

To2071j1

26 AUG 1993



**Institute of
Terrestrial
Ecology**



ITE has administrative headquarters north and south, and the geographical distribution of its 250 staff in six Research Stations throughout Britain allows efficient use of resources for regional studies and provides an understanding of local ecological and land use characteristics.

This report is an official document prepared under contract between the customer and the Natural Environment Research Council. It should not be quoted without the permission of both the Institute of Terrestrial Ecology and the customer.

ITE NORTH

Edinburgh Research Station
and ITE(N) Directorate
Bush Estate
Penicuik
Midlothian EH26 0QB
Tel: 031 445 4343; Telex 72579
Fax: 031 445 3943

Banchory Research Station
Hill of Brathens
Glassel
Banchory
Kincardineshire AB31 4BY
Tel: 033 02 3434
Fax: 033 02 3303

Merlewood Research Station
Grange-over-Sands
Cumbria LA11 6JU
Tel: 05395 32264; Telex 65102
Fax: 05395 34705

ITE SOUTH

Monks Wood
and ITE(S) Directorate
Abbots Ripton
Huntingdon
Cambs PE17 2LS
Tel: 048 73 381; Telex 32416
Fax: 048 73 467

Bangor Research Unit
University College of North Wales
Deiniol Road
Bangor
Gwynedd LL57 2UP
Tel: 0248 370045; Telex 61224
Fax: 0248 355365

Furzebrook Research Station
Wareham
Dorset BH20 5AS
Tel: 0929 551518
Fax: 0929 551087

The ITE Research Marketing Officers for ITE North and South are based at Banchory and Monks Wood, respectively.

**INSTITUTE OF TERRESTRIAL ECOLOGY
(NATURAL ENVIRONMENT RESEARCH COUNCIL)**

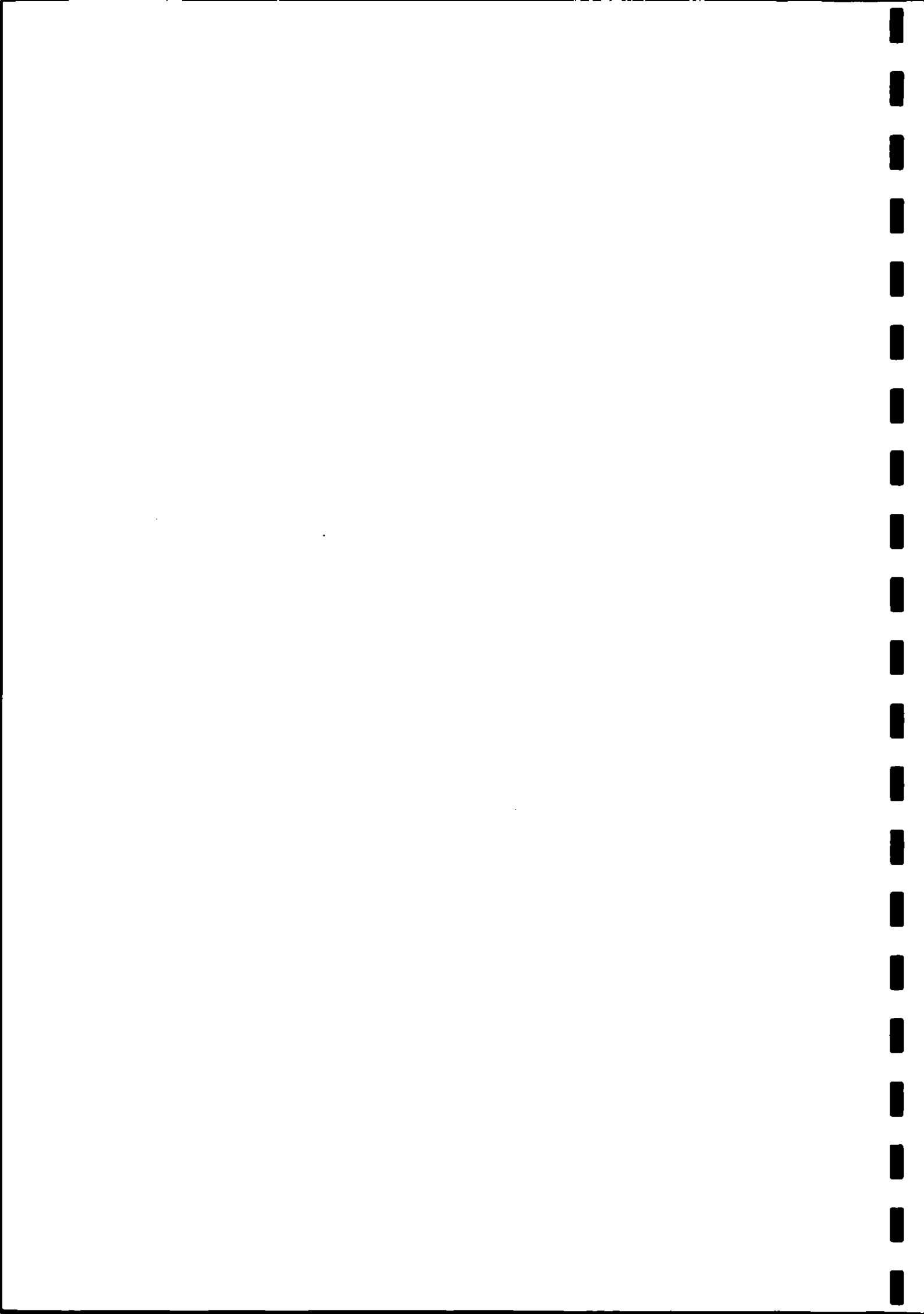
Project No T02071j1

**ITE Land Classification for the
county of Tyne & Wear**

D C Howard and R G H Bunce

**Merlewood Research Station
Grange-over-Sands
Cumbria LA11 6JU**

August 1993



Land Use Research Group

ITE Land Classification for Tyne & Wear

The following table holds the land class of each square in Tyne & Wear. The format of the table is easting (a three digit number), northing (a three digit number) and land class (one or two digits). The data is ordered by easting as primary key and northing as secondary.

The grid reference follows the Ordnance Survey National Grid, using the numeric convention (Harley 1975). Should a grid reference be held in the alpha-numeric format it can be converted into numeric by removing the two letters and modifying the digits. Tyne & Wear occupies part of one 100 kilometre (km) square, NZ. In terms of a 1 km grid, square NZ starts with easting 400 and northing 500 respectively. Having removed the letters, the remaining digits can be split equally into two parts; the first part is the easting the second northing. The easting and northing equivalents are added to the digits to produce the final grid reference, eg NZ1234 becomes 412 534 (NZ is 400, 500 so 400+12 and 500+34). The six figure grid reference describes a complete 1 km square and on a large scale map (eg 1:50 000) it can be identified by reading the easting value off the horizontal axis and the northing off the vertical. The intersection of lines defines the south west (bottom left) corner of the square.

The ITE land Classification was produced in the late 1970's by multivariate analysis of a number of environmental factors (Bunce *et al.* 1981). It stratifies Great Britain into 32 different groups called land classes; every 1 km square in Great Britain has been allocated to it's land class. Three national surveys (the Countryside Surveys) have been performed to characterise the different land classes (Barr 1990), and the classification is being used to model the consequences of a variety of different changes (eg Bunce *et al.* 1992).

References

Barr, C.J. (1990) Mapping the changing face of Britain. Geographic magazine October 1990.

Bunce, R.G.H., Barr, C.J. and Whittaker, H.A. (1981) Land Classes in Great Britain: preliminary description for users of the method of land classification. Merlewood Research and Development paper no. 86. Institute of Terrestrial Ecology; Grange-over-Sands.

Bunce, R.G.H., Howard, D.C., Hallam, C.J., Barr, C.J. and Benefield, C.B. (1992). The ecological consequences of land use change. Report to the Department of the Environment.

Harley, J.B. (1975) Ordnance Survey Maps: a descriptive manual. Ordnance Survey: Southampton.

East	North	LC	East	North	LC	East	North	LC
410	558	10	417	562	26	420	575	10
411	557	27	417	563	13	421	556	25
411	558	25	417	564	13	421	557	25
411	559	25	417	565	26	421	558	25
411	560	27	417	566	26	421	559	25
411	561	27	417	567	27	421	560	27
411	562	27	417	568	25	421	561	27
412	557	27	417	569	10	421	562	26
412	558	25	417	570	10	421	563	9
412	559	25	418	557	25	421	564	27
412	560	25	418	558	25	421	565	26
412	561	25	418	559	27	421	566	27
412	562	10	418	560	27	421	567	27
412	563	27	418	561	25	421	568	27
412	564	26	418	562	26	421	569	26
413	557	27	418	563	9	421	570	25
413	558	25	418	564	26	421	571	10
413	559	27	418	565	26	421	572	10
413	560	27	418	566	27	421	573	10
413	561	25	418	567	27	421	574	10
413	562	27	418	568	10	421	575	10
413	563	26	418	569	10	422	555	10
413	564	26	418	570	10	422	556	25
413	565	26	418	574	27	422	557	25
414	557	27	419	557	25	422	558	25
414	558	27	419	558	25	422	559	25
414	559	25	419	559	25	422	560	10
414	560	25	419	560	27	422	561	25
414	561	25	419	561	13	422	562	14
414	562	26	419	562	26	422	563	26
414	563	27	419	563	10	422	564	26
414	564	27	419	564	26	422	565	26
414	566	10	419	565	26	422	566	27
415	557	27	419	566	27	422	567	27
415	558	26	419	567	27	422	568	27
415	559	27	419	568	10	422	569	26
415	560	25	419	569	10	422	570	25
415	561	27	419	570	10	422	571	10
415	562	25	419	571	10	422	572	10
415	563	27	419	573	10	422	573	10
415	564	26	419	574	10	422	574	10
415	565	13	419	575	10	423	554	27
415	566	26	420	557	25	423	555	10
415	567	25	420	558	25	423	556	25
416	558	26	420	559	27	423	557	25
416	559	27	420	560	26	423	558	25
416	560	25	420	561	26	423	559	27
416	561	25	420	562	26	423	560	26
416	562	25	420	563	26	423	561	14
416	563	25	420	564	26	423	562	9
416	564	13	420	565	26	423	563	26
416	565	13	420	566	27	423	564	26
416	566	26	420	567	27	423	565	25
416	567	27	420	568	27	423	566	25
416	568	10	420	569	25	423	567	27
416	569	25	420	570	10	423	568	26
417	558	27	420	571	10	423	569	26
417	559	27	420	572	10	423	570	25
417	560	27	420	573	10	423	571	10
417	561	25	420	574	10	423	572	27

East	North	LC	East	North	LC	East	North	LC
423	573	10	427	555	27	430	554	26
423	574	10	427	556	27	430	555	27
424	555	27	427	557	25	430	556	27
424	556	27	427	558	27	430	557	25
424	557	26	427	559	27	430	558	27
424	558	26	427	560	25	430	559	25
424	559	26	427	561	26	430	560	10
424	560	26	427	562	26	430	561	25
424	561	26	427	563	13	430	562	10
424	562	26	427	564	26	430	563	13
424	563	26	427	565	26	430	564	13
424	564	26	427	566	27	430	565	13
424	565	26	427	567	27	430	566	14
424	566	25	427	568	26	430	567	27
424	567	27	427	569	27	430	568	27
424	568	26	427	570	27	430	569	27
424	569	26	427	571	27	430	570	27
424	570	27	427	572	27	430	571	13
424	571	10	427	573	10	430	572	13
424	572	27	428	554	25	431	549	25
424	573	27	428	555	25	431	553	13
424	574	10	428	556	25	431	554	13
425	556	25	428	557	25	431	555	26
425	557	26	428	558	25	431	556	26
425	558	26	428	559	27	431	557	25
425	559	26	428	560	25	431	558	26
425	560	26	428	561	26	431	559	27
425	561	26	428	562	13	431	560	13
425	562	26	428	563	26	431	561	13
425	563	26	428	564	26	431	562	13
425	564	14	428	565	26	431	563	27
425	565	26	428	566	26	431	564	27
425	566	26	428	567	10	431	565	14
425	567	26	428	568	10	431	566	13
425	568	26	428	569	27	431	567	26
425	569	10	428	570	27	431	568	27
425	570	10	428	571	27	431	569	27
425	571	10	428	572	10	431	570	25
425	572	10	429	553	25	431	571	26
425	573	10	429	554	27	431	572	13
425	574	10	429	555	27	432	548	27
426	556	26	429	556	27	432	549	27
426	557	25	429	557	27	432	550	27
426	558	26	429	558	25	432	551	25
426	559	27	429	559	27	432	552	27
426	560	27	429	560	27	432	553	27
426	561	26	429	561	27	432	554	13
426	562	26	429	562	13	432	555	14
426	563	14	429	563	13	432	556	10
426	564	13	429	564	26	432	557	10
426	565	27	429	565	26	432	558	13
426	566	27	429	566	26	432	559	27
426	567	27	429	567	27	432	560	13
426	568	27	429	568	10	432	561	13
426	569	10	429	569	10	432	562	26
426	570	27	429	570	27	432	563	26
426	571	10	429	571	16	432	564	26
426	572	10	429	572	13	432	565	14
426	573	27	429	573	13	432	566	13
427	554	27	430	549	25	432	567	26

East	North	LC	East	North	LC	East	North	LC
432	568	25	434	570	13	436	568	14
432	569	13	434	571	26	436	569	14
432	570	13	434	572	26	436	570	14
432	571	27	434	573	26	436	571	14
432	572	27	434	574	14	436	572	14
433	545	28	434	575	14	437	547	9
433	546	27	435	545	9	437	548	14
433	547	25	435	546	27	437	550	27
433	548	25	435	547	27	437	551	28
433	549	27	435	548	27	437	552	27
433	550	27	435	549	9	437	553	27
433	551	27	435	550	27	437	554	27
433	552	27	435	551	10	437	555	27
433	553	27	435	552	27	437	556	27
433	554	10	435	553	27	437	557	14
433	555	14	435	554	27	437	558	14
433	556	13	435	555	27	437	559	27
433	557	13	435	556	14	437	560	14
433	558	13	435	557	14	437	561	26
433	559	13	435	558	27	437	562	13
433	560	13	435	559	27	437	563	27
433	561	13	435	560	14	437	564	26
433	562	26	435	561	27	437	565	27
433	563	26	435	562	13	437	566	26
433	564	26	435	563	27	437	567	14
433	565	14	435	564	26	437	568	14
433	566	14	435	565	15	437	569	15
433	567	26	435	566	13	437	570	9
433	568	26	435	567	14	438	550	28
433	569	27	435	568	14	438	551	28
433	570	25	435	569	25	438	552	27
433	571	27	435	570	26	438	553	26
433	572	13	435	571	26	438	554	27
433	573	13	435	572	14	438	555	27
433	574	13	435	573	14	438	556	26
434	545	27	435	574	14	438	557	14
434	546	27	435	575	14	438	558	14
434	547	27	436	545	27	438	559	14
434	548	27	436	546	27	438	560	14
434	549	27	436	547	9	438	561	14
434	550	27	436	548	9	438	562	27
434	551	28	436	549	28	438	563	27
434	552	25	436	550	27	438	564	26
434	553	27	436	551	28	438	565	26
434	554	27	436	552	27	438	566	14
434	555	15	436	553	27	438	567	14
434	556	14	436	554	27	438	568	14
434	557	14	436	555	27	438	569	14
434	558	27	436	556	26	439	550	14
434	559	27	436	557	14	439	551	14
434	560	10	436	558	14	439	552	14
434	561	25	436	559	27	439	553	27
434	562	26	436	560	14	439	554	27
434	563	27	436	561	27	439	555	27
434	564	26	436	562	26	439	556	26
434	565	13	436	563	26	439	557	14
434	566	14	436	564	26	439	558	14
434	567	14	436	565	26	439	559	26
434	568	26	436	566	26	439	560	27
434	569	25	436	567	14	439	561	14

East	North	LC
439	562	14
439	563	27
439	564	14
439	565	14
439	566	14
440	551	26
440	552	26
440	553	26
440	554	26
440	555	26
440	556	26
440	557	14
440	558	14
440	559	14
440	560	14
440	561	14
440	562	27
440	563	14
440	564	14
440	565	9
441	552	14
441	553	14
441	554	14
441	555	14
441	556	14
441	557	14
441	558	14
441	561	14
441	562	14
441	563	14
441	564	14



Library Service

To: Chief Librarian
ITE Merlewood

TFSDIS

Details of a new publication for addition to the ~~ESD~~ database

1. Subproject number T
2. Author(s)
3. Date
4. Title

5. Has this publication been refereed? Yes / No

If 4 is title of a chapter, go to 8

If 4 is title of a contract report, go to 13

6. Journal
7. Vol. and page nos
8. Book title
9. Is 8 the proceedings of a conference or symposium? Yes/No
10. Editor(s)
11. Publisher
12. Page nos of chapter
13. Customer

14. Disclosure Please indicate category and sign statement overleaf

Please attach, or forward later, one reprint/photocopy of a publication or one copy of a contract report. A reprint/photocopy (of publication, not contract reports) should be given to your Station Librarian.

Library Service

A Must not be released: *STRICTLY CONFIDENTIAL*

B Must be referred to the customer for written approval

Contact name:

Address:

Telephone number:

C Must be referred to the author

D May be lent or photocopied without the need to seek approval

Signed:

D. Chinn

Date:

17/8/93