vulgaris

Chapter VII

NATURE CONSERVANCY NORTH WALES REGION

46. ANGLESEY
47. CAERNARVONSHIRE
48. DENBIGHSHIRE
49. FLINTSHIRE
50. MERIONETHSHIRE
51. MONTGOMERYSHIRE

The report for this region has been prepared in a different form to the others as all six Counties are covered by the North Wales Naturalists' Trust. Because the membership of the Trust is rather scattered over a region that is generally thinly populated, the liaison with Highway Authorities varies between the different Counties. In Anglesey, where road verge problems are most acute and Trust members are particularly interested, there is a growing liaison with the Highways Department. Similarly, a sound beginning has been made in Montgomeryshire. Elsewhere in the region, the Trust is being assisted by Nature Conservancy Council regional staff while local Trust membership is strengthened. In due course the Trust expects to take a more uniform responsibility for roadside matters in all the six Counties. The development of this involvement of the Trust will be noted in the differences between the information collected from Highway Departments in 1972, and that supplied by the Nature Conservancy Council and the Trust up to April 1974.

A. County Council Highways Departments

In 1972 the officers of the County Council Highway Departments reported for the Counties as follows.

46. Anglesey There was contact with the Nature Conservancy, but no contact nor liaison with the Naturalists' Trust on roadside matters nor had any sites of conservation importance been notified.
47. Caernarvonshire There was good general contact with the Nature Conservancy at Bangor and some liaison with the Naturalists' Trust. A site of special conservation interest had been scheduled in the Conway Valley. The Highways Department was glad to co-operate with conservation interests on roadside matters but felt that the initiative should come from them.
48. Denbighshire There was close liaison with the Nature Conservancy and the Highway Department liked to help where they could. Some roadside conservation sites had been chosen and arrangements made to mark them on the ground if appropriate. There had not been any approach from the Naturalists' Trust at this time.
49. Flintshire In 1972 the Highways Department did not have a liaison with the Nature Conservancy, nor had an approach been made by the Naturalists' Trust.
50. Merionethshire The Highways Department had some contact with the Nature Conservancy but not with the Naturalists' Trust. No sites of conservation importance had been scheduled.
51. Montgomeryshire There was liaison with the Nature Conservancy. Three sites of conservation importance had been scheduled by the Naturalists' Trust and these were protected from cutting until late in the season. They were marked on the ground with white posts.

B. Nature Conservancy/North Wales Naturalists' Trust

In 1973/74 reported for the Counties as follows. In both Anglesey and Caernarvonshire especially, more roadside verge sites would be scheduled and liaison with the Highways strengthened as sites were discovered that needed protection.

46. Anglesey The Naturalists' Trust had agreed to carry out a survey of verges on the island and any of scientific interest would be added to the list of scheduled verges already notified to the Highway Department. Those that had been scheduled were being managed appropriately by the Department to conserve their interest.
47. Caernarvonshire As a result of joint consultation between the Highway Authority, the University College of North Wales and the Nature Conservancy, research was being undertaken by the University to assess the effects of different types of road verge management upon the biological interest of the verges. Nature Conservancy contact with the Roads and Bridges Department had also been concerned with the notification of a single road verge site of conservation importance, and to giving ecological advice to aid the recovery of verges after road works.
48. Denbighshire Two roadverge sites had been scheduled by the Nature Conservancy with the Roads and Bridges Department, and others were being considered. The Naturalists' Trust had been involved in the initial discussions with the Department and it was expected that as members of the Trust discovered additional sites of importance, the Conservancy and the County Council would be informed.
49. Flintshire There was a joint approach by the Naturalists' Trust and the Council for the Preservation of Rural Wales to agree arrangements for road-verge conservation. Specific verge sites will be notified for protection in 1974.
50. Merionethshire There had been some contact between the County Surveyor's Department and the Nature Conservancy/Naturalists' Trust on an occasion when there had been misuse of herbicide sprays on roadside verges. No sites of conservation importance had been notified although there had been informal liaison with the staff of one of the Divisional Surveyors to protect a road verge where the Lesser Butterfly Orchid grew.
51. Montgomeryshire Four road verge sites of conservation importance had been scheduled by the Naturalists' Trust and Nature Conservancy with the County Surveyor's Department, and these had been marked on the ground. Two other verges had been surveyed.

1	2	3	4	5	6	7	8	9	10
NORTH WALES - all scheduled with the Highway Departments									
ANGLESEY									
52	SH 487831	C	Rhosfawr	150	N		V	GBD/ Geranium sanguineum SBD	
52	SH 479835	C	Rhosfawr	150	N		V	GBD/ Geranium sanguineum SBD	
52	SH 491767	C	Penrhyn/Dorth Goch Farm	2	B		V	CNI/ Aquilegia vulgaris RDE/EDW	
52	SH 532789	C	Pentraeth	200	E		V	FDN Asplenium adiantum-nigrum	
52	SH 469771	C	Lon Bacsia	100	NE		V	ENH/ Aquilegia vulgaris GND/GNI	
52	SH 467775	C	Gwaenfangor	400	B		V	ENH/ Aquilegia vulgaris GND/GNI	
DENBIGHSHIRE									
50	SJ 164607		Bwlch Pen-Barras	150	N		VP	DAD Lycopodium clavatum	
50	SJ 173513	A 525	Castell-yr-Adwy	270	S	P	P	GBI Cirsium heterophyllum	
MONTGOMERYSHIRE									
47	SJ 180104		Stone House near Welshpool				V		
47	SJ 159091		Maesmawr Hall, near Guilsfield	75	N	P	P	ENH Colchicum autumnale	
47	SJ 160023	B 4390	Berriew				V		
47	SH 886033	A 489	Llanbrynmair	200	N	P	P	ENH/ Serratula tinctoria GBD	
47	SN 950918		Trefeglwys				P	Epipactis helleborine	
47	SJ 269203	A 483	Llanymynech	15	E	P	P	ENH Sambucus ebulus	

Chapter IX

NATURE CONSERVANCY SOUTH WALES REGION

- 52. BRECKNOCK
- 53. CARDIGANSHIRE
- 54. CARMARTHENSHIRE
- 55. GLAMORGAN
- 56. MONMOUTHSHIRE
- 57. PEMBROKESHIRE
- 58. RADNORSHIRE

The West Wales Naturalists' Trust covers Cardiganshire, Carmarthenshire and Pembrokeshire. Radnorshire is combined with Herefordshire into one Naturalists' Trust that straddles the Conservancy's Midland and South Wales regional boundary.

52. BRECKNOCK

A. County Council Roads and Bridges Department

Reported in 1972 that there was no direct contact with the Nature Conservancy. There was some liaison with the Naturalists' Trust and the County Surveyor would have liked there to be more. He would also have liked to encourage the Naturalists' Trust to manage any areas of verge of conservation interest. One verge site had been scheduled but at that time was not marked on the ground.

B. Nature Conservancy

Reported in 1973 that there was no direct contact with the Road Department, but the Conservancy's influence might be felt through a member of staff who was actively involved with the Trust. It was considered that there was a clear need for all road verge sites to be marked on the ground and their management to be agreed in writing.

C. Brecknock County Naturalists' Trust

In 1973 five verges of conservation importance had been agreed in principle with the County Surveyor. Two of these had been marked with posts and verbal agreements reached on their management. The Deputy County Surveyor was a member of the Trust's Conservation Committee.

1	2	3	4	5	6	7	8	9	10
BRECKNOCK - all scheduled with the Highway Department									
42	SO 120240	A 40	Llansantffraed	600	E	P	VP	FDM	Lathyrus nissolia
42	SO 180195	B 4558	Llangynidr	900	S	P	VP	ENH/ FDM	Campanula trachelium
42	SO 222134	U 584	Clydach	900	W		V	GBD	
42	SN 775114	C 202	Cwm-Twrch	700	E		V	GAF/ RDE	Osmunda regalis. Damp moorland.

53. CARDIGANSHIRE

A. County Council Surveyor's Department

No direct contact with the Nature Conservancy about roadsides. Some contact with the Naturalists' Trust. The Department did not feel that more formal contact with the Naturalists' Trust was needed because of the Department's awareness of those places where care was required. Mowing of roadside verges generally was left as late in the year as possible in the conservation interest.

B. Nature Conservancy

Confirmed in 1973 that there was no direct contact with the Surveyors' Department. It was thought that the Department's concern with conservation emanated from the two Area Surveyors, who were active conservationists, rather than from the Headquarters. It was felt that a more formal liaison between the Naturalists' Trust and the Department should be made. Also, that road verges of conservation importance should be scheduled, marked on the ground and management programmes agreed against the time when there might be changes in the Surveyor's Department staff.

C. West Wales Naturalists' Trust

No arrangements about roadsides in the County.

54. CARMARTHENSHIRE

A. County Council Roads and Bridges Department

No direct contact with the Nature Conservancy. Good liaison with the Naturalists' Trust. Road verges of special conservation importance scheduled and marked on the ground by posts. These (short) sites managed by hand to the Trust's prescription.

B. Nature Conservancy

Confirmed in 1973 that there was no direct contact with the Roads Department. A member of the Conservancy's staff was actively involved with the Naturalists' Trust's Nature Reserves Committee, which had direct liaison with the County Council's District Surveyor through its Chairman. As a result of Conservancy liaison the County Planning Department had been informed of the location of the scheduled verge sites.

C. West Wales Naturalists' Trust

Ten verges of conservation importance had been scheduled with the Roads Department and were managed to the Trust's prescription.

1	2	3	4	5	6	7	8	9	10
CARMARTHENSHIRE - all scheduled with the Highway Department									
44	SN 363252	C	Newchurch	200	B	P	VP	TAF	Polygonatum multiflorum
44	SN 483218	A 40	Nantgaredig	100		P	VP	TND	Pentaglottis sempervirens
44	SN 515137	C	Nant-y-Gleisiad	18		P	VP	GBD	Helleborus viridis
44	SN 584224	C	Llangathen	100		P	P	TNF	Geranium pyrenaicum, G. lucidium, G. pratense
44	SN 596206	B 4300	Golden Grove	3		P	VP	GND	Carex spicata
44	SN 534316	C	Brechfa	10		P	VP	F-M	Myrrhis odorata
44	SN 549347	C	Rhos-y-corn	30		P	VP	RDW	Sibthorpia europaea
44	SN 616164	C	Pentre Gwenlais			P	VP		Crepis biennis
44	SN 666188	C	Carreg Cennen	200		P	VP	SBD/ FDM	Rosa micrantha
44	SN 74-39-	C	Cilycwm	600	B	P	VP	GBI	Rosaceae and Orchidaceae

55. GLAMORGAN

A. County Council Surveyor's Department

Reported in 1972 that there was contact with the Nature Conservancy through the Naturalists' Trust with whom there was an effective liaison. Verges of special conservation importance had been scheduled and had been marked on the ground, but the pegs had disappeared. There was an agreement to manage them at as favourable a time as possible.

B. Nature Conservancy

Reported in 1973 that there was no contact with the County Surveyor's Department and did not know of any scheduled or specially managed verges. There appeared to be some misunderstanding in the County Council Surveyors Department.

C. Glamorgan County Naturalists' Trust

Reported in 1974 that no indication could be found that the Trust had ever been in communication with the Glamorgan County Council in regard to the scheduling verges. A letter had been sent to the County Surveyor's Department to see if any more light could be shed on the matter. It was subsequently discovered that the County Council's contact had been with a member of the Department of Botany at University College, Cardiff who was not a member of the Trust. Arrangements were now being made (April, 1974) for the matter to be discussed by the parties concerned.

56. MONMOUTHSHIRE

A. County Council Surveyor's Department

Reported in 1972 that there was no contact with the Nature Conservancy or the Naturalists' Trust, and that there were no scheduled verges of conservation importance.

B. Nature Conservancy

Reported in 1973 that there was no direct contact with the Surveyor's Department, but that the Naturalists' Trust was being encouraged to make contact. It was understood that the Trust might have a number of possible verge sites for notification to the Department.

C. Monmouthshire Naturalists' Trust

The Trust reported in April 1974 that its Scientific Sub-Committee had been drawing up a list of verges of conservation importance for a number of years, but that this had not yet been completed. There was some hesitancy over the wisdom of drawing attention to certain sensitive areas. There had been contact with the County Surveyor and members of his staff several years ago, but there was no mention of any recent meetings or liaison.

57. PEMBROKESHIRE

A. County Council Surveyor's Department

Reported in 1972 that there was no direct contact with the Nature Conservancy. There was close contact with the Naturalists' Trust and a number of road verge sites of conservation importance had been scheduled. The agreement was for the County Council to leave these sites alone for the Naturalists' Trust to manage, but this was not working very well and the Council was hoping that the Trust would be able to be more active in looking after them. In general, the Department was sympathetic to conservation and in some Divisions mower operators were instructed not to cut wild plants in flower.

B. Nature Conservancy

Confirmed in 1973 that there was no direct contact with the County Surveyor's Department. A member of the Conservancy's staff was in contact with the Pembrokeshire County Committee of the Trust and it was expected that when he had been outposted to the County (which he was about to be) he would sit on the Committee and be able to give more assistance to the Trust.

C. West Wales Naturalists' Trust

Twelve road verge sites of conservation importance had been agreed with the County Surveyor in April 1973.

1	2	3	4	5	6	7	8	9	10
PEMBROKESHIRE - all scheduled with the Highway Department									
45	SM 861088	C	Spreadeagle Hill						Geological exposure
45	SM 856112	B 4327	Hasguard Cross						Orchis mascula, Endymion non-scriptus, Primula veris
45	SM 884198	A 487	Little Hilton						Geranium pratense
45	SN 011024	A 4075	Stoop Lakes Corner						Orchis mascula, Dactylorchis fuchsii, Origanum vulgare
45	SN 098018	B 4318	Wedlock Corner						Inula helenium
45	SN 050041	A 4075	Carew						Geranium phaeum
45	SN 051055	C	Teague's Cross						Marsh orchid, Platanthera bifolia
45	SN 099403	B 4548	Trefoel						Helleborus viridis
45	SN 084392	A 487	Temple Bar						Orchis mascula, Dactylorchis fuchsii
45	SN 087340	B 4329	Tafarn-y-bwlch						Vicia orobus, Lathyrus montana, Hieracium umbellatum
45	SN 124397	U	Panteg						Melittis melissophyllum, Melampyrum pratense
45	SR 957979	C	Chapel hill						Orchidaceae, Iris pseudacorus

58. RADNORSHIRE

A. County Council Surveyor's Department

Reported in 1972 that there was no contact with the Nature Conservancy, nor with the Naturalists' Trust. No road verge sites of conservation importance had been scheduled.

B. Nature Conservancy

Confirmed that there was no direct contact with the Surveyor's Department. The Radnorshire section of the Herefordshire and Radnorshire Naturalists' Trust was very small and without much outside help. It was hoped that the posting of a member of the Conservancy's staff to the County might provide some encouragement, and specifically assist the Trust to identify suitable road verge sites with a view to notifying them to the Surveyor's Department.

Chapter X

SCOTLAND

CHAPTER X SCOTLAND

Information about the protection of road verges of conservation importance in Scotland has been obtained through the Nature Conservancy Council and the Scottish Wildlife Trust; no enquiries have been made of the County Council Highways Departments.

The Scottish Wildlife Trust reported that in the latter part of 1973 it had considerably increased its efforts to organise protection for roadside verges, but West, Mid and East Lothians, Berwickshire and Perthshire were still the only counties with marked verges. An advance over the 'traditional' marker post had been made in East Lothian where the letters SWT had been painted in roadpaint directly on to the road surface, some yards in advance of the protected verge to allow time for the road man to lift the cutting machine clear. Some very useful co-operation had developed between the Scottish Wildlife Trust and the County Amenity Society in the East Lothian area over the guardianship of the marked verges. It was also hoped that verges with common plants could be marked to provide roadside areas of amenity value as well as wildlife importance.

Meanwhile the management of the marked sites in the Lothians was for there to be no cutting until after the seeds had set.

Of the other Counties, the Road Surveyors of Ayrshire, Wigtownshire, Banff, Wester Ross, Kirkcudbrightshire and Aberdeenshire had been approached as to the regimes of roadside verge maintenance and the possibility of verge reserves. Kirkcudbrightshire had already agreed to verge marking and surveys of Aberdeenshire verges were being planned.

The Trust's main problem had been getting the roadside verge's importance across to the appropriate authorities. On several occasions 'pressure from farmers' was quoted as a reason for verge cutting and other forms of disturbance. It was hoped that the Branches where this had occurred could establish closer relationships with the agriculturalists and approach the problem from their side.

The excellent DOE circular 36/73 circulated by SPNR had not been passed on to Scottish County Councils who relied on the Scottish Development Department Technical Bulletin on verge management for their official guidance. The Trust had approached the Scottish Development Department Chief Road Engineer and was attempting to persuade him that the contents of this circular should be passed on to the appropriate authorities in Scotland.

The attached lists for Berwickshire, Mid, East and West Lothian, Perthshire, Roxburghshire and Selkirk, together with a confidential list of 19 sites from Angus are believed to be a complete account of the recognised roadside sites of conservation interest in Scotland at the present date (March 1974). Those in the Lothians, Berwickshire and Perthshire have been marked by the Wildlife Trust and scheduled with the County Authorities, but it is not known what management arrangements, if any, have been made except in the Lothians.

1	2	3	4	5	6	7	8	9	10
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SCOTLAND

ANGUS - 19 road verge sites notified to County Road Department in confidence

BERWICKSHIRE - all notified to the County Surveyor

81	NT 792512	A 6112	Nisbet House		E	P	Lysimachia nummularia
81	NT 868534	B 6437	Whitsome Road		W	P	Geranium pratense
81	NT 866541	B 6437	Allanton		W	P	Rosa arvensis
81	NT 805533	C 30	Wedderburn Castle		N	P	Polygonum bistorta
81	NT 825467	A 699	Swinton Bridgend Farm		E	P	Senecio erucifolius
81	NT 797447	A 699	Bughtrig East Lodge Gate		S	P	Rosa arvensis
81	NT 784438	A 699	Leitholm		S	P	Cicerbita macrophylla
81	NT 815414	C 23	Charterpath Bridge, Castlelaw			P	Plantago media
81	NT 829422	C 23	Hirsel Law Cross Roads		N	P	Galium boreale, Sedum telephium
81	NT 668384	A 6089	Girrick		E	P	Dianthus deltoides
81	NT 664381	U 40	Girrick		N	P	Agrimonia eupatoria
81	NT 576374	B 6356	Cowdenknowes		S	P	Aremonia agrimonoides

EAST LoTHIAN - all scheduled (Column 7 - R = road painted SWT)

82	NT 487690	C	Nr Blance, E. Saltoun	20		R	P	Geranium endressii, G. pratense
82	NT 456757	C	Nr Elvingston	25		R	P	Geranium phaeum
82	NT 472723	C	Blinkbonny	400	B	R	VP	Geranium pratense
82	NT 477724	C	Gladshot	100		R	P	Dactylorchis fuschii
82	NT 560681	B 6355	Gifford	4		R	P	Sedum telephium
82	NT 563697	C	Bara	15		R	P	Geranium phaeum
82	NT 563819	C	Waughton Cross Roads	210		R	P	Dianthus deltoides, Potentilla argentea Trifolium striatum Saxifraga granulata

1	2	3	4	5	6	7	8	9	10
EAST LoTHIAN - contd									
82	NT 576815	C	Leuchie	40		R	P		Silene dioica
82	NT 652738	C	Burnhead	200		R	P		Geranium sylvaticum, Myrrhis odorata
82	NT 721571	C	Dryburn	10		R	P		Arum maculatum
82	NT 861682	C	Bolton Cross Roads	25		R	P		Pyrola minor
82	NT 864682	C	Bolton Cross Roads	150		R	P		Listera ovata, Dactylorhiza fuchsii, Salix repens, Leontodon hispidus, Silene Silene
MIDLoTHIAN - only first site scheduled, others for investigation									
83	NT 352602	C	Catcune	240	B	P	P		Astragalus cicer, Cardaria draba, Bunias orientalis, Euphorbia uralensis, Vicia tenuifolia
83	NT 375585	A 7				P	P		Galium mollugo
83	NT 460448	B 6362	Stow - Lander			P	P		Vicia orobus
83	NT 353576	C	Middleton	580	E	P	P		Orchids
PERTHSHIRE - all scheduled									
88	NO 152151		Wicks of Gaiglie Road	35	W	P			Sambucus ebulus
88	NO 117165		Pitkeathly Wells	350	W	P			Mentha x scotica
88	NN 969131	B 8062	Pairney Bridge	20	E	P			Orithogalum umbellatum
88	NN 931172	B 8062	Millearn	30	S	P			Geum macrophyllum
									Acer campestre
88	NN 80-22-	A 85	Lawers School of Agriculture	30	N	P			Pentaglottis sempervirens
88	NO 107356		S.W. Kings Myre	10	W	P			Rumex alpinus
88	NO 105358		Drummond Hall	22	W	P			Doronicum paradoxianches
88	NO 049396	A 9(T)	Dalpowie	30	S	P			Allium paradoxum
88	NO 000413	A 822	Rumbling Bridge	110	S	P			Betonica officinalis
88	No 002414	A 822	Rumbling Bridge	10	S	P			Cirsium heterophyllum (album)

1	2	3	4	5	6	7	8	9	10
PERTHSHIRE - contd									
88	NN 992479	B 898	Dalguise	17	W	P			Valeriana pyrenaica
88	NO 059367	A 9(T)	Waterloo	17	W	P			Polygonum bistorta
88	NO 133158		Dron	3000	S	P			Orchis mascula
87	NO 008049	B 934	Myrehaugh	30	W	P			Salix pentandra
88	NN 973520		Logierait	30					Leonurus cardiaca
88	NN 739699	A 9(T)		10					Linaria vulgaris
88	NN 854199		Newbigging	6&36	N	P			Chelidonium majus
87	NN 685979	A 8031	Ballintone Farm	21	S	P			Astrantia major

ROXBURGHSHIRE - sites for investigation

80	NT 542292								Tall herbs, base rich community with: Ononis repens, Sanguisorba officinalis, Geranium pratense, G. sylvaticum, Agrimonia eupatoria <u>et al.</u>
80	NT 541294	A 699							Sanguisorba officinalis
80	NT 505283	A 699							Geranium endressii x versicolor
80	NT 480384	A 7							Potentilla anglica

SELKIRKSHIRE - site for investigation

79	NT 283153	B 709							Polygonum bistorta
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WEST LOTHIAN - scheduled

84	NT 069762	C	The Den	20	P	P			Galeobdolon luteum
84	NT 142754	C	Carlowrie	20	P	P			Coronilla varia, Allium carinatum

Chapter XI

ANALYSIS OF PLANT SPECIES MENTIONED

Table A provides a consolidated list of all the species mentioned in the County schedules. The list of 411 species is largely composed of the less common plants; 243 of them are additional to the standard list of 632 species used on the Road Verges record card (available from Monks Wood). It is likely that further species could be added, particularly as there were fifteen (English and Welsh) counties that either did not have schedules or did not give details, with their schedules, of the plants (or animals) for which conservation arrangements were required.

It is notable that only five grass species (Apera spica-venti, Festuca glauca, Poa bulbosa, Vulpina ambigua and Zerna benekenii) are mentioned. Orchids on the other hand are particularly well represented with Pyramidal, Early Purple and Bee Orchids most frequently identified. Other plants of interest appearing ten or more times include Astragalus glycyphyllos, Dactylorchis fuchsii, Epipactis helleborine, Geranium pratense, Inula helenium, Melampyrum cristatum, Myrrhis odorata, Primula veris, Rubus spp., Sambucus ebulus, Saponaria officinalis and Sedum telephium. However, many of the most interesting plants are recorded only once and this applies especially to the National Rarities. These are species that occur in 15 or fewer ten kilometre squares out of the approximately 3,800 that make up the British Isles. Twenty six of these species occur in the schedules representing 10% of the 257 species listed by the Biological Records Centre. Perring (1969) gave 27 National Rarities occurring on (and sometimes confined to) roadsides; some of his species are not included in the present list, and some given here were not mentioned by him. Fifty four species recorded by the Trusts are aliens, many of them escapes from cultivation, particularly medicinal plants such as Aristolochia clematitis and Asarum europaeum.

Besides individual species many sites have been scheduled as representing particular habitat types of characteristic communities -

Sand meadow flora	1	Shade flora	1
Sand flora	5	Damp wood flora	2
Heathland flora	12	Mixed herbaceous and woody flora	7
Acid flora	1	Woodland flora	6
Boulder clay flora	5	Mixed hedge flora	2
Chalky clay flora	2	Marsh flora	7
Glacial drift acid flora			
on limestone	1	Ditch flora	1

Magnesian limestone flora	5	Meadow flora	3
Limestone flora	3	Mixed flora	33
Mixed chalk flora	30	Spring flora	1
Downland plants	1	Railway flora	1

In Table A, in addition to the National Rarities, a subjective indication of the special interest of particular species is given. There are often plants that, whilst not National Rarities, are generally uncommon, or local in their distribution, or plants (such as Plantago media recorded in Scotland) well outside their natural range (Perring and Walters, 1962). As they are subjective, no doubt these assessments omit some plants that should be included, and include others of less merit.

The details of status, longevity, flowering period and vegetative reproduction are taken from Clapham, Tutin and Warburg (1962). In some instances the period of fruiting is of interest where it is markedly different from that of flowering (eg. Arum maculatum in flower during April and May but not fruiting until July/August) but this extra detail is not given, although it is of conservation importance. Other details that would be of interest include the height of flowering, to give some indication of those plants, particularly plants with spikes of flowers such as Agrimonia eupatoria, where the height of cut of a mowing machine might be set so that not all the flowers and fruits were removed at mowing time. It will be seen that the majority of plants are perennials, as might be expected, and that many have forms of vegetative reproduction that favour their survival and spread even if flowers and fruit are lost by cutting.

TABLE A. SCIENTIFIC AND ENGLISH NAMES OF PLANTS MENTIONED IN THE COUNTY LISTS.

With indication of rarity or interest, status, longevity, flowering period and form of vegetative reproduction.
 X = plants of more than common interest; XX = plants of especial interest but not Nationally Rare; NR = Nationally Rare plants. Species names and details follow Clapham, Tutin and Warburg, 1962; English names from Dony, Rob and Perring, 1974.

Scientific Name	English Name	No. of mentions in schedules	Rarity or interest	Status	Annual Biennial Perennial Mosses/ Ferns	Flowering Period	Vegetative Reproduction
1	2	3	4	5	6	7	8
<i>Acer campestre</i>	Field Maple	2			P	May-Jun	-
<i>Aceras anthropophorum</i>	Man Orchid	4	X		P	Jun-Jul	Root-tuber
<i>Achillea ptarmica</i>	Sneezewort	1			P	Jul-Aug	Stolon
<i>Acinos arvensis</i>	Basil Thyme	3	X		A/B	May-Sept	-
<i>Aconitum</i> sp.		2			-	-	-
<i>Aconitum napellus</i>	Monk's-hood	1			P	May-Jun	Root-tuber
<i>Adoxa moschatellina</i>	Moschatel	3			P	Apr-May	Rhizome
<i>Agrimonia eupatoria</i>	Agrimony	4			P	Jun-Aug	-
<i>Agropyrum caninum</i>	Bearded Couch	1			P	Aug	-
<i>Alchemilla vulgaris</i>	Lady's-mantle	1			P	Jun-Sept	-
<i>Allium carinatum</i>	Keeled Garlic	1	X	Alien	P	Aug	Bulb
<i>Allium paradoxum</i>	Few-flowered Leek	5	XX	Alien	P	Apr-May	Bulb
<i>Allium roseum</i>		1	X	Alien	P	Jun	Bulb
<i>Allium triquetrum</i>	Three-cornered Leek	2	X	Alien	P	Apr-Jun	Bulb
<i>Allium vineale</i>	Wild Onion	1			P	Jun-Jul	Bulb
<i>Alnus glutinosa</i>	Alder	1			P	Feb-Mar	-
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	16			P	Jun-Aug	Rhizome
<i>Anagallis tenella</i>	Bog Pimpernel	1			P	Jun-Aug	
<i>Anemone nemorosa</i>	Wood Anemone	3			P	Mar-May	Rhizome
<i>Antennaria dioica</i>	Mountain Everlasting	1	X		P	Jun-Jul	Stolon
<i>Anthyllis vulneraria</i>	Kidney Vetch	4			P	Jun-Sept	-
<i>Apera spica-venti</i>	Loose Silky-bent	1			A	Jun-Jul	-
<i>Aquilegia vulgaris</i>	Columbine	3			P	May-Jun	-

1	2	3	4	5	6	7	8
<i>Arabidopsis thaliana</i>	Thale Cress	1			A	Apr-May	-
<i>Arctium</i> sp.	Burdocks	1			B	Jul-Sept	-
<i>Aremonia agriminoides</i>		1	X	Alien	P	Jun-Jul	-
<i>Arenaria</i> sp.	Sandworts	1					
<i>Aristolochia clematitis</i>	Birthwort	2	XX	Alien	P	Jun-Sept	Rhizome
<i>Artemesia absinthium</i>	Wormwood	1			P	Jul-Aug	-
<i>Artemesia campestris</i>	Field Wormwood	1	NR		P	Aug-Sept	Creeping stock
<i>Arum italicum</i>	Italian Lords-and-Ladies		X		P	Apr-May	Tuber
<i>Arum maculatum</i>	Lords-and-Ladies	3			P	Apr-May	Tuber
<i>Arum neglectum</i>		2	X	Alien	P	Apr-May	Tuber
<i>Arum neglectum</i> ssp. <i>italicum</i>		3		Alien			
<i>Asarum europaeum</i>	Asarabacca	1	XX	Alien	P	May-Aug	Rhizome
<i>Asperula cynanchica</i>	Squinancywort	1	X		P	Jun-Jul	-
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	2			Fern P		Rhizome
<i>Astragalus cicer</i>		1		Alien			
<i>Astragalus danicus</i>	Purple Milk-vetch	5			P	May-Jul	-
<i>Astragalus glycyphyllos</i>	Wild Liquorice	11			P	Jul-Aug	-
<i>Astrantia major</i>	Astrantia	1	XX		P	May-Jul	-
<i>Atropa belladonna</i>	Deadly Nightshade	1	X		P	Jun-Aug	-
<i>Beta trigyna</i>		1		Alien	A/P		
<i>Betonica officinalis</i>	Betony	5			P	Jun-Sept	Rhizome
<i>Blackstonia perfoliata</i>	Yellow-wort	9	X		A	Jun-Oct	-
<i>Botrychium lunaria</i>	Moonwort	2	X		Fern P		-
<i>Brachypodium pinnatum</i>	Tor-grass	2			P	Jul	Rhizome
<i>Brassica oleracea</i>	Wild Cabbage	1			A/short-lived P	May-Aug	-
<i>Bromus erectus</i>	Upright Brome	1			P	Jun-Jul	-
<i>Bunias orientalis</i>	Warty Cabbage	1	X	Alien	B/P	May-Aug	-
<i>Calamagrostis epigejos</i>	Wood Small-reed	3	X		P	Jul-Aug	Rhizome
<i>Calamintha ascendens</i>	Common Calamint	4			P	Jul-Sept	Rhizome
<i>Calamintha nepeta</i>	Lesser Calamint	1	X		P	Jul-Sept	Rhizome
<i>Calamintha sylvatica</i>	Wood Calamint	1	NR		P	Aug-Sept	Rhizome
<i>Culluna vulgaris</i>	Heather	3			P	Jul-Sept	-
<i>Caltha palustris</i>	Marsh-marigold	2			P	Mar-Jul	Rhizome
<i>Calystegia pulchra</i>	Hairy Bindweed	1	X	Alien	P	Jul-Sept	Rhizome

1	2	3	4	5	6	7	8
Campanula sp.	Bellflowers	2					
Campanula glomerata	Clustered Bellflower	8	X		P	May-Sept	-
Campanula latifolia	Giant Bellflower	3	X		P	Jul-Aug	-
Campanula rapunculoides	Creeping Bellflower	2	X		P	Jul-Sept	-
Campanula rapunculus	Rampion Bellflower	2	X		B	Jul-Aug	-
Campanula rotundifolia	Harebell	2			P	Jul-Sept	Stolon
Campanula trachelium	Nettle-leaved Bellflower	4	X		P	Jul-Sept	-
Capsella rubella		1	XX	Alien			
Cardamine amara	Large Bitter-cress	1	X		P	Apr-Jun	Stolon
Cardamine bulbifera = Dentaria bulbifera	Coralroot	3	XX		P	Apr-Jun	Rhizome/bulbils
Cardamine hirsuta	Hairy Bitter-cress	1			A	Apr-May	-
Cardamine pratensis	Cuckooflower	3			P	Apr-Jun	Stolon
Cardaria draba	Hoary Cress	2			P	May-Jun	Stolon
Carex sp.	Sedges	1					
Carex arenaria	Sand Sedge	1			P	Jun-Jul	Rhizome
Carex filiformis	Downy-fruited Sedge	1	NR		P	May-Jun	-
Carex montana	Soft-leaved Sedge	1	NR		P	May	Tufted, shortly creeping
Carex muricata	Prickly Sedge	1	X		P	Jun-Jul	Tussock
Carex otrubae	False Fox-sedge	1			P	Jun-Jul	Rhizome
Carex spicata	Spiked Sedge	1	X		P	(Fruit) Jul-Aug	Rhizome
Carex vulpina	True Fox-sedge	4	XX		P	May-Jun	Tufted
Carlina vulgaris	Carlina Thistle	1			B	Jul-Oct	-
Centaurea scabiosa	Greater Knapweed	2			P	Jul-Sept	-
Centaureum erythraea	Common Centaury	1			A	Jun-Oct	-
Cephalanthera longifolia	Narrow-leaved Helleborine	1	XX		P	May-Jul	Rhizome
Cerastium arvense	Field Mouse-ear	2			P	Apr-Aug	Suckers
Caterach officinarum	Rustyback	2			Fern P		Rhizome
Chelidonium majus	Greater Celandine	1			P	May-Aug	-
Chenopodium bonus-henricus	Good-King-Henry	1			P	May-Jul	-
Chrysanthemum leucanthemum	Oxeye Daisy	1			P	Jun-Aug	-

1	2	3	4	5	6	7	8
Chrysanthemum segetum	Corn Marigold	1	X		A	Jun-Aug	-
Chrysosplenium oppositifolium	Opposite-leaved Golden Saxifrage	1			P	Apr-Jul	-
Cicerbita macrophylla	Blue Sow-thistle	3	X	Alien	P	Jul-Sept	Rhizome
Cicerbita plumieri		1	X	Alien	P		
Cichorium intybus	Chicory	5	X		P	Jul-Oct	-
Cirsium eriophorum	Woolly Thistle	4	X		B	Jul-Sept	-
Cirsium heterophyllum	Melancholy Thistle	4	X		P	Jul-Aug	Stolon
Claytonia perfoliata			X		see under Montia perfoliata		
Clematis vitalba var. timbali	Traveller's-joy	1			P	Jul-Aug	-
Clinopodium vulgare	Wild Basil	2			P	Jul-Sept	Rhizome
Coeloglossum viride	Frog Orchid	3	X		P	Jun-Aug	Tuber
Colchicum autumnale	Meadow Saffron	3	XX		P	Aug-Oct	Bulb
Conium maculatum	Hemlock	1			B	Jun-Jul	-
Conopodium majus	Pignut	1			P	May-Jun	Bulb
Convallaria majalis	Lily-of-the-valley	2			P	May-Jun	Rhizome
Coronilla varia	Crown Vetch	2	X	Alien	P	Jun	-
Corydalis solida		1	X	Alien	P	Apr-May	Tuber
Crepis biennis	Rough Hawk's-beard	2			B	Jun-Jul	-
Crithmum maritimum	Rock Samphire	1	X		P	Jun-Aug	-
Cuscuta europaea	Greater Dodder	1	X		Parasite		-
Dactylorchis sp.	Orchids	5			P	May-Jul	-
Dactylorchis fuchsii	Common Spotted-orchid	10			P	May-Jul	-
Dactylorchis incarnata	Early Marsh-orchid	1			P	May-Jul	Root-tuber
Dactylorchis maculata	Heath Spotted-orchid	1			P	Jun-Aug	Rhizome
Daphne laureola	Spurge-laurel	4	X		P	Feb-Apr	-
Deschampsia flexuosa	Wavy Hair-grass	1			P	Jun-Jul	Rhizome
Dianthus armeria	Deptford Pink	1	XX		A/B	Jul-Aug	-
Dianthus deltoides	Maiden Pink	3	X		P	Jun-Sept	-
Dianthus plumarius	Pink	1		Alien	P	Jun-Aug	Tufted
Digitalis purpurea	Foxglove	1			B	Jun-Sept	-
Dipsacus fullonum	Teasel	2			B	Jul-Aug	-
Doronicum pardalianches	Leopard's-bane	3	X	Alien	P	May-Jul	Stolon
Dryopteris borreeri	Scaly Male-fern	1			Fern P		Rhizome

1	2	3	4	5	6	7	8
Echium vulgare	Viper's-bugloss	5			B	Jun-Sept	-
Endymion non-scriptus	Bluebell	5			P	Apr-Jun	Bulb
Epipactis atrorubens	Dark-red Helleborine	1	XX		P	Jun-Jul	-
Epipactis helleborine	Broad-leaved Helleborine	11			P	Jul-Oct	Rhizome
Epipactis leptochila	Narrow-lipped Helleborine	1	X		P	Jun-Aug	Rhizome
Epipactis phyllanthes	Green-flowered Helleborine	5	X		P	Jul-Sept	Rhizome
Epipactis purpurata	Violet Helleborine	4	X		P	Aug-Sept	Rhizome
Epipogonium aphyllum	Ghost Orchid	1	NR		P	Jun-Aug	Rhizome
Equisetum telmateia	Great Horsetail	1	X		P	Apr	Rhizome
Ericaceae		1					
Erica ciliaris	Dorset Heath	2	NR		P	Jun-Sept	-
Erica vagans	Cornish Heath	1	NR		P	Jul-Aug	-
Erigeron acer	Blue Fleabane	3	X		A/B	Jul-Aug	-
Eupatorium cannabinum	Hemp-agrimony	2			P	Jul-Sept	Rhizome
Euphorbia amygdaloides	Wood Spurge	3			P	Mar-May	-
Euphorbia cyparissias	Cypress Spurge	1			P	May-Aug	Rhizome
Euphorbia uralensis - Euphorbia virgata	Twiggy Spurge	2	X		P	May-Jul	Rhizome
Falcaria vulgaris	Longleaf	1	X	Alien	P	Jul	
Festuca glauca	Blue Fescue	1	X	? Alien	P	Jun-Jul	
Filipendula ulmaria	Meadowsweet	1			P	Jun-Sept	Rhizome
Filipendula vulgaris	Dropwort	1			P	May-Aug	Rhizome
Frangula alnus	Alder Buckthorn	1			P	May-Jun	-
Fumaria sp.	Fumitory	1			A	May-Oct	-
Fumaria occidentalis		1	NR		A	May-Oct	-
Gagea lutea	Yellow Star-of-Bethlehem	1	X		P	Mar-May	Bulb
Galanthus nivalis	Snowdrop	2			P	Jan-Mar	Bulb
Galega officinalis	Goat's-rue	1		Alien	P	Jun-Jul	-
Galeobdolon luteum	Yellow Archangel	6			P	May-Jun	Stolon
Galeopsis tetrahit	Common Hemp-nettle	1			A	Jul-Sept	-
Galium boreale	Northern Bedstraw	1			P	Jul-Aug	-
Galium mollugo	Hedge Bedstraw	1			P	Jun-(Sept)	-
Galium odoratum	Woodruff	1	X		P	May-Jun	Rhizome
Galium palustre	Common Marsh-bedstraw	1			P	Jun-Jul	Stolon

1	2	3	4	5	6	7	8
Genista sp.		1			P		-
Genista anglica	Petty Whin	1	X		P	May-Jun	-
Genista tinctoria	Dyer's Greenweed	9	X		P	Jul-Sept	-
Gentianella amarella	Autumn Gentian	3			B	Aug-Sept	-
Gentianella campestris	Field Gentian	2	X		A/B	Jul-Oct	-
Geranium sp.		1					
Geranium endressii	French Crane's-bill	3	X	Alien	P	Jun-Jul	Rhizome
Geranium endressii x versicolor		1	X	Alien			
Geranium lucidum	Shining Crane's-bill	6			A	May-Aug	-
Geranium phaeum	Dusky Crane's-bill	9	X	Alien	P	May-Jun	Rhizome
Geranium pratense	Meadow Crane's-bill	25			P	Jun-Sept	Rhizome
Geranium pyrenaicum	Hedgerow Crane's-bill	9	X		P	Jun-Aug	-
Geranium sanguineum	Bloody Crane's-bill	2			P	Jul-Aug	Rhizome
Geranium sylvaticum	Wood Crane's-bill	5	X		P	Jun-Aug	Rhizome
Geranium versicolor	Pencilled Crane's-bill	4	X		P	May-Sept	Rhizome
Geum macrophyllum		1	X	Alien	P	May-Sept	Rhizome
Geum rivale	Water Avens	2			P	May-Sept	Rhizome
Glaucium flavum	Yellow Horned-poppy	1	X		B/P	Jun-Sept	-
Gymnadenia conopsea	Fragrant Orchid	9			P	Jun-Aug	Bulb
Helianthemum chamaecistus	Common Rock-rose	6			P	Jun-Sept	-
Helleborus viridis	Green Hellebore	5	X		P	Mar-Apr	-
Heracleum mantegazzianum	Giant Hogweed	1	X	Alien	P	Jun-Jul	-
Herminium monorchis	Musk Orchid	1	X		P	Jun-Jul	Root tuber with stolens
Herniaria glabra	Smooth Rupturewort	2	NR		A/P	Jul	-
Hesperis matronalis	Dame's-violet	1	X	Alien	B/P	May-Jul	-
Hieracium sp.	Hawkweeds	3			P	Jun-Oct	-
Hieracium exotericum		1	X		P	Jun-Aug	-
Hieracium umbellatum		1	X		P		-
Hippocrepis comosa	Horseshoe Vetch	2	X		P	May-Jul	-
Hottonia palustris	Water-violet	1	X		P	May-Jun	-
Hydrocharis morsus-ranae	Frogbit	1	X		P	Jul-Aug	Stolons/Turions
Hyoscyamus niger	Henbane	1	X		A/B	Jun-Aug	-
Hypericum sp.		1			P		

1	2	3	4	5	6	7	8
<i>Hypericum androsaemum</i>	Tutsan	1			P	Jun-Aug	-
<i>Hypericum linarifolium</i>	Flax-leaved St.John's-wort	1	NR		P	Jun-Jul	-
<i>Hypericum maculatum</i>	Imperforate St.John's-wort	1	X		P	Jun-Aug	Rhizome
<i>Hypericum montanum</i>	Pale St.John's-wort	1			P	Jun-Aug	-
<i>Hypericum pulchrum</i>	Slender St.John's-wort	1			P	Jun-Aug	-
<i>Hypochoeris maculata</i>	Spotted Cat's-ear	1	NR		P	Jun-Aug	-
<i>Inula conyza</i>	Ploughman's-spikenard	2	X		B	Jul-Sept	-
<i>Inula helenium</i>	Elecampane	11	X	Alien	P	Jul-Aug	-
<i>Iris foetidissima</i>	Stinking Iris	1			P	May-Jul	Rhizome
<i>Iris pseudacorus</i>	Yellow Iris	3			P	May-Jul	Rhizome
<i>Jasione montana</i>	Sheep's-bit	5			B	May-Aug	-
<i>Juniperus communis</i>	Juniper	3	X		P	May-Jun	-
<i>Knautia arvensis</i>	Field Scabious	1			P	Jul-Sept	-
<i>Lactuca virosa</i>	Great Lettuce	1	X		A/B	Jul-Sept	-
<i>Lathraea clandestina</i>	Purple Toothwort	1	X		P	Apr-May	-
<i>Lathyrus aphaca</i>	Yellow Vetchling	5	XX		A	Jun-Aug	-
<i>Lathyrus montanus</i>	Bitter Vetch	1	X		P	Apr-Jul	Rhizome
<i>Lathyrus nissolia</i>	Great Vetchling	7	X		A	May-Jul	-
<i>Lathyrus sylvestris</i>	Narrow-leaved Everlasting-pea	4			P	Jun-Aug	-
<i>Lathyrus tuberosus</i>	Tuberous Pea	1	X	Alien	P	Jul	-
<i>Leontodon hispidus</i>	Rough Hawkbit	1			P	Jun-Sept	-
<i>Leonurus cardiaca</i>	Motherwort	1	X	Alien	P	Jul-Sept	Rhizome
<i>Linaria repens</i>	Pale Toadflax	3			P	Jun-Sept	Rhizome
<i>Linaria vulgaris</i>	Common Toadflax	2			P	Jul-Oct	Rhizome
<i>Linum anglicum</i>	Perennial Flax	5	NR		P	Jun-Jul	-
<i>Linum bienne</i>	Pale Flax	3	X		A/P	May-Sept	-
<i>Listera ovata</i>	Common Twayblade	9			P	Jun-Jul	Rhizome
<i>Lonicera xylosteum</i>	Fly Honeysuckle	1	NR		P	May-Jun	-
<i>Lotus tenuis</i>	Narrow-leaved Bird's-foot-trefoil	2			P	Jun-Sept	-
<i>Lunularia cruciata</i>		1	X	Alien	Liverwort		
<i>Luzula x borrieri</i>		1	X				
<i>Luzula forsteri</i>	Southern Wood-rush	1	X		P	Apr-Jun	Tussock
<i>Luzula pilosa</i>	Hairy Wood-rush	1			P	Apr-Jun	Stolon
<i>Lychnis flos-cuculi</i>	Ragged-Robin	3			P	May-Jun	-

1	2	3	4	5	6	7	8
Lycopodium clavatum	Stag's-horn Clubmoss	1			Clubmoss		
Lysimachia nummularia	Creeping-Jenny	1			P	Jun-Aug	Stolon
Malva moschata	Musk Mallow	2			P	Jul-Aug	-
Malva neglecta	Dwarf Mallow	1	X		A	Jun-Sept	-
Malva sylvestris	Common Mallow	1			P	Jun-Sept	-
Matthiola incana	Hoary Stock	1	NR		A/P	May-Jul	-
Medicago falcata	Sickle Medick	1	X		P	Jun-Jul	-
Medicago minima	Bur Medick	2	X		A	May-Jul	-
Medicago sativa	Lucerne	1			P	Jun-Jul	-
Melampyrum arvense	Field Cow-wheat	3	NR		A	Jun-Sept	-
Melampyrum cristatum	Crested Cow-wheat	10	X		A	Jun-Sept	-
Melampyrum pratense	Common Cow-wheat	1	X		A	May-Oct	-
Melica uniflora	Wood Melick	2			P	May-Jun	Rhizome
Melilotus sp.	Melilot	2					
Melilotus alba	White Melilot	1			A/B	Jul-Aug	-
Melittis melissophyllum	Bastard Balm	4	X		P	May-Jul	-
Mentha arvensis	Corn Mint	3			P	May-Oct	Rhizome
Mentha rotundifolia	Round-leaved Mint	2			P	Aug-Sept	Stolon
Mercurialis perennis	Dog's Mercury	1			P	Feb-Apr	Rhizome
Monotropa hypopitys	Yellow Bird's-nest	1	X		P	May-Aug	-
Montia perfoliata	Springbeauty	2			A	May-Jul	-
Muscari atlanticum	Grape Hyacinth	3	NR		P	Apr-May	Bulb
Myosotis discolor	Changing Forget-me-not	1	X		A	May-Sept	-
Myosotis ramosissima	Early Forget-me-not	1	X		A	Apr-Jun	-
Myosurus minimus	Mousetail	1	XX		A	Jun-Jul	-
Myrica gale	Bog Myrtle	1	X		P	Apr-May	Suckers
Myrrhis odorata	Sweet Cicely	10	X		P	May-Jun	-
Neottia nidus-avis	Bird's-nest Orchid	1	X		P	Jun-Jul	Rhizome
Nepeta cataria	Cat-mint	1			P	Jul-Sept	-
Onobrychis viciifolia	Sainfoin	4			P	Jun-Aug	-
Ononis repens	Common Restharrow	4			P	Jun-Sept	Rhizome
Ononis spinosa	Spiny Restharrow	4	X		P	Jun-Sept	-
Ophioglossum vulgatum	Adder's-tongue	2	X		Fern P		Rhizome
Ophrys apifera	Bee Orchid	16	X		P	Jun-Jul	Bulb
Orchidaceae	Orchids	17					
Orchis mascula	Early-purple Orchid	11			P	Apr-Jun	Bulb

Alien

1	2	3	4	5	6	7	8
Orchis morio	Green-winged Orchid	3	XX		P	Apr-Jun	Bulb
Ornithogalum nutans	Drooping Star-of-Bethlehem	2	X	Alien	P	Apr-May	Bulb
Ornithogalum pyrenaicum	Spiked Star-of-Bethlehem	4	X		P	Jun-Jul	Bulb
Ornithogalum umbellatum	Star-of-Bethlehem	5	X		P	Apr-Jun	Bulb
Orobanche sp.	Broomrapes	2					
Orobanche caryophyllacea	Bedstraw Broomrape	1	NR			Jun-Jul	-
Orobanche elatior	Knapweed Broomrape	8	X		P	Jun-Jul	-
Orobanche minor	Common Broomrape	1	X		P	Jun-Sept	-
Osmunda regalis	Royal Fern	1	X		Fern P		
Papaver lecoqii	Yellow-juiced Poppy	1	X		A	Jun-Jul	-
Parnassia palustris	Grass-of-Parnassus	3			P	Jul-Oct	Tufted
Pentaglottis sempervirens	Green Alkanet	4		Alien	P	May-Jun	-
Petasites albus	White Butterbur	1	X	Alien	P	Mar-May	Rhizome
Petasites fragrans	Winter Heliotrope	1		Alien	P	Jan-Mar	Rhizome
Petasites hybridus	Butterbur	1			P	Mar-May	Rhizome
Physospermum cornubiense	Bladderseed	1	XX		P	Jul-Aug	-
Phyteuma spicatum	Spiked Rampion	6	NR		P	Jul-Aug	-
Phyteuma tenerum	Round-headed Rampion	1	X		A/B	Jul-Sept	-
Picris hieracioides	Hawkweed Oxtongue	1			B/P	Jul-Sept	-
Pilosella aurantiaca - Hieracium pilosella	Mouse-ear Hawkweed	1	X		P	May-Aug	Rhizome
Pimpinella major	Greater Burnet-saxifrage	4			P	Jun-Jul	-
Pimpinella saxifraga	Burnet-saxifrage	2			P	Jul-Aug	-
Pinguicula vulgaris	Common Butterwort	1	X		P	May-Jul	-
Plantago media	Hoary Plantain	1	X		P	May-Aug	-
Platanthera chlorantha	Greater Butterfly-orchid	7	X		P	May-Jul	Root tubers
Poa bulbosa	Bulbous Meadow-grass	1	X		P	Apr-May	Tufted
Polygala calcarea	Chalk Milkwort	1	X		P	May-Jul	-
Polygala vulgaris	Common Milkwort	1			P	May-Sept	-
Polygonatum multiflorum	Solomon's-seal	4	X		P	May-Jun	Rhizome
Polygonatum odoratum	Angular Solomon's-seal	1	X		P	Jun-Jul	Rhizome
Polygonum bistorta	Common Bistort	7			P	Jun-Aug	Rhizome
Polygonum dumetorum	Copse-bindweed	4	X		A	Jul-Sept	-
Polypodium australe		1			Fern P		
Polypodium vulgare	Polypody	1			Fern P		Rhizome

1	2	3	4	5	6	7	8
Polystichum lobatum = Polystichum aculeatum	Hard Shield-fern	1			Fern P		
Potentilla anglica	Trailing Tormentil	1	X		P	Jun-Sept	Stolon
Potentilla argentea	Hoary Cinquefoil	4	X		P	Jun-Sept	-
Potentilla palustris	Marsh Cinquefoil	1			P	May-Jul	Rhizome
Potentilla recta	Sulphur Cinquefoil	1	X	Alien	P	Jun-Jul	-
Potentilla tabernaemontani	Spring Cinquefoil	2	X		P	Apr-Jun	Stolon
Primula sp.		2					
Primula elatior	Oxlip	1	X		P	Apr-May	Rhizome
Primula farinosa	Bird's-eye Primrose	2	XX		P	May-Jun	-
Primula veris	Cowslip	11			P	Apr-May	Rhizome
Primula vulgaris	Primrose	5			P	Dec-May	Rhizome
Prunella laciniata	Cut-leaved Selfheal	1	XX	Alien	P	Jun-Sept	Rhizome
Pulicaria dysenterica	Common Fleabane	2			P	Aug-Sept	Stolon
Pulicaria vulgaris	Small Fleabane	1	NR		A	Aug-Sept	-
Pulmonaria longifolia	Narrow-leaved Lungwort	1	XX		P	Apr-May	Rhizome
Pulmonaria officinalis	Lungwort	1	X	Alien	P	Mar-May	-
Pyrola minor	Common Wintergreen	2	X		P	Jun-Aug	Rhizome
Pyrola rotundifolia	Round-leaved Wintergreen	1	X		P	Jul-Sept	Rhizome
Pyrus communis	Wild Pear	1			P	Apr-May	-
Ranunculus auricomus	Goldilocks Buttercup	8	X		P	Mar-May	-
Ranunculus ficaria	Lesser Celandine	1			P	Mar-May	Bulb
Ranunculus ophioglossifolius	Adder's-tongue Spearwort	1	NR		A	Jun-Jul	-
Reseda lutea	Wild Mignonette	2			P	Jun-Aug	-
Rhinanthus minor	Yellow Rattle	5			A	May-Aug	-
Rosa sp.		4			P	Jun-Jul	Sucker
Rosa arvensis	Field Rose	1			P	Jun-Jul	Sucker
Rosa micrantha		1			P	Jun-Jul	Sucker
Rosa pimpinellifolia x mollis		1			P	May-Jul	Sucker
Rubia peregrina	Wild Madder	2	X		P	Jun-Aug	Creeping stock
Rubus spp.		22					
Rumex alpinus	Monk's-rhubarb	2	X	Alien	P	Jul	Rhizome

1	2	3	4	5	6	7	8
Rumex pulcher	Fiddle Dock	1			P	Jun-Jul	-
Salix pentandra	Bay Willow	1			P	May-Jun	-
Salix repens	Creeping Willow	1			P	Apr-May	Rhizome
Salvia horminoides	Wild Clary	4	X		P	May-Aug	-
Salvia pratensis	Meadow Clary	2	NR		P	Jun-Jul	-
Sambucus ebulus	Dwarf Elder	15	X		P	Jul-Aug	Rhizome
Sanguisorba officinalis	Great Burnet	3	X		P	Jun-Sept	-
Sanicula europaea	Sanicle	1			P	May-Sept	-
Saponaria officinalis	Soapwort	10	X	Alien	P	Jul-Sept	Rhizome
Sarothamnus scoparius	Broom	1			P	May-Jun	-
Saxifraga granulata	Meadow Saxifrage	3	X		P	Apr-Jun	Bulb
Saxifraga tridactylites	Rue-leaved Saxifrage	1			A	Apr-Jun	-
Scabiosa columbaria	Small Scabious	3			P	Jul-Aug	-
Scandix pectens-veneris	Shepherd's-needle	1	X		A	Apr-Jul	-
Schoenus nigricans	Black Bog-rush	1			P	May-Jun	Tussock
Scrophularia umbrosa	Green Figwort	1	XX		P	Jul-Sept	Rhizome
Scutellaria galericulata	Skullcap	1			P	Jun-Sept	Rhizome
Scutellaria minor	Lesser Skullcap	1			P	Jul-Oct	Rhizome
Sedum telephium	Orpine	10	X		P	Jul-Sept	-
Senecio erucifolius	Hoary Ragwort	1			P	Jul-Aug	Stolon
Senecio integrifolius	Field Fleawort	1	X		P	Jun-Jul	-
Serratula tinctoria	Saw-wort	2	X		P	Jul-Sept	-
Sibthorpia europaea	Cornish Moneywort	1	XX		P	Jul-Oct	-
Silaum silaus	Pepper-saxifrage	1			P	Jun-Aug	-
Silene conica	Sand Catchfly	3	X		A	May-Jun	-
Silene dioica	Red Campion	4			B	May-Jun	-
Silene nutans	Nottingham Catchfly	1	X		P	May-Jul	-
Silene otites	Spanish Catchfly	4	NR		P	Jun	-
Silybum marianum	Milk Thistle	1	X	Alien	A/B	Jun-Aug	-
Sison amomum	Stone Parsley	2	X		B	Jul-Sept	-
Smyrniolum olusatrum	Alexanders	3	X		B	Apr-Jun	-
Solidago virgaurea	Goldenrod	4	X		P	Jul-Sept	-
Sonchus palustris	Marsh Sow-thistle	1	X		P	Jun-Sept	Tuberous
Spiranthes spiralis	Autumn Lady's-tresses	1	X		P	Aug-Sept	Tuberous

1	2	3	4	5	6	7	8
Stachys alpina	Limestone Woundwort	1	NR		P	Jun-Aug	-
Stachys palustris x sylvestris = ambigua		1			P	Jul-Aug	Rhizome
Stellaria neglecta	Greater Chickweed	2	XX	A/short- lived P		Apr-Jul	-
Symphytum sp.	Comfrey	2					
Symphytum asperum	Rough Comfrey	1	X	Alien	P	Jun-Jul	-
Symphytum officinalis	Common Comfrey	3			P	May-Jun	-
Symphytum orientale	White Comfrey	1	X	Alien	P	Apr-May	
Symphytum x uplandicum	Russian Comfrey	4	X	Alien	P	Jun-Aug	
Tanacetum vulgare = Chrysanthemum vulgare	Tansy	1			P	Jul-Sept	Stolon
Targionia hypophylla		1			Moss	-	-
Teesdalia nudicaulis	Shepherd's Cress	3	X		A	Apr-Jun	-
Tetragonolobus maritimus	Dragon's-teeth	1	NR	Alien	P		
Teucrium scorodonia	Wood Sage	1			P	Jul-Sept	Rhizome
Thalictrum flavum	Common Meadow-rue	1			P	Jul-Aug	Rhizome
Thalictrum minus	Lesser Meadow-rue	1			P	Jun-Aug	Rhizome
Thesium humifusum	Bastard-toadflax	3	X		P	Jun-Aug	-
Thymus sp.	Thyme	5					
Tragopogon porrifolius	Salsify	2	X	Alien	A/B	Jun-Aug	-
Tragopogon pratensis	Goat's-beard	1			B	May-Jul	-
Trifolium arvense	Hare's-foot Clover	2			A	Jun-Sept	-
Trifolium medium	Zigzag Clover	1			P	Jun-Sept	Rhizome
Trifolium ochroleucon	Sulphur Clover	7	X		P	Jun-Jul	-
Trifolium striatum	Knotted Clover	2	X		A	May-Jul	-
Tritomaria exsectiformis		1			Moss		
Tulipa sylvestris	Wild Tulip	1	X	Alien	P	Apr-May	Bulb
Turritis glabra	Tower Mustard	4	X		A/B	May-Jul	-
Tussilago farfara	Colt's-foot	1			P	Mar-Apr	Rhizome
Ulex sp.	Gorses	1					

1	2	3	4	5	6	7	8
<i>Ulex europaeus</i>	Gorse	1			P	Mar-Jun	-
<i>Umbilicus rupestris</i>	Navelwort	3			P	Jun-Sept	Bulb
<i>Vaccinium myrtillus</i>	Bilberry	1			P	Apr-Jun	Rhizome
<i>Valeriana officinalis</i>	Common Valerian	1			P	Jun-Aug	Stolon
<i>Valeriana pyrenaica</i>	Pyrenean Valerian	1	X	Alien	P	Jun-Jul	Stolon
<i>Verbascum lychnites</i>	White Mullein	1	X		B	Jul-Aug	-
<i>Verbascum nigrum</i>	Dark Mullein	4			B	Jun-Oct	-
<i>Verbascum virgatum</i>	Twiggy Mullein	1	NR		B	Jun-Aug	-
<i>Veronica crista-galli</i>		1	X	Alien	A		
<i>Viburnum opulus</i>	Guelder-rose	1			P	Jun-Jul	-
<i>Vicia sp.</i>	Vetches	1					
<i>Vicia bithynica</i>	Bithynian Vetch	1	X		P	May-Jun	Tufted
<i>Vicia lathyroides</i>	Spring Vetch	2	X		A	May-Jun	-
<i>Vicia lutea</i>	Yellow Vetch	2	NR		A	Jun-Aug	Tufted
<i>Vicia orobus</i>	Wood Bitter-vetch	2	X		P	Jun-Sept	-
<i>Vicia sylvatica</i>	Wood Vetch	1	X		P	Jun-Aug	-
<i>Vicia tenuifolia</i>	Fine-leaved Vetch	1		Alien	P	Jun-Aug	-
<i>Vinca minor</i>	Lesser Periwinkle	1		Alien	P	Mar-May	-
<i>Viola sp.</i>		4					
<i>Viola hirta</i>	Hairy Violet	2			P	Apr	Rhizome
<i>Viola lactea</i>	Pale Dog-violet	1	XX		P	May-Jun	-
<i>Viola lutea</i>	Mountain Pansy	1	X		P	May-Aug	Rhizome
<i>Viola odorata</i>	Sweet Violet	7	X		P	Feb-Apr	Rhizome
<i>Viola palustris</i>	Marsh Violet	1			P	Apr-Jul	Rhizome
<i>Viola reichenbachiana</i>	Early Dog-violet	1			P	Mar-May	(Root buds)
<i>Vulpina ambigua</i>	Bearded Fescue	1	X		A	May-Jun	-
<i>Zerna benekenii</i>	Lesser Hairy-brome	1	X		P	Jul-Aug	-

Acknowledgements

I should like to thank very much all those people in County Council Highway Departments, the Naturalists' Trusts and the Regions of the Nature Conservancy Council who have helped in the production of this report. So many have been badgered by post by me from time to time that it is a pleasure now to have an opportunity to thank them for their patience and interest. I am indebted to Dr. F. Perring and the Biological Records Centre at Monks Wood for their help and for the use of the 1969 data collected by them. I should also like to thank Mrs Margaret Haas and Mrs Barbara Stocker for their ready assistance in the considerable job of producing the original typescript.

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ADDITIONAL FOR CHAPTER X1

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Biological Records Centre proposed layout for 80 column, 12 heading recording system for roadside verge sites of conservation importance notified to Highway Departments by Naturalists' Trusts.

	Admin. County	Site	N Trust	8-figure map reference	Road class	Locality	Length of road	Side	P(est) or marker	Interest	Species/habitat class	Management
Heading number -	1	2	3	4	5	6	7	8	9	10	11	12
Number of Columns available -	2	3	2	8	5	20	4	2	1	2	26	5

= 80

HeadingNotes

- 1 Administrative County see page A2 for identifying code numbers
- 2 Site refers to above. Up to 999 sites
- 3 Naturalists' Trust see page A3 for identifying code numbers
- 4 8-figure map reference 6 figures preceded by 100 km letters (pate A4). Reference given to centre of section
- 5 Road classification Road number and classification, eg. B 1040. U = Unclassified road and unmade roads, includes Green Lanes
- 6 Locality Nearest Place name on O.S. map. Likely to be abbreviated in print-out.
- 7 Length of road In metres to nearest metre, 10 metres or 100 metres as appropriate. The length is the length of road and not necessarily of verge (to prevent confusion when verges on both sides of a road are scheduled).
- 8 Side of road N, NE, E, SE, S, SW, W, NW, N or B for both sides.
- 9 Whether site is marked Enter P if site is marked on the ground with posts, pegs, etc.
- 10 Interest Enter V for vegetation, A for animals or AV if both
- 11 Species/habitat character Name of species of particular importance and/or general character of habitat using SPNR Habitat Classification scheme (see page A5. Species names may be abbreviated in print-out)
- 12 Management X = No agreement, P = management to Trust prescription, O = no management.
4-9 = cutting in the month of (eg. 4 = April), 1 = cutting in winter October - March.
= after, = before. (5 columns available). Thus - P 5 8 = Trust prescription, manage before May and after August.

Appendix A2

Code numbers for post-April 1974 identification of Administrative Counties

England

1	Avon
2	Bedfordshire
3	Berkshire
4	Buckinghamshire
5	Cambridgeshire
6	Cheshire
7	Cleveland
8	Cornwall
9	Cumbria
10	Derbyshire
11	Devon
12	Dorset
13	Durham
14	Essex
15	Gloucestershire
16	Hampshire
17	Hereford & Worcester
18	Hertfordshire
19	Humberside
20	Isle of Wight
21	Kent
22	Lancashire
23	Leicestershire
24	Lincolnshire
25	London - Greater
26	Manchester - Greater
27	Merseyside
28	Midlands - West

29	Norfolk
30	Northamptonshire
31	Northumberland
32	Nottinghamshire
33	Oxfordshire
34	Salop
35	Somerset
36	Staffordshire
37	Suffolk
38	Surrey
39	Sussex - East
40	Sussex - West
41	Tyne and Wear
42	Warwickshire
43	Yorkshire - North
44	Yorkshire - South
45	Yorkshire - West
46	Wiltshire

Wales

50	Clwyd
51	Dyfed
52	Glamorgan - Mid
53	Glamorgan - South
54	Glamorgan - West
55	Gwent
56	Gwynedd
57	Powys

Code numbers for identification of individual Naturalists' Trusts

England

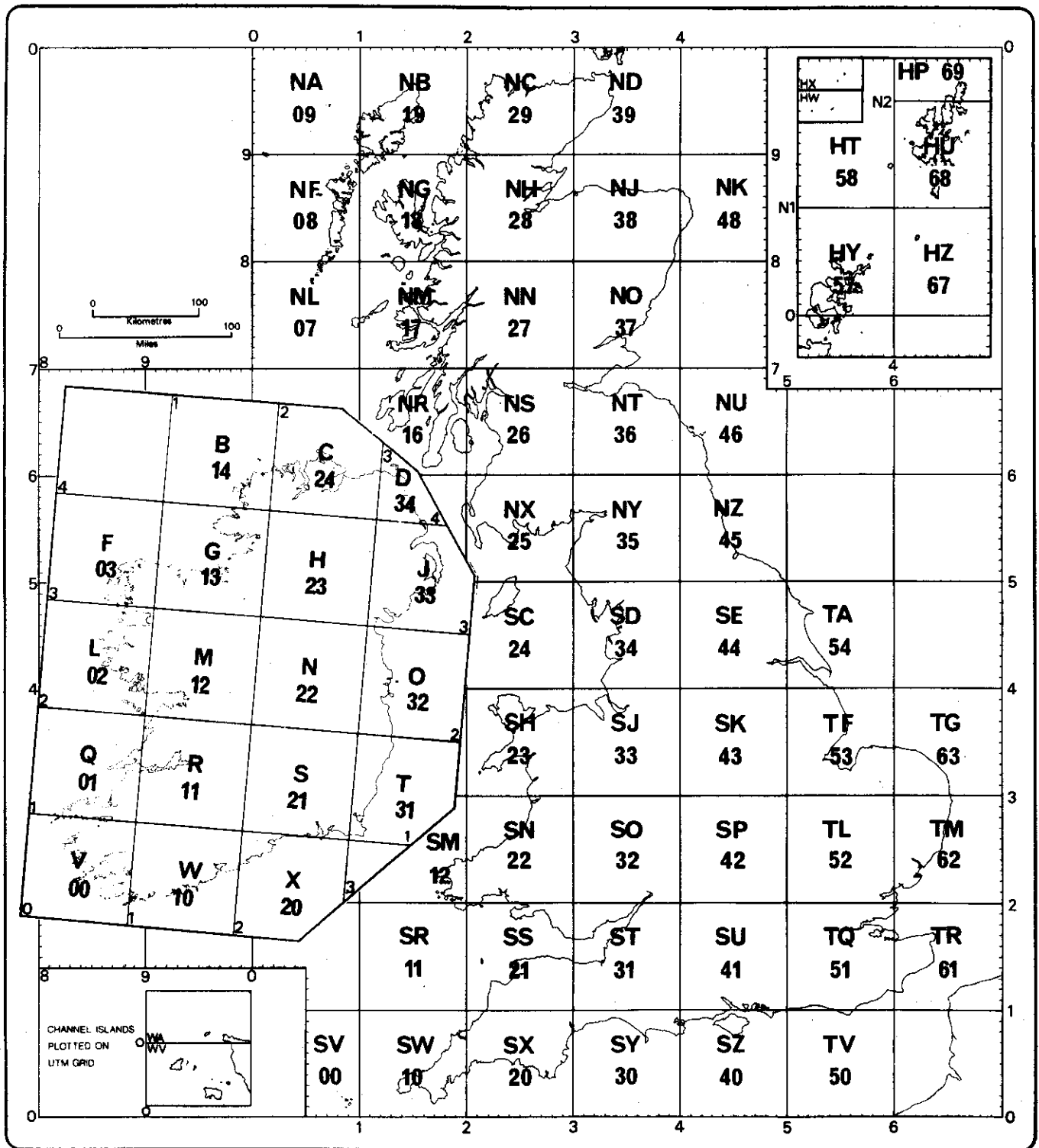
- 1 Bedfordshire & Huntingdonshire Naturalists' Trust
- 2 Berkshire, Buckinghamshire & Oxfordshire Naturalists' Trust
- 3 Cambridgeshire & Isle of Ely Naturalists' Trust
- 4 Cheshire Conservation Trust
- 5 Cornwall Naturalists' Trust
- 6 Derbyshire Naturalists' Trust
- 7 Devon Trust for Nature Conservation
- 8 Dorset Naturalists' Trust
- 9 Durham County Conservation Trust
- 10 Essex Naturalists' Trust
- 11 Gloucestershire Trust for Nature Conservation
- 12 Hampshire & Isle of Wight Naturalists' Trust
- 13 Hereford & Radnor Naturalists' Trust
- 14 Hertfordshire & Middlesex Naturalists' Trust
- 15 Kent Trust for Nature Conservation
- 16 Lake District Naturalists' Trust
- 17 Lancashire Naturalists' Trust
- 18 Leicestershire & Rutland Naturalists' Trust
- 19 Lincolnshire Trust for Nature Conservation
- 20 Manx Nature Conservation Trust
- 21 Norfolk Naturalists' Trust
- 22 Northamptonshire Naturalists' Trust
- 23 Northumberland Wildlife Trust
- 24 Nottinghamshire Trust for Nature Conservation
- 25 Shropshire Conservation Trust
- 26 Somerset Trust for Nature Conservation
- 27 Staffordshire Nature Conservation Trust
- 28 Suffolk Trust for Nature Conservation
- 29 Surrey Naturalists' Trust
- 30 Sussex Trust for Nature Conservation
- 31 Warwick Nature Conservation Trust
- 32 Wiltshire Trust for Nature Conservation
- 33 Worcester Nature Conservation Trust
- 34 Yorkshire Naturalists' Trust

Wales

- 50 North Wales Naturalists' Trust
- 51 West Wales Naturalists' Trust
- 52 Brecknock County Naturalists' Trust
- 53 Glamorgan County Naturalists' Trust
- 54 Monmouth Naturalists' Trust

Scotland

- 60 Scottish Wildlife Trust



Appendix A5

Code letters for the 3 levels of the hierarchy in the SPNR Habitat Classification scheme

DAD	Acid Heath with Dwarf Shrubs	OAJ	Open Acid Shingle
EBH	Basic Hedge	OBK	Open Basic Rock (Horizontal)
ENH	Neutral Hedge	OBQ	Open Basic
F-M	Woodland Margin	OBS	Open Basic Sand
FBM	Basic Woodland Margin	ONQ	Open Neutral Cutting
FDM	Deciduous Woodland Margin	RDE	Unshaded Ditch
FFM	Beechwood Margin	RDW	Shaded Ditch
FP	Pine Wood	SAD	Dry Acid Scrub
FQM	Oakwood Margin	SBD	Dry Calcareous Scrub
GAD	Dry Heath	SNI	Damp Neutral Scrub
GAF	Wet Heath	TAD	Dry Acid Tall Herb
GBD	Chalk/Limestone Grassland	TAF	Wet Acid Tall Herb
GBI	Damp Basic Grassland	TBI	Damp Basic Tall Herb
GND	Dry Neutral Grassland	TND	Dry Neutral Tall Herb
GNI	Damp Neutral Grassland	TNF	Wet Neutral Tall Herb
LOE	Unshaded Pond	TNI	Damp Neutral Tall Herb

Appendix B

Example of Worcestershire Nature Conservation Trust Limited's proforma

Site No.	Date Notified
	Date Accepted
	or
	Date Rejected

Protected Road Verges

Worce. N. C. Trust Notification to Highways Dept.

Map reference	.....	First Reported by	.....
		
Road No.	.....	Trust contact	.....
Road Name	.....	Adjoining	
Parish	.....	owners	.....
		
		

Division **Adjoining owners notified** **YES/NO**

Exact position for posts - see plan on reverse and indicate direction of North

Length of verge(s) metres (each side of the highway calculated separately)

Date posts erected

Interest

Habitat classification (S.P.N.R. scheme)

Management required other than normal cutting in February/March

Subsequent history

Divisional Surveyor's Comments

[illegible]