

**Lowland wet grassland resource
survey: Module 2
Volume 1: Biota Reference Inventory
North West Region**



English Nature Research Report

**Number 149
Lowland Wet Grassland
Resource Survey: Module 2**

**Volume 1: Biota Reference Inventory:
North West Region**

T C Dargie

Ecological Consultant, Loch Fleet View, Dornoch, Scotland

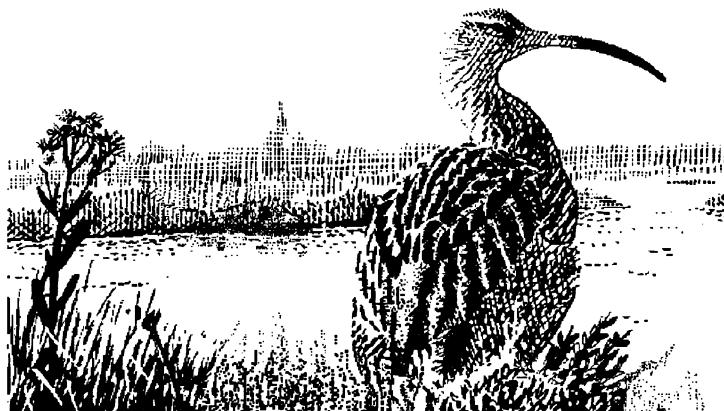
Final report (contract F72-08-18)

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LOWLAND WET
GRASSLAND



R E S O U R C E S U R V E Y

RESOURCE DISTRIBUTION & BIOTA
REFERENCE INVENTORY

NORTH-WEST REGION

A REPORT TO ENGLISH NATURE
CONTRACT No. F72-08-18
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DR. TOM DARGIE
MONICA DARGIE
DOMINIC TANTRAM

DR. TOM DARGIE
ECOLOGICAL CONSULTANT
Loch Fleet View, Skelbo Street, Dornoch, Scotland. IV25 3QQ
Telephone/Fax 0862 810877

LOWLAND WET GRASSLAND IN ENGLAND RESOURCE DISTRIBUTION AND BIOTA REFERENCE INVENTORY

NORTH-WEST REGION

Background

Lowland wet grasslands occur widely in England, supporting diverse communities of plant and animal species. The broad definition used here of this habitat is: "*managed land, periodically inundated by water, predominantly of permanent grassland and fen meadows within a flat area with a network of ditches containing standing water. Such areas may also include some wetter emergent swamp communities, but not extensive areas of emergent hydrophytes (e.g. Typha and Phragmites). Lowland wet grasslands, including grazing marshes, normally occur in lowland river valleys and behind sea defences. Salt marshes are not included.*" Such grasslands are especially notable for vascular plants, birds (particularly waders and wildfowl) and invertebrates of ditches and ditch margins. They are thus of considerable nature conservation value.

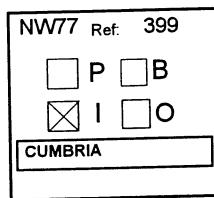
The extent and nature conservation value of lowland wet grassland has been dramatically reduced over the last 30 years, principally by agricultural intensification. There is a reasonable documentation of the extent and nature conservation interest for the larger areas of coastal grazing marsh and river valley grassland but, at an all-England scale, there are major gaps in basic information on the distribution, extent and nature conservation interest of wet grassland. This volume is part of a resource survey project which maps all areas of probable lowland wet grassland exceeding 10 hectares in England (Module 1: Year 1 1992/93; Dargie 1993) and collates information on grassland biota as an inventory (Module 2: Year 2 1993/94; Dargie, Dargie & Tantram 1994). Results are to be used in developing a national strategy for the conservation of lowland wet grassland.

Maps

Maps in this volume record the distribution of numbered lowland wet grassland blocks in 10 km squares of the National Grid. If information on the biota of a lowland wet grassland block (e.g. Phase 2 grassland survey; botanical surveys of ditch systems; breeding, wintering and passage bird surveys and/or data; aquatic and terrestrial invertebrate surveys) has been recorded since 1979 then a label indicating block number, information reference code, type of information and county is added at the base of a map. A regional reference map with a 10 km grid acts as a key to the 10 km map set and is placed at the front of all map detail.

Labels

The format for a label contains a grassland block reference code (eg SW103, block 103 in South-West Region), a bibliographic code (eg Ref. 194, reference numbered 194 in the regional bibliography), boxes indicating the type of information held for that block/reference combination (P, plant; B, bird; I, invertebrate; O, other; the symbol X is used to mark the type of information), plus the county of the block (for blocks straddling more than one county, the name of the county containing the largest proportion of block area). This format was adopted to give at-a-glance understanding of information availability for a dataset involving several hundred references, several thousand blocks, and multiple attributes for each references/block combination. An example of a single label is given below.



Biota reference inventory

Following the maps there is a bibliographic inventory of surveys and survey data, including the location of survey reports and data. Each bibliographic entry has a reference number which is the position of entry of the source in the national inventory set. The grassland block and information reference numbers act as cross-references between the map sheets, labels and bibliographies for each region. Labels and bibliographies have been generated from a comprehensive relational PARADOX database, set up to receive details on all reports and data sets reviewed in the 1993/94 exercise and to match this information with grassland block detail recorded in 1992/93. The PARADOX database is lodged with English Nature at Peterborough.

Wet grassland block database

The blocks for each region are appended to regional reports. The bulk of this information was included in the 1992/93 report but literature searches and fresh map information produced a small number of extra blocks in 1993/94. Details for new blocks have been added to the relevant regional information.

Mapping grassland blocks

The core of this project is a large set of wet grassland blocks mapped at 1:50,000 scale. These blocks forms the spatial referencing system which underpins mapping and the selection of references upon wet grassland biota. It is therefore important to understand the basis by which lowland wet grassland blocks have been identified and mapped in this project. The blocks have been located using Phase 1 habitat survey, SSSI habitat maps and air photo interpretation as sources for grassland, plus Ordnance Survey maps showing relief and ditch networks. The approach is based on a pilot exercise operated in South-East Region in 1991/92 (Dargie, 1992). It was modified slightly and refined in 1992/93 as an all-England project, marking grassland blocks on 1:50,000 Ordnance Survey outline map sheets (Dargie, 1993). This form of spatial archiving was cumbersome and in 1993/94 copies were made of 1:50,000 outline maps, cutting these into a set of 10 km squares containing grassland blocks. A set of mounted but unbound 10 km squares, plus regional maps, is deposited at English Nature headquarters in Peterborough. The original 1:50,000 OS outline map sheets are also held at Peterborough.

It is important to realise that the maps are only indicative in character. The boundaries marked must not be accepted as definitive in character due to difficulties encountered in producing maps in 1992/93. Problems included Phase 1 survey results which were dated (e.g. ten or more years old), varied in quality and accuracy, or had only partial or no coverage for some counties. These findings corroborate an earlier evaluation of Phase 1 surveys for England (Wyatt 1991) These difficulties mean that accuracy varies from county to county, and occasionally within counties. No information was obtained at all in 1992/93 for Lincolnshire and as a result there remains no block-referenced biota information on wet grassland for that county. The survey only covers grassland blocks >10 ha in size (a stipulation of the 1992/93 brief) and hence small occurrences are not marked. A full account of problems and the accuracy of results is given in Dargie (1993).

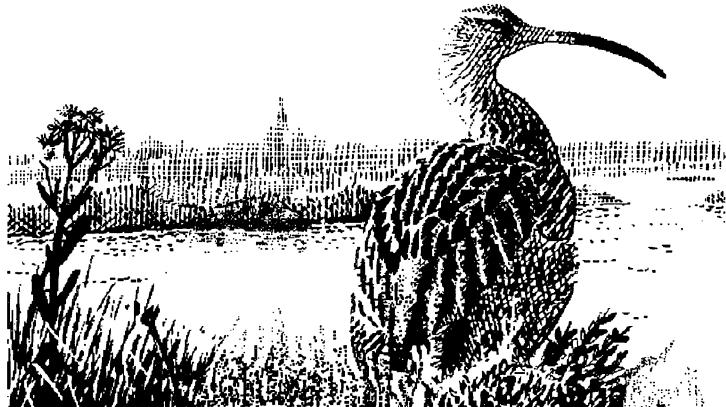
Dargie, T.C.D. (1992) Grazing marsh resource survey. Phase 1: resource location. Contract Report F72-08-10. Peterborough, English Nature.

Dargie, T.C.D. (1993) The distribution of lowland wet grassland in England. English Nature Research Report No. 49 (Contract F72-08-17). Peterborough, English Nature.

Dargie, T.C.D., Dargie, M.M. & Tantram, D. (1994) Lowland wet grassland resource survey. Module 2: Biota Inventory. (Contract F72-08-18). Peterborough, English Nature.

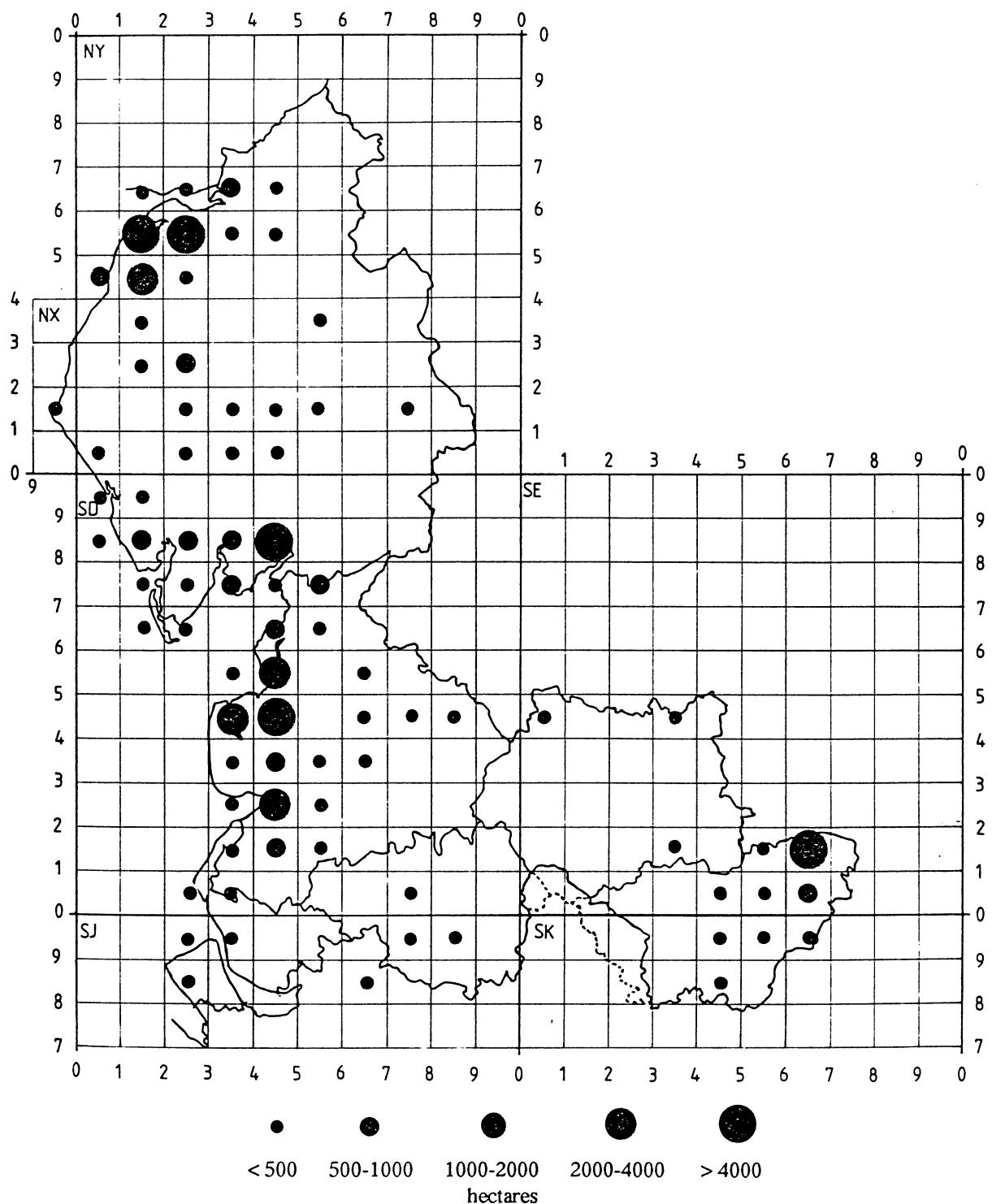
Wyatt, G. (1991). A review of Phase 1 habitat survey in England. Volume 1 General Report, supported by eight regional reports. Great Britain Nature Conservation Survey Project No. 4. Peterborough, Nature Conservancy Council.

**LOWLAND WET
GRASSLAND**

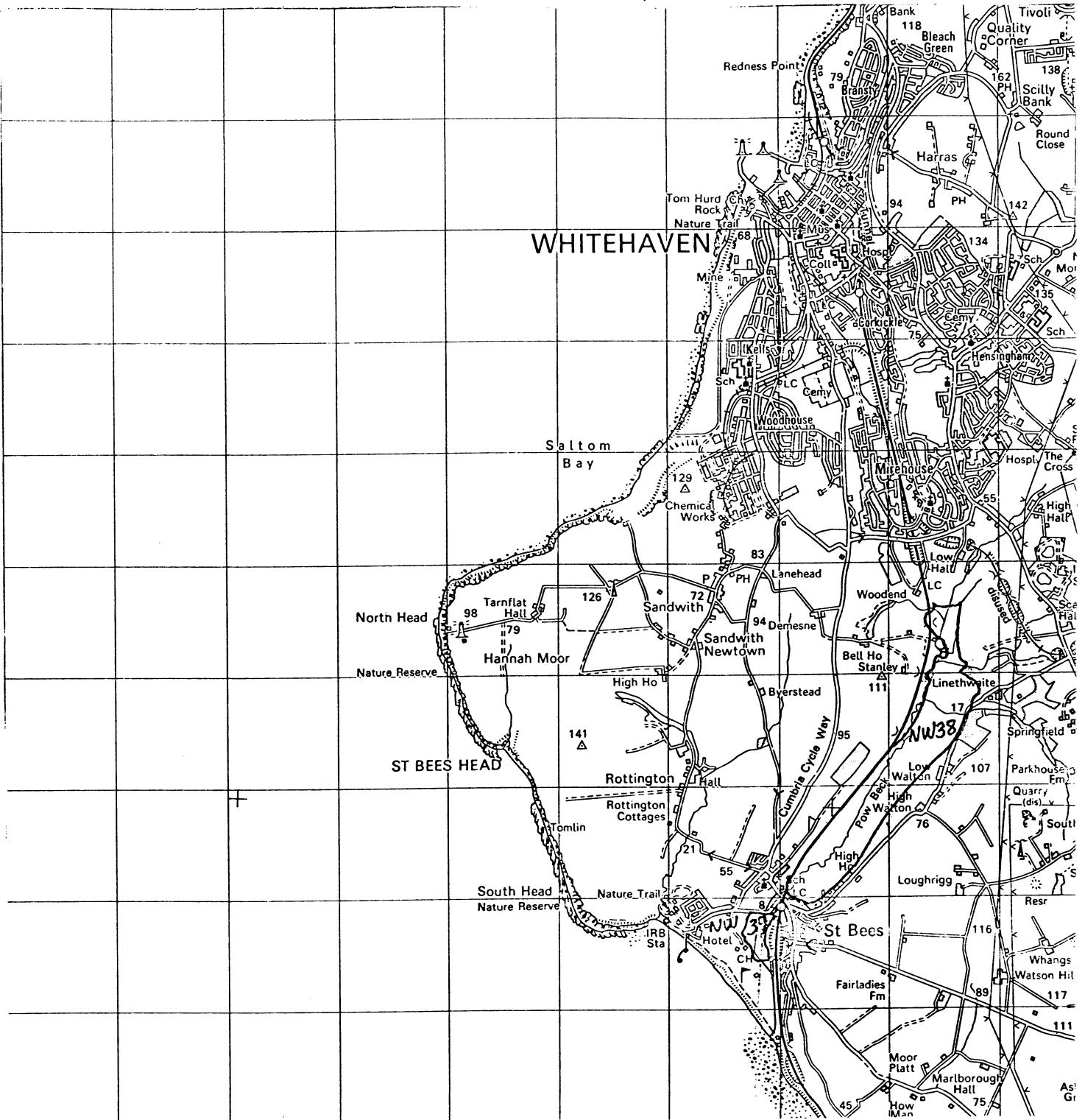


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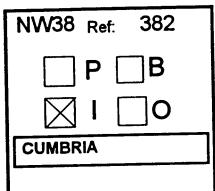
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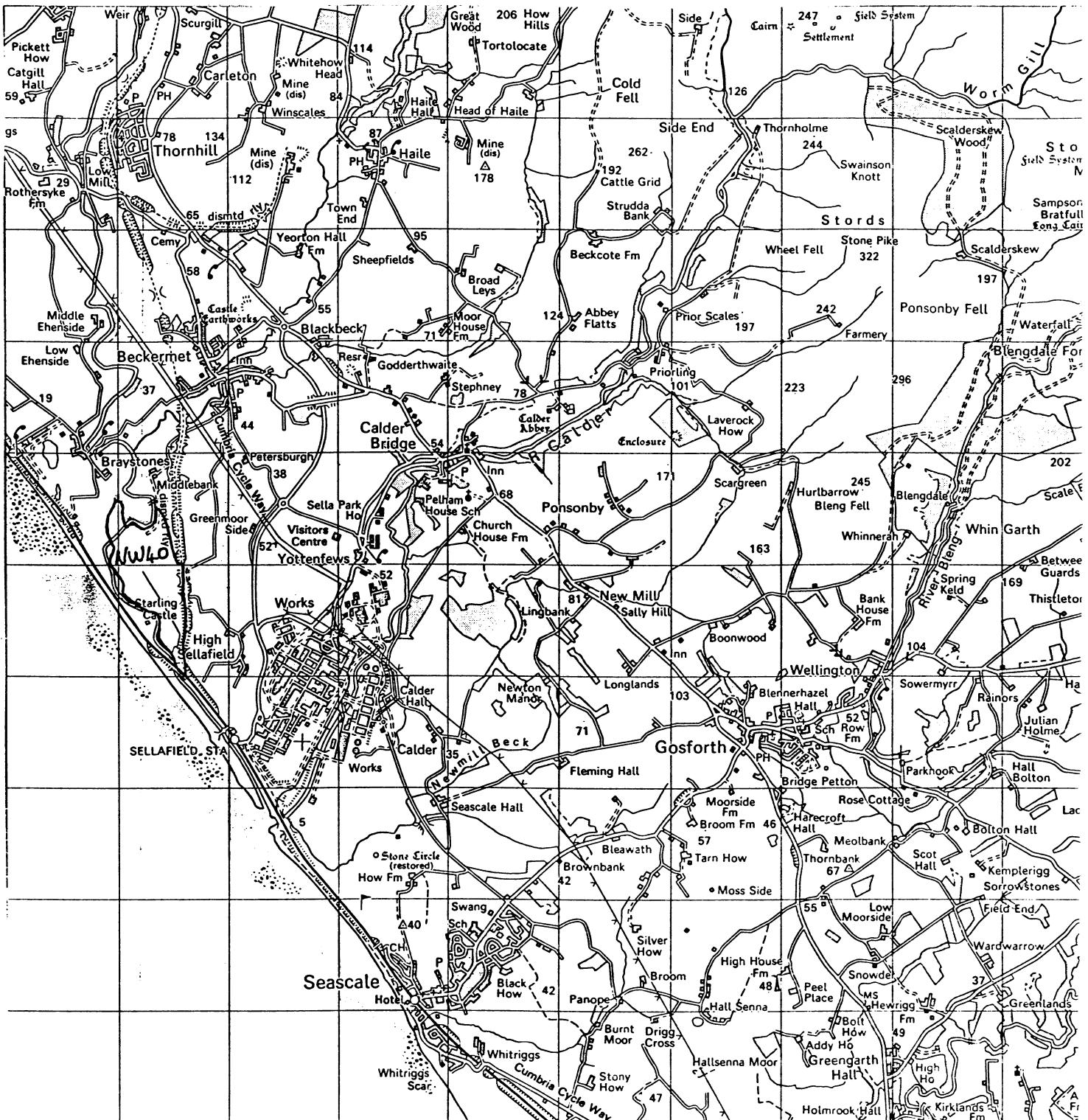


Distribution of lowland wet grassland in 10 km squares of North-West Region

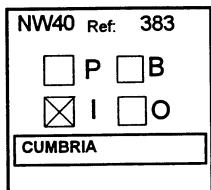


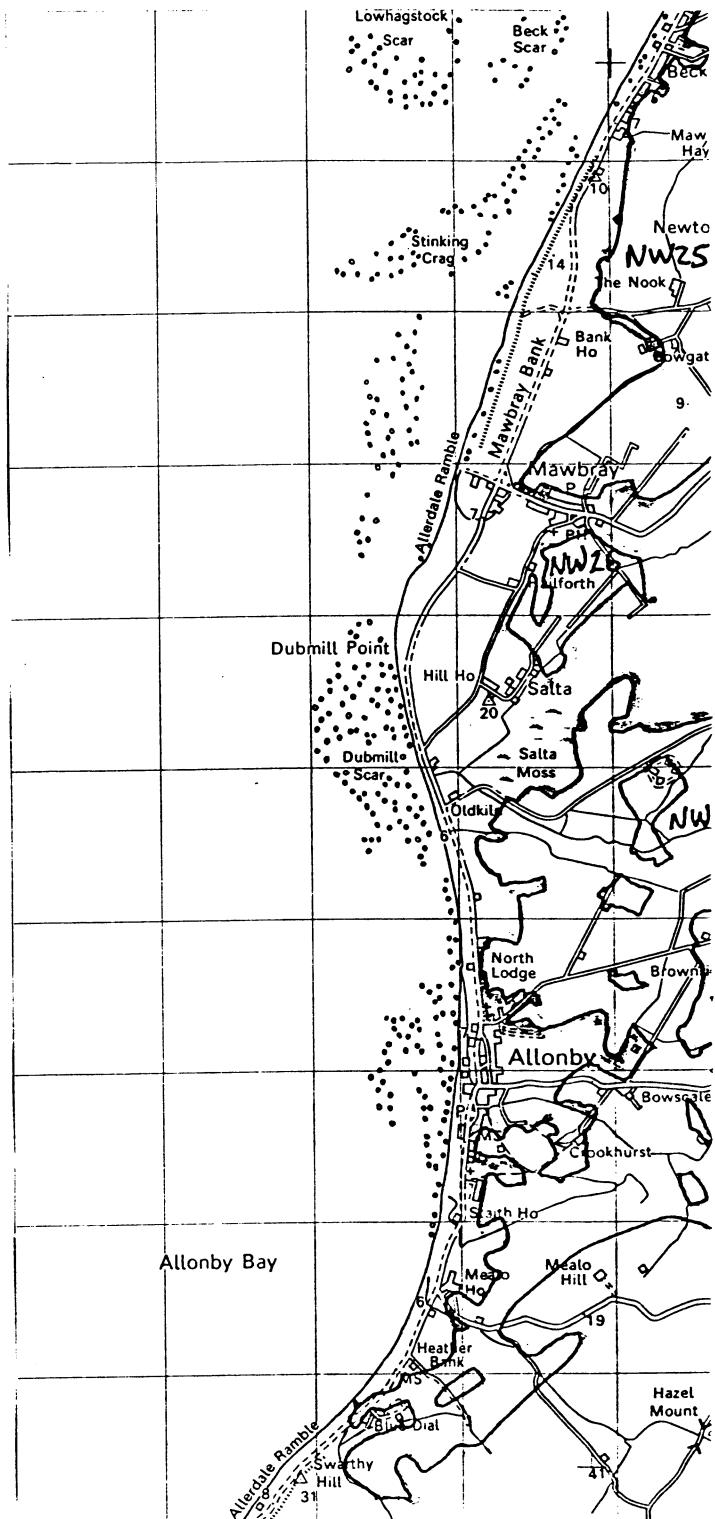
NX91 Sheet 89





NY00 Sheet 89



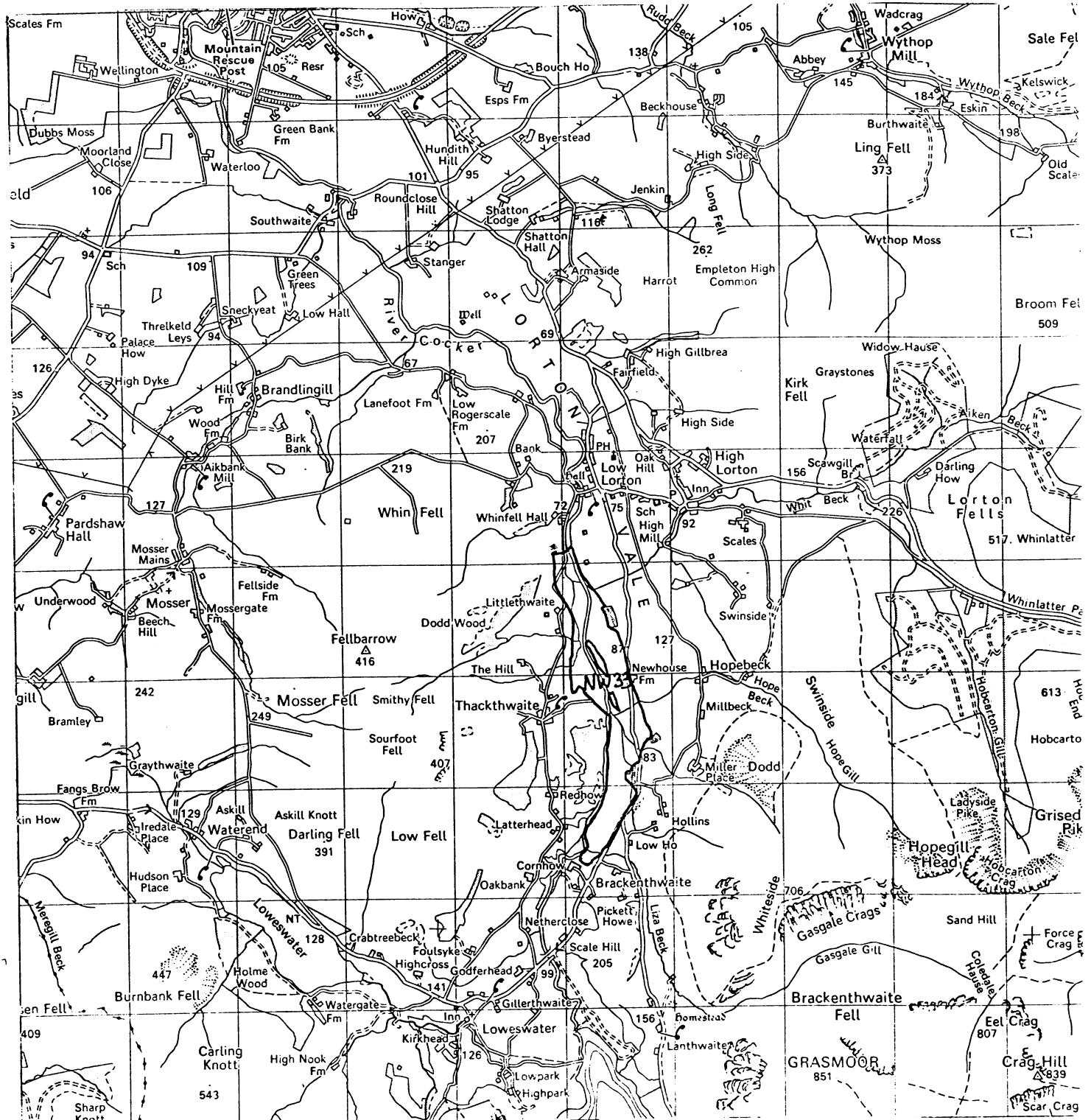


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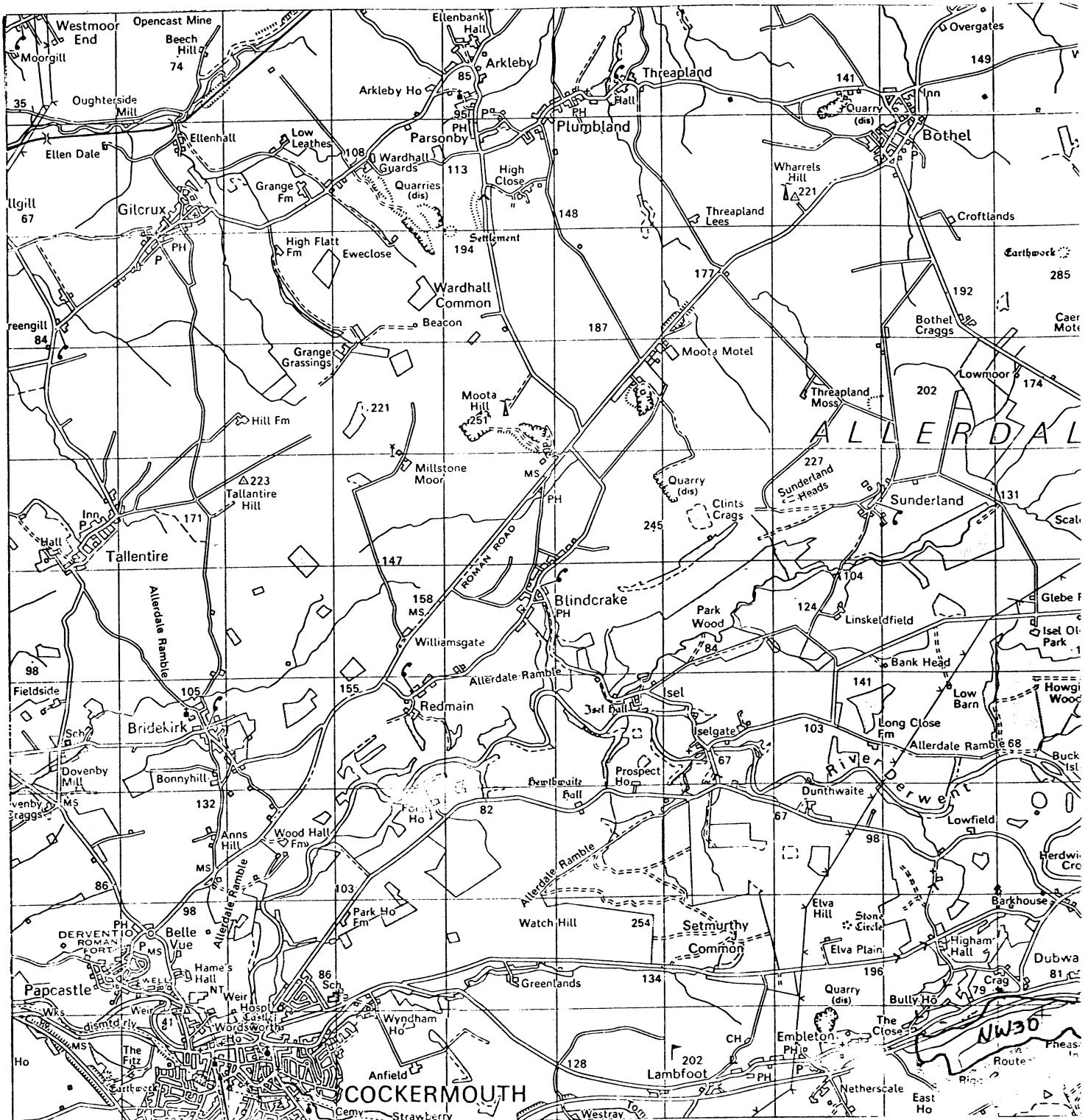
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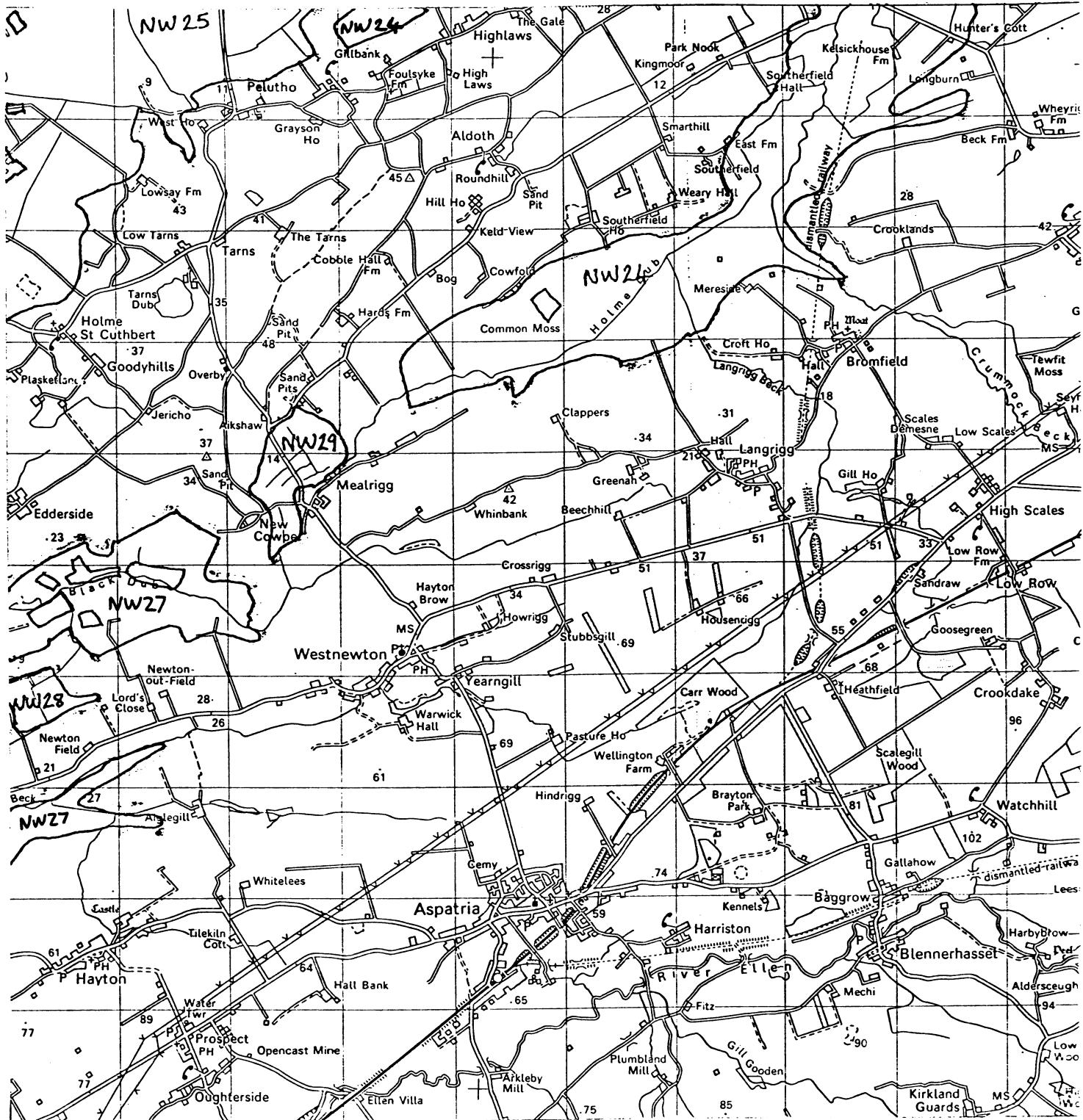
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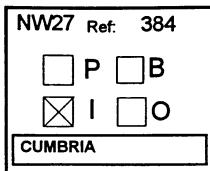
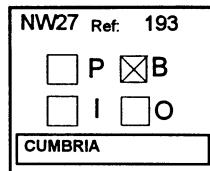
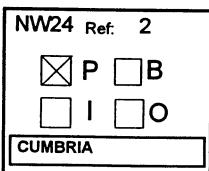
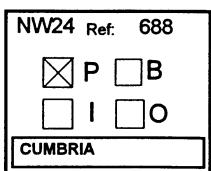
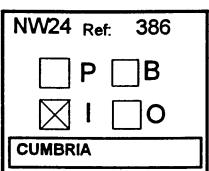
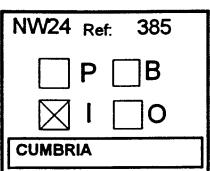
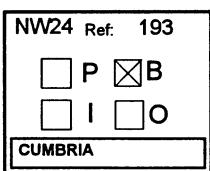
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NY13 **Sheet 89**



NY14 Sheet 85





NY15 Sheet 85

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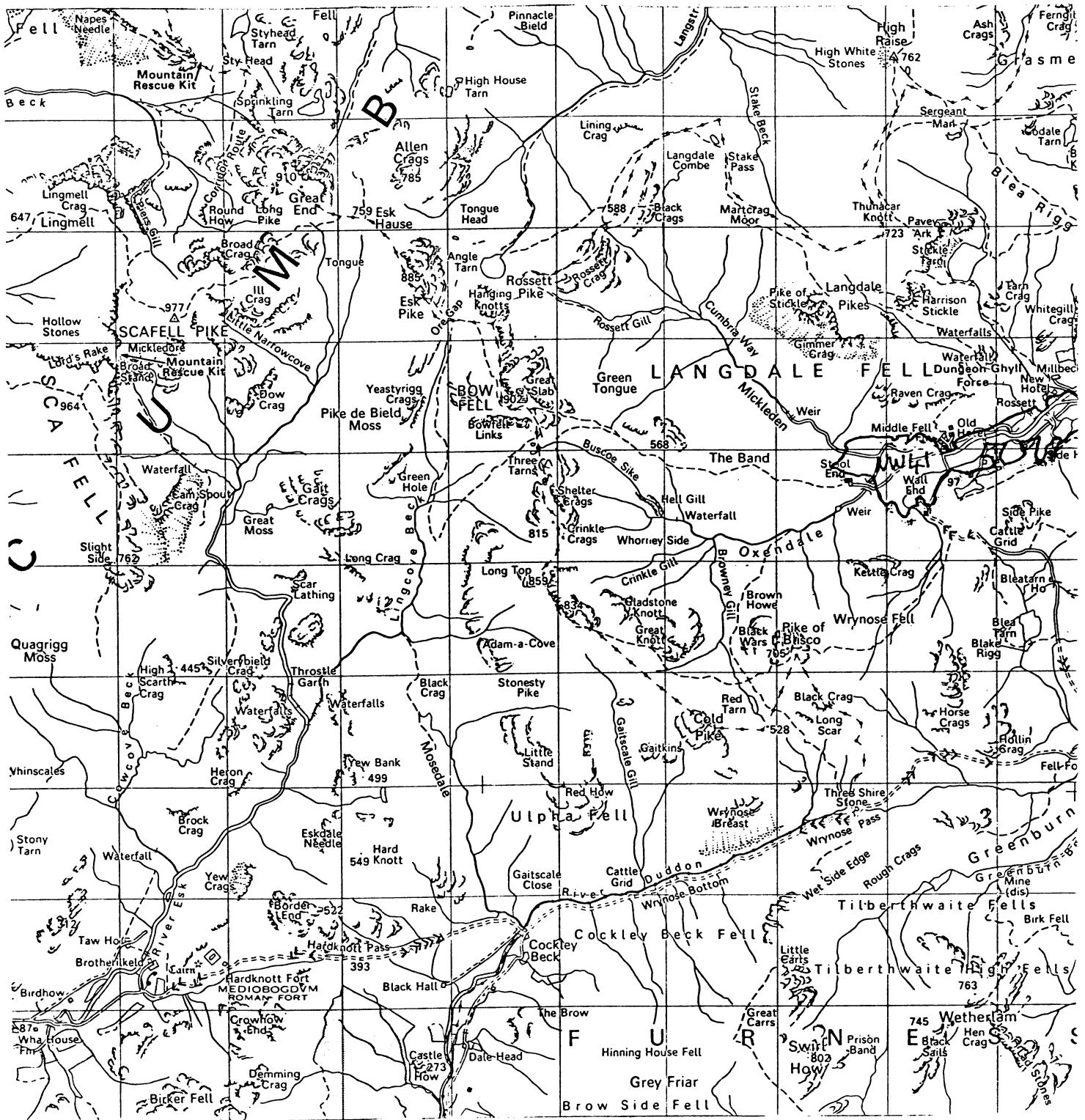
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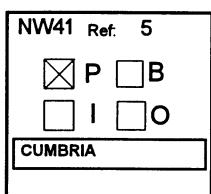
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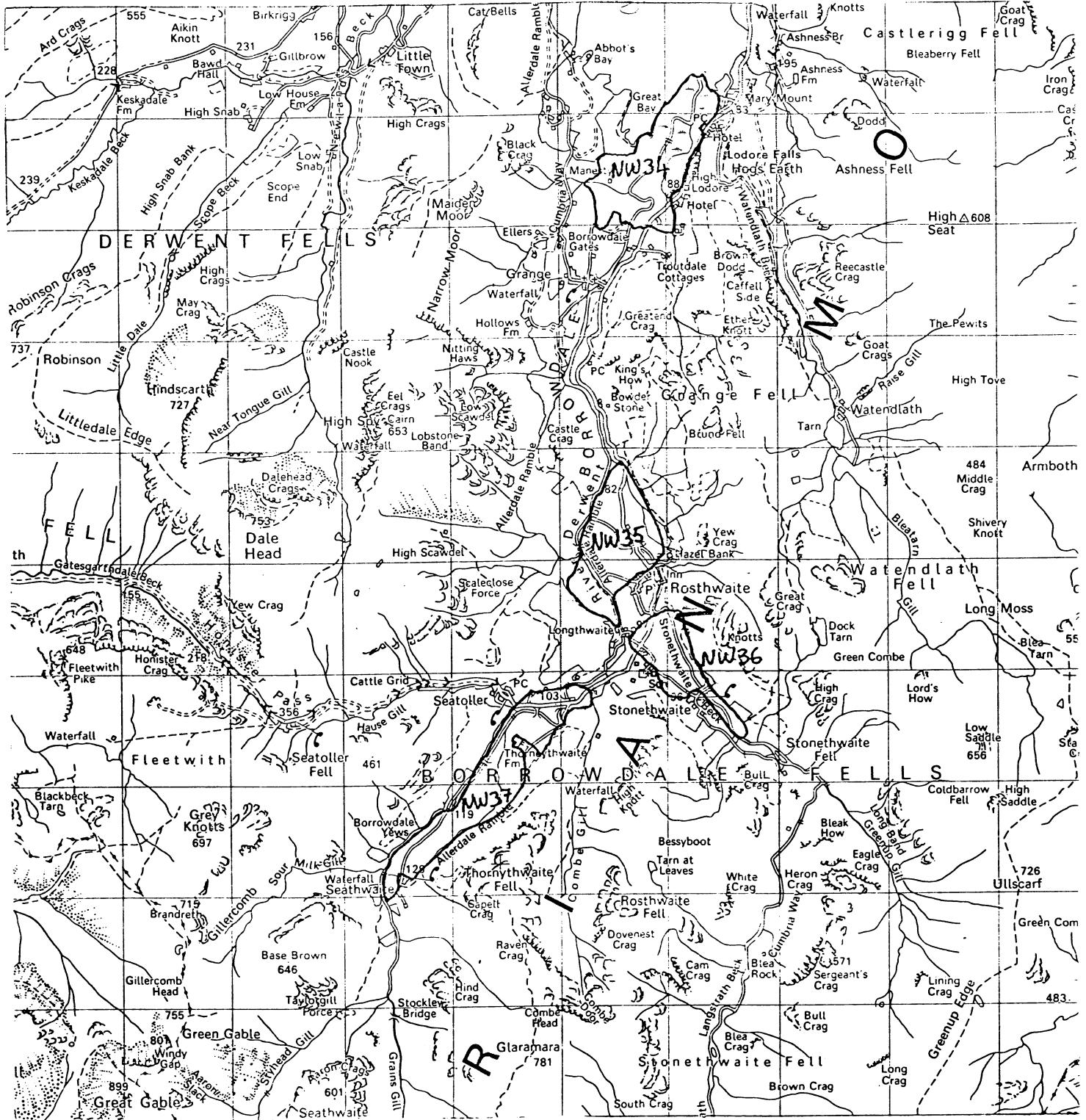


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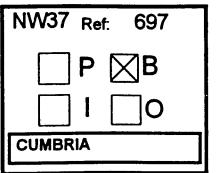
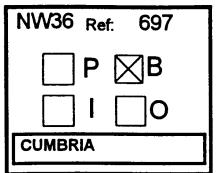
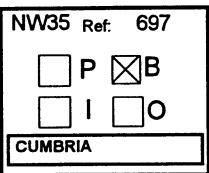


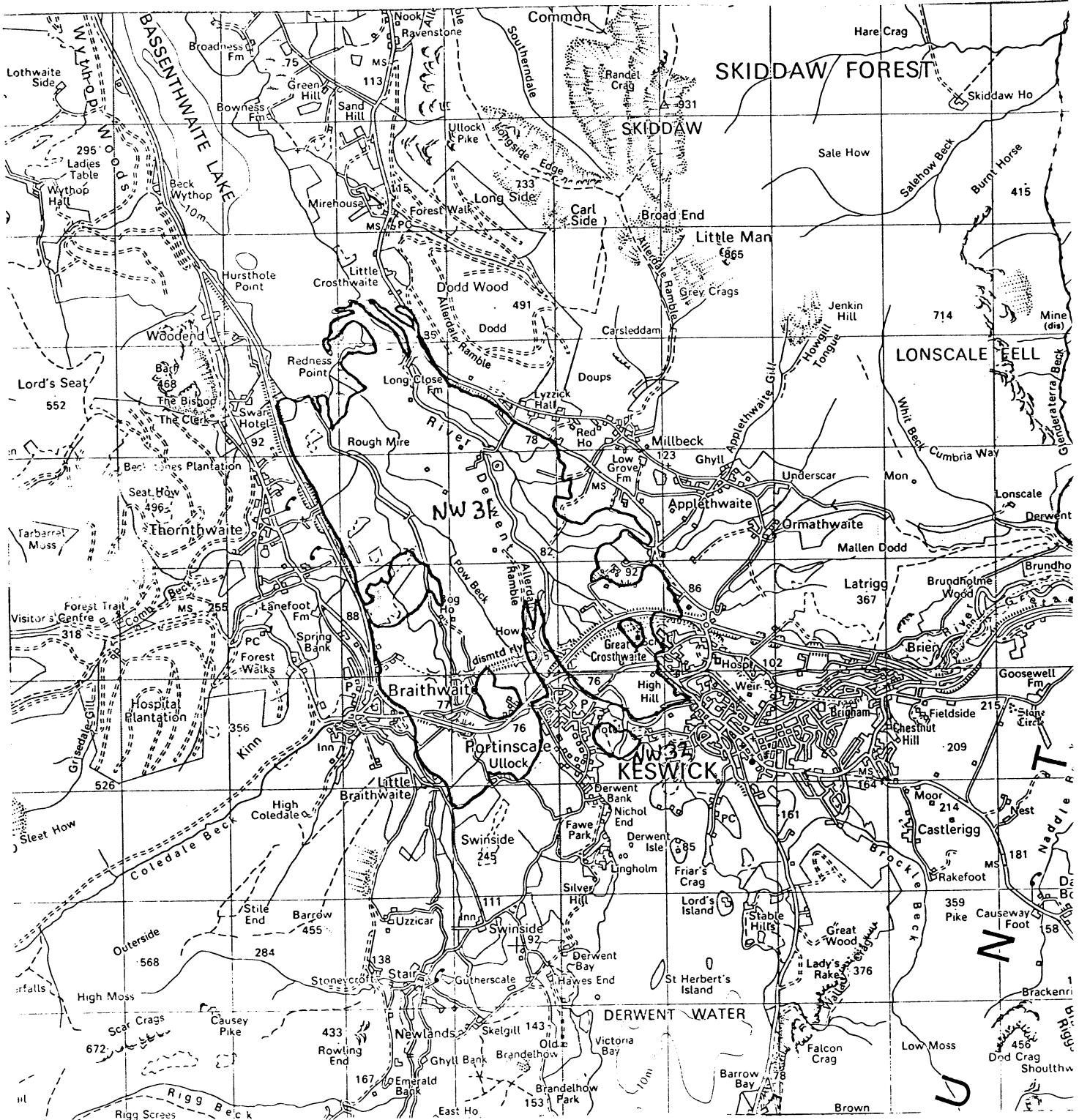
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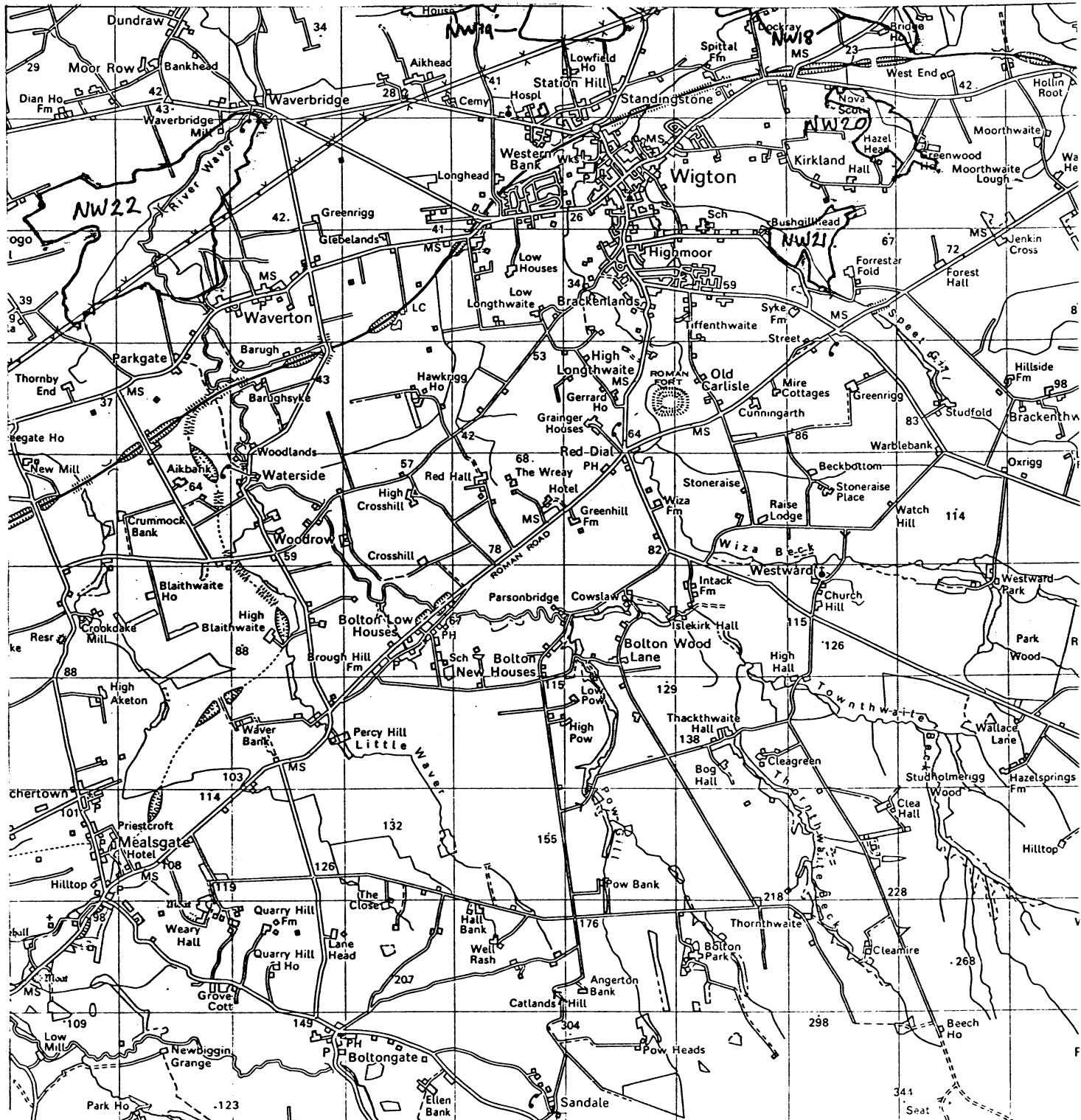


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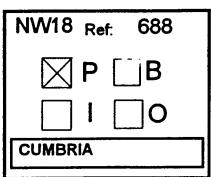
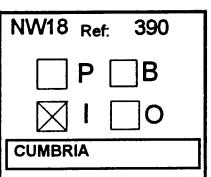
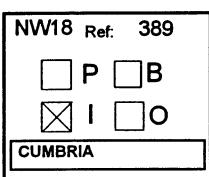
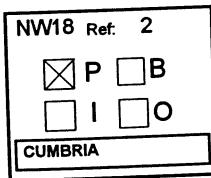
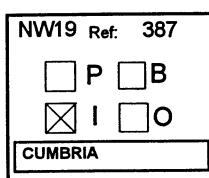




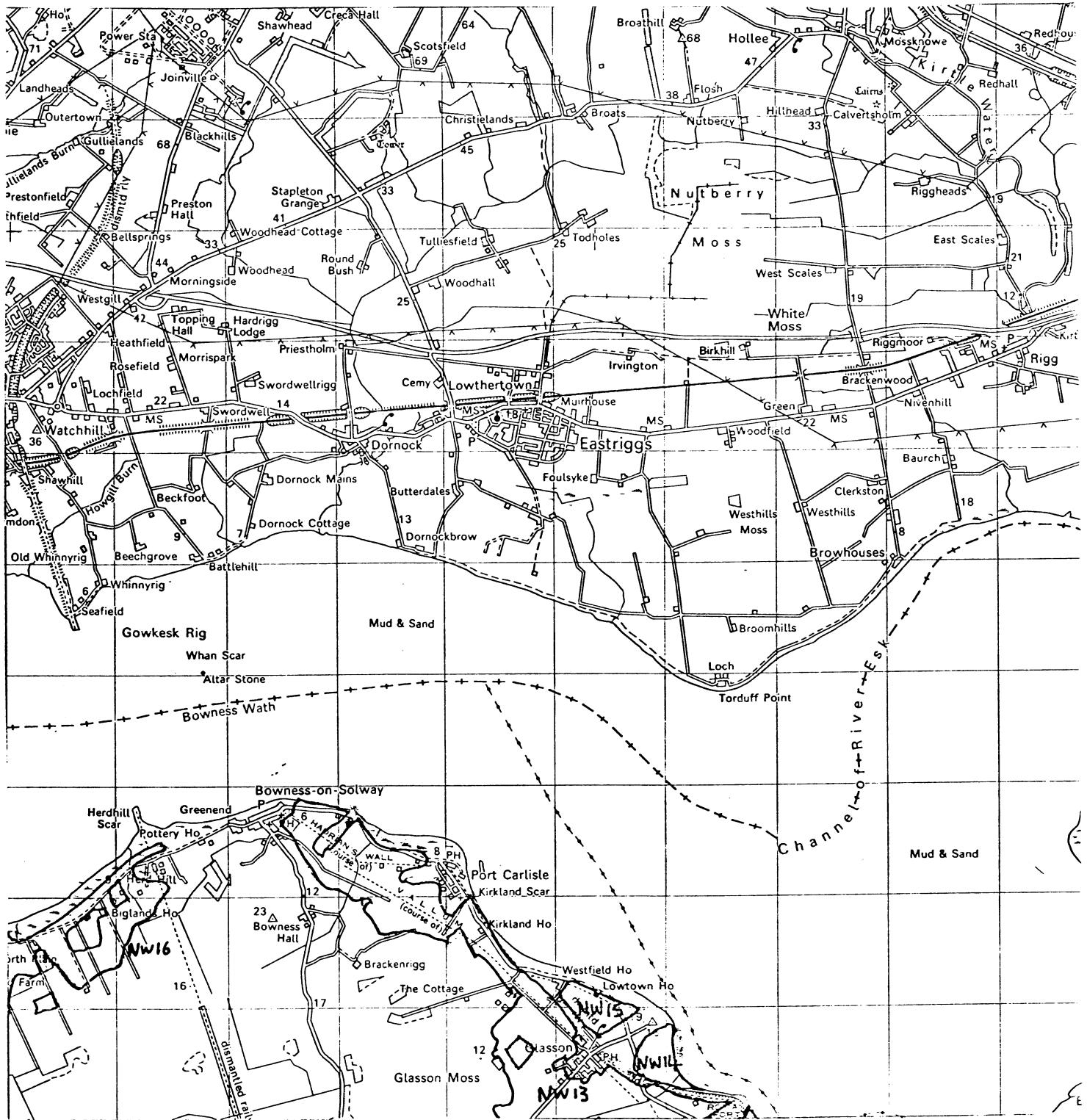
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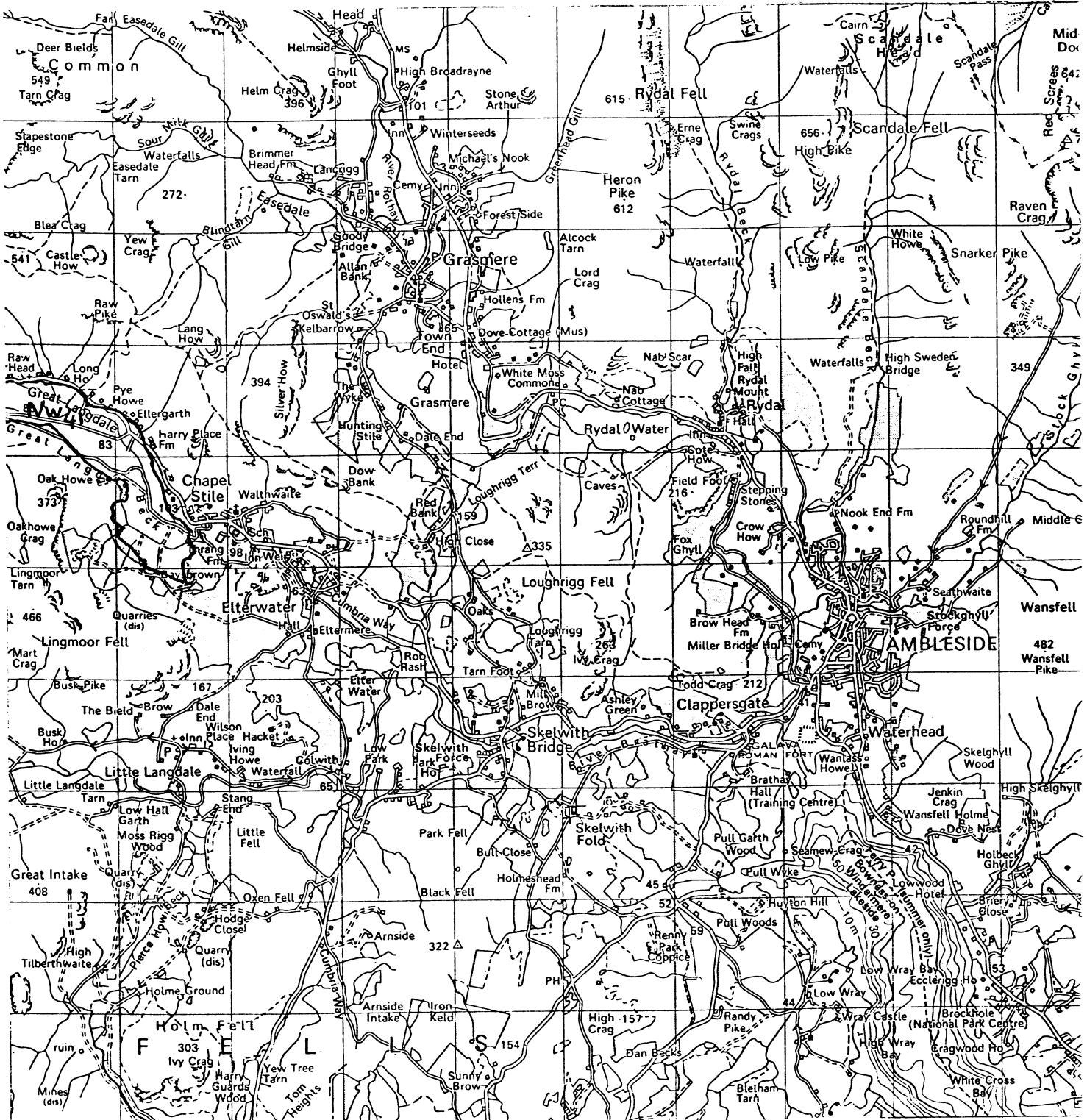
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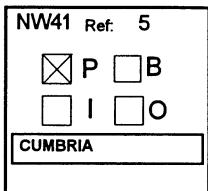


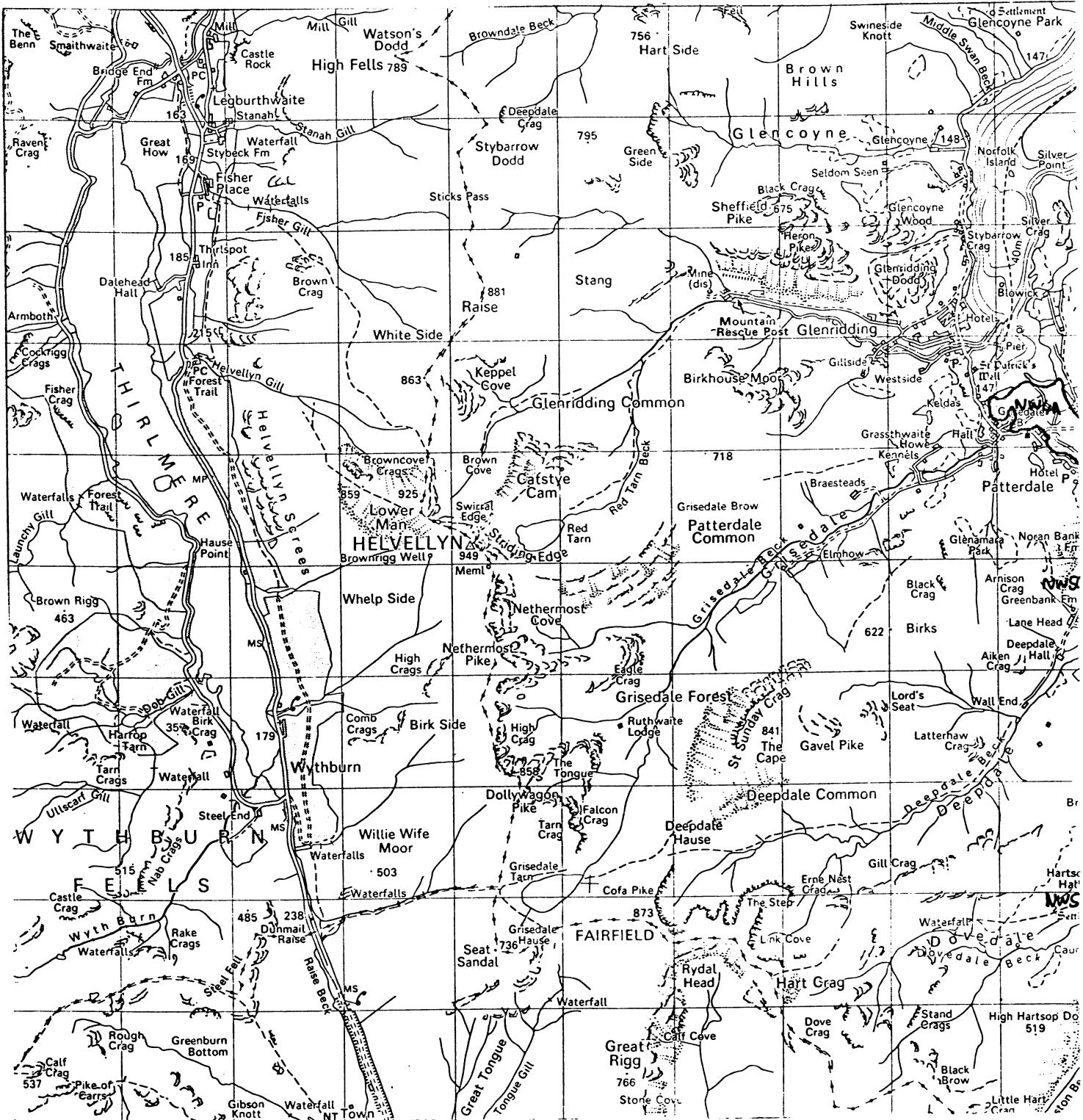


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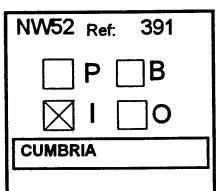


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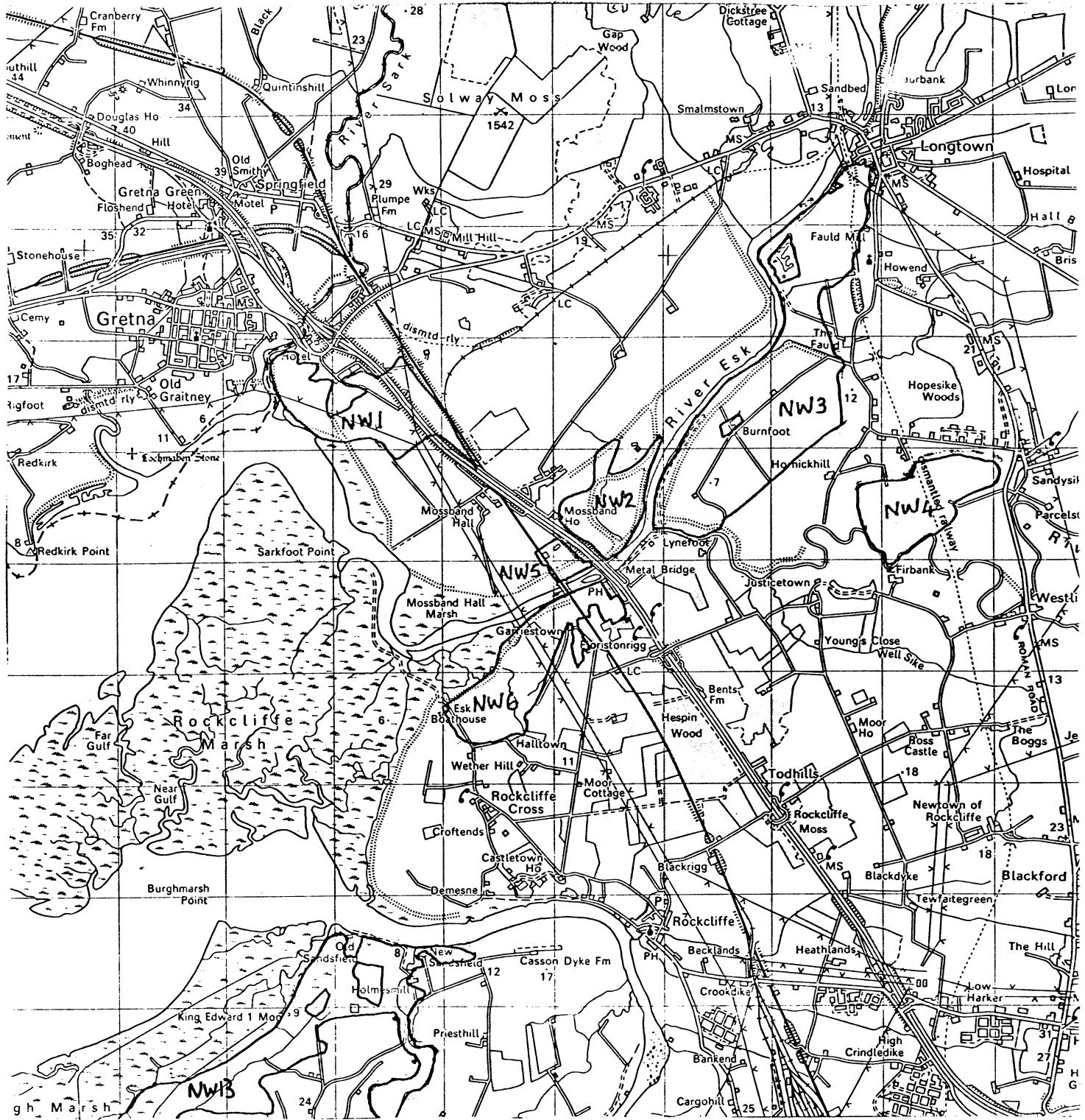


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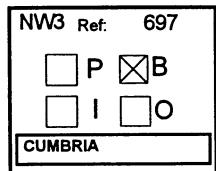
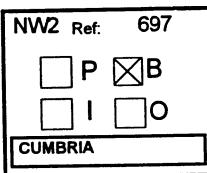


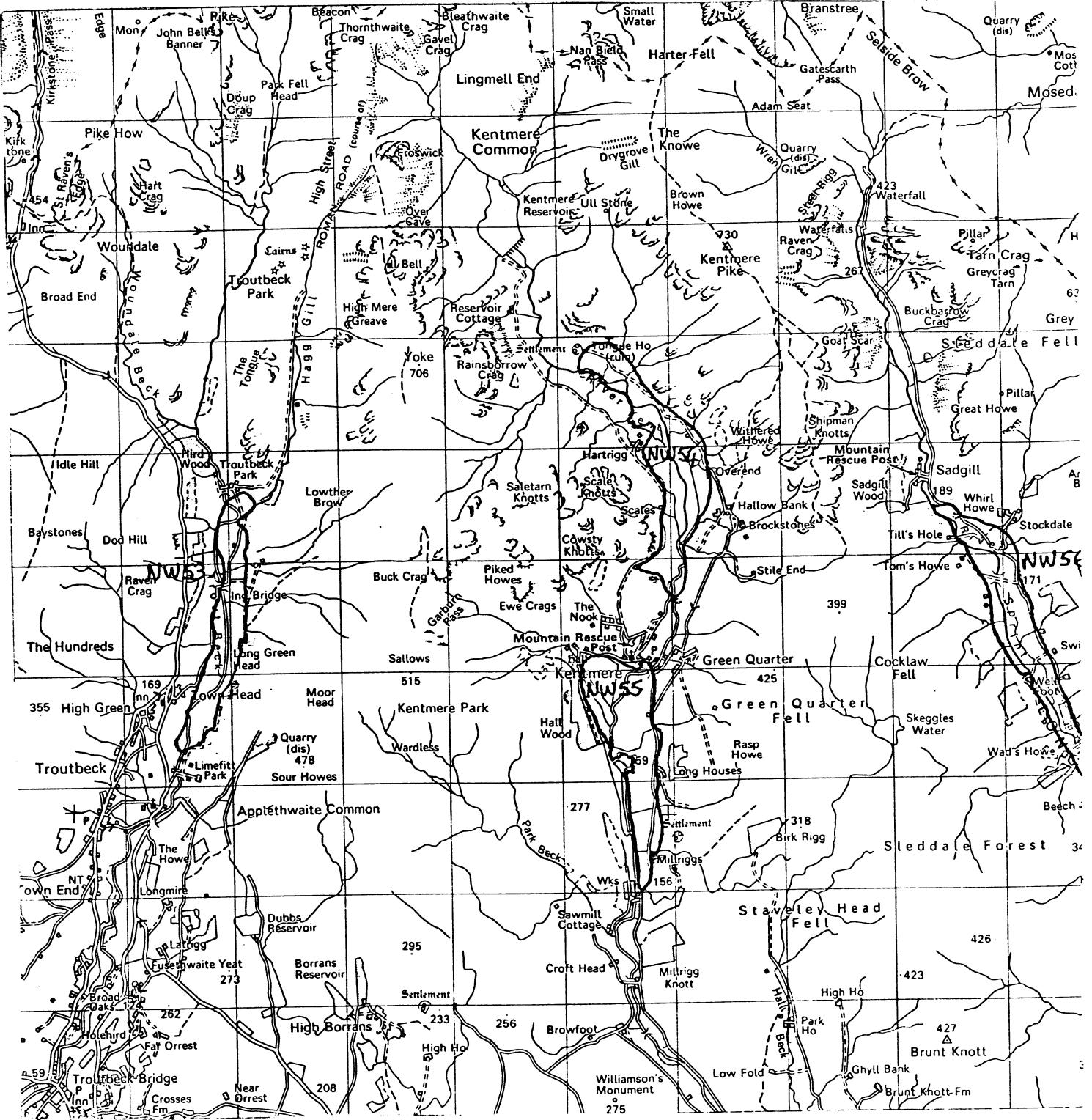


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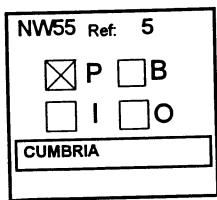
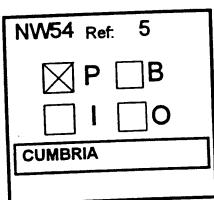


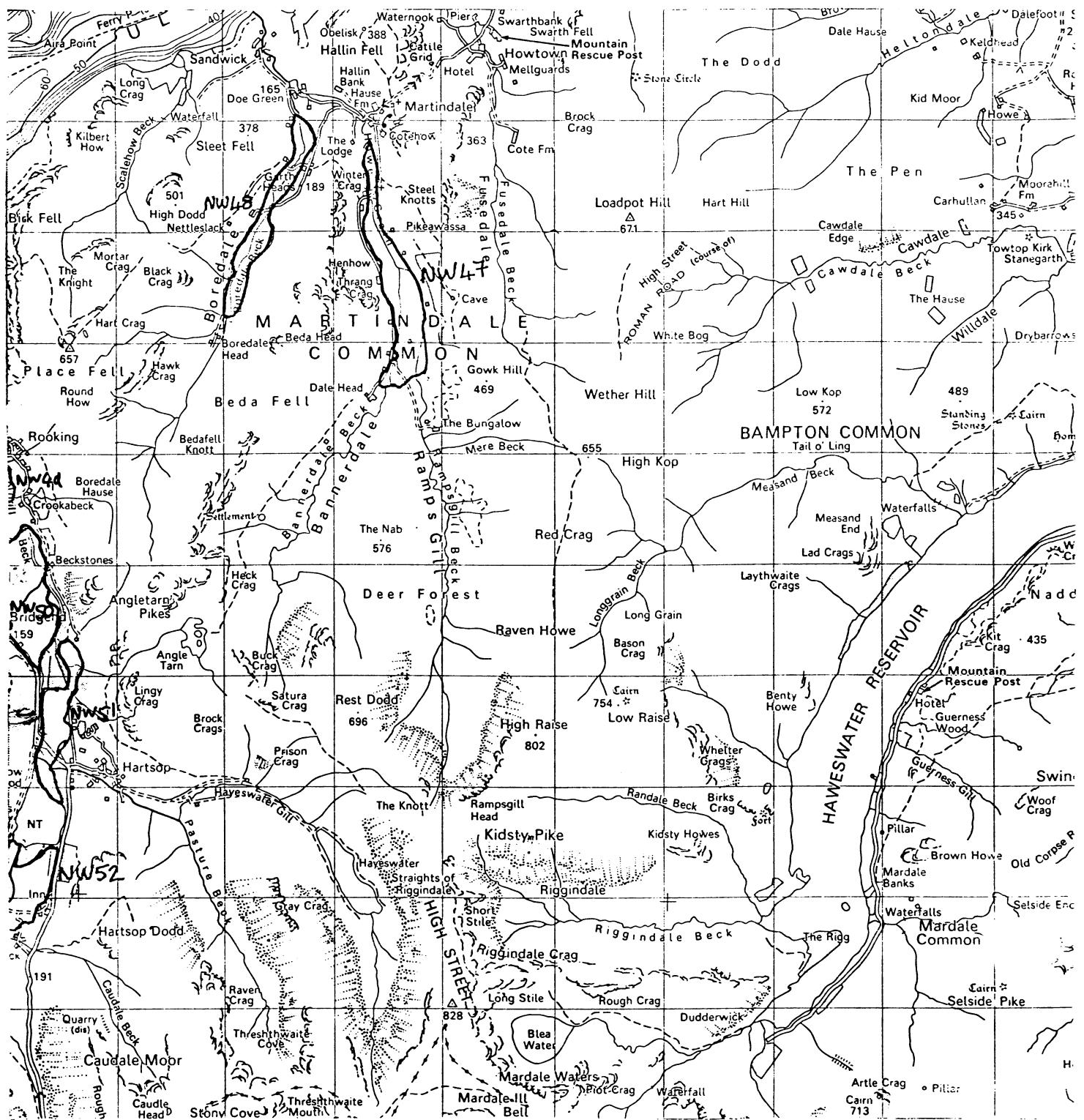
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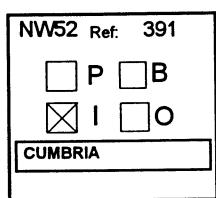


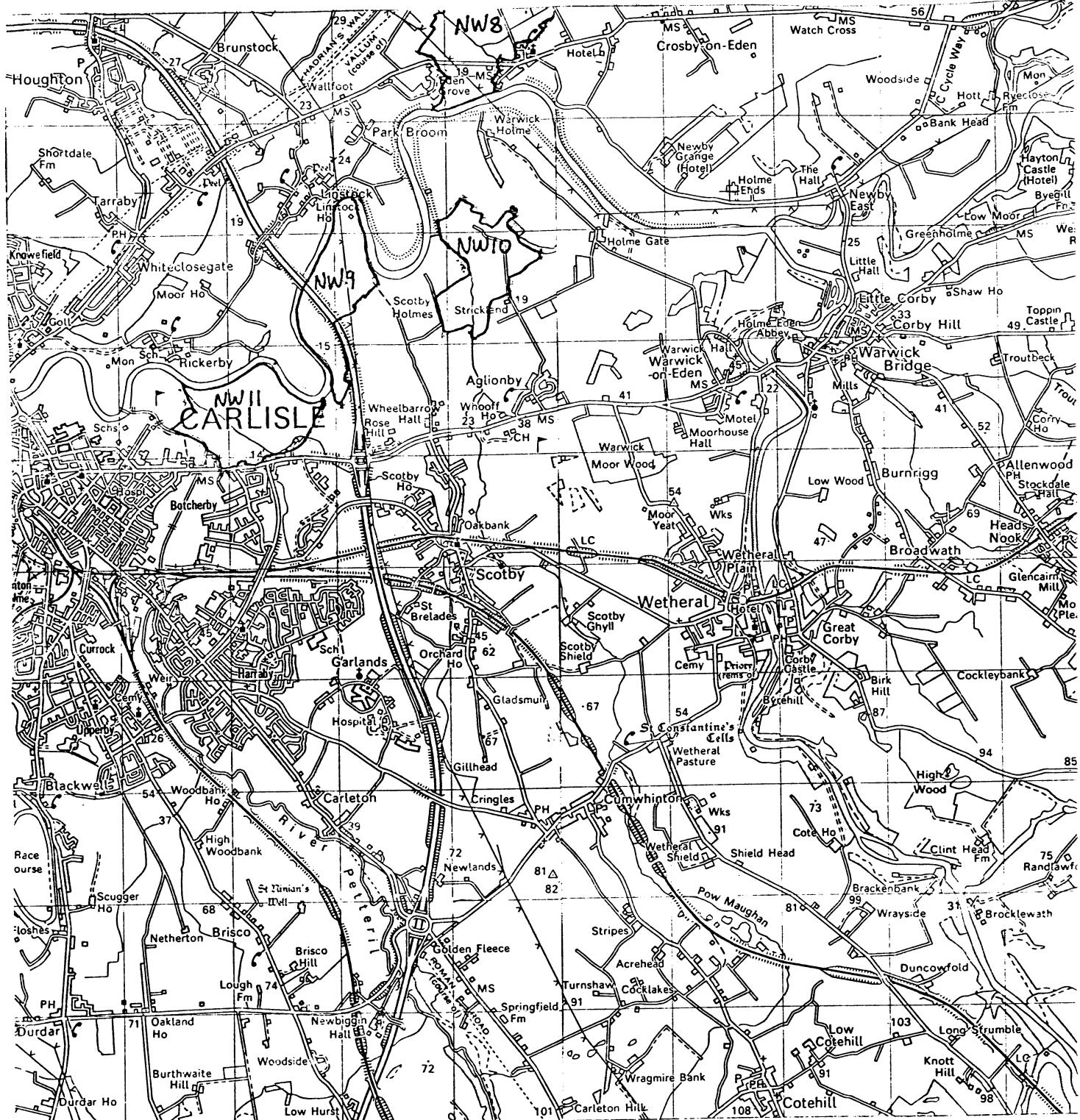
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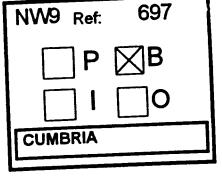
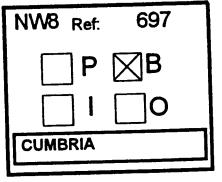
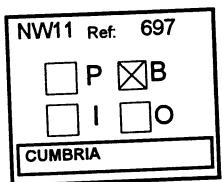
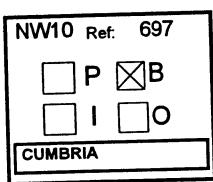


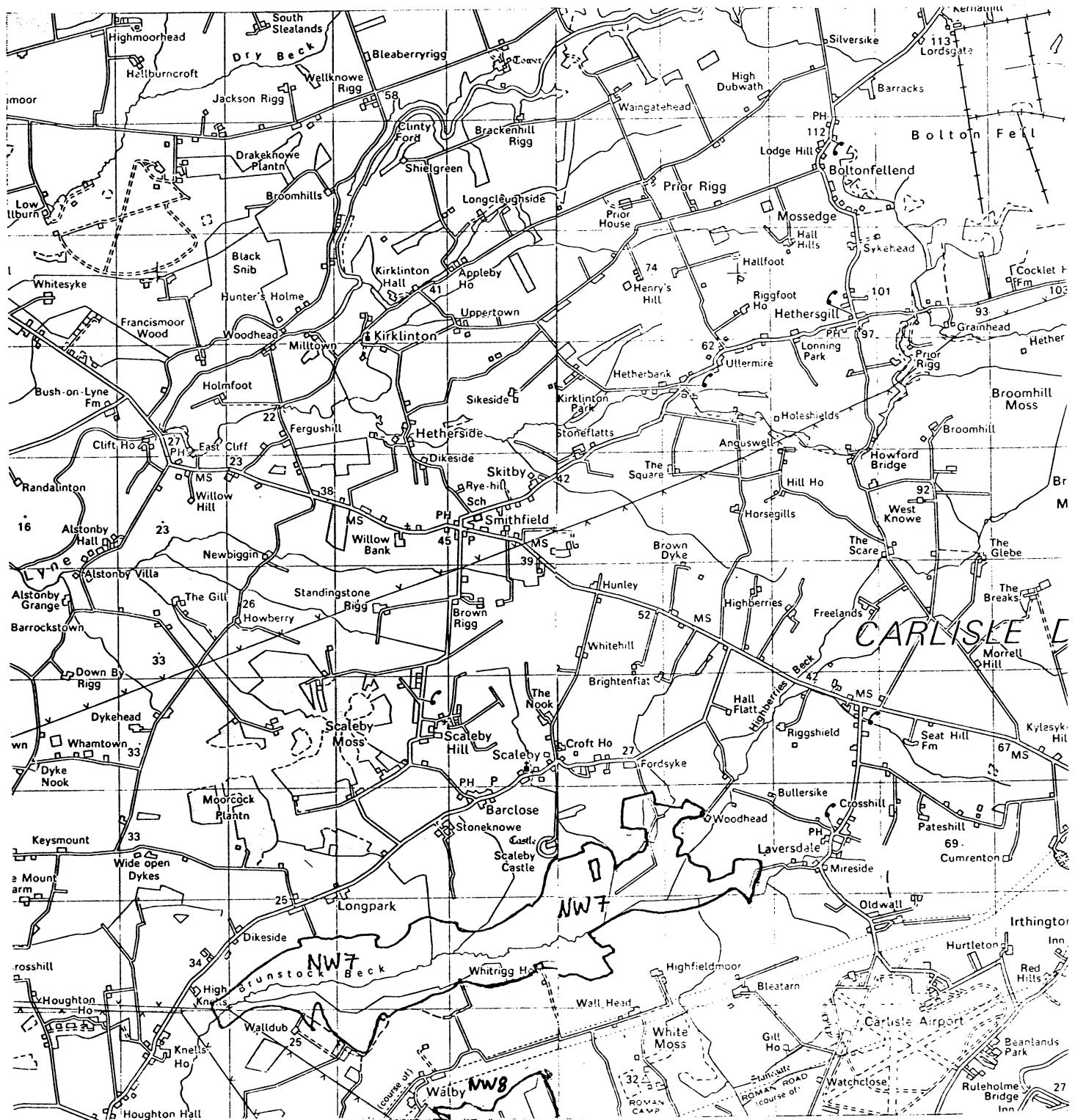
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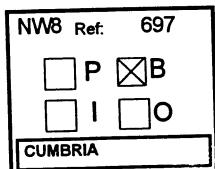
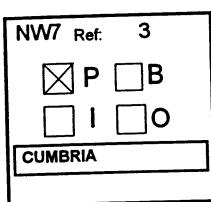


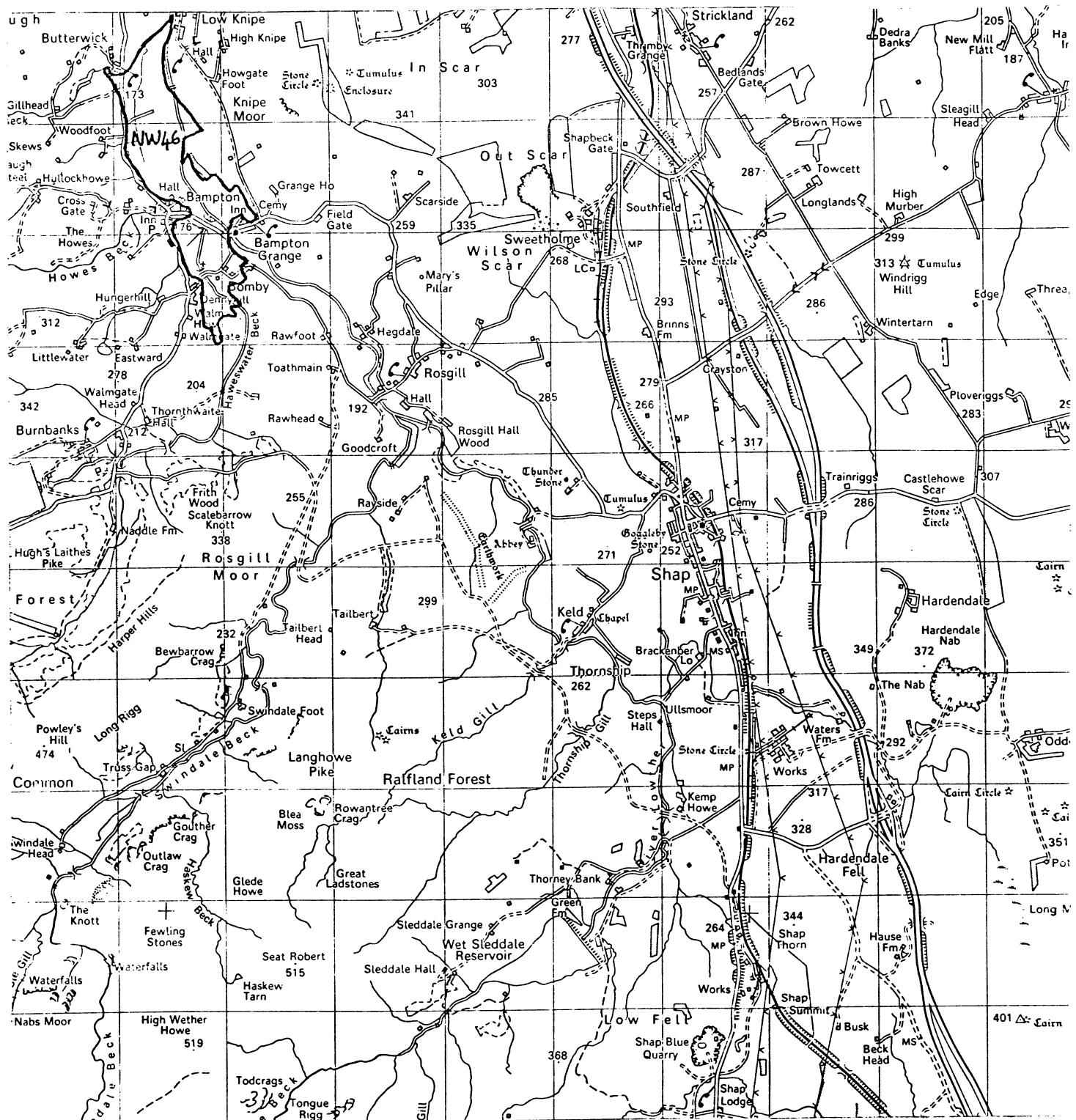
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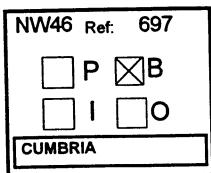


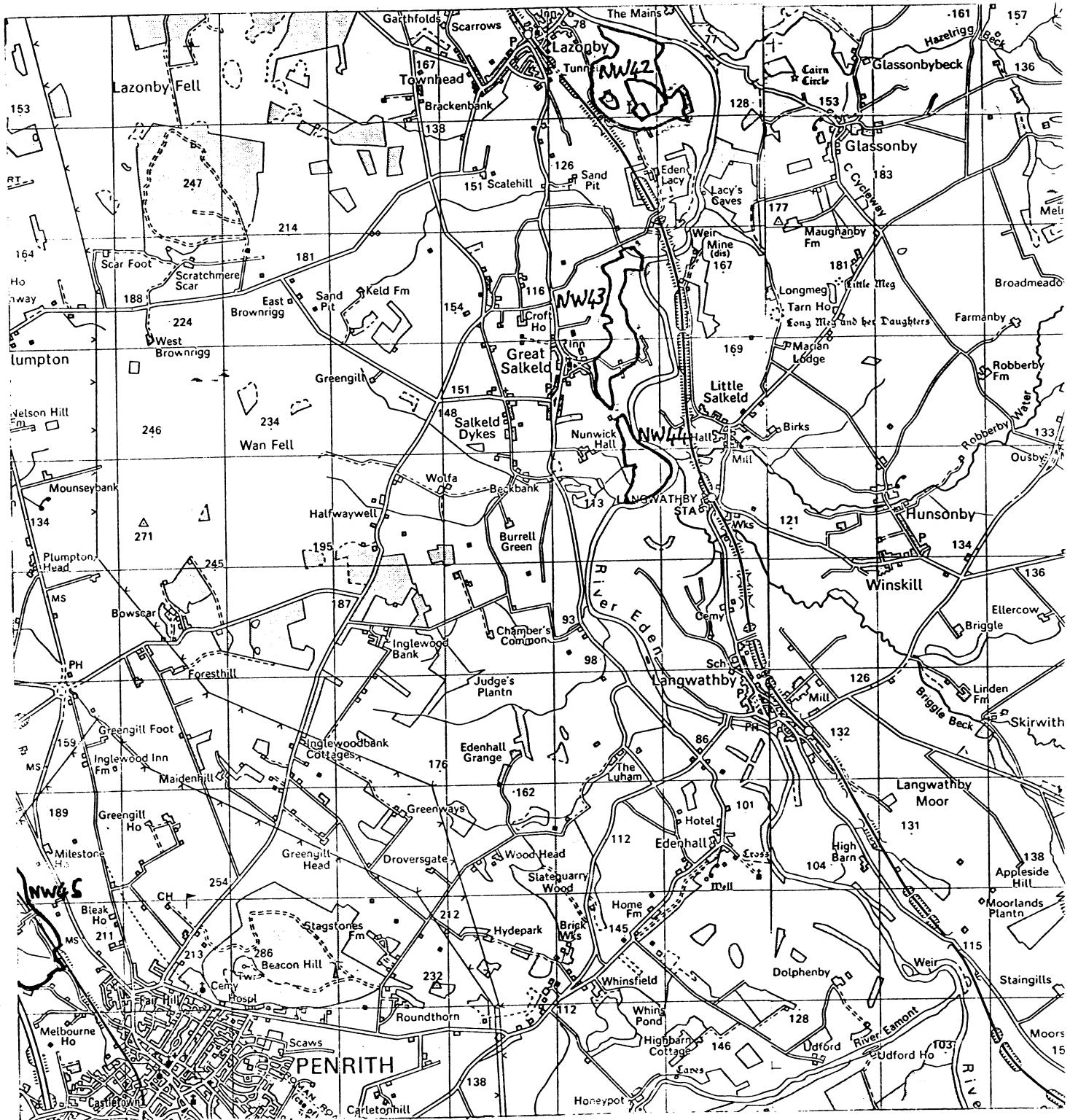
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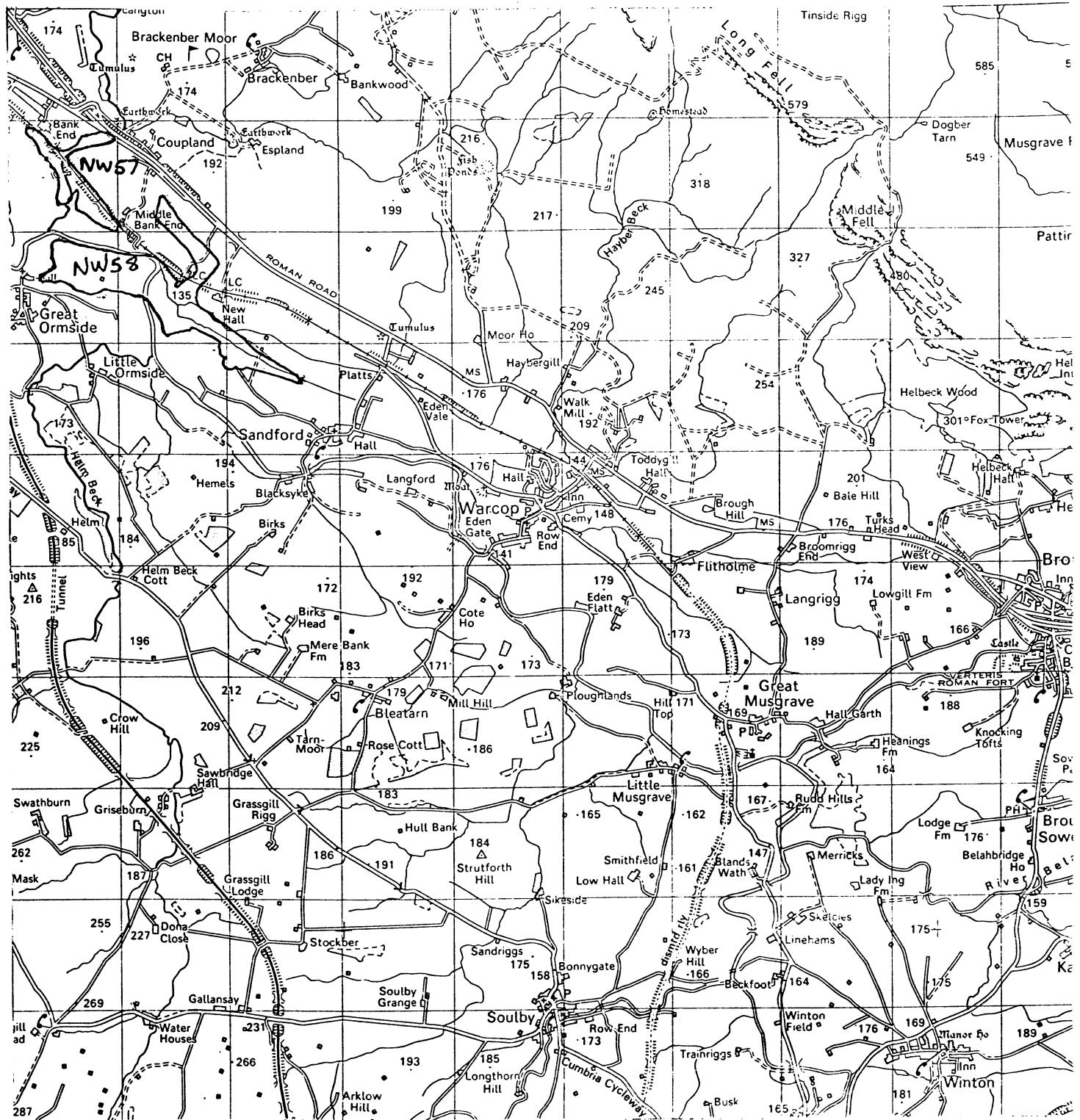




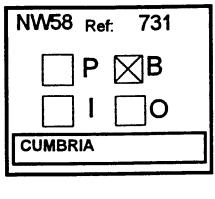
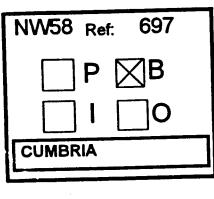
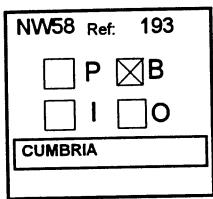
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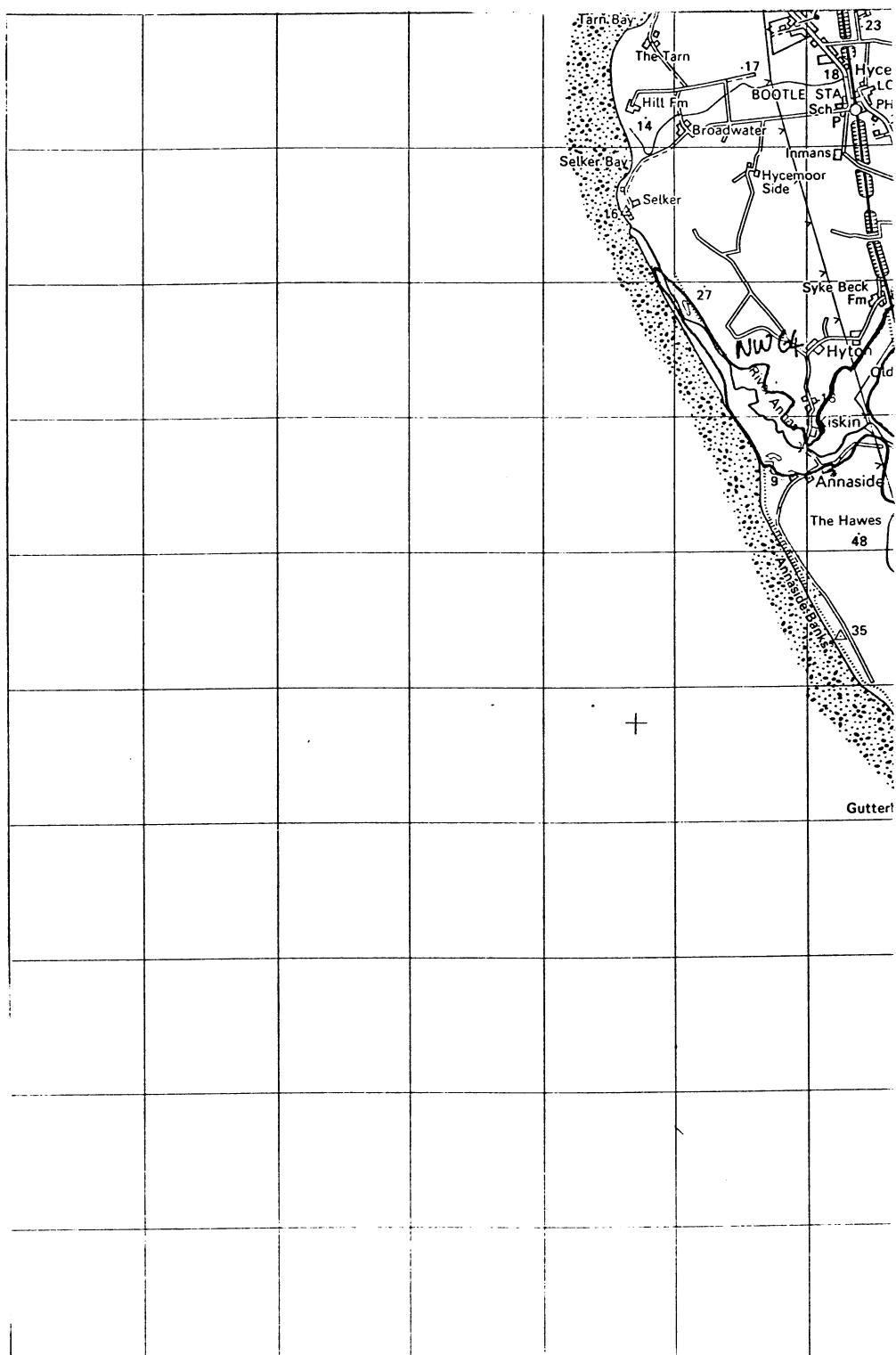




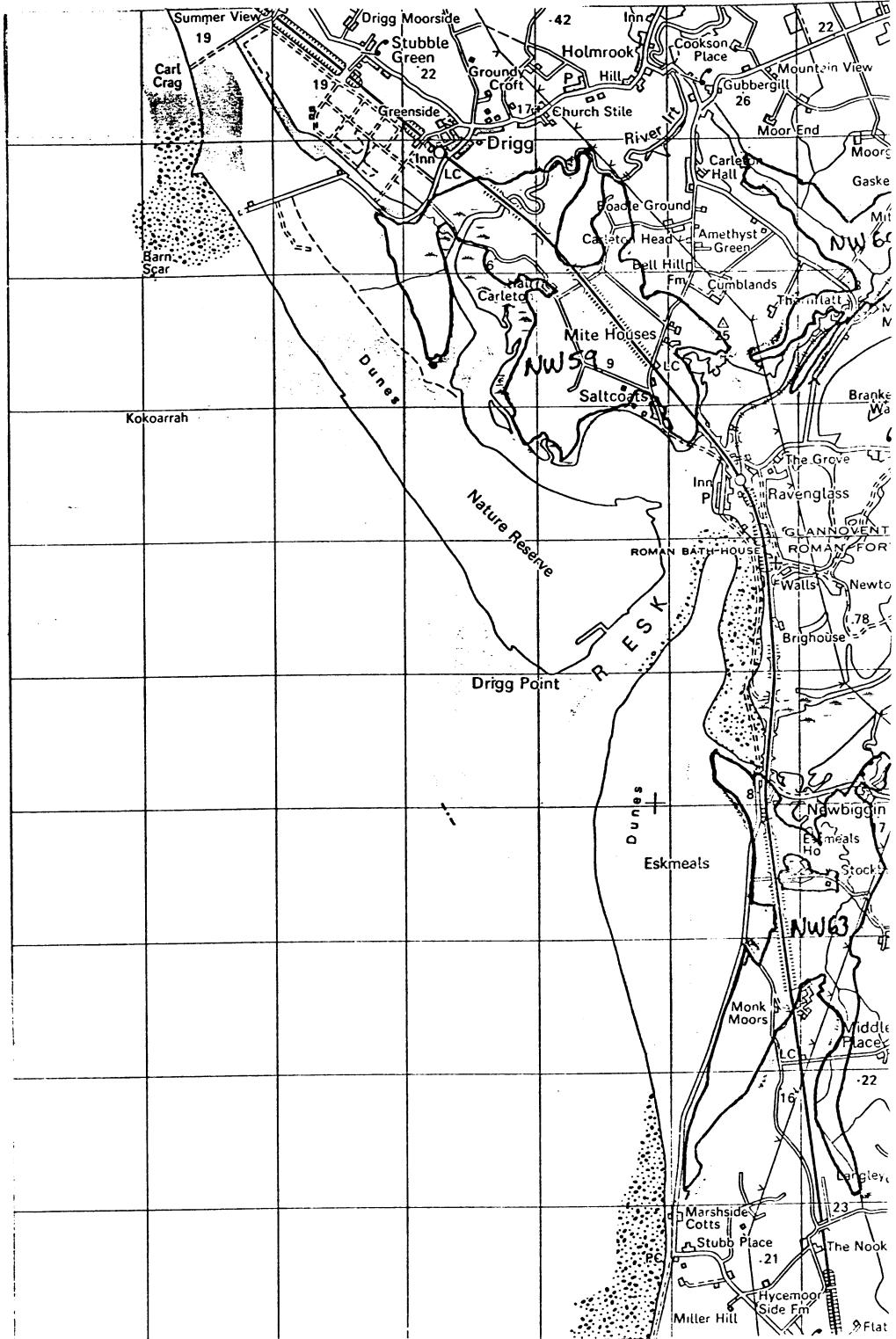


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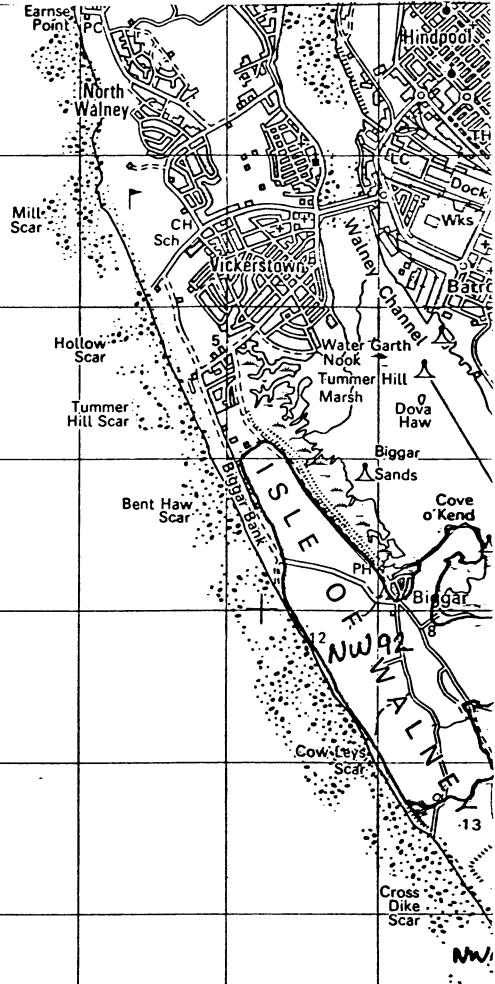
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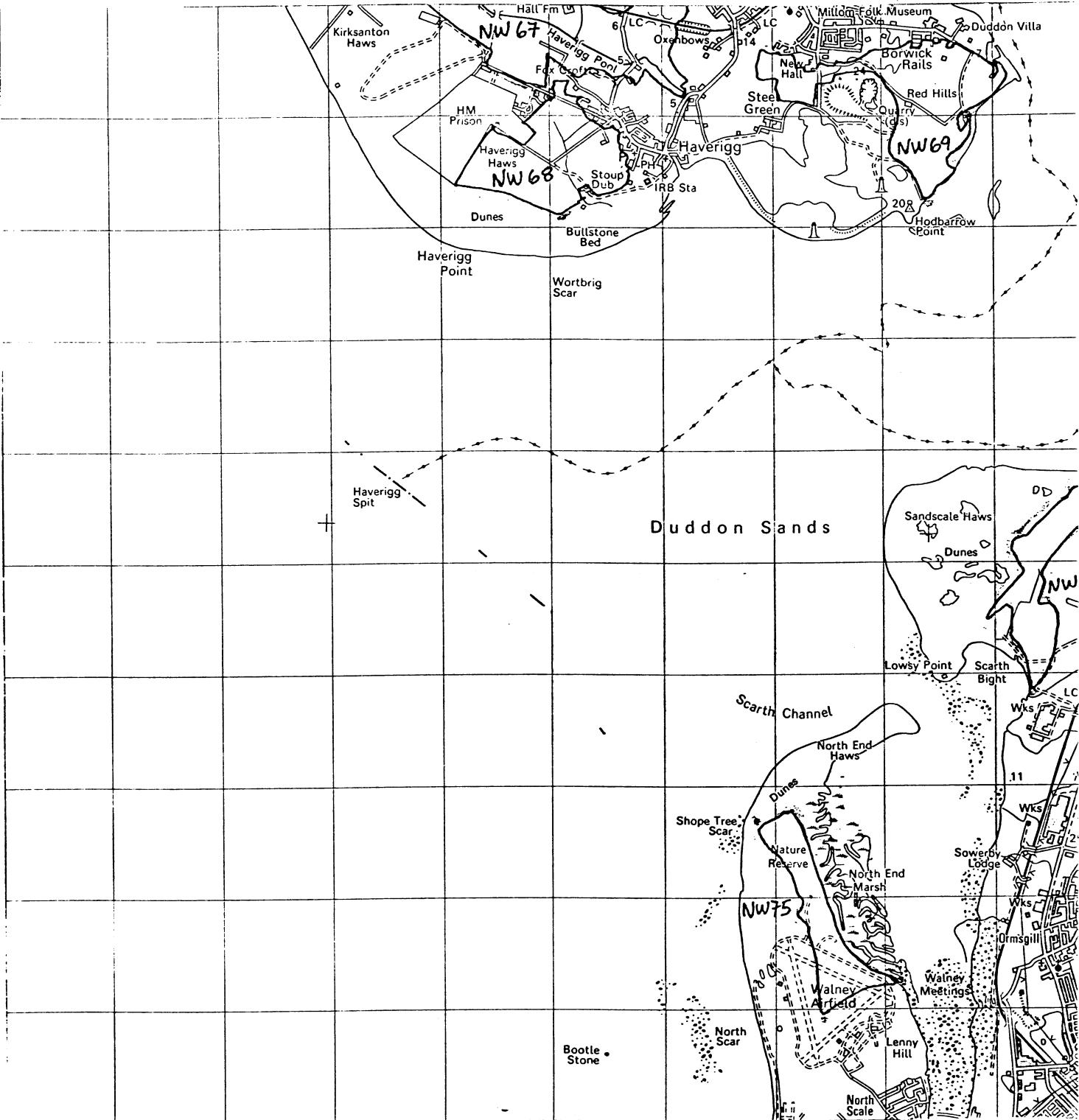
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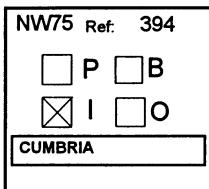
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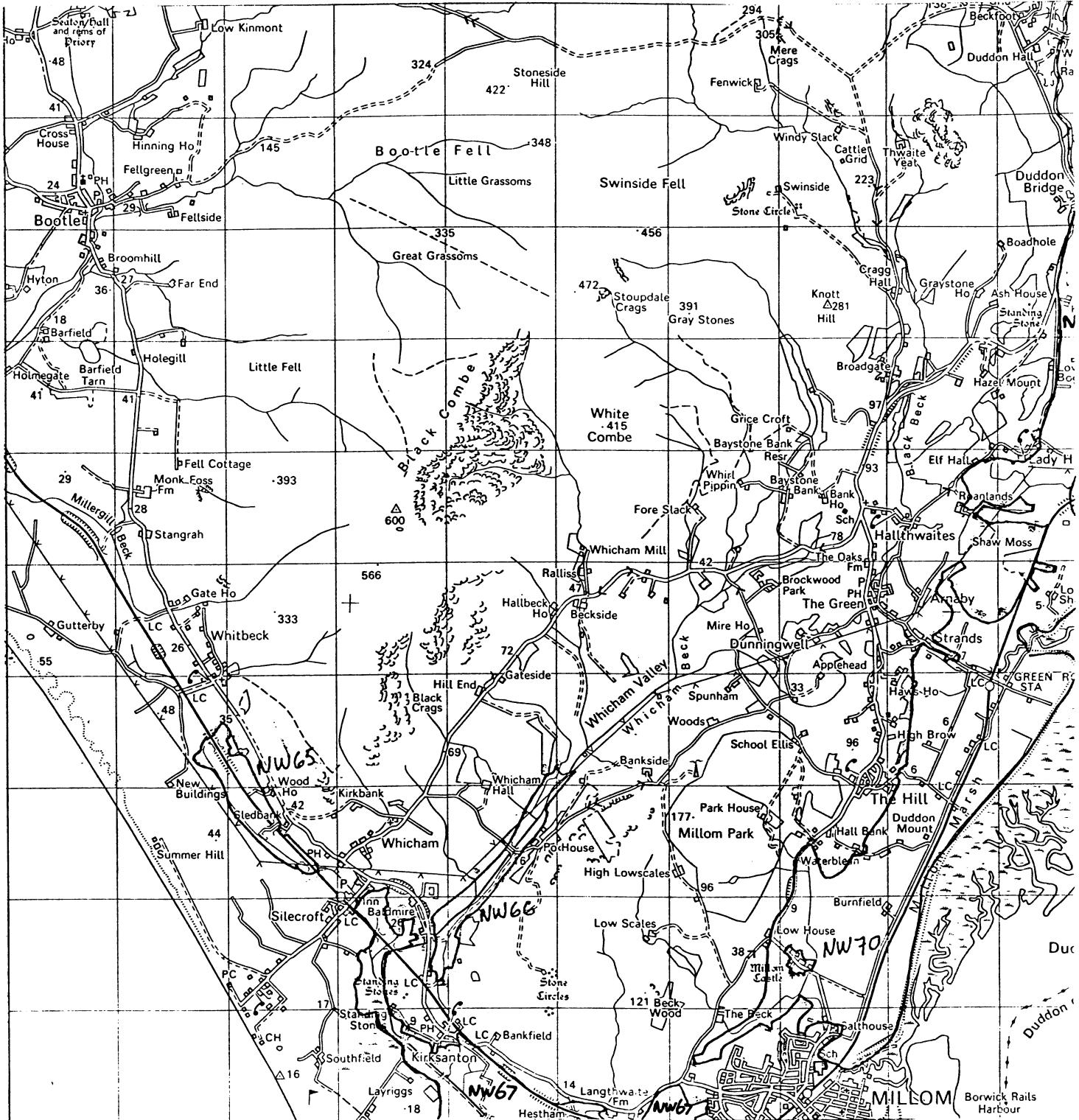


SD16 Sheet 96

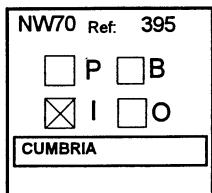
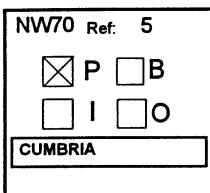


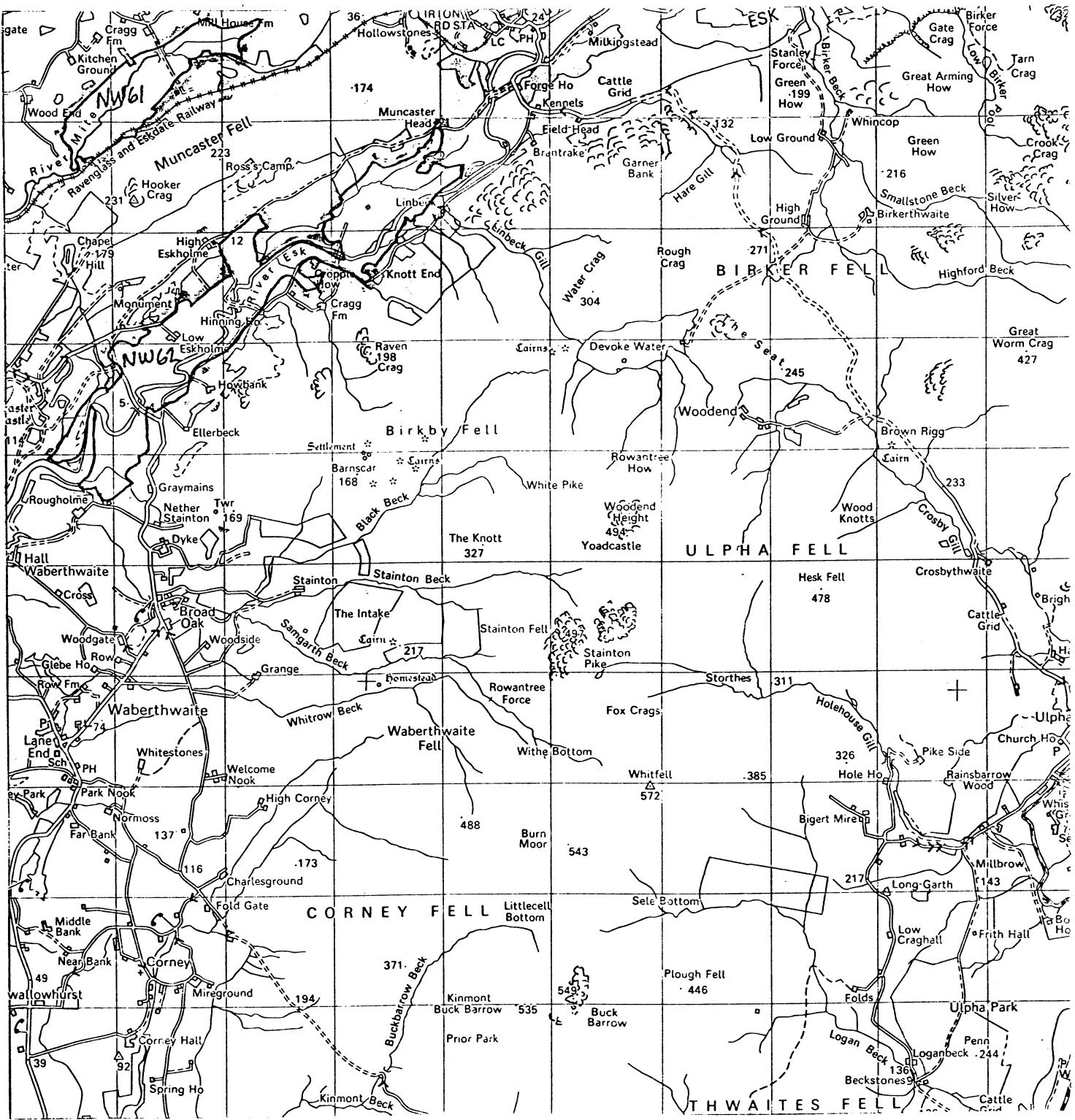
SD17 Sheet 96





SD18 Sheet 96





SD19 Sheet 96

NW62 Ref. 393

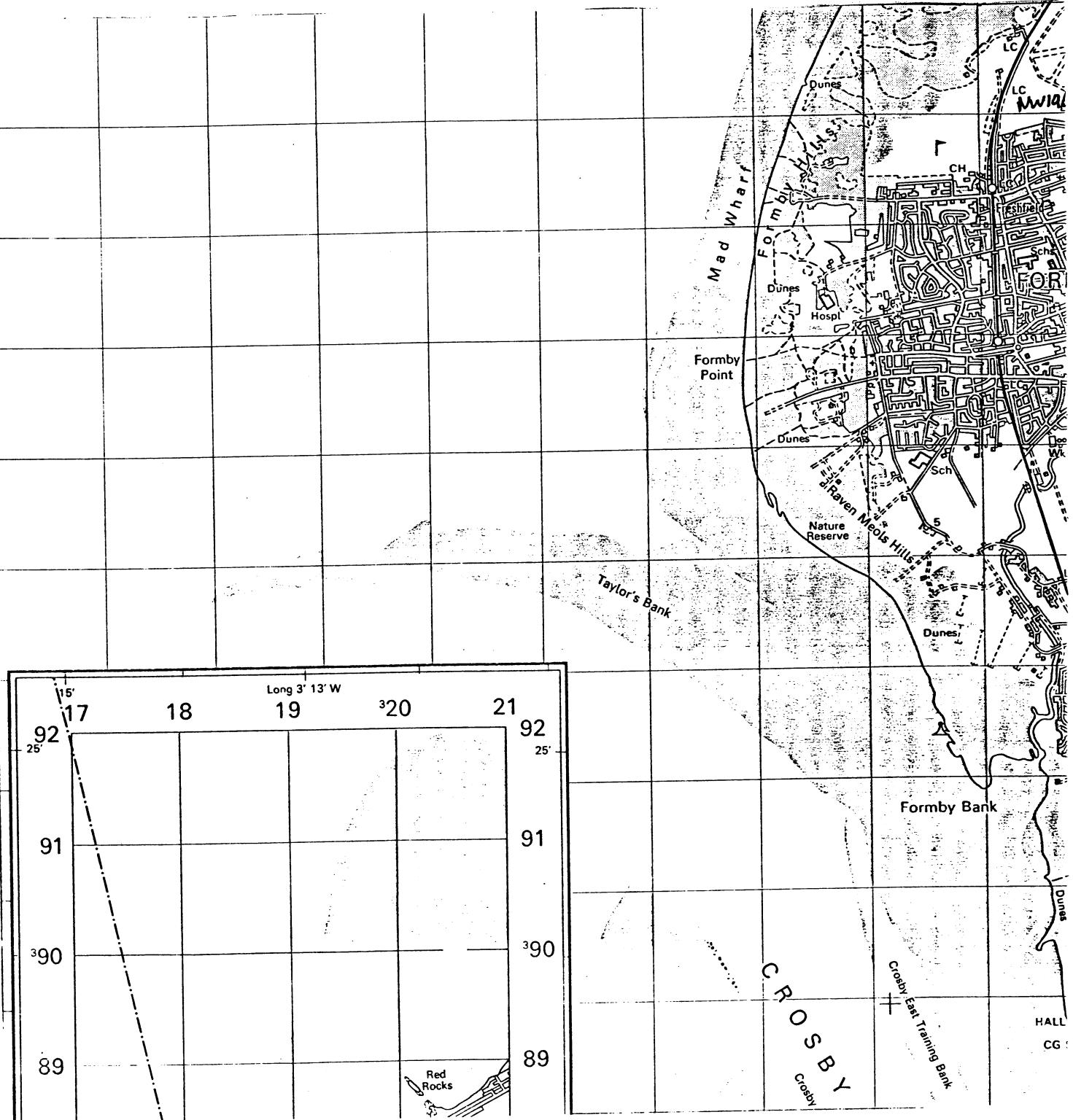
P B
 I O

CUMBRIA

NW62 Ref. 697

P B
 I O

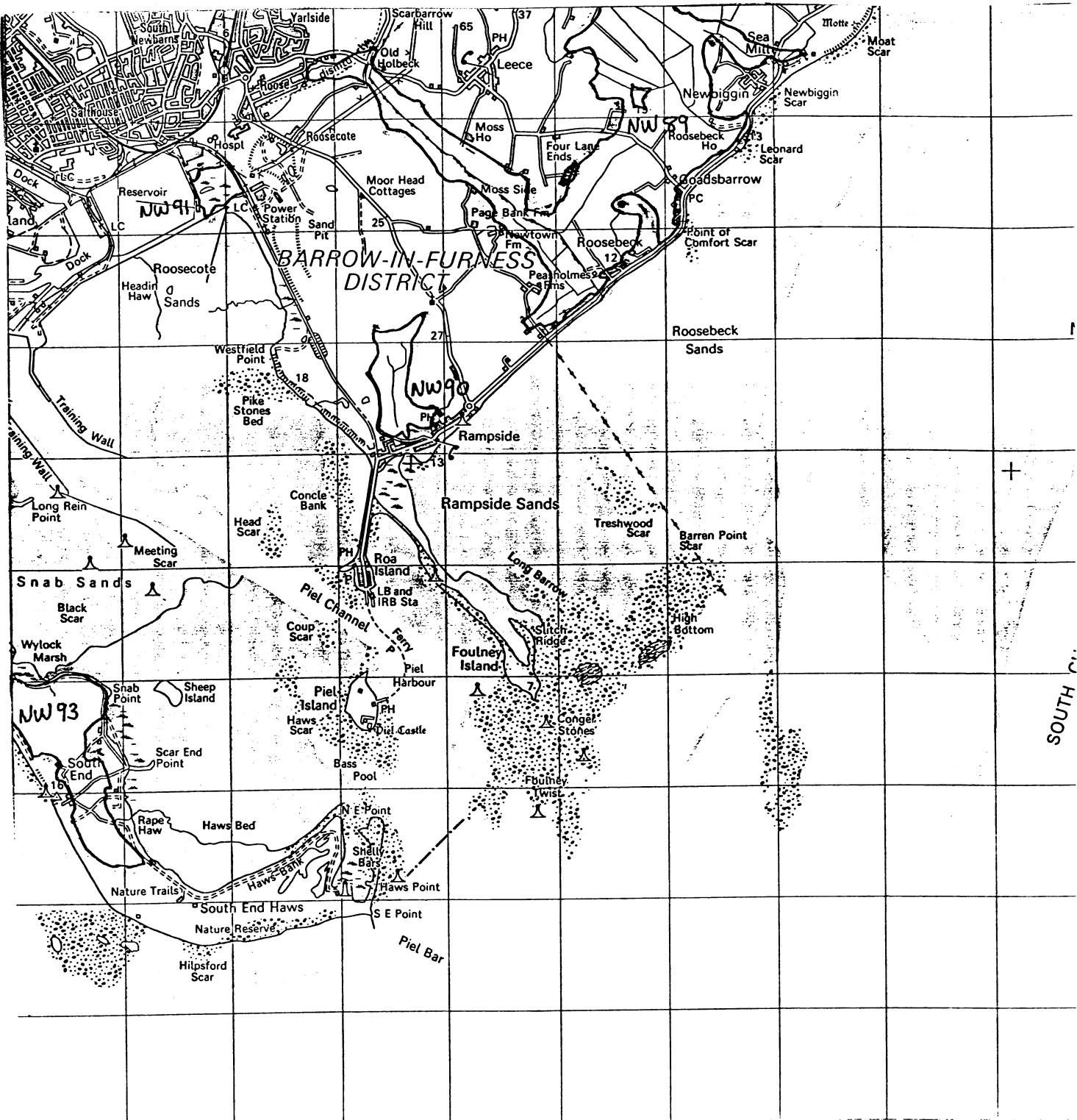
CUMBRIA



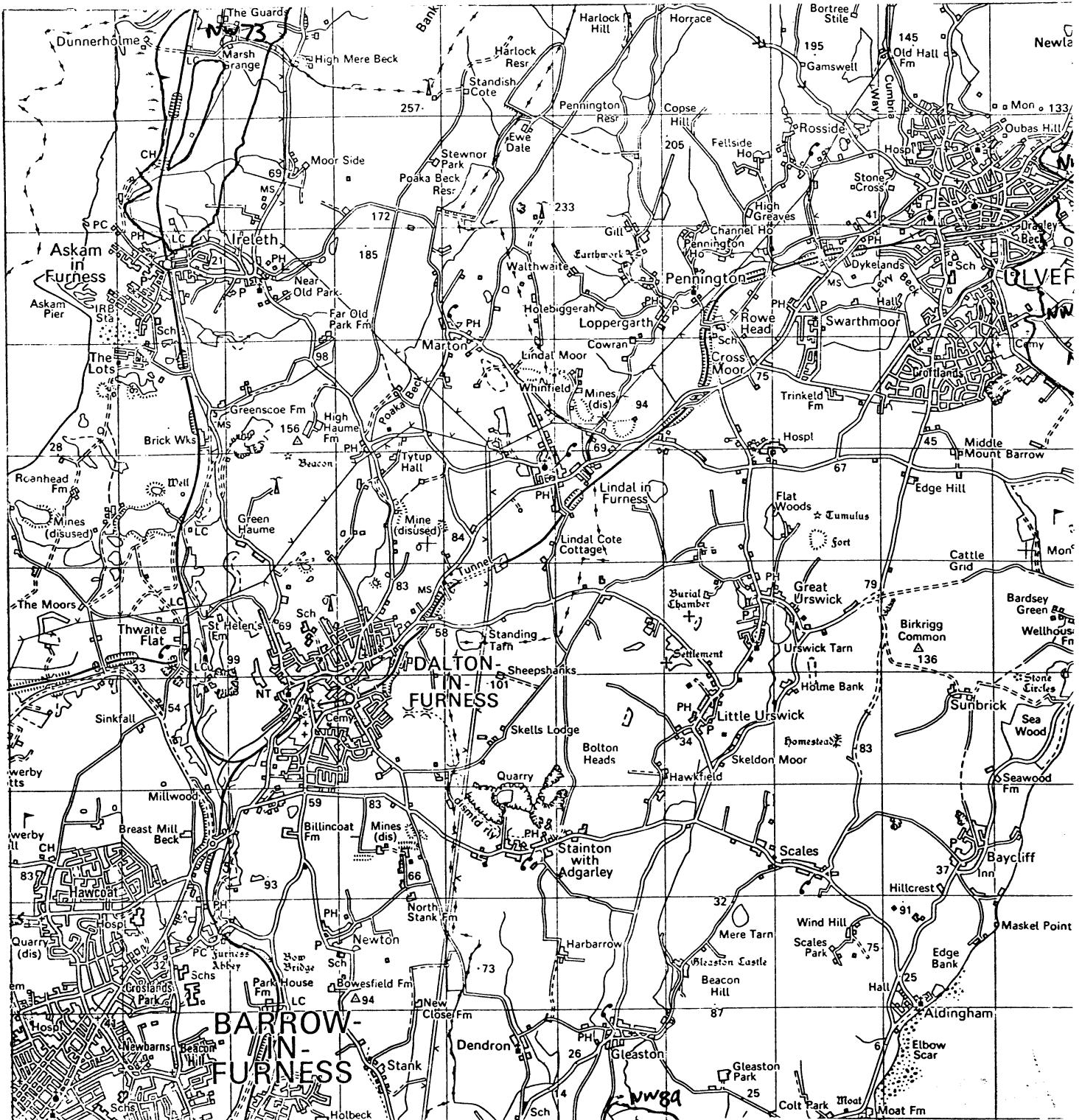
NW196 Ref. 7	
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<input type="checkbox"/> I	<input type="checkbox"/> O
LANCASHIRE	

NW196 Ref. 397	
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<input checked="" type="checkbox"/> I	<input type="checkbox"/> O
LANCASHIRE	

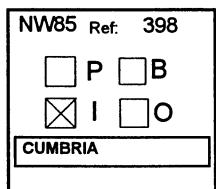
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<input type="checkbox"/> I	<input type="checkbox"/> O
LANCASHIRE	

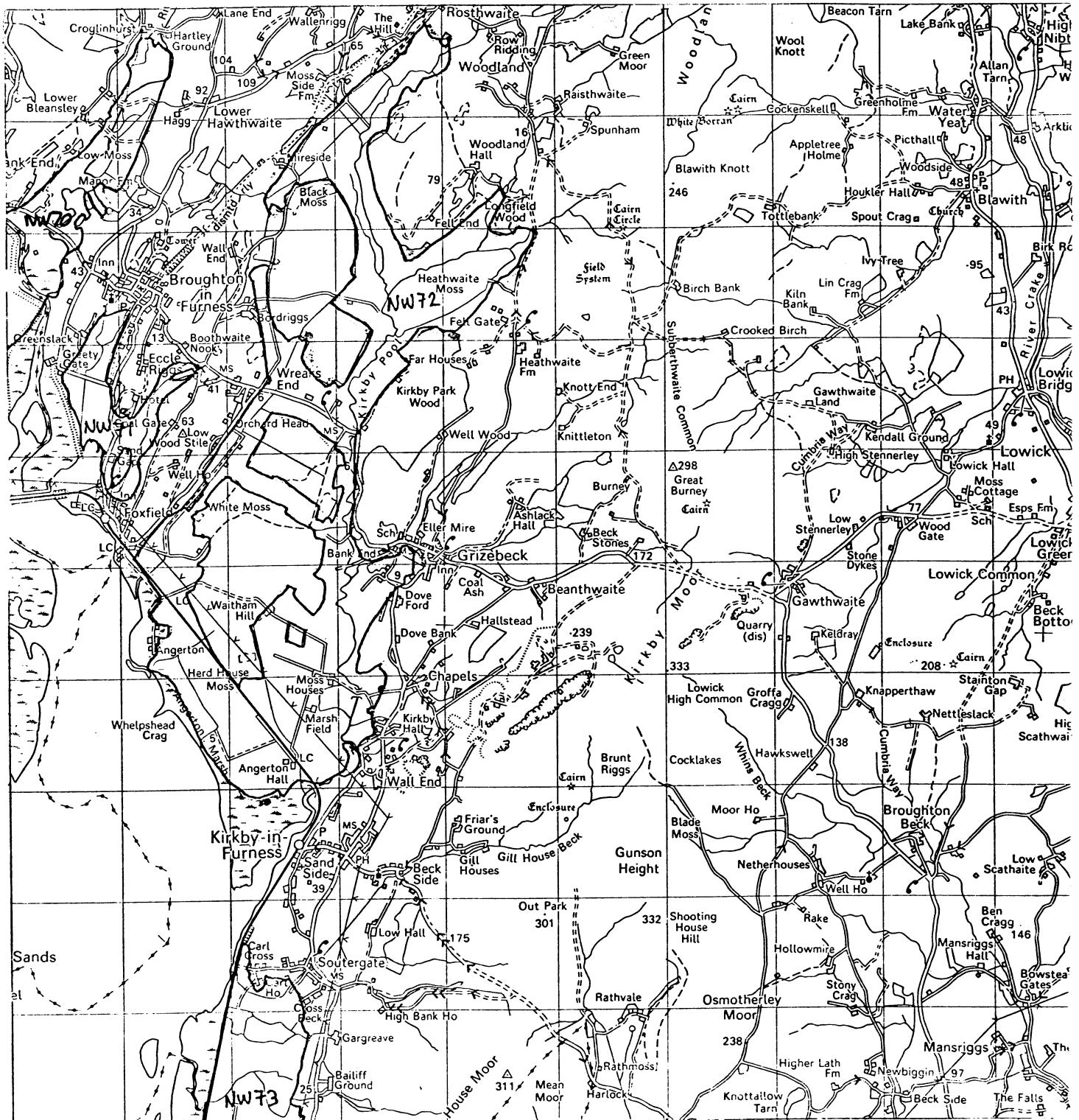


SD26 Sheet 96

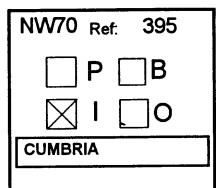
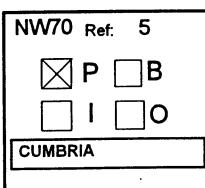
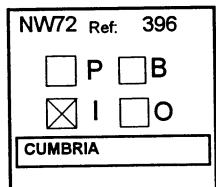
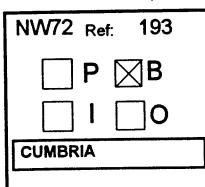


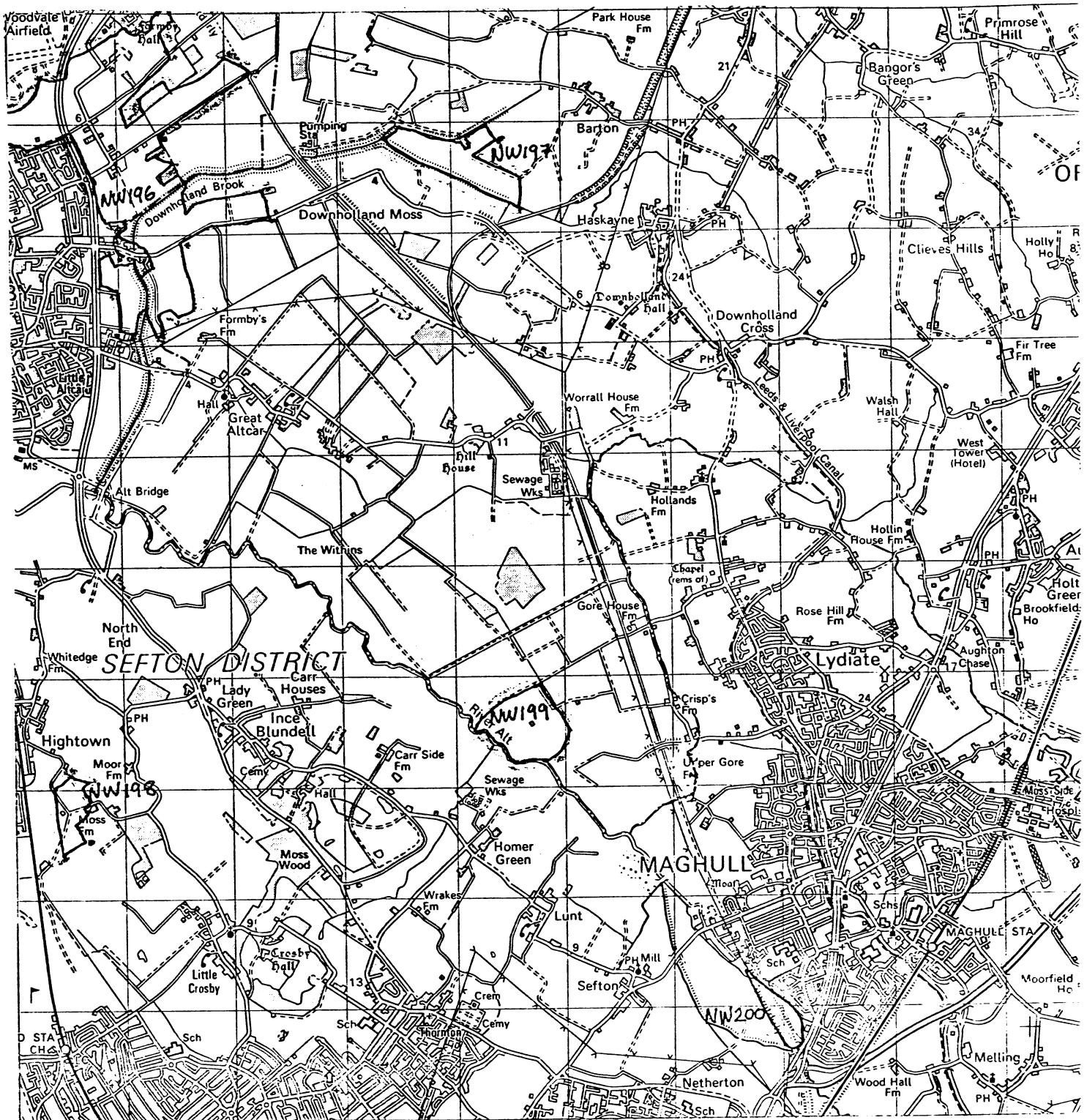
SD27 Sheet 96



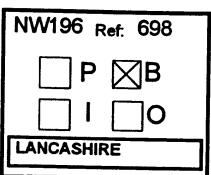
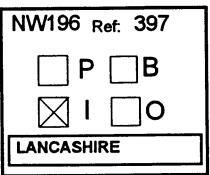
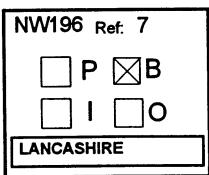


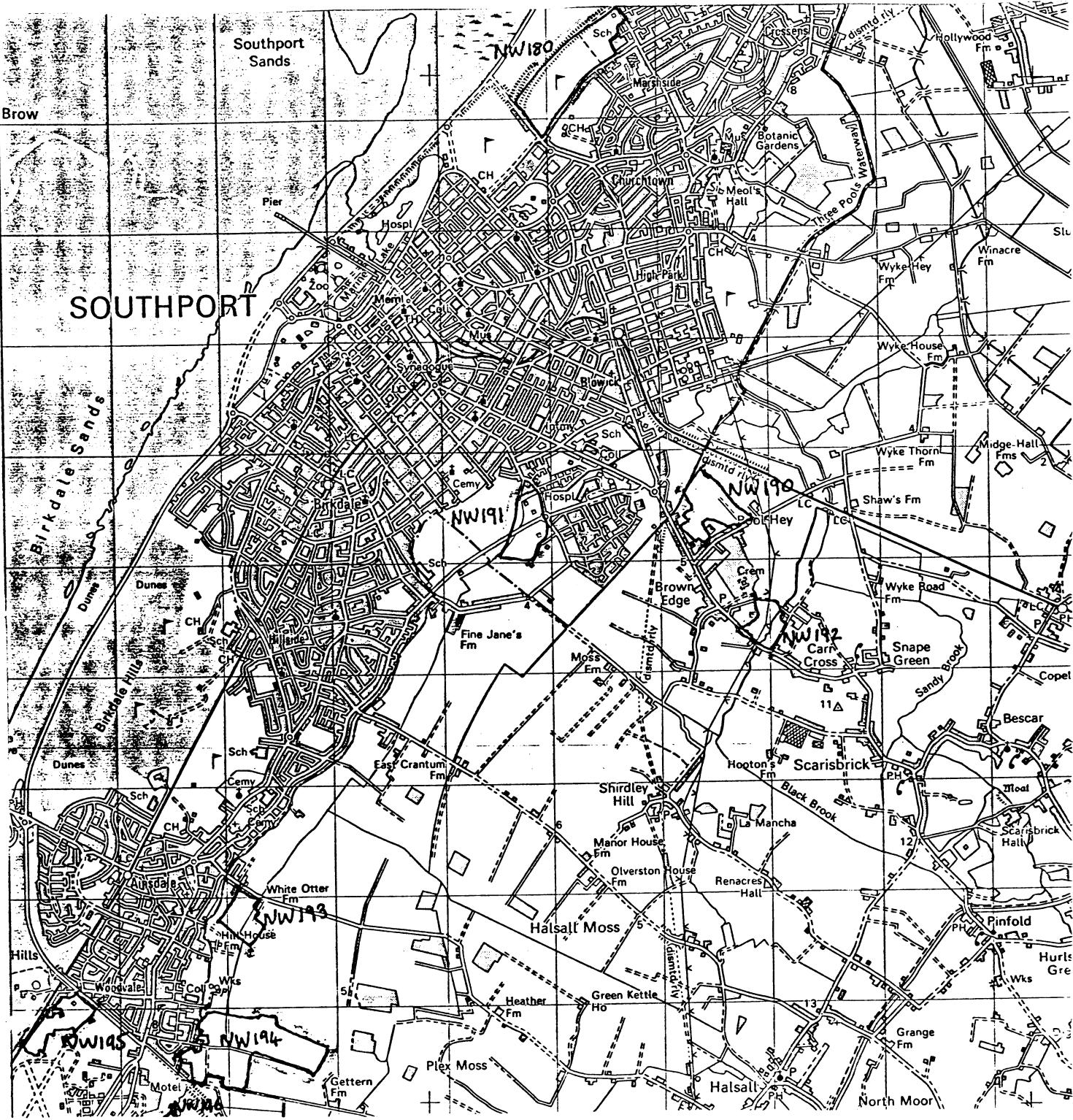
SD28 Sheet 96



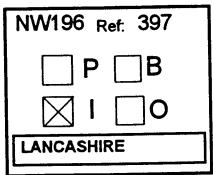
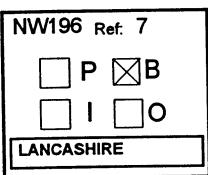


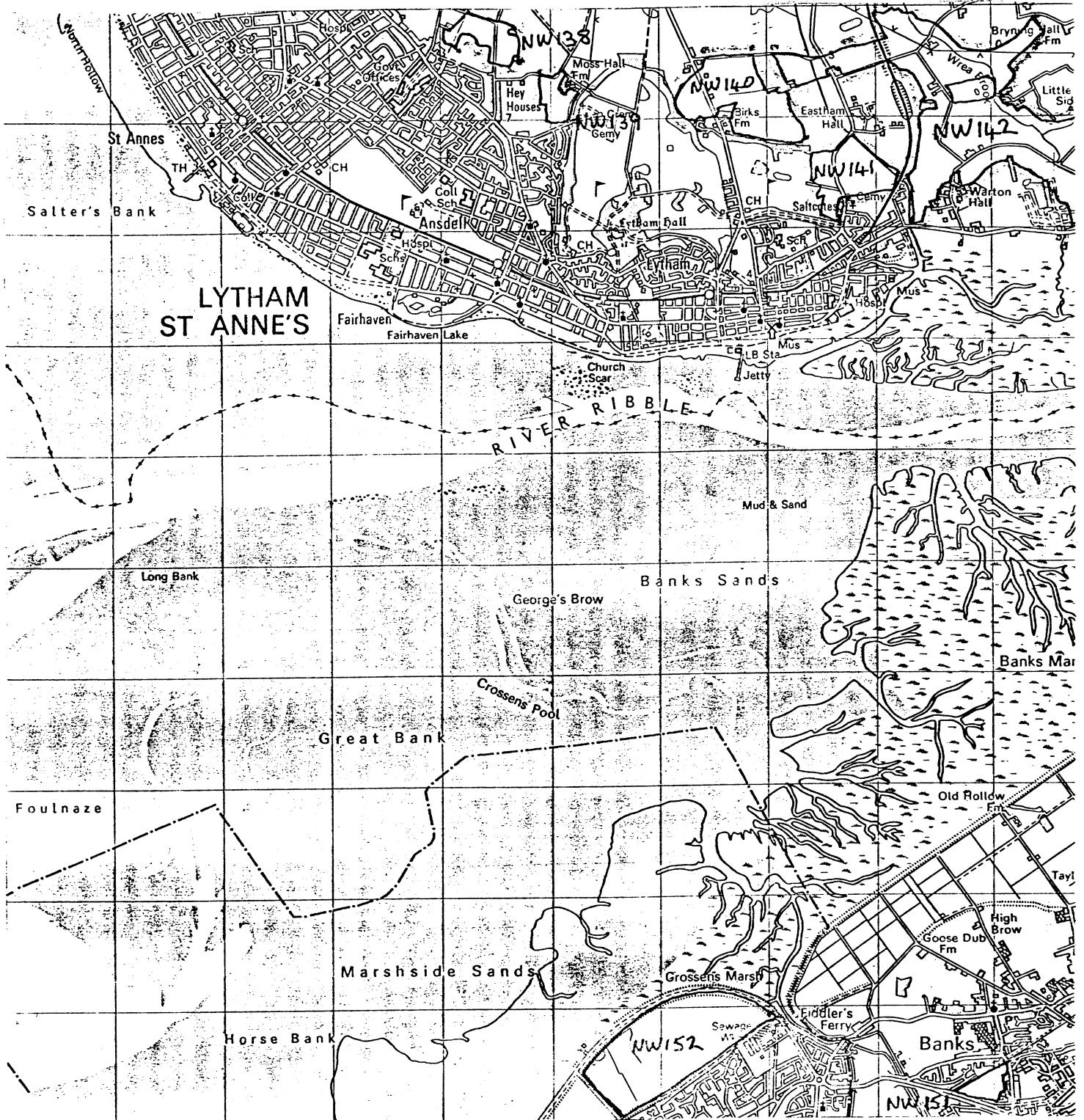
SD30 Sheet 108





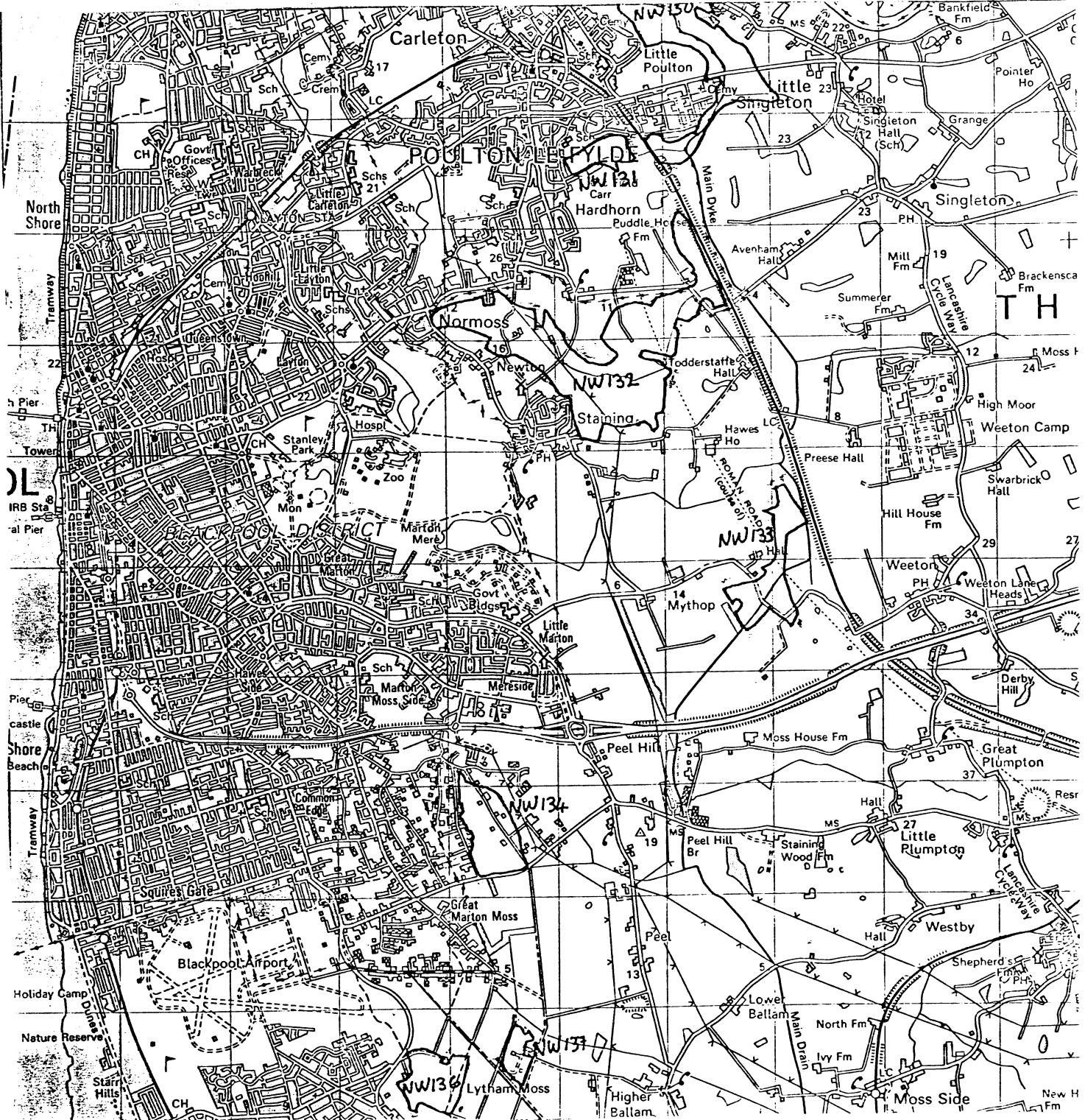
SD31 Sheet 108



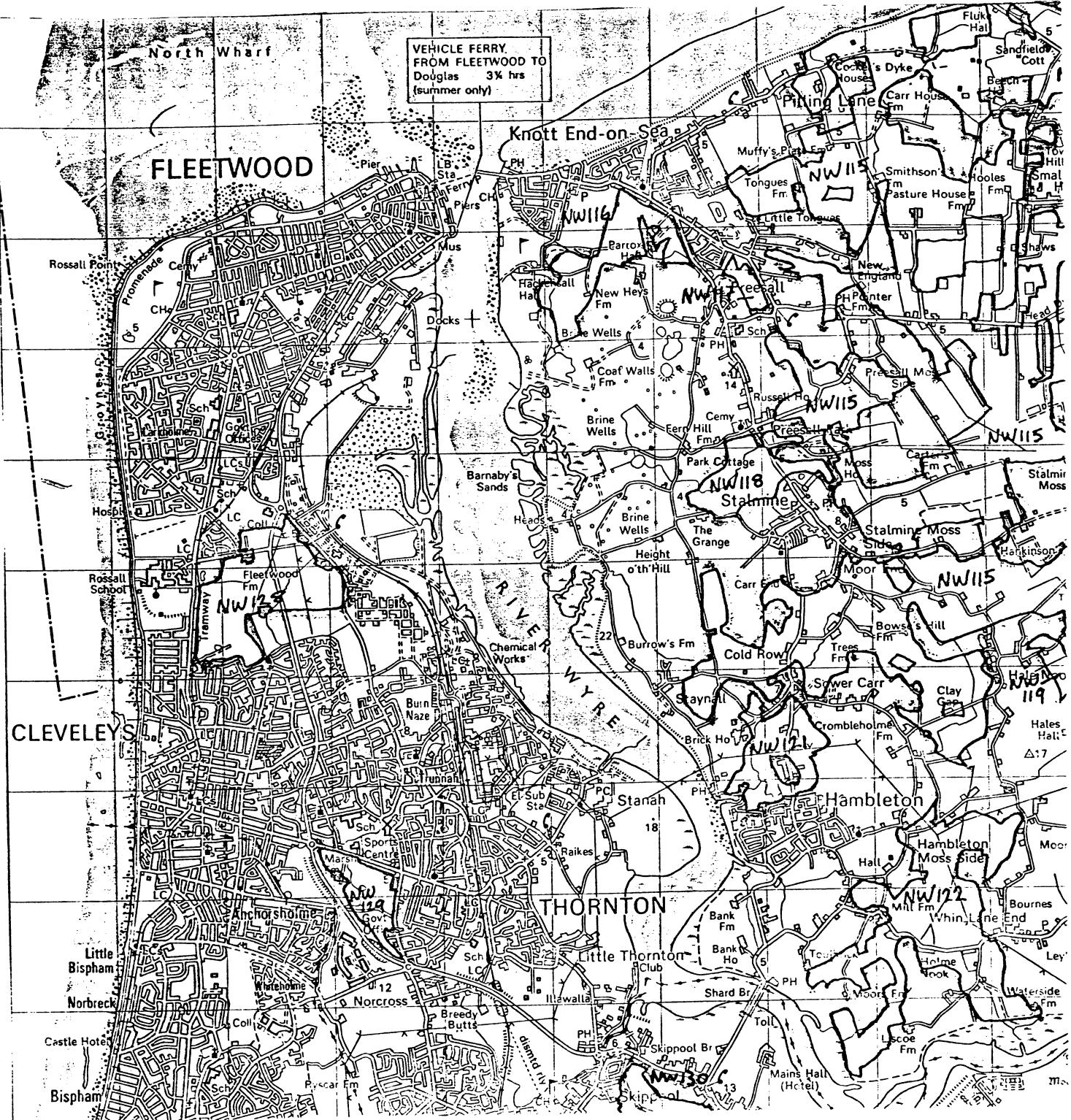


SD32 Sheet 102

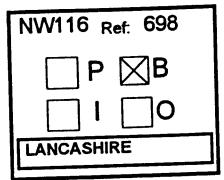
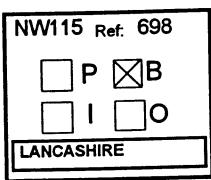
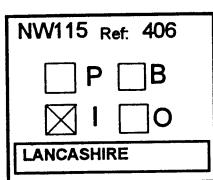
NW152 Ref. 206	
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<input type="checkbox"/> I	<input type="checkbox"/> O
LANCASHIRE	

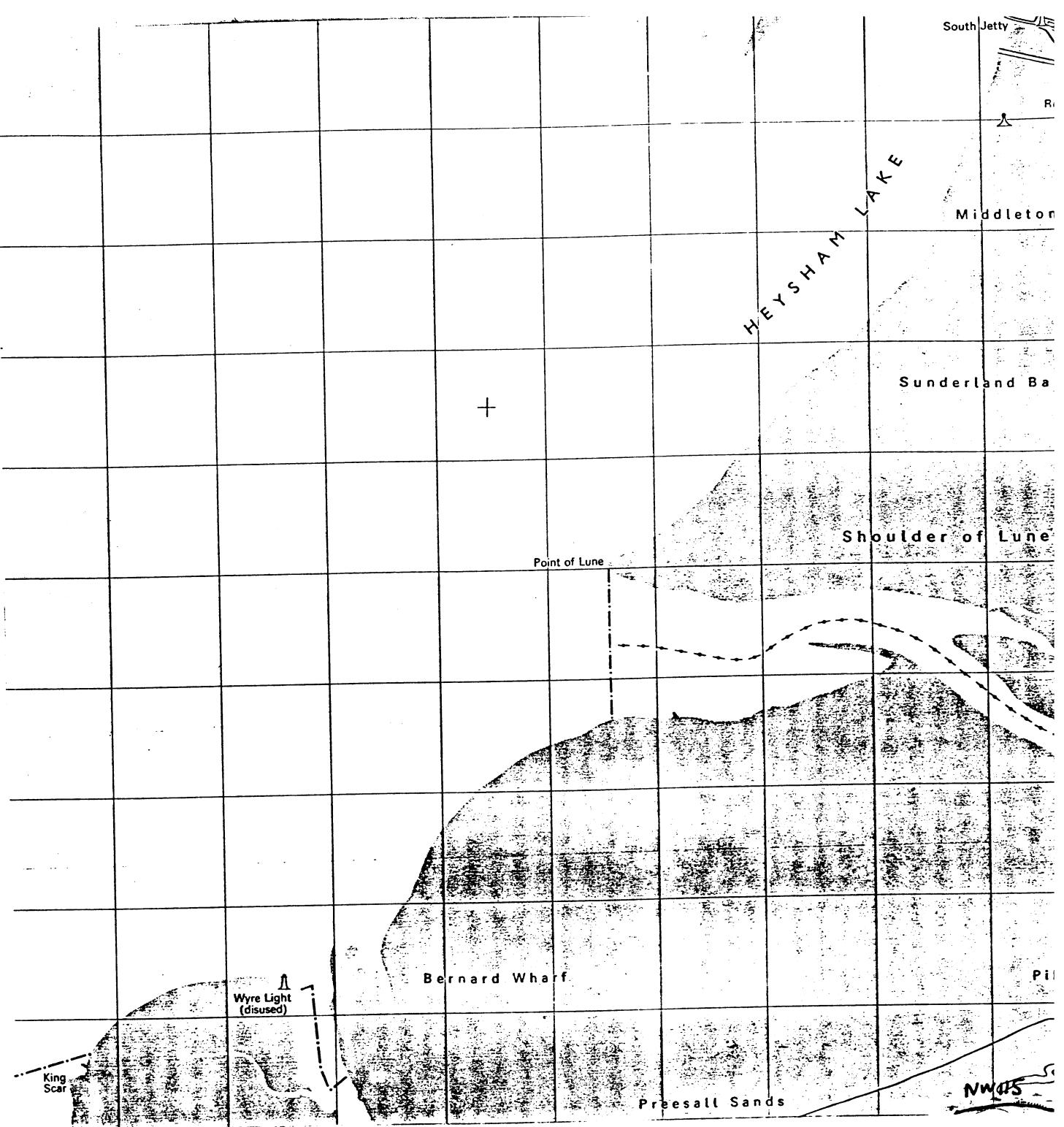


SD33 Sheet 102



SD34 Sheet 102

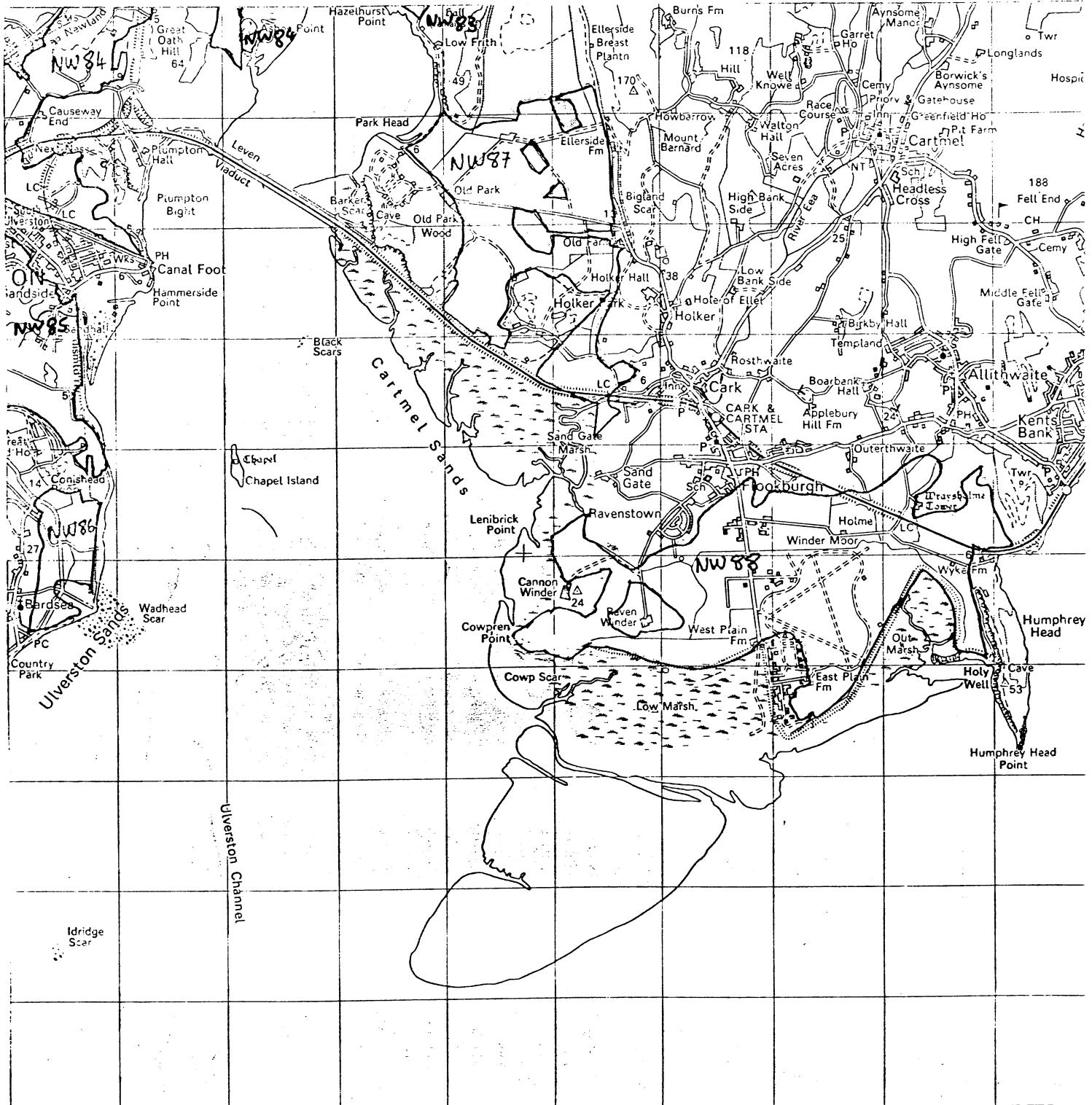




SD35 Sheet 102

NW15 Ref. 406	
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LANCASHIRE	

NW15 Ref. 698	
<input type="checkbox"/> P	<input checked="" type="checkbox"/> B
<input type="checkbox"/> I	<input type="checkbox"/> O
LANCASHIRE	



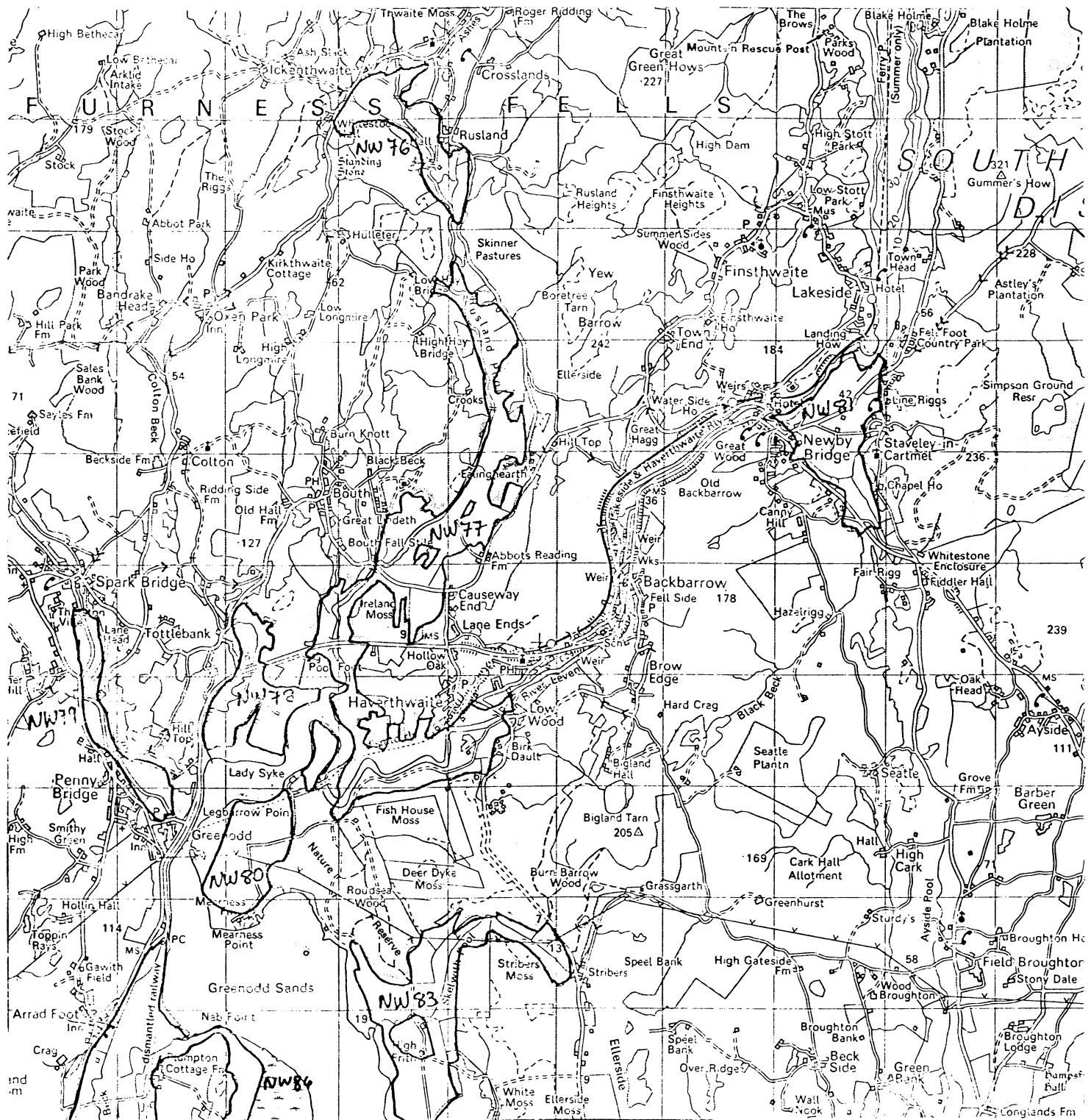
SD37 Sheet 97

NW83 Ref: 402
 P B
 I O
CUMBRIA

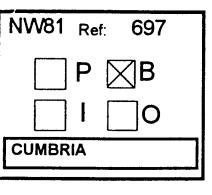
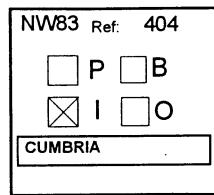
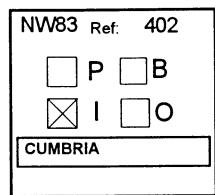
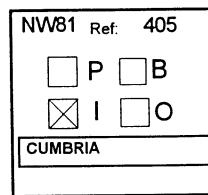
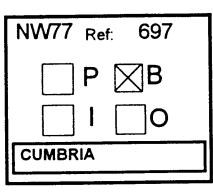
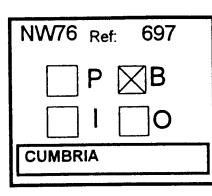
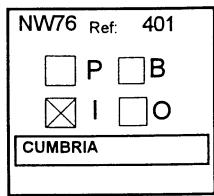
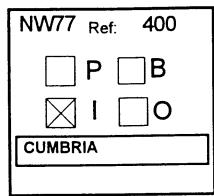
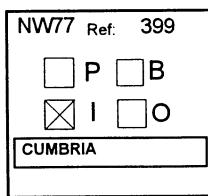
NW83 Ref. 404

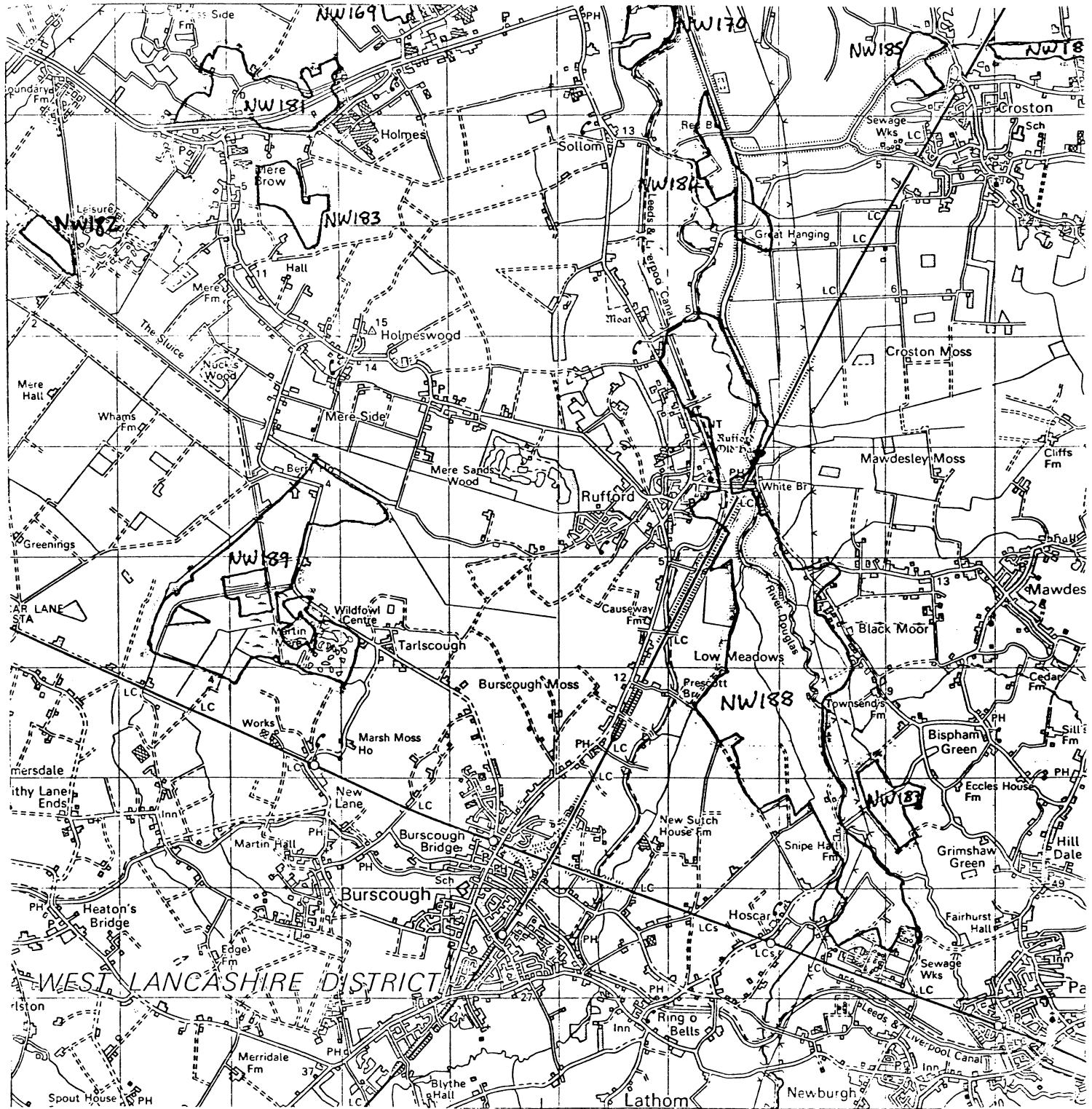
NW87 Ref: 403
 P B
 I O
CUMBRIA

NW85	Ref:	398
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CUMBRIA		

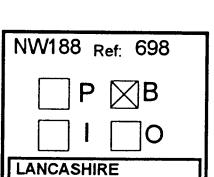
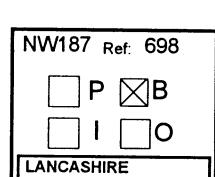
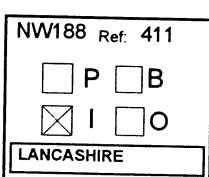
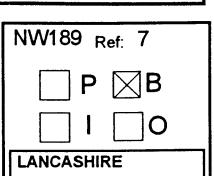
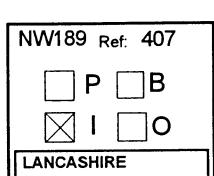
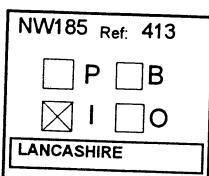
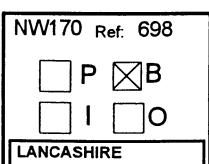


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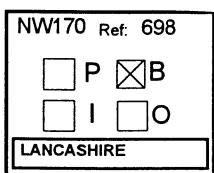


SD41 Sheet 108





SD42 Sheet 102





SD43 Sheet 102



SD44 Sheet 102

NW10 Ref. 6
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LANCASHIRE

NW10 Ref. 7
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LANCASHIRE

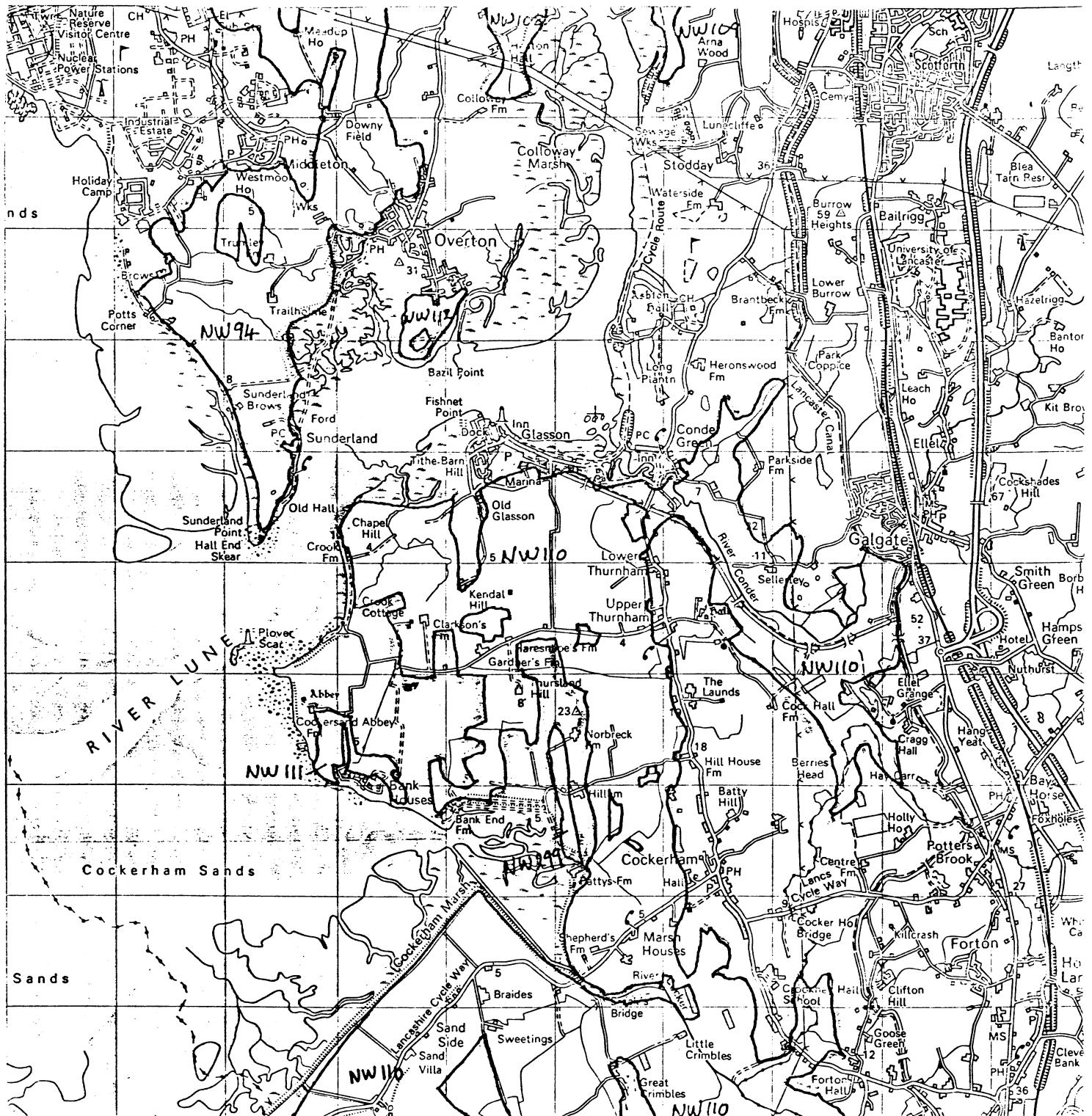
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LANCASHIRE

NW10 Ref. 409
<input type="checkbox"/> P <input type="checkbox"/> B
<input checked="" type="checkbox"/> I <input type="checkbox"/> O
LANCASHIRE

NW15 Ref. 406
<input type="checkbox"/> P <input type="checkbox"/> B
<input checked="" type="checkbox"/> I <input type="checkbox"/> O
LANCASHIRE

NW15 Ref. 698
<input type="checkbox"/> P <input checked="" type="checkbox"/> B
<input type="checkbox"/> I <input type="checkbox"/> O
LANCASHIRE

NW16 Ref. 695
<input type="checkbox"/> P <input checked="" type="checkbox"/> B
<input type="checkbox"/> I <input type="checkbox"/> O
LANCASHIRE



SD45 Sheet 102

NW94 Ref. 203
<input type="checkbox"/> P <input checked="" type="checkbox"/> B
<input type="checkbox"/> I <input type="checkbox"/> O
CUMBRIA

NW94 Ref. 6
<input type="checkbox"/> P <input checked="" type="checkbox"/> B
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CUMBRIA

NW94 Ref. 7
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CUMBRIA

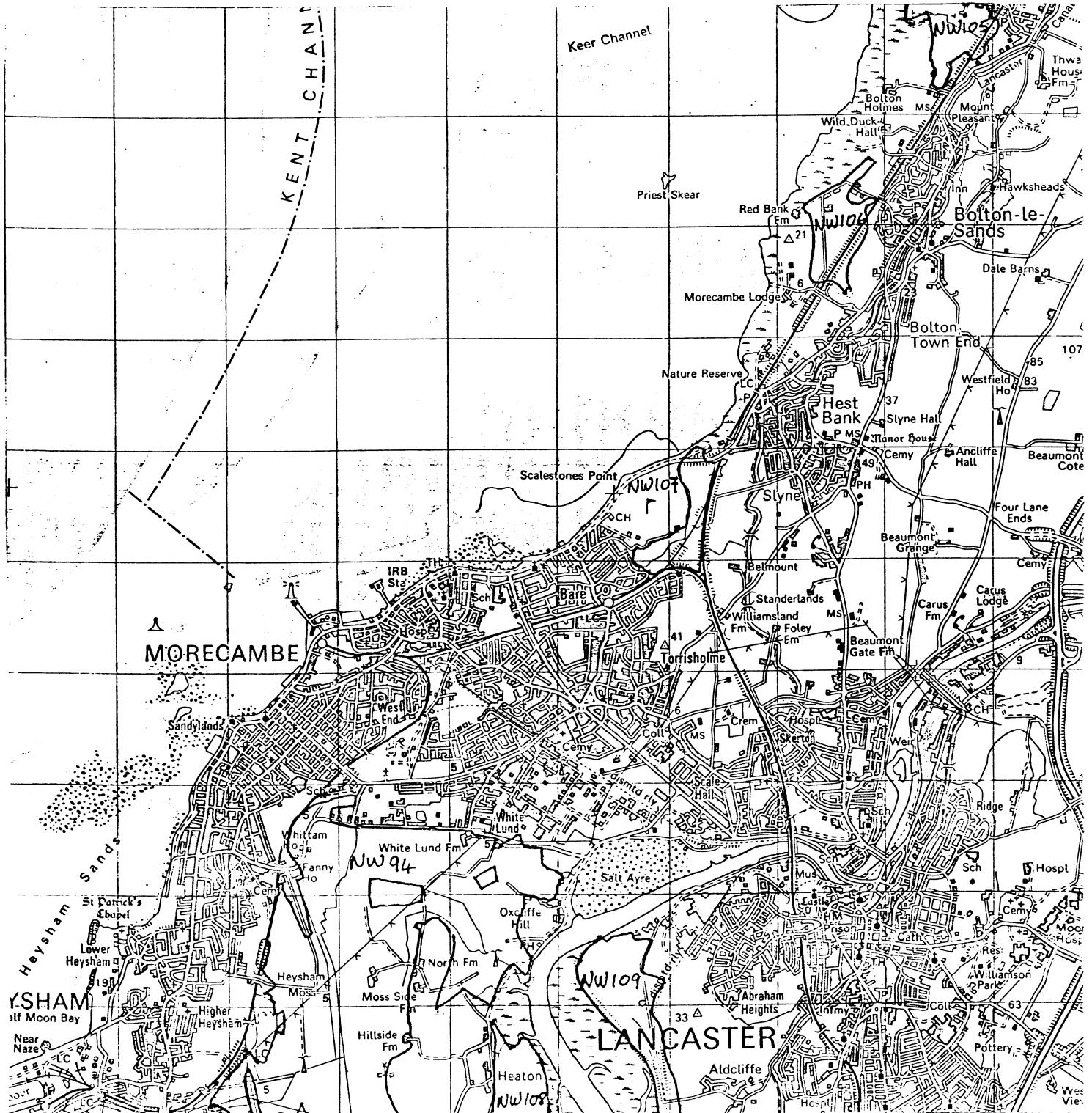
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LANCASHIRE

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<input type="checkbox"/> I <input type="checkbox"/> O
LANCASHIRE

NW110 Ref. 203
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<input type="checkbox"/> I <input type="checkbox"/> O
LANCASHIRE

NW110 Ref. 409
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<input checked="" type="checkbox"/> I <input type="checkbox"/> O
LANCASHIRE

NW110 Ref. 698
<input type="checkbox"/> P <input checked="" type="checkbox"/> B
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LANCASHIRE



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NW105 Ref. 695

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<input type="checkbox"/>	I	<input type="checkbox"/>	O

LANCASHIRE

NW105 Ref. 738

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<input type="checkbox"/>	I	<input type="checkbox"/>	O

LANCASHIRE

NW107 Ref. 4

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LANCASHIRE

NW105 Ref. 7

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LANCASHIRE

NW105 Ref. 203

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LANCASHIRE

NW106 Ref. 6

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LANCASHIRE

NW106 Ref. 203

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LANCASHIRE

NW94 Ref. 6

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CUMBRIA

NW94 Ref. 7

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CUMBRIA

NW94 Ref. 203

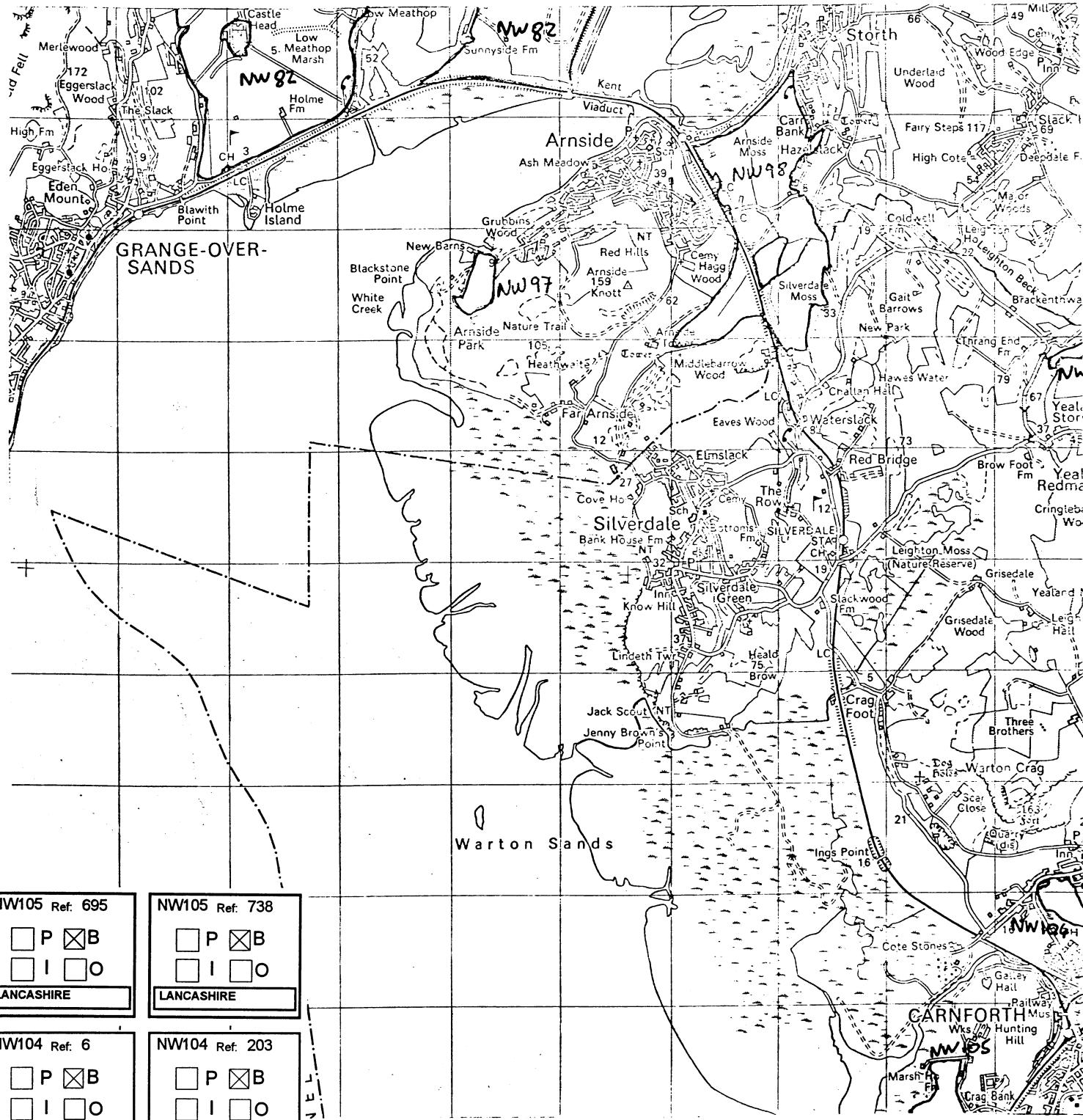
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CUMBRIA

NW94 Ref. 738

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CUMBRIA



NW105 Ref. 695

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<input type="checkbox"/> I	<input type="checkbox"/> O

LANCASHIRE

NW105 Ref. 738

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LANCASHIRE

NW104 Ref. 6

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LANCASHIRE

NW104 Ref. 203

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LANCASHIRE

NW97 Ref. 4

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CUMBRIA

NW97 Ref. 7

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CUMBRIA

NW98 Ref. 203

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CUMBRIA
LANCASHIRE

NW98 Ref. 412

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CUMBRIA
LANCASHIRE

NW82 Ref. 193

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CUMBRIA

NW82 Ref. 408

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CUMBRIA

NW82 Ref. 410

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CUMBRIA

NW82 Ref. 414

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CUMBRIA

NW82 Ref. 415

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CUMBRIA

NW99 Ref. 418

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CUMBRIA
LANCASHIRE

NW99 Ref. 419

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CUMBRIA
LANCASHIRE

NW99 Ref. 193

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CUMBRIA
LANCASHIRE

NW99 Ref. 417

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CUMBRIA
LANCASHIRE

NW105 Ref. 7

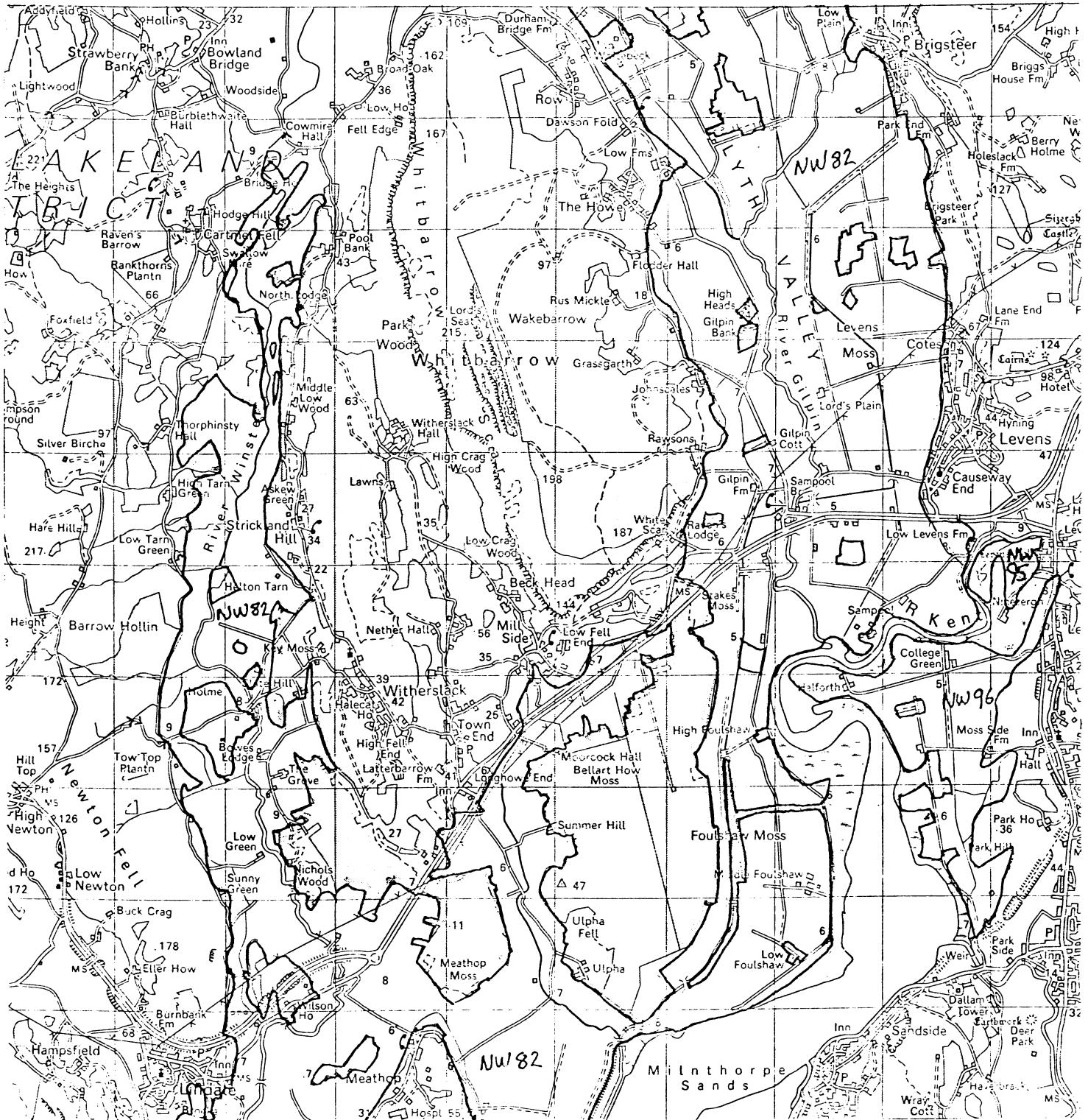
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LANCASHIRE

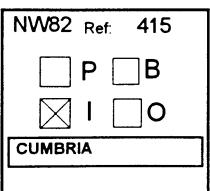
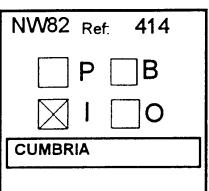
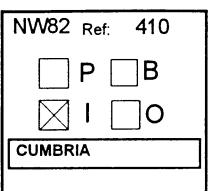
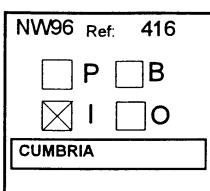
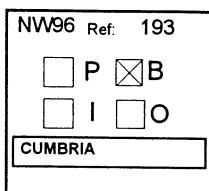
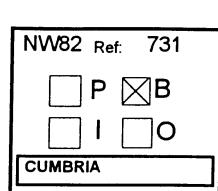
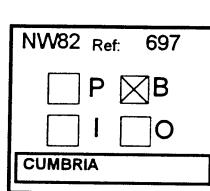
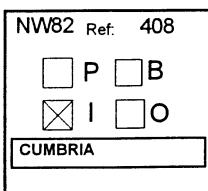
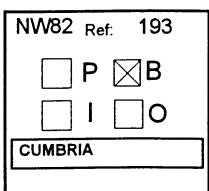
NW105 Ref. 203

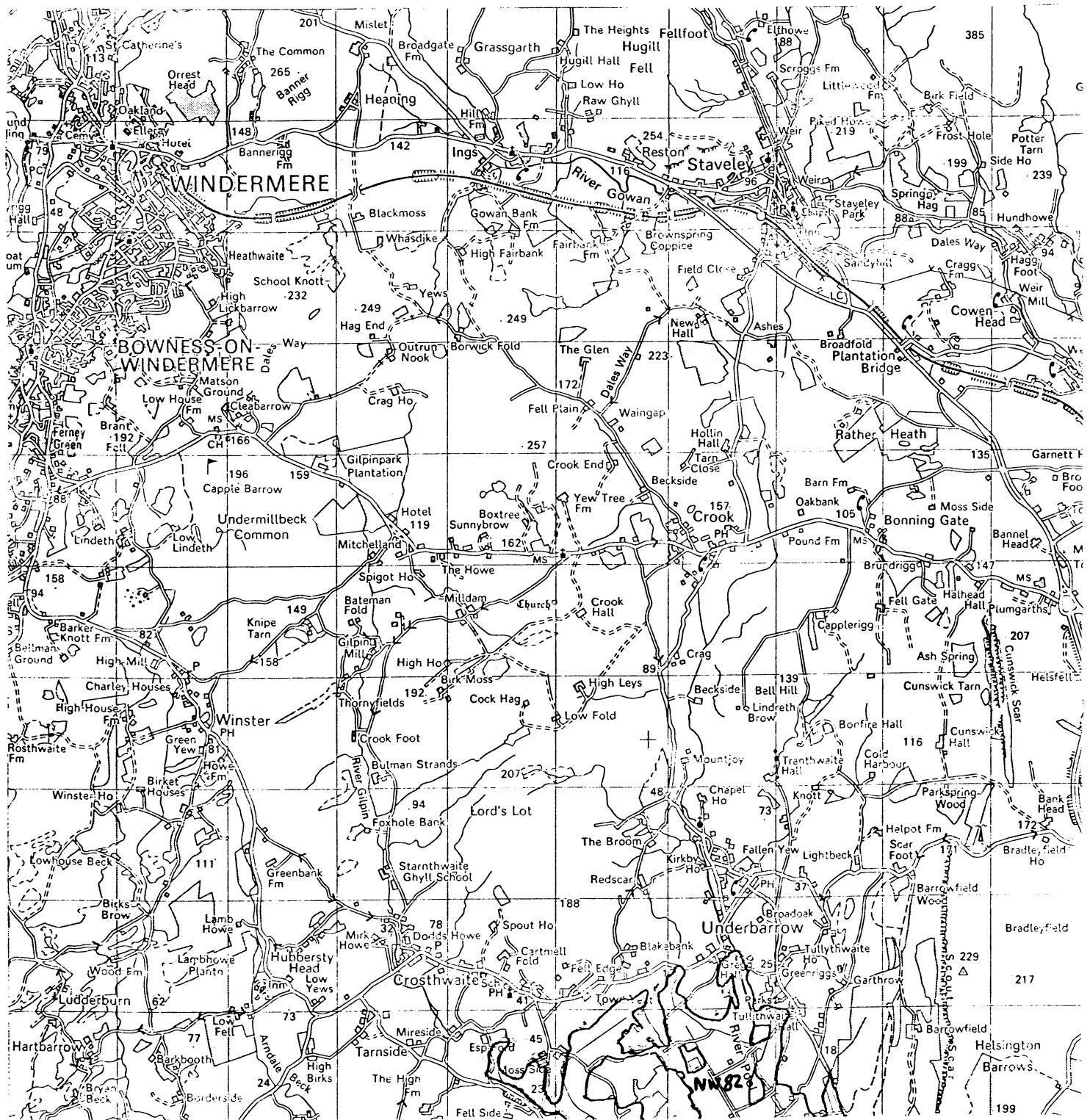
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<input type="checkbox"/> I	<input type="checkbox"/> O

LANCASHIRE



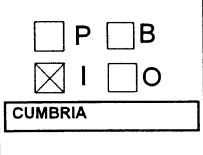
SD48 Sheet 97



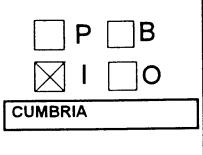


SD49 Sheet 97

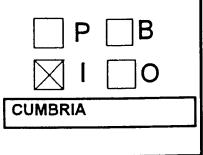
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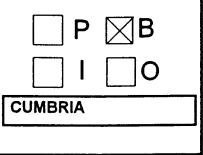
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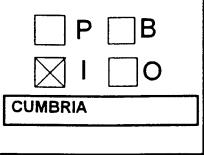
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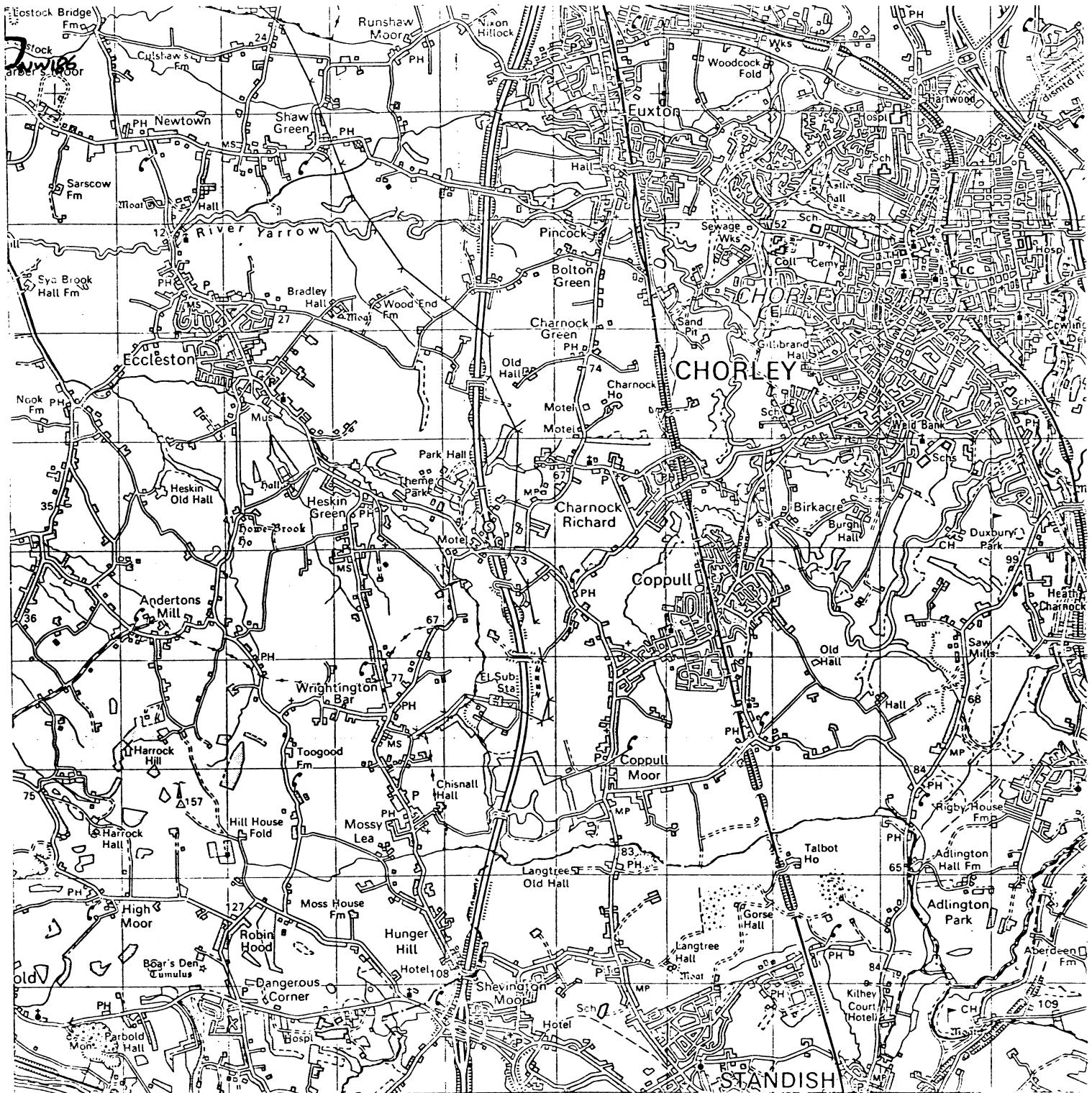


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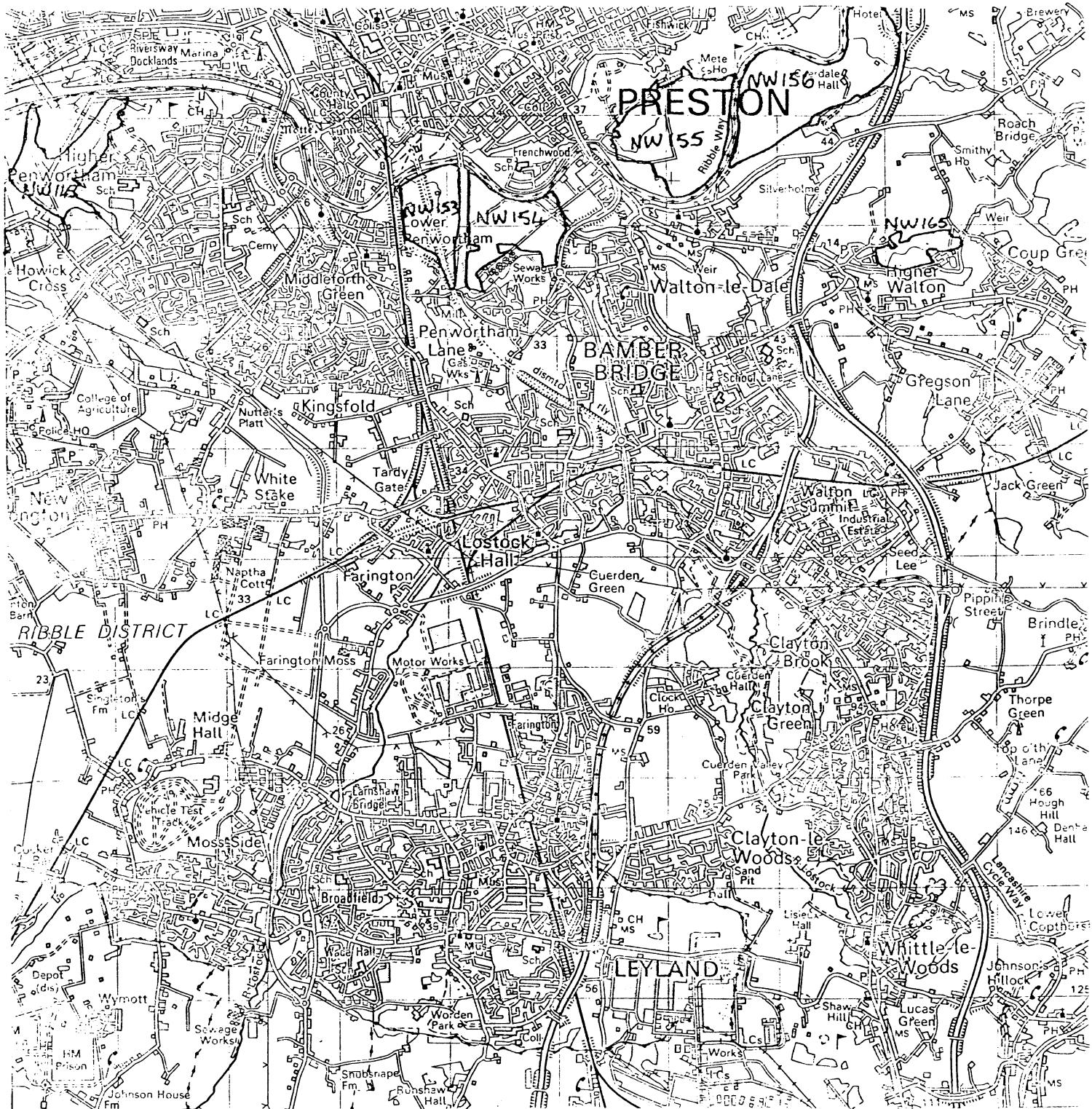


NW82 Ref: 408





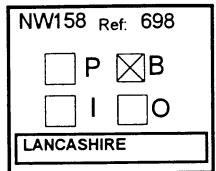
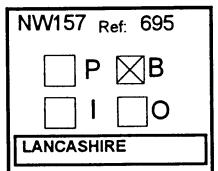
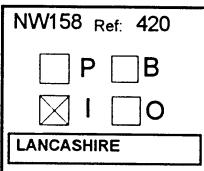
SD51 Sheet 108



SD52 Sheet 102

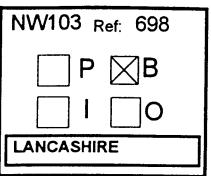
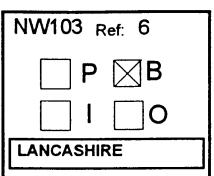
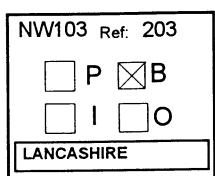
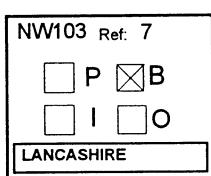


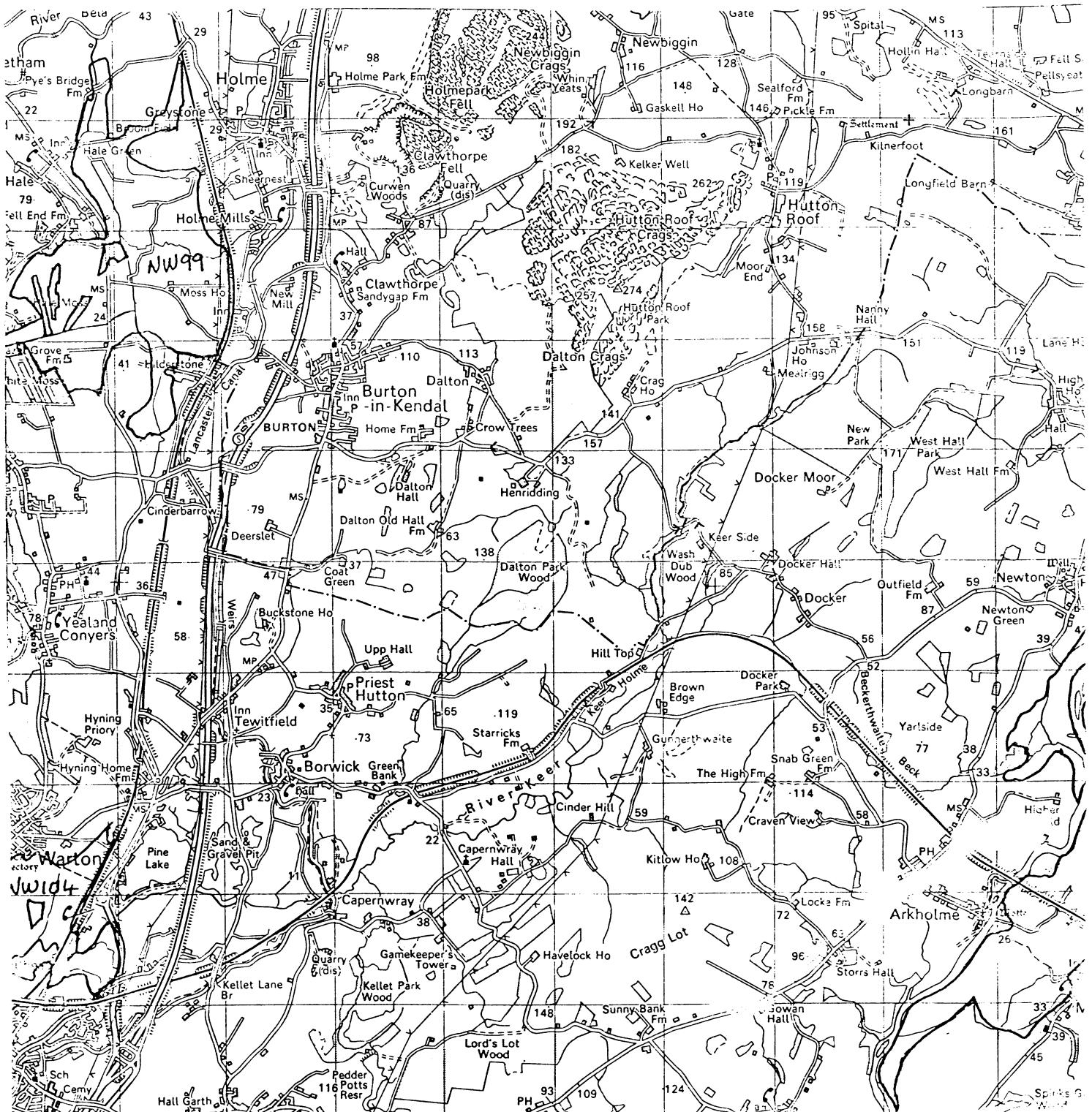
SD53 Sheet 102





SD56 Sheet 97





SD57 Sheet 97

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LANCASHIRE	

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LANCASHIRE	

NW101 Ref. 203	
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LANCASHIRE	

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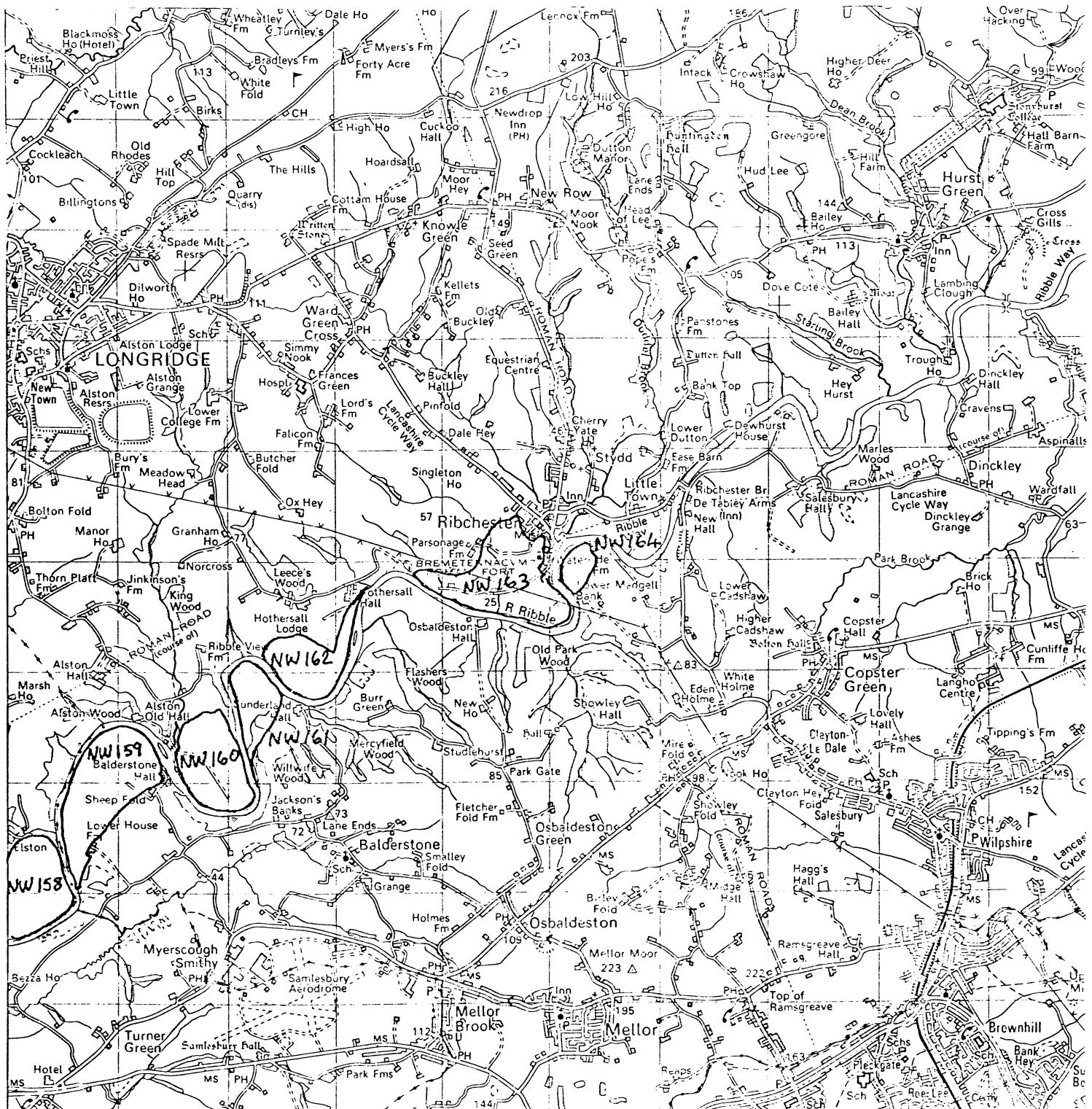
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LANCASHIRE	

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CUMBRIA LANCASHIRE	

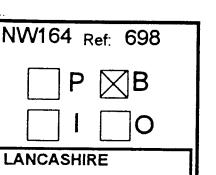
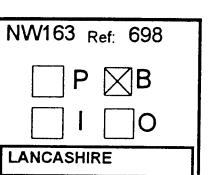
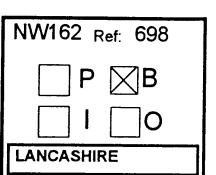
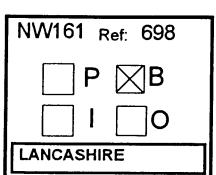
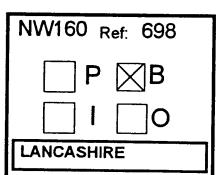
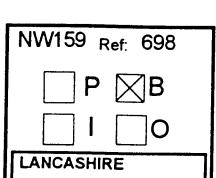
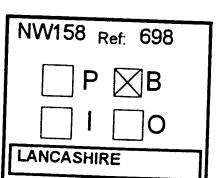
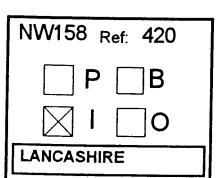
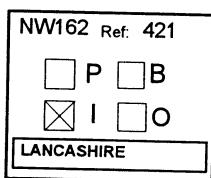
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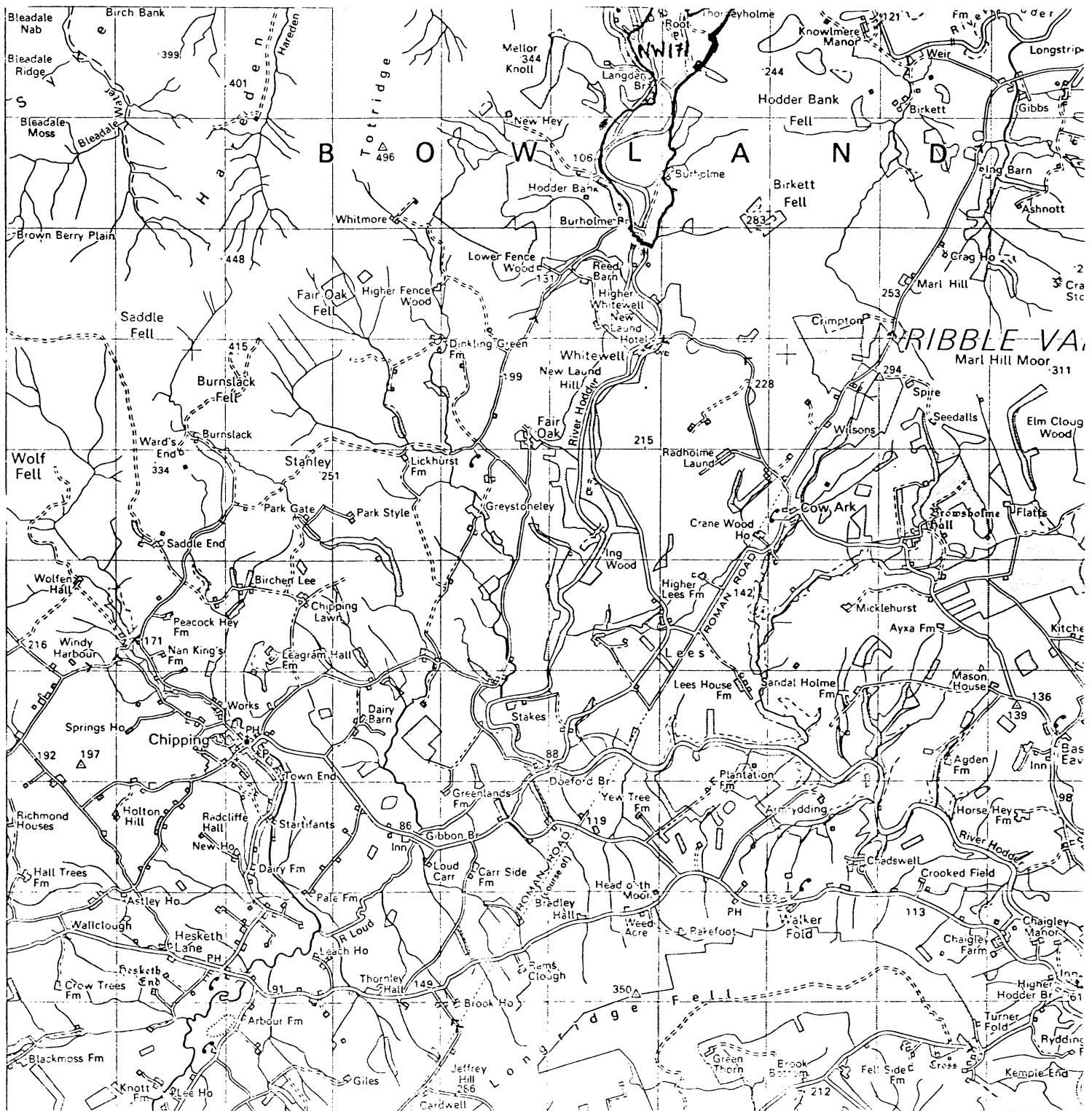
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CUMBRIA LANCASHIRE	

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CUMBRIA LANCASHIRE	

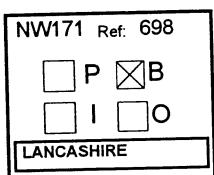


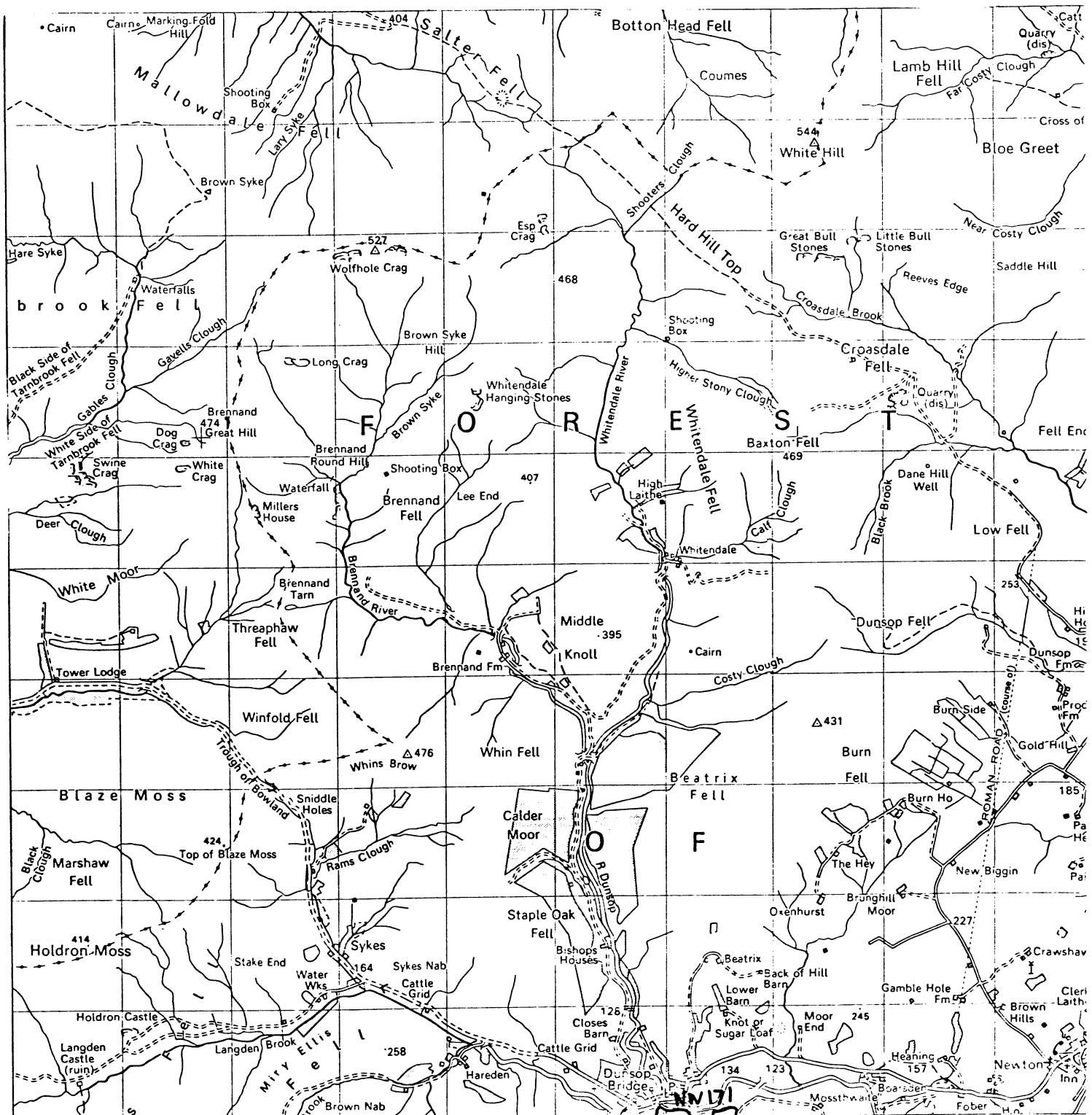
SD63 Sheet 103





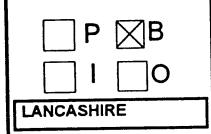
SD64 Sheet 103

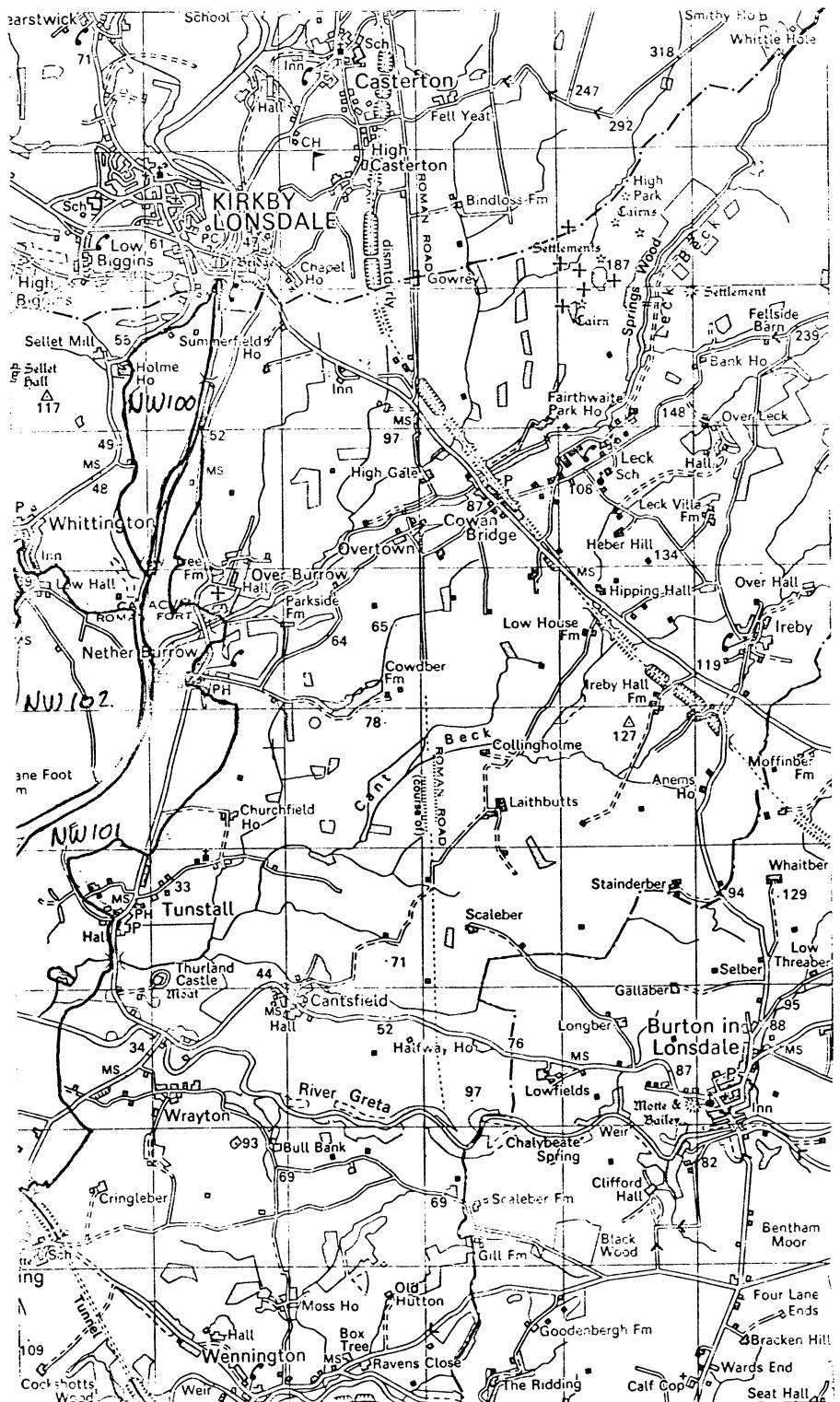




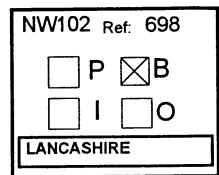
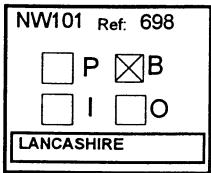
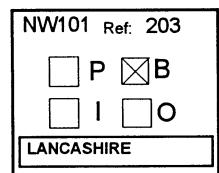
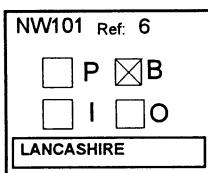
SD65 Sheet 103

NW171 Ref. 698



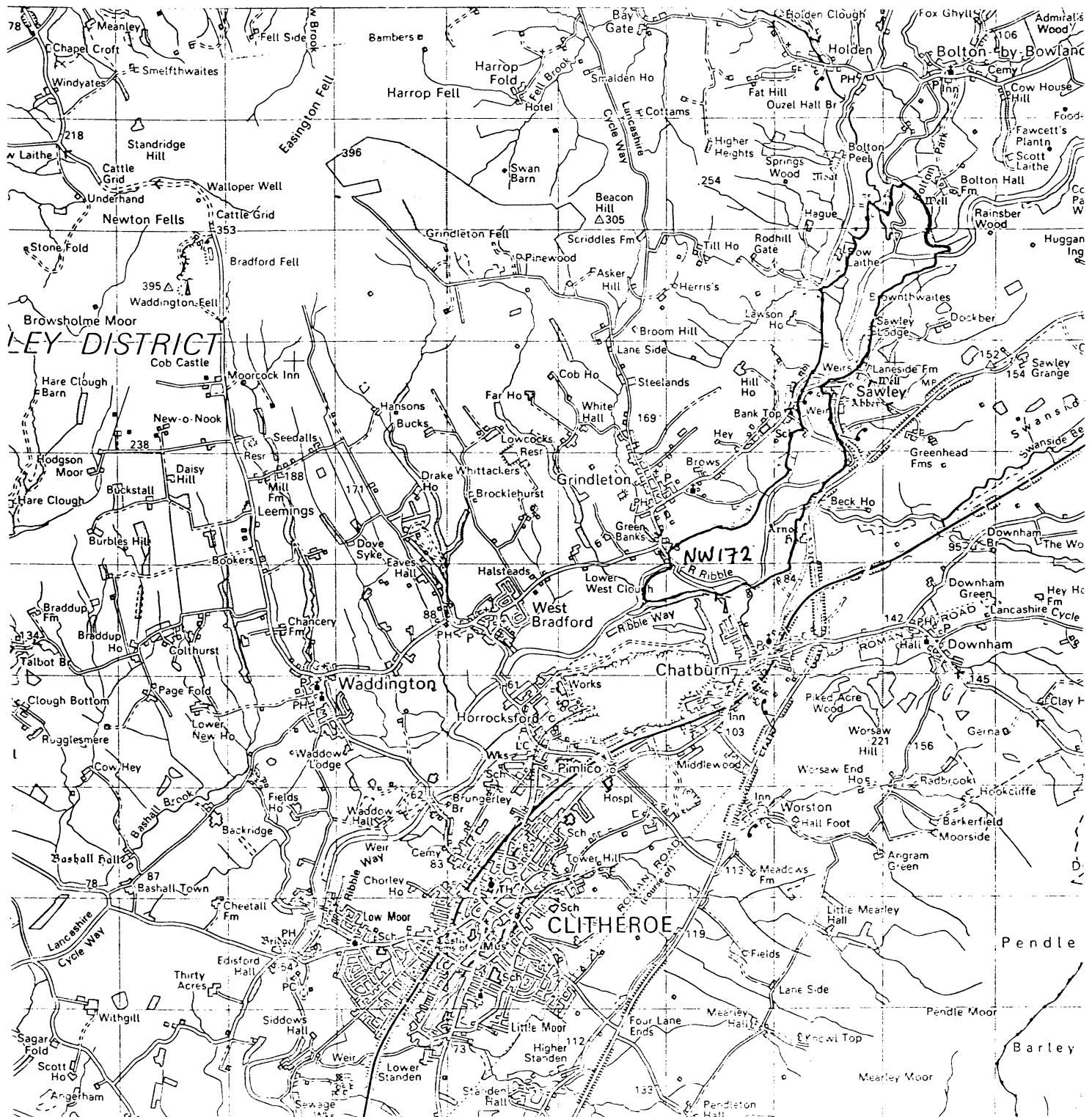


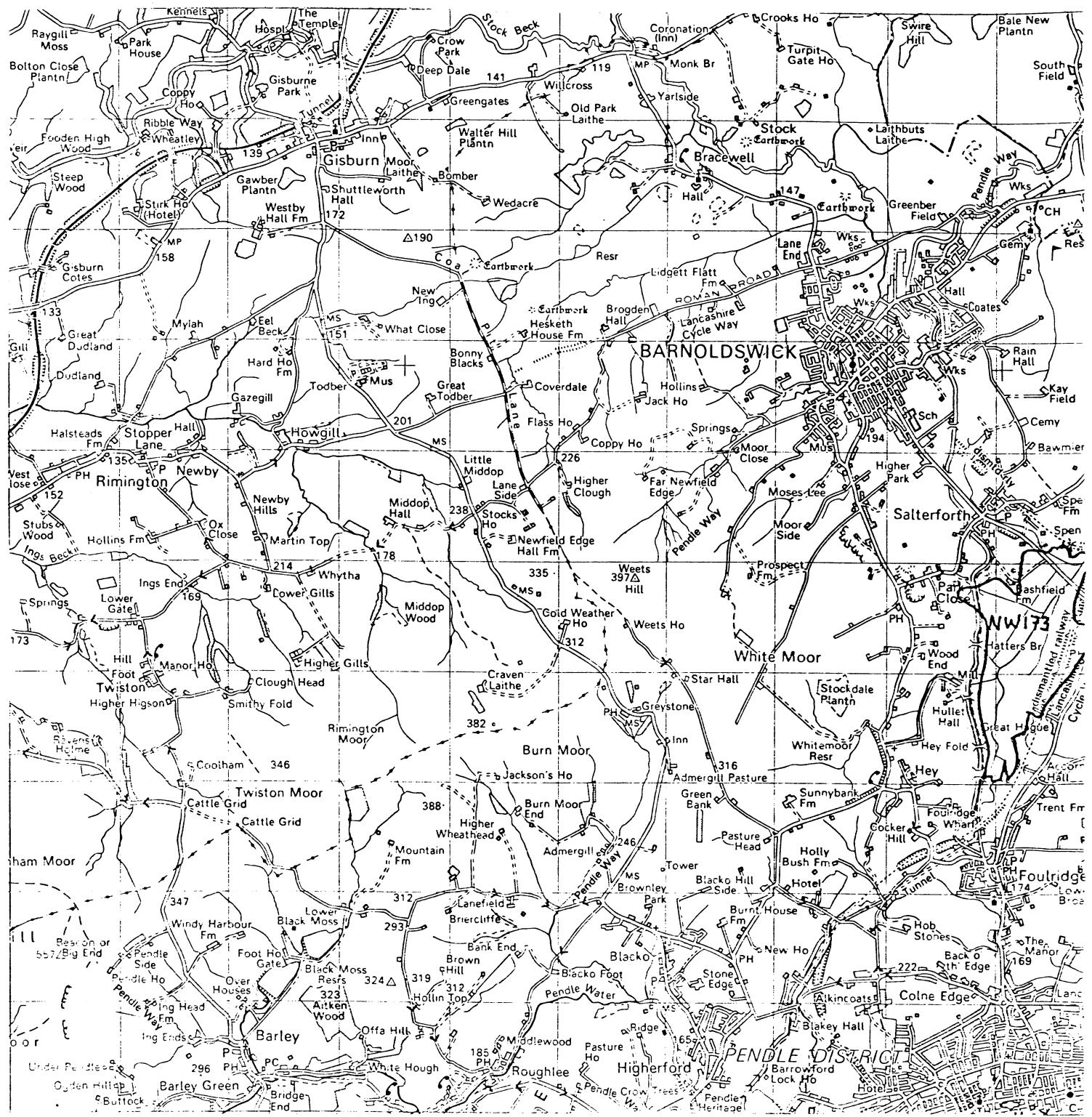
SD67 Sheet 97



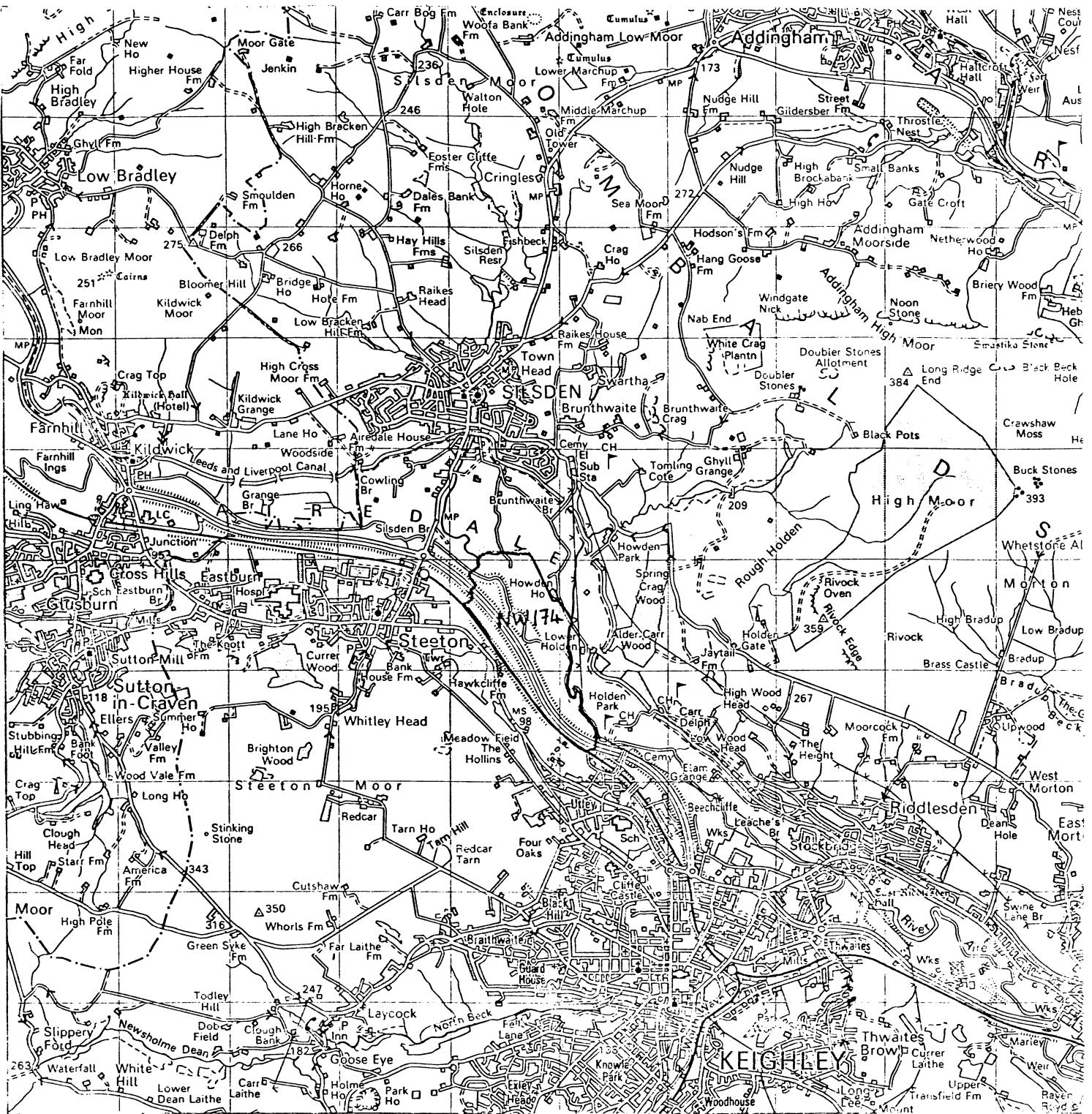


SD70 Sheet 109





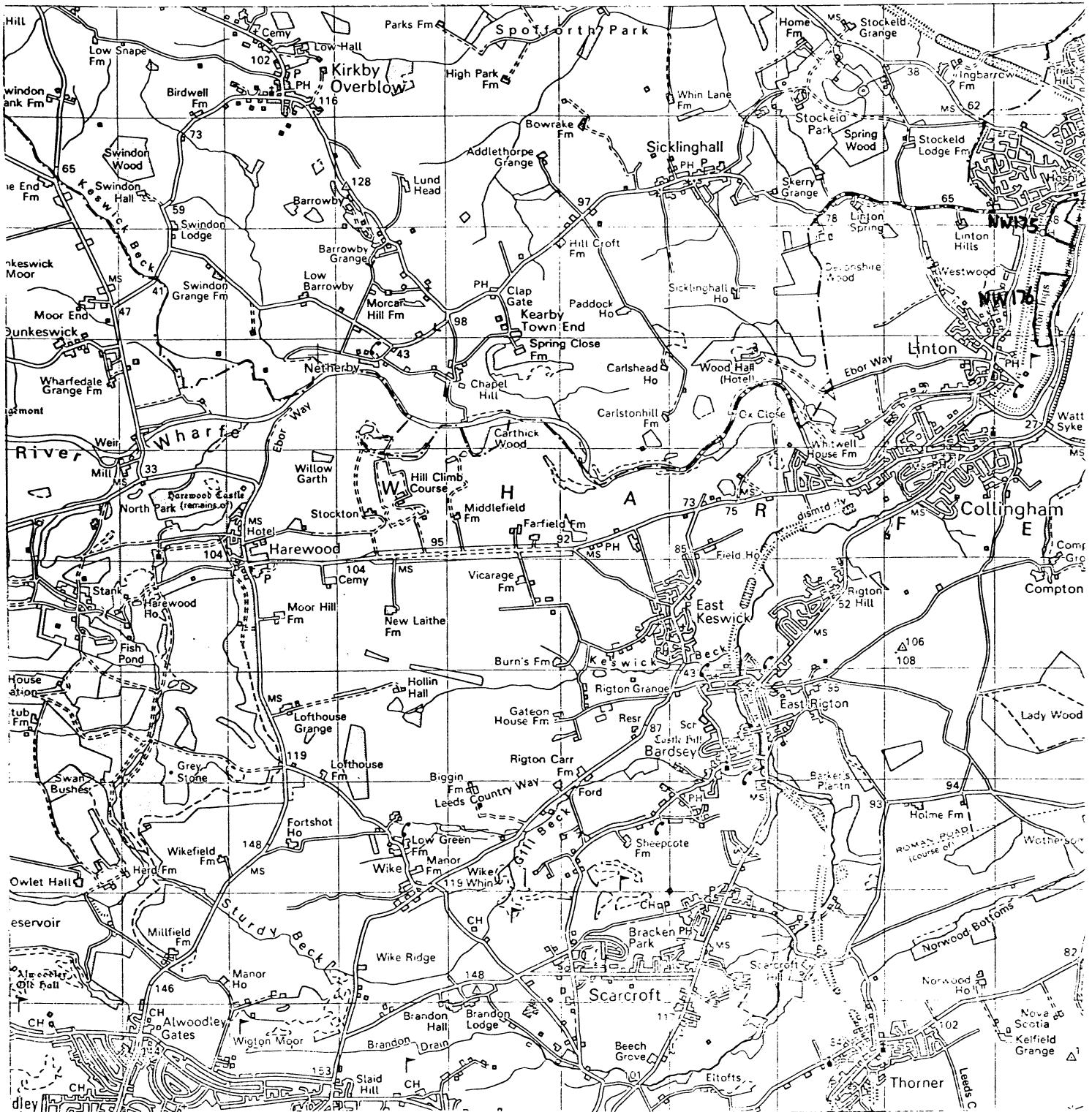
SD84 Sheet 103



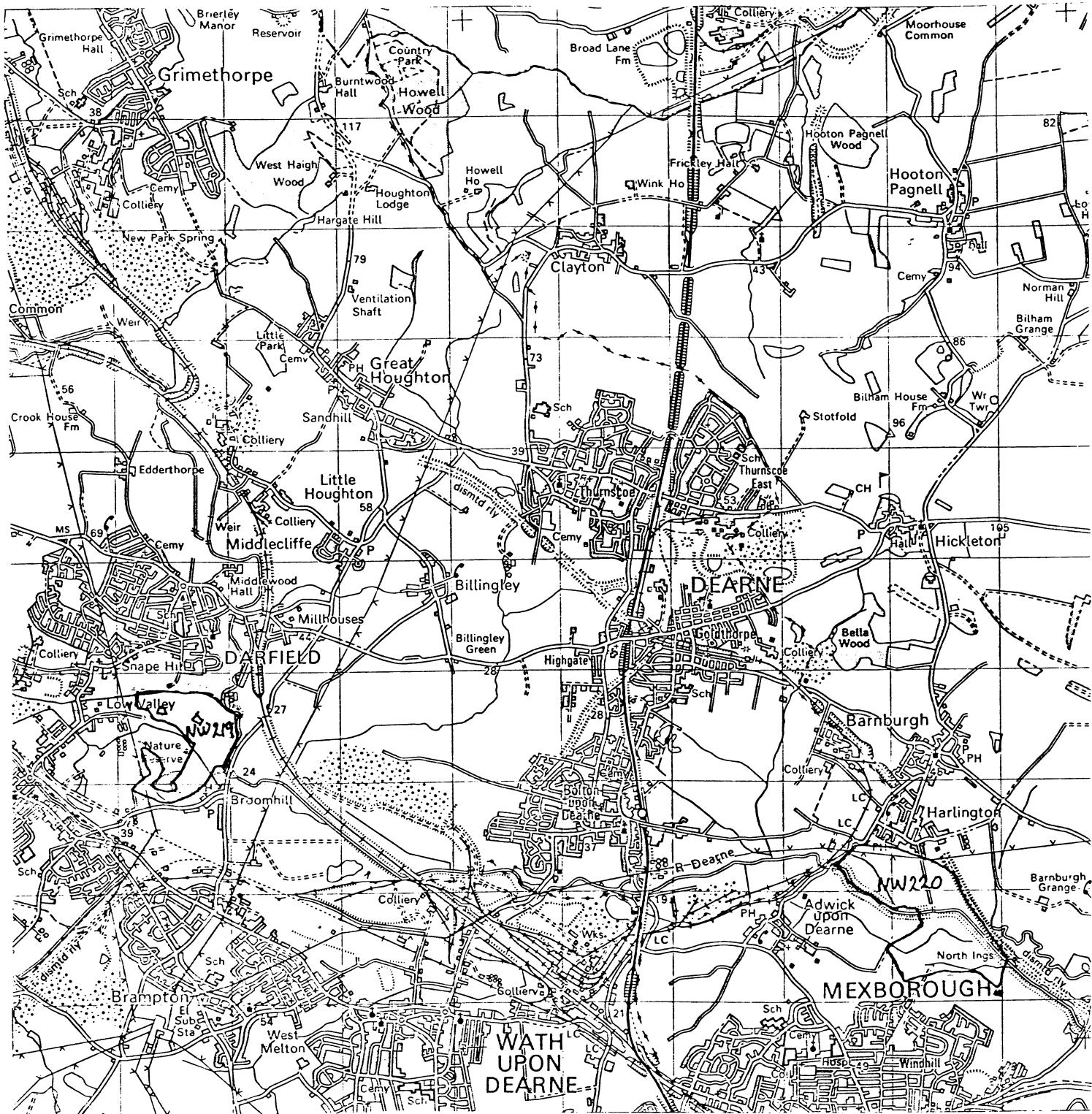
SE04 Sheet 104



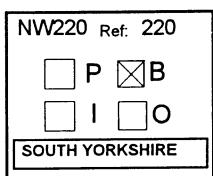
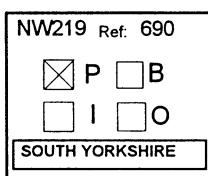
SE31 Sheet 111

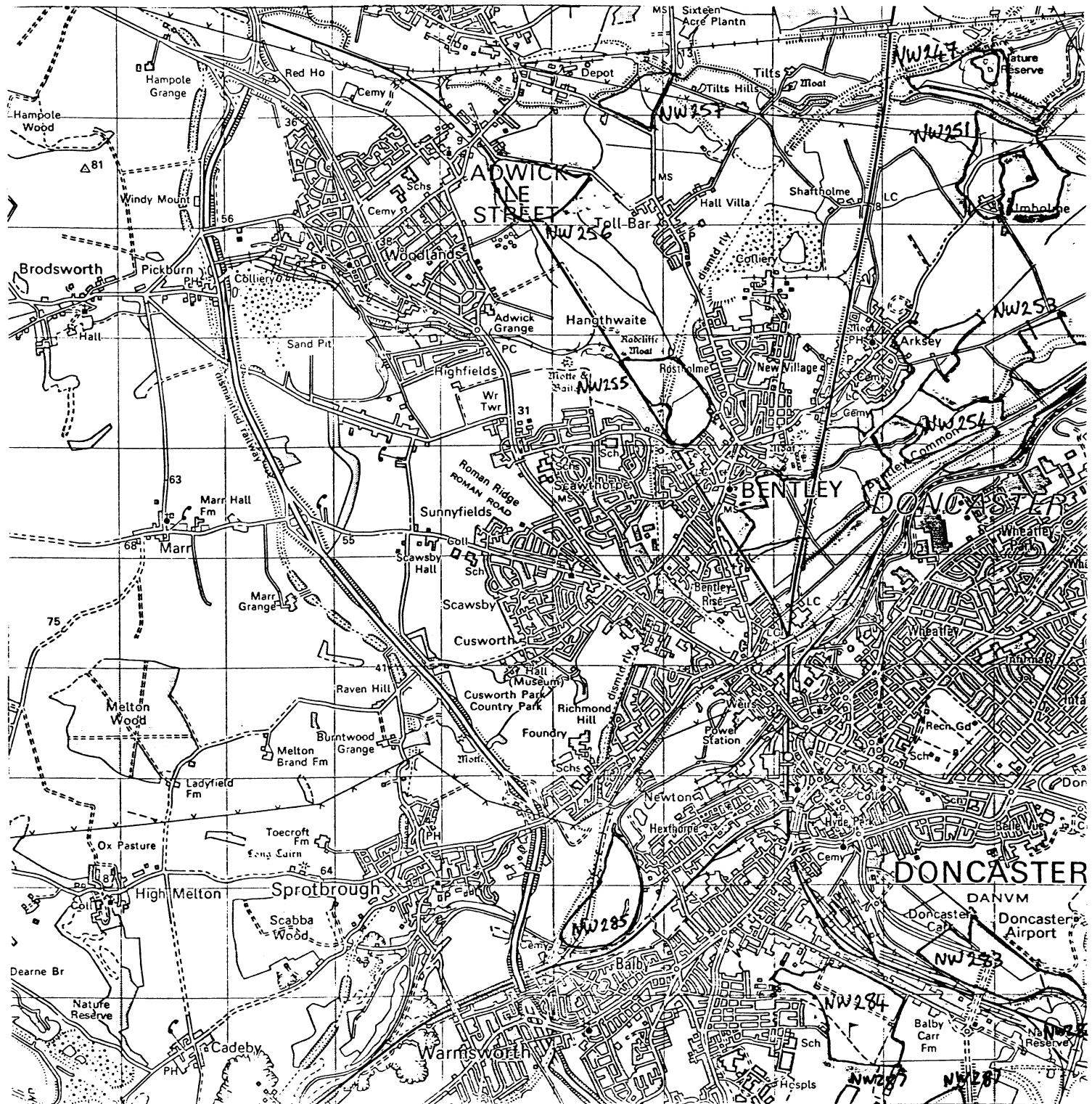


SE34 Sheet 104



SE40 Sheet 111





SE50 Sheet 111

NW247 Ref. 424
 P B
 I O
SOUTH YORKSHIRE

NW254 Ref. 423

P B

I O

SOUTH YORKSHIRE

NW254 Ref. 690

P B

I O

SOUTH YORKSHIRE

NW282 Ref: 425

P B

I O

SOUTH YORKSHIRE

NW283 Ref. 425

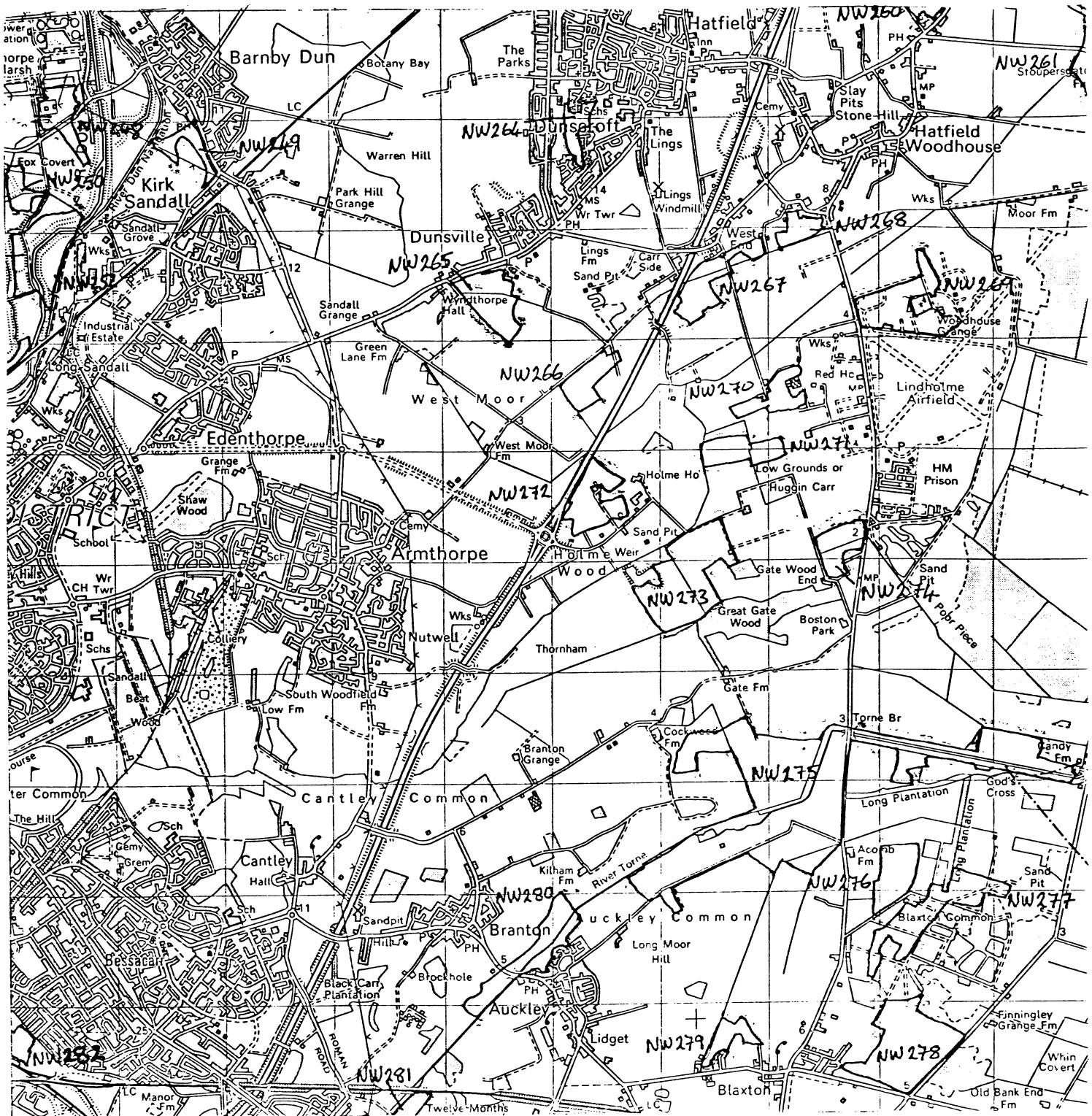
P B

I O

SOUTH YORKSHIRE



SE51 Sheet 111

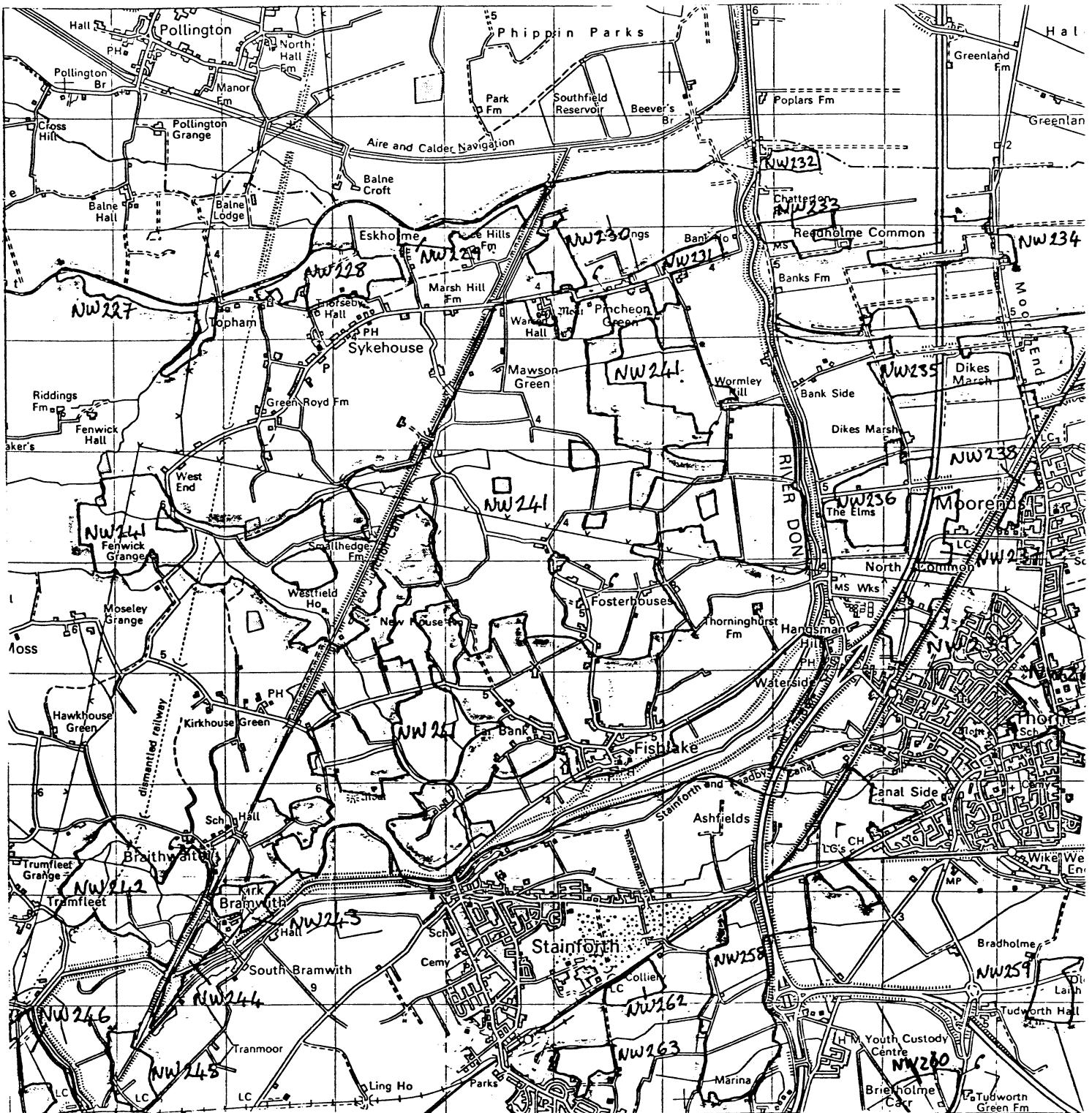


SE60 Sheet 111

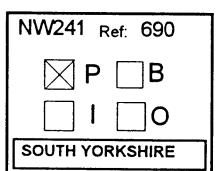
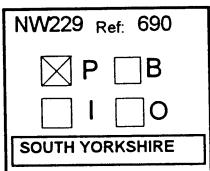
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SOUTH YORKSHIRE	

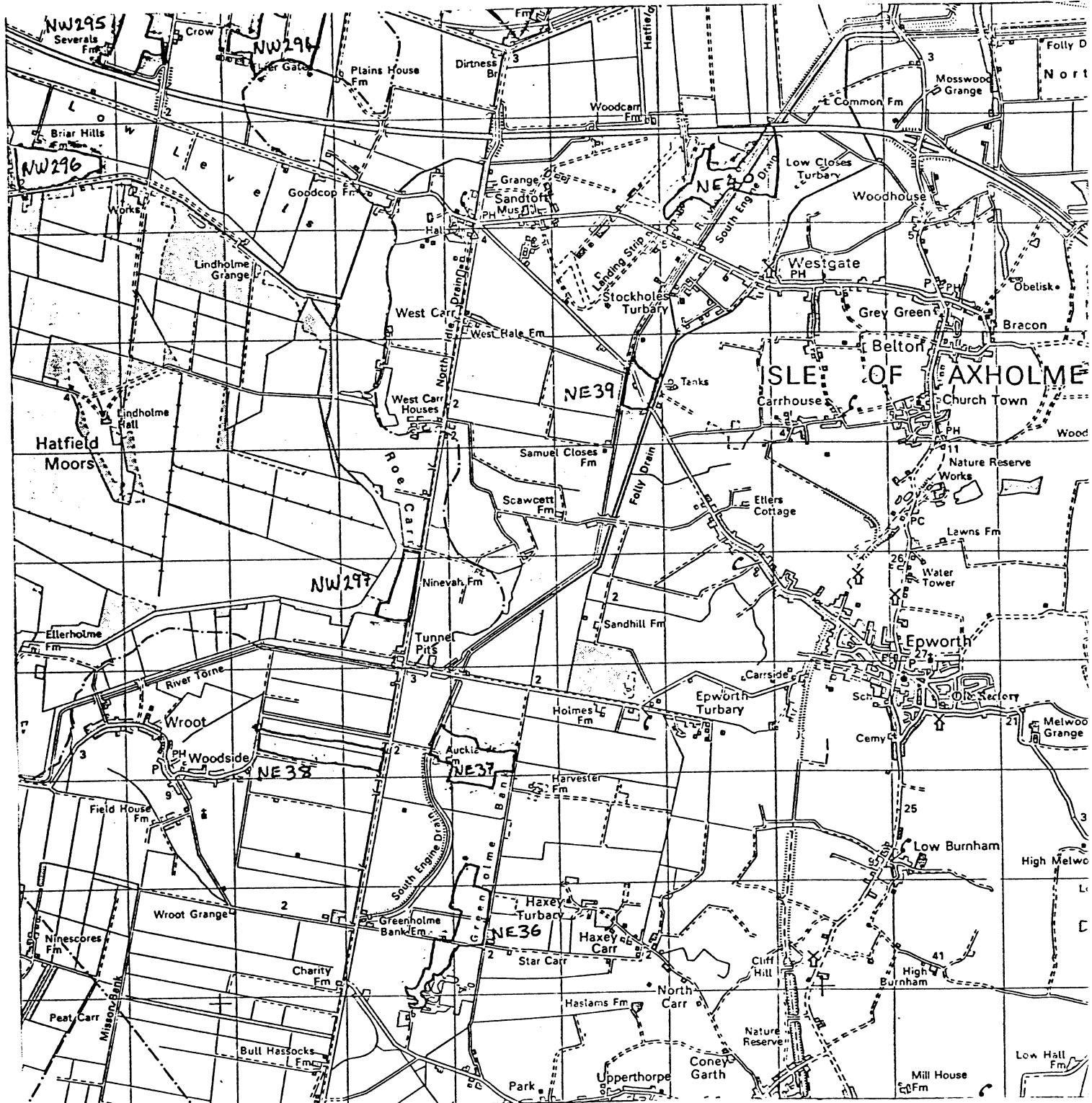
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SOUTH YORKSHIRE	

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SOUTH YORKSHIRE	



SE61 Sheet 111





SE70 Sheet 112

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SOUTH YORKSHIRE

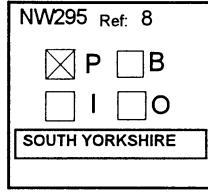
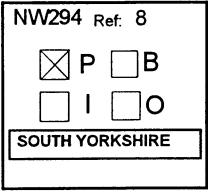
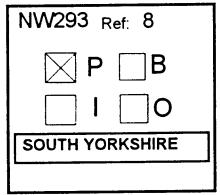
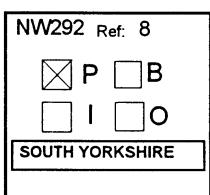
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SOUTH YORKSHIRE

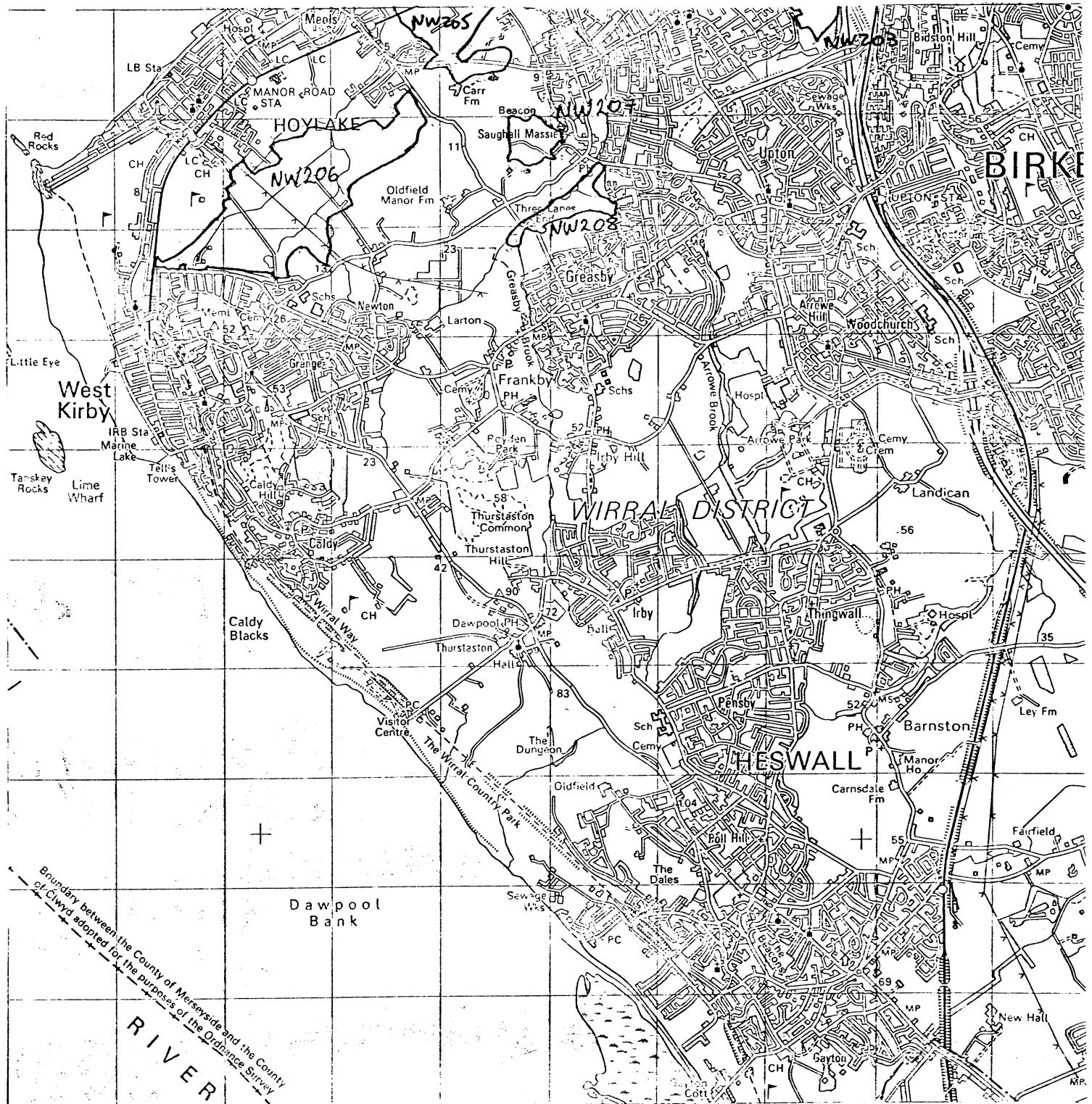
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SOUTH YORKSHIRE

NE39 Ref. 8
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SOUTH YORKSHIRE

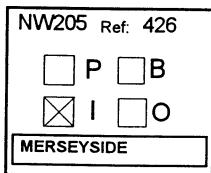


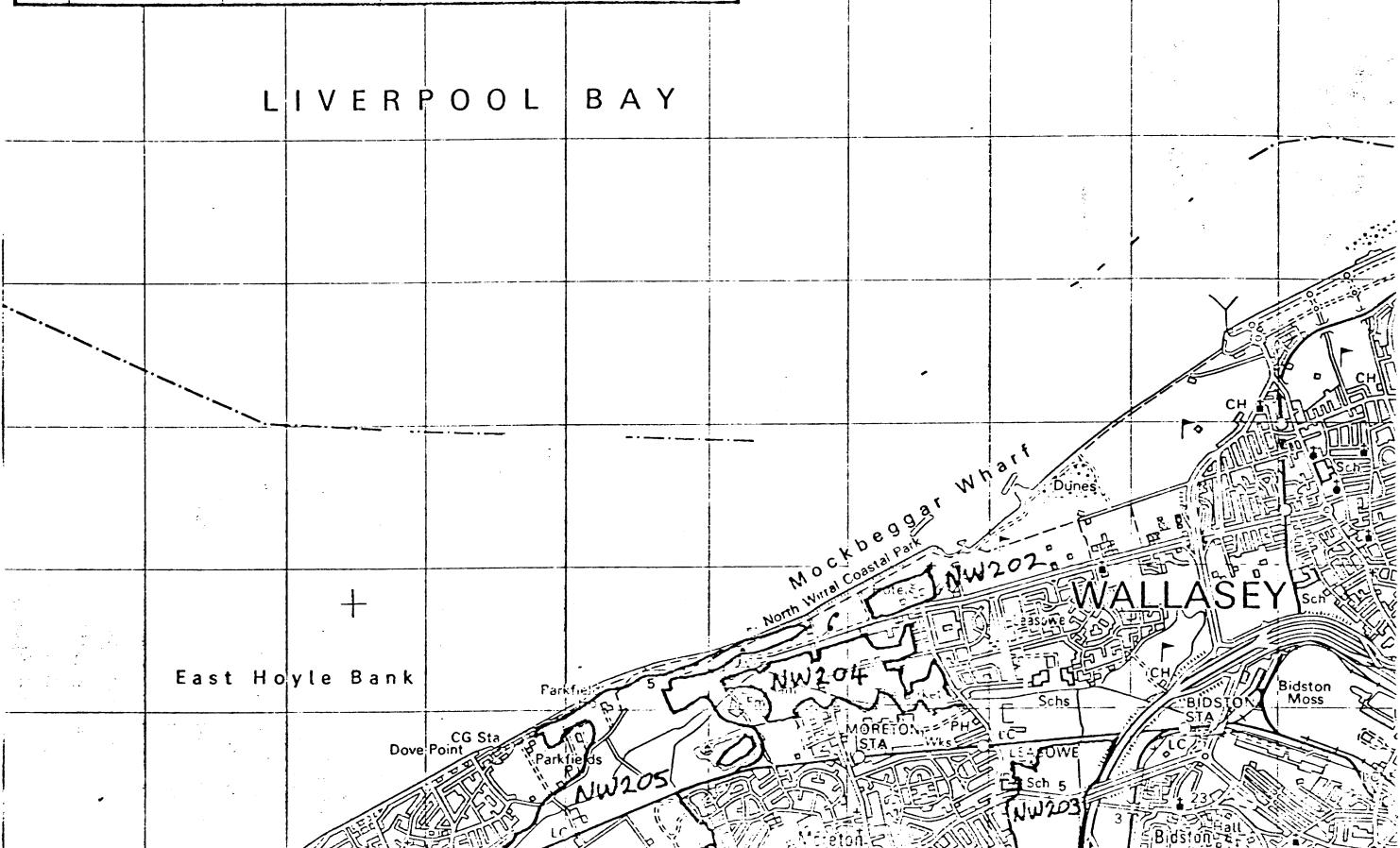
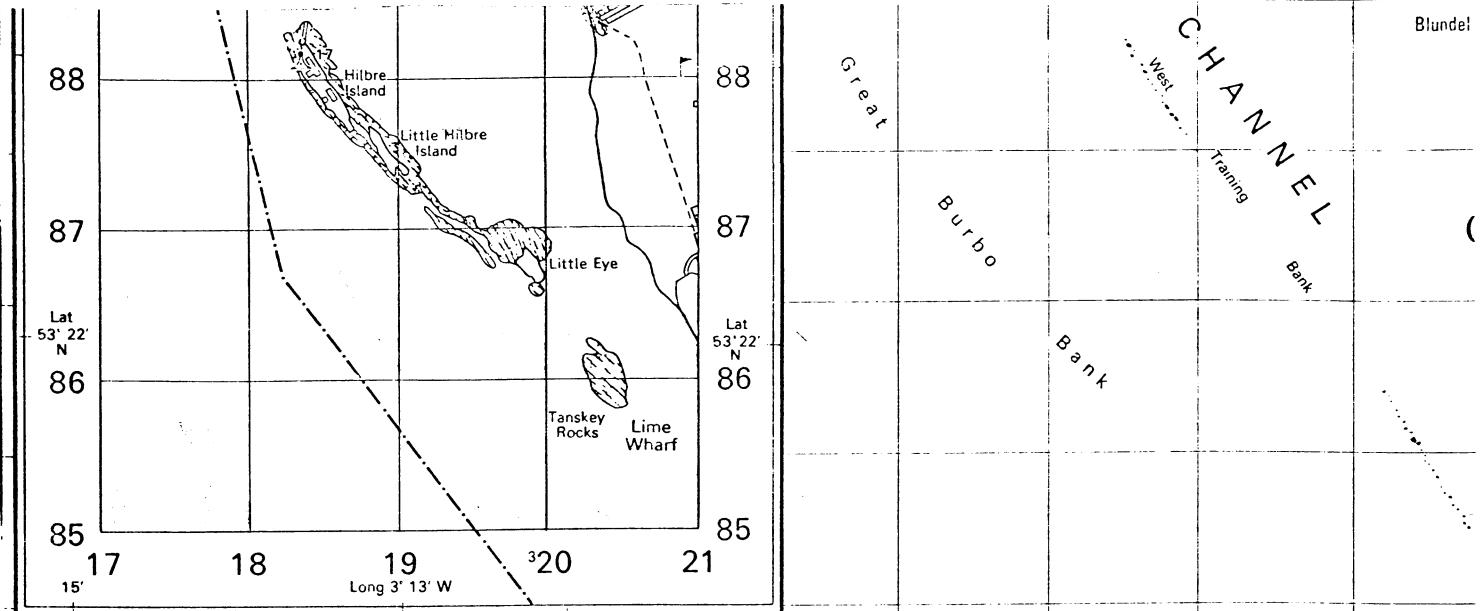
SE71 Sheet 112





SJ28 Sheet 108





SJ29 Sheet 108

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MERSEYSIDE	

NW205 Ref. 426	
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MERSEYSIDE	



SJ39 **Sheet 108**





SJ79

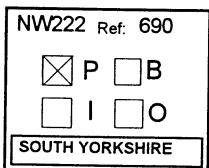
Sheet 109



SJ89 **Sheet 109**

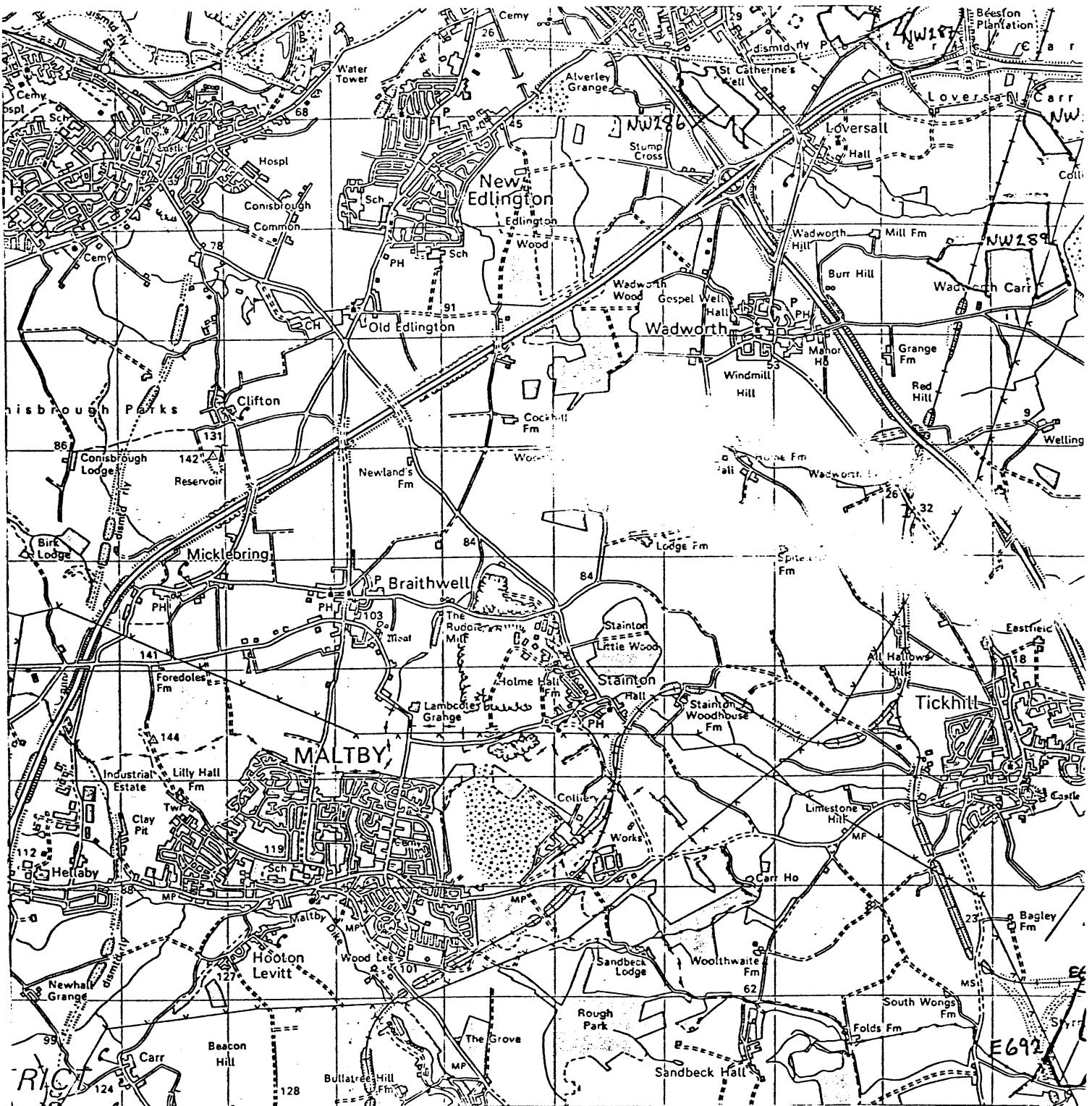


SK48 Sheet 111





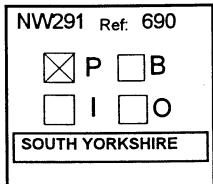
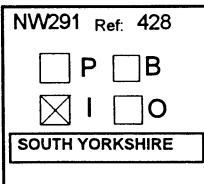
SK49 Sheet 111



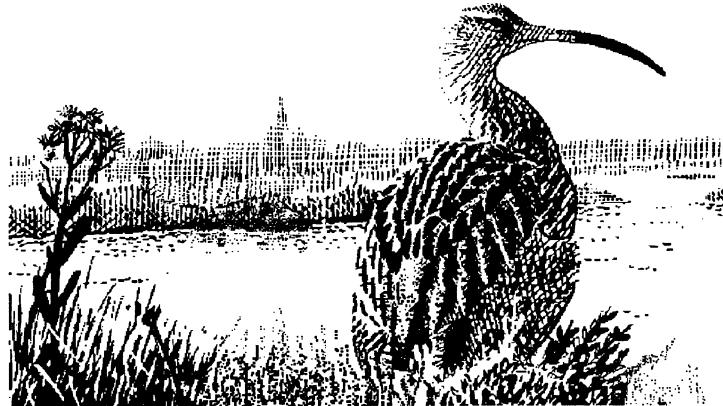
SK59 Sheet 111



SK69 Sheet 111



**LOWLAND WET
GRASSLAND**



R E S O U R C E S U R V E Y

**LOWLAND WET GRASSLAND
BIOTA REFERENCE INVENTORY**

BIOTA REFERENCE INVENTORY

All references listed follow a standard format, based on information recorded on pro-formas and entered into a PARADOX relational database. The page numbers on the bibliographic references relate to a PARADOX reporting structure, and should be ignored. Required references should be located by their Ref_key. The details for each bibliographic reference are as follows:

Ref_key	Unique reference number, ordered in sequence of entry to database. References are presented in ascending order. References restricted to other English Nature regions are presented in the relevant volumes, therefore there are gaps in the number sequence. The Ref_key number has no further significance other than use for an indexing system.
Date_year	Date of reference publication/production.
Status_code	Y - Details in English Nature STATUS Database N - Details not found in STATUS Database
Title	Title of report or information source. For Invertebrate Site Register (ISR) records the site name is entered here.
Location_code	English Nature office location code, as used in STATUS database. Location codes are as follows:

ATT	Attingham	NW	Newcastle
ATTB	Overhaddon	NWL	Leyburn
ATTM	Malvern	NWY	York
ATTW	Banbury	P	Peterborough HQ
BR	Foxhold	PG	Grantham
BRD	Devizes	PH	Beds, Cambs, & Northants Team
BRL	Lyndhurst	T	Taunton
M	Bowness	TK	Trelissick
MB	Blackrod	TS	Slepe Farm
MW	Wakefield	TT	Okehampton
N	Norwich	W	Wye
NB	Bury St. Edmunds	WL	Lewes
NC	Colchester	WLN	London

Authors	Names of authors. For ISR records the ISR site code is given.
Publisher	Name of publisher
Site_no	Number of sites surveyed
Confidential	Y - report listed as confidential N - report not listed as confidential
Area	Included in the database for area of survey figures. This category has not been used, as survey areas rarely correspond accurately with

lowland wet grassland blocks, and an area of survey figure could be misleading in the context of this contract.

Species Types of biota surveyed. (Plants, invertebrates, birds, other) X in box indicates type(s) present.

Management X in box indicates that source has details of ditch and or grassland management.

Information X in box indicates that source has details of historical use, (site) evaluation or water quality information.

Attributes X in box indicates that report has details of negative, positive or potential character of wet grassland blocks.

Habitat_type Habitat types are coded as follows:

NCR	Nature Conservation Review
NVC	National Vegetation Classification
Other	Other type (specified in abstract)
Page	Page grassland classification
Phase 1	English Nature Standard
Phase 2	English Nature Standard
Phase 3	English Nature Standard

Method_type Standard methods of survey are listed as follows:

Ditch Length	
Other	Specified on abstract
Quadrat	
Transect	
Trap	Invertebrates

For ISR records methods are not given, as information is from non-standard sources.

Abstract A brief summary of other information from the source is given where access was available to the original report. Information given in other sections is not duplicated. Where other sections have been coded as **Other**, further information is given if it was available.
Important features of interest are listed (eg. presence, location and area of MG4 vegetation).

The abstract can be prefixed with the following codes:

DOS - Date of survey

TOS - Time of survey

Other S-H - Source contains information on other species and habitats.

If these codes are missing the information was not present or not explicit enough for inclusion.

ISR (Invertebrate Site Register) sources are treated differently. ISR records have been included where they occur **within**, or in **close proximity** to wet grassland blocks.

The name of the ISR record is added to the **Title** record, and the ISR site code is added to the **Authors** record.

For ISR records the abstract is prefixed with the following codes:

NOR - Number of records

NOS - Number of species recorded

NRDB - Number of RDB (Red Data Book) species recorded

NON - Number of Notable species recorded

SY - Source Years. The number of information sources that exist for a site divided by the number of years that records have been recorded for that site.

Block #	Wet grassland block numbers corresponding with geographical areas from the reference survey.
Status	Y - Block has conservation status (eg: SSSI, NNR, RAMSAR) N - Block status is uncertain
	Great care must be taken when interpreting this column. It is not a complete or exhaustive reference for conservation status. This information was often not present in reports, or was difficult or impossible to assign geographically. This field has primarily been included in the database for English Nature to develop at will.
Coverage	C - Complete coverage. Indicates that survey data corresponds exactly with the identified wet grassland block boundary (unusual). P - Partial coverage. Indicates that survey data listed in the reference relates to only a portion of the wet grassland block, and may also refer to ground in the vicinity of, but outside, the wet grassland block. The letter prefix indicates the English Nature region that the block is sourced from (eg. NW17 is block No. 17 in the North West region). To locate blocks refer to the block reference listings in the Block Details section at the end of this document using the block number. These contain the 8 figure alpha-numeric block centroid grid reference. The 10km square reference can be calculated from this. (eg: NW17 grid reference NY214579 will be found in 10km square NY25). The required block can then be found by referring to the 10km maps bound in this regional volume. They are arranged in ascending alpha-numeric code. Maps are only included if they contain wet grassland blocks identified in Modules 1 or 2 of this survey. Therefore there will not be entire map coverage of an English Nature region. The map section starts with a regional distribution map, which provides a key for the 10km maps.

Ref_key : 2	Date_year : 1986	Status_code : Y
Title : Survey & evaluation of mesotrophic grassland in W. Cumbria		<input type="text" value="Location_code"/>
Authors : Marsden. J, Mitchell. C & Shaw. D.		
Publisher : NCC/NW	Site_no : 151	
Confidential : N	Area :	

Block #	Status	Coverage
NW18	Y	P
NW24	N	P

Species:	<input checked="" type="checkbox"/> Plants	<input type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input checked="" type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input checked="" type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
NVC	Quadrat

Abstract : Scope: DOS 1977-85 Abstract: EFU community types, and NVC. 1985 survey worked on 10 best sites identified in 79/80 EFU survey and assessed for SSSI nomination. Rank of all sites given for 1985 survey, MG 4: 2.3ha at NY 366 291, up to 14.7ha at NY 253 524, up to 9.3ha at NY 075 988.

Ref_key : 3	Date_year : 1987	Status_code : Y	Location_code	Block #	Status	Coverage
Title : A botanical survey of hay meadows and other lowland grassland types in N & E Cumbria						
Authors : Densley, R				NW42	N	P
Publisher : NCC/NW		Site_no : 78		NW7	N	P
Confidential : N		Area :				

Species:	<input checked="" type="checkbox"/> Plants	<input type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input checked="" type="checkbox"/> Grassland	
Information:	<input checked="" type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
NVC Phase 2	Quadrat

Abstract :	Scope: DOS 1986/TOS May-Sep/Other S-H Abstract: Excludes Lake District NP. Sites were evaluated for SSSI selection. Best 27 sites described in more detail. NVC: MG 1, 3, 4, 5, 6, 7 & 9. Much detail on MG5 sites. MG 4, 1ha at NY 452 613 (NW7).
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Ref_key : 4	Date_year : 1986	Status_code : Y
Title : A botanical survey of mesotrophic grassland in Lancashire		Location_code MB
Authors : Taylor, I		
Publisher : NCC/NW	Site_no : 62	
Confidential : N	Area :	

Block_#	Status	Coverage
NW107	N	P
NW97	N	P

Species:	<input checked="" type="checkbox"/> Plants	<input type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input checked="" type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type NVC Phase 2	Method_type Quadrat
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Abstract : Scope: DOS 1986/TOS May-Sep Abstract: NVC: MG1, 3, 4, 5, 6-10. CG2 and sub-comms. Sites graded into three tiers based upon species richness. MG4: 1.7ha at SD 645 655.

Ref_key : 5 Date_year : 1986 Status_code : Y

Title : Survey and evaluation of mesotrophic grassland
in S. Cumbria Location_code

Authors : Clayden, D & Slater, I

Publisher : NCC/NW Site_no : 145

Confidential : N Area :

Block_#	Status	Coverage
NW41	N	P
NW54	N	P
NW55	N	P
NW70	N	P

Species: Plants Inverts
 Birds Other

Management: Ditch Grassland

Information: Historical Evaluation Water Quality

Attributes: Negative Positive Potential

Habitat_type
NCR
NVC
Other

Method_type
Other
Quadrat

Abstract : Scope: DOS 1979 on/TOS Summer Abstract: Survey aimed to obtain overview of gathered data in S. Cumbria SSSI scheduling unit. Promising sites resurveyed in 1985. MG4 1.3ha at SD 78/15.

Ref_key : 6	Date_year : 1982	Status_code : N
Title : BTO survey of breeding birds on wet meadows in Lancashire.		<input type="text" value="Location_code"/>
Authors : BTO		
Publisher : BTO	Site_no :	
Confidential : N		Area :

Block #	Status	Coverage
NW101	N	P
NW103	N	P
NW104	N	P
NW106	N	P
NW110	N	P
NW94	N	P

Species:	<input type="checkbox"/> Plants	<input type="checkbox"/> Inverts	
	<input checked="" type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
<input type="text" value="Other"/>	

Abstract : Scope: DOS 1982/TOS Apr-Jun Abstract: Standard BTO record cards. Concentrated on Lapwing, Snipe, Curlew, Redshank & Oystercatcher breeding on damp lowland grasslands.

Ref_key : 7 Date_year : Status_code : N

Title : BTO register of ornithological sites. Lancashire

Block #	Status	Coverage
NW103	N	P
NW105	N	P
NW110	N	P
NW189	N	P
NW196	N	P
NW94	N	P
NW97	N	P

Authors : BTO

Publisher : BTO Site_no :

Confidential :Y Area :

Species: Plants Inverts
 Birds Other

Management: Ditch Grassland

Information: Historical Evaluation Water Quality

Attributes: Negative Positive Potential

Habitat_type
Other

Method_type
Other

Abstract : Scope: Abstract: Standard BTO methodology. No dates/authors.

Ref_key : 8	Date_year : 1983	Status_code : Y
Title : A botanical survey of the dykes in the Hatfield area of S. Yorkshire		Location_code <input type="text" value="P"/>
Authors : Bond,S. M.		
Publisher : NCC/NE	Site_no : 114	
Confidential : N	Area :	

Block #	Status	Coverage
NW292	N	P
NW293	N	P
NW294	N	P
NW295	N	P
NW296	N	P
NW297	N	P

Species:	<input checked="" type="checkbox"/> Plants	<input type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input checked="" type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input checked="" type="checkbox"/> Historical	<input checked="" type="checkbox"/> Evaluation	<input checked="" type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
Phase 1	Ditch Length
Phase 2	

Abstract :	Scope: TOS Jun-Aug Abstract: Phase 1 survey categorised ditches by degrees of wetness, vegetation diversity and management regimes. Phase 2 survey conducted on ditches of greatest botanical interest.
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Ref_key : 203 Date_year : 1982 Status_code :

Title : Survey of breeding waders of wet meadows. - Lancashire.

Location_code

Authors : Doody, P. & others.

Publisher : Site_no :

Confidential :N

Area :

Block_#	Status	Coverage
NW101	N	P
NW103	N	P
NW104	N	P
NW105	N	P
NW106	N	P
NW110	N	P
NW94	N	P
NW98	N	P

Species: Plants

Inverts

Other

Management: Ditch

Grassland

Information: History

Evaluation

Attributes: Negative

Positive Potential

Attributes: Negative Positive Potential

Habitat_type

Method_type

Abstract :

Ref_key : 206	Date_year : 1982	Status_code :	
Title : Survey of breeding waders of wet meadows. - Merseyside.			Location_code
Authors : Doody, P. & others.			
Publisher :	Site_no :		
Confidential : N		Area :	

Species:	<input type="checkbox"/> Plants	<input type="checkbox"/> Inverts	
	<input checked="" type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :

Ref_key : 220 Date_year : 1982 Status_code :

Title : Survey of breeding waders of wet meadows. -
Yorkshire.

Location_code

Block #	Status	Coverage
NE75	N	P
NE80	N	P
NE97	N	P
NW220	N	P
NW271	N	P

Authors : Doody, P. & others.

Publisher : Site_no :

Confidential : N Area :

Species: Plants Inverts
 Birds Other

Management: Ditch Grassland

Information: Historical Evaluation Water Quality

Attributes: Negative Positive Potential

Habitat_type

Method_type

Abstract :

Ref_key : 382	Date_year :	Status_code :	Block_#	Status	Coverage
			NW38	N	P
Title : Mirehouse & Stanley Ponds. NX 9814.			Location_code		
Authors : ISR 19T5.					
Publisher :		Site_no :			
Confidential : Y		Area :			
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>					
Habitat_type		Method_type			
Abstract : R: 6. S: 6. RDB: 0. N: 0. SY: 3. Pond with good emergent vegetation, surrounding reed beds and carr and associated small mixed woodland.					

Ref_key : 383	Date_year :	Status_code :	Block_#	Status	Coverage
Title : Low Church Moss. NY 0105.			NW40	N	P
Authors : ISR 19XH.			Location_code		
Publisher :		Site_no :			
Confidential : Y		Area :			
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>					
Habitat_type		Method_type			
Abstract: R: 27. S: 26. RDB: 0. N: 9. SY: 8. Wetland site with a variety of habitats including wet heath, acidic marshy grassland, tall fen and swamp and willow scrub.					

Ref_key : 384	Date_year :	Status_code :	Block_#	Status	Coverage
			NW26	N	P
			NW27	N	P
Title : Salta Moss. NY 0845.			Location_code		
Authors : ISR 19MC.					
Publisher :		Site_no :			
Confidential : Y		Area :			

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type

Method_type

Abstract :	R: 5. S: 5. RDB: 0. N: 2. SY: 3. Coastal peatland within 1km of Solway shore. Modified by peat working and drainage ditches. Only one area of open water remains and is being encroached by common reed.
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Ref_key : 385	Date_year :	Status_code :	
Title : Thornhill Moss and Meadows. NY 1748.			Location_code
Authors : ISR 19NO.			
Publisher :	Site_no :		
Confidential : Y		Area :	
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>			
Habitat_type		Method_type	
<p>Abstract : R: 1. S: 1. RDB: 0. N: 0. SY: 1. Area of moss and acidic marshy grasslands. The moss flushes support acidic poor-fen vegetation. Acid areas dominated by bottle sedge and sharp-flowered rush. Herbs represented include marsh cinquefoil and marsh bedstraw. Intermediate conditions support bogbean and bog mosses whereas more basic fen supports marsh lousewort and marsh marigold.</p>			

Ref_key : 386	Date_year :	Status_code :
Title : R. Waver. NY 2051.		Location_code
Authors : ISR 19MJ.		
Publisher :	Site_no :	
Confidential : Y		Area :

Block #	Status	Coverage
NW24	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 2. S: 1. RDB: 0. N: 0. SY: 11. Slow flowing lowland river, including stretch at Lessonhall, with good marginal growth of *Phalaris* etc. and sheltered by deep embankments.
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Ref_key : 387	Date_year :	Status_code :	
Title : Colmire Sough. NY 2250.		Location_code	
Authors : ISR 19UK.			
Publisher :	Site_no :		
Confidential : Y	Area :		

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 7. S: 7. RDB: 0. N: 4. SY: 5. An area of open water, mire, mixed wood, scrub, sallow carr and marginal grassland. The marginal vegetation around the mere contains reed, yellow flag and burr-reed.
------------	--

Ref_key : 388	Date_year :	Status_code :	<table border="1"><tr><th>Block #</th><th>Status</th><th>Coverage</th></tr><tr><td>NW31</td><td>N</td><td>P</td></tr></table>	Block #	Status	Coverage	NW31	N	P
Block #	Status	Coverage							
NW31	N	P							
Title : Braithwaite Moss. NY 2324.		Location_code							
Authors : ISR 19PE.									
Publisher :	Site_no :								
Confidential : Y	Area :								
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>									
Habitat_type		Method_type							
Abstract : R: 3. S: 2. RDB: 0. N: 2. SY: 3. Extensive marsh bordering Bassenthwaite lake. Some areas of sallow carr.									

Ref_key : 389	Date_year :	Status_code :
Title : Biglands Bog. NY 2553.		Location_code
Authors : ISR 19GK.		
Publisher :	Site_no :	
Confidential : Y	Area :	

Block #	Status	Coverage
NW18	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract:	R: 12. S: 12 RDB: 4. N: 5. SY: 4. Small bog lies in a shallow river valley on a bed of glacial drift. Site contains areas of acidic mire and eutrophic fen. Wet, rushy grassland at the edge of the bog contains marsh marigold.
-----------	--

Ref_key : 390	Date_year :	Status_code :	
Title : Finglandrigg Wood NNR. NY 2756.			Location_code
Authors : ISR 19GV.			
Publisher :	Site_no :		
Confidential : Y		Area :	

Block #	Status	Coverage
NW18	Y	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract:	R: 18. S: 18. RDB: 1. N: 2. SY: 5. An area of mixed woodland, open heath and grassland. On the margins of the site are extensive areas of grassland, mostly dominated by purple-moor grass. Here herbaceous plants include devils-bit scabious and graeter bird's-foot trefoil.
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Ref_key : 391	Date_year :	Status_code :
Title : Brothers Water. NY 4012.		Location_code
Authors : ISR 19XB.		
Publisher :	Site_no :	
Confidential : Y		Area :

Block_#	Status	Coverage
NW52	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 5. S: 4. RDB: 1. N: 0. SY: 1. Nutrient poor lake, fringed by swamp and birch/willow carr grading into acid marshy grassland and/or neutral grassland with scattered trees.
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Ref_key : 392	Date_year :	Status_code :
Title : Drigg Coast. SD 0696.		Location_code
Authors : ISR 19GJ.		
Publisher :	Site_no :	
Confidential : Y		Area :

Block #	Status	Coverage
NW59	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract : R: 55. S: 147. RDB: 2. N: 40. SY: 67. Site borders three river estuaries. Habitats include extensive dune systems with many slacks and old bomb craters, saltmarsh, shingle beaches, dune heath and a damp meadow. The damp meadow is known as "Rushy Meadow" and is particularly rich in flowering plants.

Ref_key : 393	Date_year :	Status_code :	
Title : Muncaster Estate. SD 1096.			Location_code
Authors : ISR 19PR.			
Publisher :	Site_no :		
Confidential : Y		Area :	
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>			
Habitat_type		Method_type	
Abstract : R: 25. S: 23. RDB: 0. N: 9. SY: 5. Large estate around Muncaster Castle. There is a long established artificial tarn with associated rich marshland and wetlands associated with the old decoy. Some areas of damp meadow, scrub and conifer plantation.			

Ref_key : 394	Date_year :	Status_code :
Title : North Walney. SD 1772.		Location_code
Authors : ISR 19RD.		
Publisher :	Site_no :	
Confidential : Y		Area :

Block_#	Status	Coverage
NW75	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 51. S: 43. RDB: 0. N: 18. SY: 25. Area comprising dunes overlying shingle, lightly grazed marsh and some saltmarsh.
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Ref_key : 395	Date_year :	Status_code :
Title : Fox's Wood. SD1885.		Location_code
Authors : ISR 19S6.		
Publisher :	Site_no :	
Confidential : Y		Area :

Block #	Status	Coverage
NW70	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 3. S: 3. RDB: 0. N: 0. SY: 0. Mixed woodland, mainly broadleaved, with associated damp pasture and meadows.
------------	--

Ref_key : 396	Date_year :	Status_code :	
Title : Little White Moss. SD 2285.		Location_code	
Authors : ISR 19HY.			
Publisher :	Site_no :		
Confidential :Y		Area :	
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>			
Habitat_type		Method_type	
Abstract : R: 39. S: 37. RDB: 0. N: 16. SY 13. Low lying peat moss adjacent to the Duddon Estuary. It is very wet and supports a varied flora.			

Ref_key : 397	Date_year :	Status_code :	
Title : Freshfield Dune Heath. SD 2909.			Location_code
Authors : ISR 19SO.			
Publisher :	Site_no :		
Confidential :Y		Area :	

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 3. S: 3. RDB: 0. N: 1. SY: 2. Adjacent to Ainsdale Sand Dunes NNR. Dune heath and pasture are principle habitats. Pasture characterised by acidic grassland or more neutral grassland, the latter area including creeping willow.
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Ref_key : 398	Date_year :	Status_code :
Title : South Ulverston. SD 3077.		Location_code
Authors : ISR 19JR.		
Publisher :	Site_no :	
Confidential : Y	Area :	

Block_#	Status	Coverage
NW85	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive
		<input type="checkbox"/> Water Quality
		<input type="checkbox"/> Potential

Habitat_type

Method_type

Abstract : R: 4. S: 4. RDB: 0. N: 1. SY: 2.

Ref_key : 399	Date_year :	Status_code :	Block #	Status	Coverage
			NW77	N	P
Title : Ireland Moss. SD 3384.			Location_code		
Authors : ISR 19PO.					
Publisher :		Site_no :			
Confidential : Y		Area :			
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>					
Habitat_type		Method_type			
Abstract : R: 4. S: 4. RDB: 0. N: 0. SY: 2.					

Ref_key : 400	Date_year :	Status_code :	Location_code
Title : Hay Bridge. SD 3387.			
Authors : ISR 19Z7.			
Publisher :	Site_no :		
Confidential : Y		Area :	

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 12. S: 12. RDB: 0. N: 4. SY: 1. Area of scrub and woodland with open areas and open water.
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Ref_key : 401	Date_year :	Status_code :	
Title : Rusland Valley Mosses. SD 3388.			Location_code
Authors : ISR 19HU.			
Publisher :	Site_no :		
Confidential : Y		Area :	
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>			
Habitat_type		Method_type	
Abstract : R: 62. S: 54. RDB: 2. N: 22. SY: 19. Series of raised valley mires. On the margins of the peatland are a variety of grassland types, the wetter areas supporting meadowsweet, the drier areas with devil's-bit scabious.			

Ref_key : 402	Date_year :	Status_code :
Title : Stribers Moss. SD 346 813.		Location_code
Authors : ISR 19A4.		
Publisher :	Site_no :	
Confidential :Y		Area :

Block #	Status	Coverage
NW83	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract : R: 23. S: 23. RDB: 0. N: 9. SY: 7.

Ref_key : 403	Date_year :	Status_code :	Block_#	Status	Coverage
Title : Holker Park. SD 3577.			NW87	N	P
Authors : ISR 19E9.			Location_code		
Publisher :		Site_no :			
Confidential : Y		Area :			
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>					

Habitat_type	Method_type
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Abstract : R: 2. S: 2. RDB: 0. N: 0. SY: 1.

Ref_key : 404	Date_year :	Status_code :
Title : Speel Bank. SD 3581.		Location_code
Authors : ISR 19NG.		
Publisher :	Site_no :	
Confidential : Y		Area :

Block_#	Status	Coverage
NW83	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 2. S: 1. RDB: 0. N: 1. SY: 10. Area of marshy moorland rising steeply from coast. Run-off from one wet area is dammed forming a shallow peaty pool. There is also a stream and ditch associated with the site.
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Ref_key : 405	Date_year :	Status_code :	<table border="1"><tr><td>Block_#</td><td>Status</td><td>Coverage</td></tr><tr><td>NW81</td><td>N</td><td>P</td></tr></table>	Block_#	Status	Coverage	NW81	N	P
Block_#	Status	Coverage							
NW81	N	P							
Title : Fell Foot Wood and Meadows. SD 3786.			<input type="text" value="Location_code"/>						
Authors : ISR 19KS.									
Publisher :	Site_no :								
Confidential :Y		Area :							
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>									
<input type="text" value="Habitat_type"/>		<input type="text" value="Method_type"/>							
Abstract : R: 3. S: 3. RDB: 1. N: 0. SY: 3. Margin of River Leven, with reed, rush and yellow flag, and adjacent meadow and woodland.									

Ref_key : 406	Date_year :	Status_code :
Title : Pilling Moss. SD 4046.		Location_code
Authors : ISR 19SP.		
Publisher :	Site_no :	
Confidential : Y		Area :

Block_#	Status	Coverage
NW115	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract : R: 6. S: 6. RDB: 0. N: 0. SY: 1.

Ref_key : 407	Date_year :	Status_code :
Title : Martin Mere. SD 4214.		Location_code
Authors : ISR 19JK.		
Publisher :	Site_no :	
Confidential : Y	Area :	

Block_#	Status	Coverage
NW189	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 8. S: 8. RDB: 0. N: 2. SY: 6. Wetland complex of open-water, marsh and grassland communities overlying deep peat.
------------	--

Ref_key : 408	Date_year :	Status_code :	
Title : Nichols Moss. SD 43 82.		Location_code	
Authors : ISR 19LC.			
Publisher :	Site_no :		
Confidential :Y		Area :	

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 62. S: 60. RDB: 3. N: 23. SY: 15. Area of raised peat bog, woodland, scrub and grassland. Open areas support heather and cottongrass, lying in a mosaic of sphagnum and a variety of other peatland plants such as cranberry and sundew.
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Ref_key : 409	Date_year :	Status_code :		Block_#	Status	Coverage
Title : Cockerham & Winmarleigh Mosses. SD 4448.			Location_code	NW110	N	P
Authors : ISR 1917.						
Publisher :			Site_no :			
Confidential : Y			Area :			
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>						
Habitat_type		Method_type				
Abstract : R: 0. S: 11. RDB: 0. N: 4. SY: 10.						

Ref_key : 410	Date_year :	Status_code :	
Title : Bellart How Moss. SD 4583.		Location_code	
Authors : ISR 19LN.			
Publisher :	Site_no :		
Confidential : Y		Area :	

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract : R: 3. S: 3. RDB: 0. N: 0. SY: 2.

Ref_key : 411	Date_year :	Status_code :	Block_#	Status	Coverage
Title : Rufford Railway Hollows. SD 4615.			NW188	N	P
Authors : ISR 19SH.			Location_code		
Publisher :		Site_no :			
Confidential :Y		Area :			
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>					

Habitat_type

Method_type

Abstract : R: 8. S: 8. RDB: 0. N: 5. SY: 1.

Ref_key : 412	Date_year :	Status_code :	
Title : Arnside. SD 463 787.		Location_code	
Authors : ISR R453.			
Publisher :	Site_no :		
Confidential :Y		Area :	
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>			
Habitat_type		Method_type	
Abstract : R: 6. S: 3. RDB: 0. N: 3. SY: 4.			

Block #	Status	Coverage
NW98	N	P

Ref_key : 413	Date_year :	Status_code :	Block #	Status	Coverage
Title : Croston Pond. SD 4819.			NW185 N P		
Authors : ISR 19PS.			Location_code		
Publisher :	Site_no :				
Confidential : Y		Area :			

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract : R: 1. S: 1. RDB: 1. N: 0. SY: 9. Pond.

Ref_key : 414	Date_year :	Status_code :	
Title : Lyth Valley Levels. SD 4885.			Location_code
Authors : ISR 19SY.			
Publisher :	Site_no :		
Confidential : Y		Area :	

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 11. S: 11. RDB: 0. N: 5. SY: 3. Large area of grazing marsh with drainage ditches. Some saline influence, particularly in the main drain, with acid and base water. Grazed by sheep and cows.
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Ref_key : 415	Date_year :	Status_code :	
Title : Brigsteer Brow and Park Wood. SD 4889.			Location_code
Authors : ISR 19TP.			
Publisher :	Site_no :		
Confidential : Y		Area :	

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 13. S: 13. RDB: 1. N: 2. SY: 6. Brigsteer Brow is a short section of grassland. Violets, common rockrose and horseshoe vetch are all present.
------------	--

Ref_key : 416	Date_year :	Status_code :	<table border="1"><tr><td>Block_#</td><td>Status</td><td>Coverage</td></tr><tr><td>NW96</td><td>N</td><td>P</td></tr></table>	Block_#	Status	Coverage	NW96	N	P
Block_#	Status	Coverage							
NW96	N	P							
Title : Heversham. SD 4983.		Location_code							
Authors : ISR 19JO.									
Publisher :	Site_no :								
Confidential :Y		Area :							
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>									
Habitat_type		Method_type							
Abstract : R: 1. S: 1. RDB: 0. N: 0. SY: 0.									

Ref_key : 417	Date_year :	Status_code :	
Title : Hale Moss (not reserve). SD 505 777.			Location_code
Authors : ISR 1918.			
Publisher :	Site_no :		
Confidential : Y		Area :	

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts	
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract :	R: 7. S: 7. RDB: 0. N: 0. SY: 1. Acid grassland with herbs; grasses and *Sphagnum* below birch trees.
------------	---

Ref_key : 418	Date_year :	Status_code :	
Title : White Moss, Yealand. SD 5076.			Location_code
Authors : ISR 19YZ.			
Publisher :	Site_no :		
Confidential :Y		Area :	
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>			

Habitat_type	Method_type
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Abstract : R: 1. S: 1. RDB: 0. N: 1. SY: 1.

Ref_key : 419	Date_year :	Status_code :	
Title : Hale Moss Reserve. SD 5077.			Location_code
Authors : ISR 19MP.			
Publisher :	Site_no :		
Confidential :Y		Area :	
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>			
Habitat_type		Method_type	
Abstract : R: 54. S: 52. RDB: 0. N: 9. SY 12. Marsh, sallows and common reed.			

Ref_key : 420	Date_year :	Status_code :	Block #	Status	Coverage
			NW158	N	P
Title : Red Scar and Tunbrook Woods. SD 5932.			Location_code		
Authors : ISR 19UI.					
Publisher :		Site_no :			
Confidential : Y		Area :			
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>					
Habitat_type		Method_type			
Abstract : R: 5. S: 5. RDB: 0. N: 2. SY: 4. Woodlands situated on steep escarpment of R. Ribble.					

Ref_key : 421	Date_year :	Status_code :	Block_#	Status	Coverage
			NW162	N	P
Title : Hothersall Lodge. SD 6234.			Location_code		
Authors : ISR 19PT.					
Publisher :		Site_no :			
Confidential :Y		Area :			
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>					
Habitat_type		Method_type			
Abstract : R: 3. S: 3. RDB: 0. N: 1. SY: 1. An area of mixed woodland and permanent grassland.					

Ref_key : 422	Date_year :	Status_code :	Block #	Status	Coverage
Title : Empty record.			Location_code		
Authors :					
Publisher :		Site_no :			
Confidential : N			Area :		
<p>Species: <input type="checkbox"/> Plants <input type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>					
Habitat_type			Method_type		
Abstract :					

Ref_key : 423	Date_year :	Status_code :	
Title : Bentley Common. SE 5705.			Location_code
Authors : ISR 19ZY.			
Publisher :	Site_no :		
Confidential : Y		Area :	
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>			
Habitat_type		Method_type	
Abstract : R: 15. S: 15. RDB: 2. N: 7. SY: 23. "Levels" type area of unimproved pasture, dykes with rich aquatic vegetation.			

Ref_key : 424	Date_year :	Status_code :	Block #	Status	Coverage
Title : Thorpe Marsh. SE 5809.			NW247 N P		
Authors : ISR 19EO.			Location_code		
Publisher :	Site_no :				
Confidential : Y		Area :			
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>					
Habitat_type		Method_type			
Abstract : R: 34. S: 33. RDB: 0. N: 5. SY: 10. Complex of recently excavated and long established ponds and lake in area of ridged wet pasture.					

Ref_key : 425	Date_year :	Status_code :	<input type="button" value="Location_code"/>
Title : Potteric Carr. SE 5900.			
Authors : ISR 19DW.			
Publisher :	Site_no :		
Confidential : Y		Area :	
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>			
<input type="button" value="Habitat_type"/>		<input type="button" value="Method_type"/>	
Abstract : R: 121. S: 117. RDB: 3. N: 35. SY: 70. Complex mosaic of reedfen, open water and carr.			

Ref_key : 426	Date_year :	Status_code :
Title : Moreton. SJ 2590.		Location_code
Authors : ISR 19QG.		
Publisher :	Site_no :	
Confidential : Y	Area :	

Block_#	Status	Coverage
NW204	N	P
NW205	N	P

Species:	<input type="checkbox"/> Plants	<input checked="" type="checkbox"/> Inverts
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive
		<input type="checkbox"/> Water Quality
		<input type="checkbox"/> Potential

Habitat_type	Method_type
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Abstract : R: 1. S: 1. RDB: 1. N: 0. SY: 1. Grassland.
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Ref_key : 428	Date_year :	Status_code :	Block_#	Status	Coverage
Title : River Idle Floodplain. SK 662 936.			NW291	N	P
Authors : ISR 17QV.			Location_code		
Publisher :	Site_no :				
Confidential : Y	Area :				
<p>Species: <input type="checkbox"/> Plants <input checked="" type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>					
Habitat_type		Method_type			
Abstract : R: 9. S: 7. RDB: 1. N: 1. SY: 8. Drains pools and margins in the floodplain of the River Idle between Bawtry and Misterton.					

Ref_key : 688	Date_year : 1986	Status_code : N	
Title : Survey and evaluation of Mesotrophic Grassland in West Cumbria.			Location_code P
Authors : Marsden, J., Mitchell, C. & Shaw, D.			
Publisher :	NCC/NW	Site_no :	46
Confidential :		Area :	
<p>Species: <input checked="" type="checkbox"/> Plants <input type="checkbox"/> Inverts <input type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input checked="" type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>			
Habitat_type		Method_type	
NVC Phase 2			
Abstract : Scope: DOS 1985/TOS. Abstract: Summary of interest selects higher quality sites and gives NGR's. Drigg Holme (SD 075 988) 9.3ha - main stand MG4.			

Ref_key : 690	Date_year : 1989	Status_code : N
Title : Survey and evaluation of selected grasslands in South Yorkshire.		Location_code
		MW
Authors : Dargie, T.		P
Publisher : NCC/NW	Site_no : 346	
Confidential :	Area :	

Block #	Status	Coverage
NW219	N	P
NW222	N	P
NW229	Y	P
NW241	N	P
NW254	N	P
NW280	N	P
NW291	N	P

Species:	<input checked="" type="checkbox"/> Plants	<input type="checkbox"/> Inverts
	<input type="checkbox"/> Birds	<input type="checkbox"/> Other
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland
Information:	<input type="checkbox"/> Historical	<input checked="" type="checkbox"/> Evaluation
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive
		<input type="checkbox"/> Water Quality
		<input type="checkbox"/> Potential

Habitat_type	Method_type
NVC	Quadrat
Other	

Abstract :	Scope: DOS 1987/TOS Apr-Sep. Abstract: Maps of distribution of TWINSPLAN endgroups. NVC survey, NVC types found: . MG 4, 5, 6, 9, 10, 13, CG 5. MG 4 at the following NGR's: SE 633 181, SE 653 184, SE 657 156, SE648 182, SE 648 180, SE 585 060, SE 646 175.
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Ref_key : 695	Date_year : 1993	Status_code : N
Title : Breeding waders on agricultural land in Scotland and Northern England		<input type="text" value="Location_code"/>
Authors : Scottish Ornithological Club (SOC) and RSPB		
Publisher :	SOC & RSPB	Site_no : 100
Confidential :		Area :

Block #	Status	Coverage
NE191	N	P
NW105	N	P
NW126	N	P
NW157	N	P

Species:	<input type="checkbox"/> Plants	<input type="checkbox"/> Inverts	
	<input checked="" type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Habitat_type	Method_type
Other	Other

Abstract : Scope: DOS 1992-3/TOS 18 Apr-19Jun. Abstract: Survey of common breeding waders using field by field survey, walking all parts to within 100 metres. A total of 100 random 1km squares selected for Northern England, covering very different terrain types. Only a small proportion falls on lowland wet grassland. Land management records.

Ref_key : 697	Date_year : 1993	Status_code :
Title : National Waterfowl Counts 1960-61 & 1992-93. Cumbria		<input type="text" value="Location_code"/>
Authors : Wildfowl and Wetlands Trust		
Publisher :	Site_no :	
Confidential :	Area :	

Block #	Status	Coverage
NW10	N	P
NW11	N	P
NW2	N	P
NW3	N	P
NW35	N	P
NW36	N	P
NW37	N	P
NW46	N	P
NW58	N	P
NW62	N	P
NW76	N	P
NW77	N	P
NW8	N	P
NW81	N	P
NW82	N	P
NW9	N	P

Species:	<input type="checkbox"/> Plants	<input type="checkbox"/> Inverts	
	<input checked="" type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Abstract : Info held at Wildfowl and Wetlands Trust

Ref_key : 698	Date_year : 1993	Status_code :
Title : National Waterfowl Counts 1960-61 & 1992-93. Lancashire		<input type="text" value="Location_code"/>
Authors : Wildfowl and Wetlands Trust		
Publisher :	Site_no :	
Confidential :	Area :	

Block #	Status	Coverage
NW101	N	P
NW102	N	P
NW103	N	P
NW110	N	P
NW115	N	P
NW116	N	P
NW158	N	P
NW159	N	P
NW160	N	P
NW161	N	P
NW162	N	P
NW163	N	P
NW164	N	P
NW170	N	P
NW171	N	P
NW172	N	P
NW187	N	P
NW188	N	P
NW196	N	P

Species:	<input type="checkbox"/> Plants	<input type="checkbox"/> Inverts	
	<input checked="" type="checkbox"/> Birds	<input type="checkbox"/> Other	
Management:	<input type="checkbox"/> Ditch	<input type="checkbox"/> Grassland	
Information:	<input type="checkbox"/> Historical	<input type="checkbox"/> Evaluation	<input type="checkbox"/> Water Quality
Attributes:	<input type="checkbox"/> Negative	<input type="checkbox"/> Positive	<input type="checkbox"/> Potential

Abstract : Info held at Wildfowl and Wetlands Trust

Ref_key : 731	Date_year : 1989	Status_code :	Location_code	Block_#	Status	Coverage
Title : Breeding Waders of Wet Meadows Survey. Cumbria				NW58	N	P
Authors : RSPB				NW82	N	P
Publisher :		Site_no :				
Confidential :		Area :				
<p>Species: <input type="checkbox"/> Plants <input type="checkbox"/> Inverts <input checked="" type="checkbox"/> Birds <input type="checkbox"/> Other</p> <p>Management: <input type="checkbox"/> Ditch <input type="checkbox"/> Grassland</p> <p>Information: <input type="checkbox"/> Historical <input type="checkbox"/> Evaluation <input type="checkbox"/> Water Quality</p> <p>Attributes: <input type="checkbox"/> Negative <input type="checkbox"/> Positive <input type="checkbox"/> Potential</p>						
Habitat_type			Method_type			
Abstract : Resampling Survey						

Ref_key : 738 Date_year : 1989 Status_code :

Block #	Status	Coverage
NW105	N	P
NW94	N	P

Title : Breeding Waders of Wet Meadows Survey.
Lancashire

Location_code

Authors : RSPB

Publisher : Site_no :

Confidential : Area :

Species: Plants Inverts
 Birds Other

Management: Ditch Grassland

Information: Historical Evaluation Water Quality

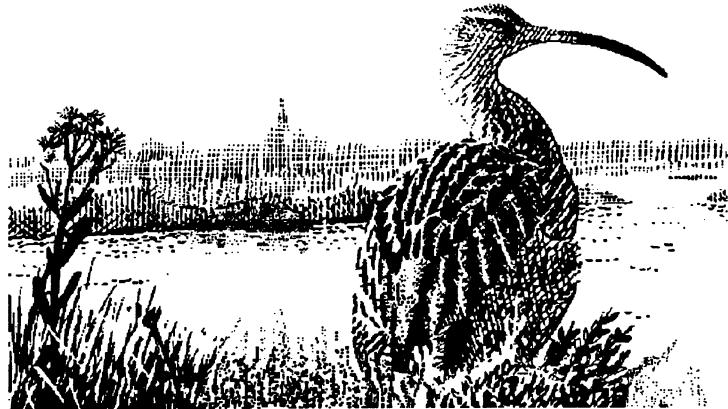
Attributes: Negative Positive Potential

Habitat_type

Method_type

Abstract : Resampling Survey

**LOWLAND WET
GRASSLAND**



R E S O U R C E S U R V E Y

**LOWLAND WET GRASSLAND
BLOCK DETAILS**

NORTH-WEST REGION

Key to codes used in listing

- Source
- 1 County/district Phase 1 survey
 - 2 SSSI habitat map
 - 3 Published report (see text for reference)
 - 4 Other type(s) of survey (see text for details)
 - 5 Air photo interpretation

Origin (soil parent material): M=marine alluvium R=river alluvium P=peat
O=other non-marine

Block Number	Grid Reference	OS 1:50,000 sheet number	County or District	Survey source type	Area (hectares)	Soil parent material type
NW1	NY335665	85	CUMBRIA	1	95	M
NW2	NY355655	85	CUMBRIA	1	51	R
NW3	NY370665	85	CUMBRIA	1	144	R
NW4	NY385657	85	CUMBRIA	1	64	R
NW5	NY351650	85	CUMBRIA	1	10	R
NW6	NY346640	85	CUMBRIA	1	96	O
NW7	NY435611	85,86	CUMBRIA	1	297	R
NW8	NY445598	85	CUMBRIA	1	83	O
NW9	NY430575	85	CUMBRIA	1	65	O
NW10	NY445575	85	CUMBRIA	1	74	O
NW11	NY423564	85	CUMBRIA	1	78	O
NW12	NY310585	85	CUMBRIA	11	38	O
NW13	NY280590	85	CUMBRIA	1	1243	M
NW14	NY259606	85	CUMBRIA	1	17	M
NW15	NY254610	85	CUMBRIA	1	14	M
NW16	NY190607	85	CUMBRIA	1	208	M,O
NW17	NY214579	85	CUMBRIA	1	88	M
NW18	NY245575	85	CUMBRIA	1	1715	M
NW19	NY240505	85	CUMBRIA	1	188	M
NW20	NY279489	85	CUMBRIA	1	29	O
NW21	NY272479	85	CUMBRIA	1	24	O
NW22	NY215480	85	CUMBRIA	1	167	R
NW23	NY169505	85	CUMBRIA	1	36	O
NW24	NY160530	85	CUMBRIA	1	2106	M,P
NW25	NY110500	85	CUMBRIA	1	907	M,P

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Block Number	Grid Reference	OS 1:50,000 sheet number	County or District	Survey source type	Area (hectares)	Soil parent material type
NW26	NY088462	85	CUMBRIA	1	34	M
NW27	NY100445	85	CUMBRIA	1	706	M,P
NW28	NY103438	85	CUMBRIA	1	30	M
NW29	NY127459	85	CUMBRIA	1	52	P
NW30	NY190308	89,90	CUMBRIA	1	56	R
NW31	NY240255	89,90	CUMBRIA	1	766	R
NW32	NY255234	89,90	CUMBRIA	1	9	R
NW33	NY154238	89,90	CUMBRIA	1	96	R
NW34	NY258185	89,90	CUMBRIA	1	71	O
NW35	NY255154	89,90	CUMBRIA	1	67	O
NW36	NY259142	89,90	CUMBRIA	1	40	O
NW37	NY245130	89,90	CUMBRIA	1	91	O
NW38	NX980130	89	CUMBRIA	1	108	R
NW39	NX968117	89	CUMBRIA	1	10	R
NW40	NY013050	89	CUMBRIA	1	43	M
NW41	NY290062	89,90	CUMBRIA	1	205	R
NW42	NY556395	90	CUMBRIA	1	47	O
NW43	NY556370	90	CUMBRIA	1	28	O
NW44	NY558359	90	CUMBRIA	1	20	O
NW45	NY499321	90	CUMBRIA	1	78	O
NW46	NY515185	90	CUMBRIA	1	127	R
NW47	NY437177	90	CUMBRIA	1	47	R
NW48	NY423180	90	CUMBRIA	1	38	R
NW49	NY395165	90	CUMBRIA	1	39	R
NW50	NY402145	90	CUMBRIA	1	43	R

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Block Number	Grid Reference	OS 1:50,000 sheet number	County or District	Survey source type	Area (hectares)	Soil parent material type
NW51	NY404135	90	CUMBRIA	1	29	R
NW52	NY402121	90	CUMBRIA	1	33	R
NW53	NY420045	90	CUMBRIA	1	63	R
NW54	NY460060	90	CUMBRIA	1	74	R
NW55	NY456035	90	CUMBRIA	1	70	R
NW56	NY492043	90	CUMBRIA	1	68	O
NW57	NY705185	91	CUMBRIA	1	23	R
NW58	NY715175	91	CUMBRIA	1	79	R
NW59	SD073978	96	CUMBRIA	1	156	R
NW60	SD095982	96	CUMBRIA	1	72	O
NW61	SD112992	96	CUMBRIA	1	68	O
NW62	SD120973	96	CUMBRIA	1	200	M
NW63	SD091930	96	CUMBRIA	1	163	R
NW64	SD091867	96	CUMBRIA	1	89	O
NW65	SD121830	96	CUMBRIA	1	33	P
NW66	SD145823	96	CUMBRIA	1	40	O
NW67	SD145800	96	CUMBRIA	1	194	O
NW68	SD150785	96	CUMBRIA	1	102	O
NW69	SD185793	96	CUMBRIA	1	128	M
NW70	SD190840	96	CUMBRIA	1	741	M,R
NW71	SD210862	96	CUMBRIA	1	70	R
NW72	SD230863	96	CUMBRIA	1	525	R,P
NW73	SD220797	96	CUMBRIA	1	261	R
NW74	SD193751	96	CUMBRIA	1	58	O
NW75	SD174718	96	CUMBRIA	1	47	O

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Block Number	Grid Reference	OS 1:50,000 sheet number	County or District	Survey source type	Area (hectares)	Soil parent material type
NW76	SD337889	96	CUMBRIA	1	57	P
NW77	SD344855	96,97	CUMBRIA	1	219	P
NW78	SD324838	96,97	CUMBRIA	1	53	P
NW79	SD309834	96,97	CUMBRIA	1	38	O
NW80	SD323825	96,97	CUMBRIA	1	62	M,P
NW81	SD375865	96,97	CUMBRIA	1	67	O
NW82	SD425818	96,97	CUMBRIA	1	2962	M
NW83	SD337812	96,97	CUMBRIA	1	94	M,P
NW84	SD305797	96,97	CUMBRIA	1	224	M
NW85	SD300770	96,97	CUMBRIA	1	172	M
NW86	SD305753	96,97	CUMBRIA	1	44	M
NW87	SD348786	96,97	CUMBRIA	1	244	M
NW88	SD375750	96,97	CUMBRIA	1	409	M
NW89	SD255685	96,97	CUMBRIA	1	293	M
NW90	SD235665	96,97	CUMBRIA	1	32	O
NW91	SD219685	96,97	CUMBRIA	1	12	O
NW92	SD193657	96,97	CUMBRIA	1	173	M
NW93	SD205632	96,97	CUMBRIA	1	85	M
NW94	SD430610	96,97,102	CUMBRIA	1	770	M
NW95	SD493850	97	CUMBRIA	1	25	M
NW96	SD485835	97	CUMBRIA	1	171	M
NW97	SD442775	97	CUMBRIA	1	9	O
NW98	SD470780	97	CUMBRIA, LANCASHIRE	1	137	M
NW99	SD515775	97	CUMBRIA, LANCASHIRE	1	274	P
NW100	SD612771	97	LANCASHIRE	1	57	R

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* - SD43NE 1:10,000 habitat map not available (sent to Peterborough for digitising) - area outside this is 1132 ha, with further 63 ha added to south in SD43NE using the 10 metre contour to define a boundary. The 63 ha addition would probably need changing once habitat map is available.

Block Number	Grid Reference	OS 1:50,000 sheet number	County or District	Survey source type	Area (hectares)	Soil parent material type
NW101	SD605742	97	LANCASHIRE	1	309	R
NW102	SD605747	97	LANCASHIRE	1	163	R
NW103	SD565675	97	LANCASHIRE	1	303	R
NW104	SD504720	97	LANCASHIRE	1	94	P
NW105	SD486699	97	LANCASHIRE	1	37	M
NW106	SD475680	97	LANCASHIRE	1	39	M
NW107	SD463655	97	LANCASHIRE	1	30	O
NW108	SD446600	97	LANCASHIRE	1	49	M,O
NW109	SD460600	97	LANCASHIRE	1	64	M,O
NW110	SD450510	102	LANCASHIRE	1	2064	M,P
NW111	SD429534	102	LANCASHIRE	1	21	M
NW112	SD438572	102	LANCASHIRE	1	16	M
NW113	SD422479	102	LANCASHIRE	1	13	M
NW114	SD432455	102	LANCASHIRE	1	22	P
NW115	SD390460	102	LANCASHIRE	1	1069	M,O
NW116	SD357479	102	LANCASHIRE	1	52	M
NW117	SD369475	102	LANCASHIRE	1	6	M
NW118	SD368457	102	LANCASHIRE	1	41	M,O
NW119	SD396440	102	LANCASHIRE	1	13	M
NW120	SD402438	102	LANCASHIRE	1	8	M
NW121	SD372435	102	LANCASHIRE	1	44	M
NW122	SD385416	102	LANCASHIRE	1	156	M
NW123	SD423433	102	LANCASHIRE	1	145	O
NW124	SD431423	102	LANCASHIRE	1	29	O
NW125	SD450405*	102	LANCASHIRE	1	1195*	R,P

Key to codes used in listing

Source	1	County/district Phase 1 survey
	2	SSSI habitat map
	3	Published report (see text for reference)
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	5	Air photo interpretation

Origin (soil parent material): M=marine alluvium R=river alluvium P=peat
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Block Number	Grid Reference	OS 1:50,000 sheet number	County or District	Survey source type	Area (hectares)	Soil parent material type
NW126	SD493436	102	LANCASHIRE	1	52	O
NW127	SD414370	102	LANCASHIRE	1	210	R,O
NW128	SD325448	102	LANCASHIRE	1	88	M
NW129	SD333420	102	LANCASHIRE	1	23	M
NW130	SD364397	102	LANCASHIRE	1	66	M
NW131	SD355387	102	LANCASHIRE	1	10	M
NW132	SD355365	102	LANCASHIRE	1	31	P
NW133	SD371350	102	LANCASHIRE	1	27	P
NW134	SD343325	102	LANCASHIRE	1	31	P
NW135	SD422354	102	LANCASHIRE	1	10	O
NW136	SD338304	102	LANCASHIRE	1	25	M
NW137	SD346306	102	LANCASHIRE	1	8	M
NW138	SD345298	102	LANCASHIRE	1	14	M
NW139	SD350293	102	LANCASHIRE	1	9	M
NW140	SD369291	102	LANCASHIRE	1	52	M
NW141	SD378286	102	LANCASHIRE	1	29	M
NW142	SD390290	102	LANCASHIRE	1	158	M
NW143	SD455295	102	LANCASHIRE	1	772	M
NW144	SD490295	102	LANCASHIRE	1	15	M
NW145	SD504285	102	LANCASHIRE	1	47	M
NW146	SD470270	102	LANCASHIRE	1	653	M
NW147	SD430257	102	LANCASHIRE	1	182	M
NW148	SD421248	102	LANCASHIRE	1	10	M
NW149	SD415235	102	LANCASHIRE	1	63	M
NW150	SD430230	102	LANCASHIRE	1	25	M

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Origin (soil parent material): M=marine alluvium R=river alluvium P=peat
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Block Number	Grid Reference	OS 1:50,000 sheet number	County or District	Survey source type	Area (hectares)	Soil parent material type
NW151	SD389203	102	LANCASHIRE	1	6	P
NW152	SD362205	102	LANCASHIRE	1	96	M
NW153	SD539282	102	LANCASHIRE	1	26	R
NW154	SD545280	102	LANCASHIRE	1	42	R
NW155	SD561288	102	LANCASHIRE	1	63	R
NW156	SD574293	102	LANCASHIRE	1	71	R
NW157	SD585305	102	LANCASHIRE	1	121	R
NW158	SD600320	102,103	LANCASHIRE	1	72	R
NW159	SD610330	102,103	LANCASHIRE	1	61	R
NW160	SD618334	102,103	LANCASHIRE	1	43	R
NW161	SD622338	102,103	LANCASHIRE	1	22	R
NW162	SD626341	102,103	LANCASHIRE	1	33	R
NW163	SD645348	102,103	LANCASHIRE	1	63	R
NW164	SD653349	102,103	LANCASHIRE	1	11	R
NW165	SD583279	102	LANCASHIRE	1	15	R
NW166	SD453240	102	LANCASHIRE	1	24	M
NW167	SD458214	102	LANCASHIRE	1	10	M
NW168	SD446209	102	LANCASHIRE	1	31	O
NW169	SD436200	102	LANCASHIRE	1	15	O
NW170	SD457200	102	LANCASHIRE	1	23	M
NW171	SD660485	102,103	LANCASHIRE	1	96	R
NW172	SD774464	103	LANCASHIRE	1	200	R
NW173	SD894445	103	LANCASHIRE	1	104	R
NW174	SE045445	104	WEST YORKSHIRE	1	96	R
NW175	SE396480	104	WEST YORKSHIRE	1	8	R

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Block Number	Grid Reference	OS 1:50,000 sheet number	County or District	Survey source type	Area (hectares)	Soil parent material type
NW176	SE395474	105	WEST YORKSHIRE	1	14	R
NW177	SE426267	105	WEST YORKSHIRE	1	15	R
NW178	SE438276	105	WEST YORKSHIRE	1	12	R
NW179	SE442273	105	WEST YORKSHIRE	1	29	R
NW180	SD352195	108	LANCASHIRE	1	37	M
NW181	SD423193	108	LANCASHIRE	1	51	O
NW182	SD404178	108	LANCASHIRE	1	11	P
NW183	SD425183	108	LANCASHIRE	1	25	O
NW184	SD465185	108	LANCASHIRE	1	31	R
NW185	SD483195	108	LANCASHIRE	1	13	R
NW186	SD495197	108	LANCASHIRE	1	18	R
NW187	SD480127	108	LANCASHIRE	1	19	R
NW188	SD470140	108	LANCASHIRE	1	336	R
NW189	SD423150	108	LANCASHIRE	1	154	P
NW190	SD365155	108	LANCASHIRE	1	21	P
NW191	SD348154	108	LANCASHIRE	1	14	P
NW192	SD370144	108	LANCASHIRE	1	10	O
NW193	SD322118	108	LANCASHIRE	1	12	P
NW194	SD321106	108	LANCASHIRE	1	47	O,P
NW195	SD303109	108	LANCASHIRE	1	12	O
NW196	SD311085	108	LANCASHIRE	1	231	O
NW197	SD340087	108	LANCASHIRE	1	35	P
NW198	SD304028	108	MERSEYSIDE	1	11	O
NW199	SD346035	108	LANCASHIRE	1	29	R
NW200	SD370009	108	MERSEYSIDE	1	8	R

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NW201	SJ333990	108	MERSEYSIDE	1	55	O
NW202	SJ263918	108	MERSEYSIDE	1	10	O
NW203	SJ274904	108	MERSEYSIDE	1	37	O
NW204	SJ260913	108	MERSEYSIDE	1	44	O
NW205	SJ245900	108	MERSEYSIDE	1	158	O
NW206	SJ225885	108	MERSEYSIDE	1	142	O
NW207	SJ248888	108	MERSEYSIDE	1	17	O
NW208	SJ252882	108	MERSEYSIDE	1	18	O
NW209	SD792089	109	GREATER MANCHESTER	1	15	R
NW210	SD753042	109	GREATER MANCHESTER	1	44	R
NW211	SJ736935	109	GREATER MANCHESTER	1	45	R
NW212	SJ746938	109	GREATER MANCHESTER	1	13	R
NW213	SJ761933	109	GREATER MANCHESTER	1	75	R
NW214	SJ774939	109	GREATER MANCHESTER	1	41	R
NW215	SJ799935	109	GREATER MANCHESTER	1	20	R
NW216	SJ810930	109	GREATER MANCHESTER	1	21	R
NW217	SJ695888	109	GREATER MANCHESTER	1	29	R
NW218	SE316178	110,111	WEST YORKSHIRE	1	30	R
NW219	SE418037	111	SOUTH YORKSHIRE	1	45	R
NW220	SE485018	111	SOUTH YORKSHIRE	1	94	R
NW221	SK470985	111	SOUTH YORKSHIRE	1	60	R
NW222	SK436895	111	SOUTH YORKSHIRE	1	39	R
NW223	SK440845	111	SOUTH YORKSHIRE	1	29	R
NW224	SE576155	111	SOUTH YORKSHIRE	1	14	R
NW225	SE582146	111	SOUTH YORKSHIRE	1	72	R

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NW226	SE592147	111	SOUTH YORKSHIRE	1	29	O
NW227	SE610175	111	SOUTH YORKSHIRE	1	23	O
NW228	SE630176	111	SOUTH YORKSHIRE	1	37	R
NW229	SE640180	111	SOUTH YORKSHIRE	1	20	R
NW230	SE650177	111	SOUTH YORKSHIRE	1	18	R
NW231	SE660176	111	SOUTH YORKSHIRE	1	19	R
NW232	SE672186	111	SOUTH YORKSHIRE	1	10	R
NW233	SE672179	111	SOUTH YORKSHIRE	1	17	R
NW234	SE687178	111	SOUTH YORKSHIRE	1	32	O
NW235	SE685168	111	SOUTH YORKSHIRE	1	72	O
NW236	SE680155	111	SOUTH YORKSHIRE	1	51	O
NW237	SE683153	111	SOUTH YORKSHIRE	1	13	O
NW238	SE692156	111	SOUTH YORKSHIRE	1	10	O
NW239	SE683146	111	SOUTH YORKSHIRE	1	25	O
NW240	SE695135	111	SOUTH YORKSHIRE	1	23	O
NW241	SE651160	111	SOUTH YORKSHIRE	1	1273	R
NW242	SE611120	111	SOUTH YORKSHIRE	1	95	O
NW243	SE622119	111	SOUTH YORKSHIRE	1	17	O
NW244	SE617115	111	SOUTH YORKSHIRE	1	14	O
NW245	SE612104	111	SOUTH YORKSHIRE	1	23	O
NW246	SE603104	111	SOUTH YORKSHIRE	1	24	O
NW247	SE588095	111	SOUTH YORKSHIRE	1	25	O
NW248	SE606092	111	SOUTH YORKSHIRE	1	16	O
NW249	SE617089	111	SOUTH YORKSHIRE	1	10	R
NW250	SE601084	111	SOUTH YORKSHIRE	1	11	O

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- 1 County/district Phase 1 survey
 - 2 SSSI habitat map
 - 3 Published report (see text for reference)
 - 4 Other type(s) of survey (see text for details)
 - 5 Air photo interpretation

Origin (soil parent material): M=marine alluvium R=river alluvium P=peat
O=other non-marine

Block Number	Grid Reference	OS 1:50,000 sheet number	County or District	Survey source type	Area (hectares)	Soil parent material type
NW251	SE552087	111	SOUTH YORKSHIRE	1	49	O
NW252	SE604078	111	SOUTH YORKSHIRE	1	34	O
NW253	SE595067	111	SOUTH YORKSHIRE	1	25	R
NW254	SE583063	111	SOUTH YORKSHIRE	1	172	R
NW255	SE562065	111	SOUTH YORKSHIRE	1	35	O
NW256	SE549084	111	SOUTH YORKSHIRE	1	32	O
NW257	SE558092	111	SOUTH YORKSHIRE	1	17	O
NW258	SE670120	111	SOUTH YORKSHIRE	1	59	O
NW259	SE696113	111	SOUTH YORKSHIRE	1	20	O
NW260	SE685102	111	SOUTH YORKSHIRE	1	18	O
NW261	SE699095	111	SOUTH YORKSHIRE	1	12	O
NW262	SE658112	111	SOUTH YORKSHIRE	1	13	O
NW263	SE653105	111	SOUTH YORKSHIRE	1	13	O
NW264	SE652090	111	SOUTH YORKSHIRE	1	10	O
NW265	SE644075	111	SOUTH YORKSHIRE	1	22	O
NW266	SE653067	111	SOUTH YORKSHIRE	1	13	O
NW267	SE664076	111	SOUTH YORKSHIRE	1	20	O
NW268	SE673080	111	SOUTH YORKSHIRE	1	9	O
NW269	SE681072	111	SOUTH YORKSHIRE	1	30	O
NW270	SE671065	111	SOUTH YORKSHIRE	1	12	O
NW271	SE665060	111	SOUTH YORKSHIRE	1	16	O
NW272	SE653055	111	SOUTH YORKSHIRE	1	22	O
NW273	SE663048	111	SOUTH YORKSHIRE	1	47	O
NW274	SE677052	111	SOUTH YORKSHIRE	1	14	O
NW275	SE675030	111	SOUTH YORKSHIRE	1	184	O

Key to codes used in listing

Source	1	County/district Phase 1 survey
	2	SSSI habitat map
	3	Published report (see text for reference)
	4	Other type(s) of survey (see text for details)
	5	Air photo interpretation

Origin (soil parent material): M=marine alluvium R=river alluvium P=peat
O=other non-marine

Block Number	Grid Reference	OS 1:50,000 sheet number	County or District	Survey source type	Area (hectares)	Soil parent material type
NW276	SE682022	111	SOUTH YORKSHIRE	1	18	O
NW277	SE685019	111	SOUTH YORKSHIRE	1	34	O
NW278	SE683005	111	SOUTH YORKSHIRE	1	47	O
NW279	SE666007	111	SOUTH YORKSHIRE	1	9	O
NW280	SE647014	111	SOUTH YORKSHIRE	1	29	O
NW281	SE636000	111	SOUTH YORKSHIRE	1	10	O
NW282	SE600007	111	SOUTH YORKSHIRE	1	9	P
NW283	SE590013	111	SOUTH YORKSHIRE	1	46	P
NW284	SE577008	111	SOUTH YORKSHIRE	1	60	P
NW285	SE555018	111	SOUTH YORKSHIRE	1	22	R
NW286	SK565992	111	SOUTH YORKSHIRE	1	22	O
NW287	SK583997	111	SOUTH YORKSHIRE	1	53	R
NW288	SK595988	111	SOUTH YORKSHIRE	1	9	R
NW289	SK593980	111	SOUTH YORKSHIRE	1	47	R
NW290	SK607944	111	SOUTH YORKSHIRE	1	32	P
NW291	SK663937	111	SOUTH YORKSHIRE	1	35	R
NW292	SE705108	112	SOUTH YORKSHIRE	1	12	O
NW293	SE718108	112	SOUTH YORKSHIRE	1	46	O
NW294	SE726098	112	SOUTH YORKSHIRE	1	36	O
NW295	SE712097	112	SOUTH YORKSHIRE	1	16	O
NW296	SE704087	112	SOUTH YORKSHIRE	1	22	O
NW297	SE735046	112	SOUTH YORKSHIRE	1	10	O,P
NW298	SJ780940	109	GREATER MANCHESTER	1	21	R
NW299	SD451528	102	LANCASHIRE	1	17	M