

APPENDIX I

Health and Safety Executive - Notifiable Installations

SHE REF	OCCUPIER	CONSULTATION DISTANCE (m)
HL/18/2038	ACEWELL UNITS, SIMONSTONE	175

British Gas High Pressure Transmission Pipelines

HSE REF	TITLE	BPD(m)	CD(m)
HC/1 0/117-1	36" GRAYRIGG/BLACKROD	76	304
HC/19/105-1	16" LOSTOCK HALL/NEW INNS	8	16
HC/19/106-1	MULLARDS SPUR	15.5	47
HC/19/106-3	12" ALTHAM/BURNLEY	15.5	47

Trans Pennine Ethylene Pipelines

HSE REF	TITLE	CONSULTATION	ZONES			DIAMETER	PRESSURE
		DISTANCE (m)	INNER (m)	MIDDLE (m)	outer (m)	(mm)	(BARG)
HC/100/10	T.P.E.P	200	70	150	200	203	97

The Trans Pennine Ethylene Pipeline (TPEP) is operated by ICI; contact

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APPENDIX 2

THE RIBBLE VALLEY LANDSCAPE CHARACTER

1 INTRODUCTION

1.1 The Ribble Valley can be divided into seven broad landscape types. These are:

- i) Moorland plateau;
- ii) Moorland escarpment;
- iii) Moorland hills;
- iv) Upland fringe farmland;
- v) Lowland fringe farmland;
- vi) Wetland landscapes;
- vii) Wooded landscapes.

Each of these have distinctive features and characteristics which it is important to protect and enhance. The landscape areas as shown on Map A1.

2 ACKNOWLEDGEMENT

2.1 This study is based on the content and methodology of the landscape assessment of the Forest of Bowland area of outstanding beauty technical report which was prepared for the Countryside Commission by Woolerton Truscott.

3 LEVEL OF DETAIL

3.1 Landscape character is relatively homogeneous over wide areas. As such mapping and description of detailed variations often on a farm by farm basis is impractical.

3.2 Broad landscape categories have been established. The boundaries normally follow physical features where possible. This is because clear distinctions rarely exist. In other cases best fit lines have had to be used.

4 LANDSCAPE TYPE DESCRIPTION

4.1 Moorland Plateau

4.1.1 This occupies the high fell tops on land generally over 400m. The landform is level or gently rolling, with poor quality soils and areas of blanket bog.

4.1.2 The vegetation is dominated by dwarf shrub species and grasses, in places this has been degraded to cotton grassed. There are rock outcrops present in some areas and some of the summits are strewn with grit-stone boulders. Trees are more or less absent from these areas

4.1.3 There is little evidence of recent human habitation in these plateau areas, structures are virtually absent and although the moorland is enclosed by ring fences, the general impression is of unenclosed land, remote from human habitation.

4.1.4 The landscape is characterised by a sense of elevation and openness, with wide open expanses and uninterrupted views across the surrounding countryside. There is a sense of wilderness, grandeur, remoteness and space.

4.1.5 Positive elements of the moorland plateau are:

- Apparently open, unenclosed character;
- Wilderness and absence of intrusive, man-made features;
- Upland birds and wildlife;
- Semi-natural vegetation, particularly heather moorland.

4.1.6 Existing or potential landscape detractors:

- Intrusive, man-made features, eg communication masts or other prominent structures, vehicles, machinery, fences and roads.
- Large numbers of people.

4.2 Moorland Escarpment

4.2.1 These are steep slopes which contrast with and form a transition between plateau and fringe farmland. They are particularly prominent features in the landscape and are traditionally viewed as a solid, bare, smooth outline defining the hill shape. They are frequently marked by deep ravines and valleys. However, these do not significantly interrupt the overall form when viewed from a distance. The complexity of these systems prevent also their identification as a separate landscape type.

4.2.2 In these areas landform is the dominant factor in influencing landscape character, but other physical features such as vegetation cover are also characteristic.

4.2.3 The slopes themselves tend to be covered by rough vegetation with semi natural moorland on the upper slopes and improved or semi improved grassland with large enclosures below. Some of the slopes are dominated by heather moorland though others are grassed, these are often heavily grazed. In areas where grazing is particularly heavy, the slopes are becoming terraced and eroded. This exposes bare soil and underlying rock.

4.2.4 The majority of the escarpment slopes are unwooded, but blocks of coniferous and broad leaved woodland do occur in places. This lends a different character to the landscape at closer range. From a distance these differences are overwhelmed by the dominance of the landscape.

4.2.5 Human influence is still limited, with few man-made features, but there is a greater incidence of walls and other enclosures and the vegetation is more modified by management than on the plateau areas. A sense of naturalness remains.

4.2.6 The escarpments are less remote in character than the plateau areas, being physically and visually linked with the lower lying land beyond. The scenery is still large scale and simple, despite the apparent complexity afforded by variations in vegetation type and the presence of small scale cloughs and valleys. They are generally open areas with extensive views outwards from the hillside and are exposed in all areas except for where woodland and valleys provide some degree of shelter.

4.2.7 Positive landscape elements of the moorland escarpment are:

- Smooth, sculptured profile;
- Small scale clough and valley features;

- Semi natural vegetation, particularly heather moorland, rough grassland and broad leafed woodland, and upland birds and wildlife;
- Naturalness and absence of intrusive, man-made features;
- Dry stone walls enclosing large rough pastures.

4.2.8 Existing or potential landscape detractors:

- Intrusive man-made featured, e.g. Structures, vehicles, road, fences etc;
- Poorly maintained walls;
- Agricultural improvement of semi natural vegetation;
- Afforestation by coniferous woodland;
- Large scale spread of bracken.

4.3 Moorland Hills

4.3.1 This is a varied landscape type which encompasses all of the moorland areas other than the escarpments and plateau areas. It ranges from deep upland valleys with intervening hills to wide open, gently undulating and extensive areas of moorland at an intermediate elevation. Although differences in landscape character are evident within this type there is such a high degree of similarity and inter-relationship between these areas that realistic distinctions cannot easily be drawn.

4.3.2 This type comprises land generally above the limit of enclosed farmland and, although it is in fact ring fenced, it has the appearance and character of open moorland. The vegetation is semi natural and typical of acid upland areas but varies in species composition depending upon differences in management, practice and climate.

4.3.3 Within the upland area, waterside and river valleys add special interest with waterfalls, deep rock gullies, ferns, mosses and waterside vegetation. At lower levels there are areas of semi natural broad leafed woodland and individual rowan and hawthorn trees along the cloughs.

4.3.4 There are few intrusive elements within this landscape type. A few minor public roads cross the moorland hills but these are mostly unfenced and support little traffic, so that their impact on the character of the moorland is reduced. There are access tracks linking farms and lower ground to the moorland grazing, grouse shooting huts and shooting grounds. In places, especially at higher elevations, these intrude into otherwise remote locations. Surface materials can be visually prominent against the dark background of the heather moorland. There are some walls and fences but these do not generally detract from the open quality of the landscape and are mostly in good repair. Buildings and structures are virtually absent but old railway wagons and other forms of make-shift shelters for stock are intrusive elements in some places. Similarly, some sheep holding pens and grouse butts are constructed poorly in inappropriate materials. By comparison, stone wall and heather turf butts fit in well with the upland landscape. The landscape is large scale and simple and is generally open in character. There is a sense of wildness and remoteness, although the presence of roads and walls reduces the sense of isolation compared with the plateau areas.

4.3.5 Positive landscape elements of the moorland hills:

- Apparently open, unenclosed character and absence of roadside fencing and walls;

- Extensive heather moorland and semi natural vegetation, especially mosaics of upland plant communities, and broad leafed woodland;
- Natural rivers, streams and becks with waterfalls;
- Upland bird communities;
- Wild, uncultivated appearance and absence of intrusive man-made elements;
- Appropriate tree planting particularly of native broad leaves but also other appropriate species e.g. Naturalistic planting of Scots Pine adjacent to the Trough of Bowland road.

4.3.6 Existing or potential landscape detractors:

- Moor gripping and conversion of semi natural vegetation to improve grassland;
- Unsightly or intrusive structures, including fences, shelters, some grouse butts and walls in poor repair;
- Unsympathetic roads and access tracks;
- Overgrazed moorland, erosion and unsightly elements associated with sheep husbandry e.g. supplementary feeding blocks, plastic bags, make-shift pens etc;
- Afforestation with coniferous woodland;
- Large scale bracken invasion;
- Unsightly private signs for inappropriate way marking;
- Large numbers of people.

4.4 Upland Fringe Farmland

- 4.4.1 This is a widespread landscape type forming a transitional zone between moorland areas and the better quality, more typically lowland farmland at lower altitudes. Almost all the land is under grassland and it is undulating and hilly with many small valleys and cloughs.
- 4.4.2 The upper boundary of this type easily defined as the moorland edge. The lower boundary, however, is more difficult to determine as there is a gradual transition between land of a predominantly upland feel to that of a more productive lowland feel. The perceptual boundary correlates very closely indeed with boundaries of agricultural land classes and elevation. The lower boundary broadly follows therefore the 150m contour level and the boundary between agricultural land classification Grades 3 and 4, reflecting an actual and perceived change in the general intensity of agricultural land uses. Views of nearby moorland escarpments and hills, proximity to semi wild country and a general sense of elevation are all features of the upland fringe.
- 4.4.3 Settlements consist of scattered farms and well dispersed small hamlets, with the larger villages in the valleys and on the lowland fringe. Slaidburn is one of the larger villages in the upland fringe. Most of the older buildings, both in settlements and isolated dwellings are often of gritstone and are built in the local vernacular tradition, contributing strongly to the identity and aesthetic qualities of the landscape. There are few recent buildings and new development as so far been more or less successfully controlled so that it does not significantly detract from the qualities of the area.
- 4.4.4 The landscape is enclosed by a variety of boundary types ranging from strong hedgerows in sheltered valleys, tall hedgerows and walls in more exposed situations, to post and wire fences particularly at higher elevations. Dry stone walls in particular

make a significant contribution to the landscape character in some areas, as described below.

- 4.4.5 There are minor roads and footpaths throughout the area, these provide access to the edge of the open moorland, but despite this there is still a sense of isolation around dispersed farmsteads. Some of the farms on the moorland edge have a neglected and uncared for appearance with semi derelict barns, old railway carriages and rusting machinery around the buildings. Wall gaps are repaired with old gates or scraps of corrugated iron and there is a general sense of impoverishment and decline. Near to most farms, electricity and telephone poles and overhead wires are evident.
- 4.4.6 Areas of grit stone walls occurred mostly on hill top and higher elevations but occur more widely in an intimate mixture with hawthorn hedges and post and wire fences. These walls create a very strong and distinctive pattern in the landscape which contributes greatly to the aesthetic quality, however the colour of the stone is sombre and, especially at higher elevations these walls enclose grasslands of a darker green colour and unproductive appearance. The tone of the landscape is therefore generally dull and relatively impoverished.
- 4.4.7 By contrast, the areas underlaid by limestone have a very distinctive brightness of character. Limestone is of a limited extent but has a very powerful influence on landscape character. This is reflected in building materials and its influence on soils, vegetation and landform. The limestone areas around Slaidburn and the upper Hodder Valley are characterised by a strong pattern of white walls and barns, enclosing grasslands which are noticeably greener and more productive looking than the gritstone areas. The walls are mostly in good repair as are the limestone buildings and barns of the scattered farms. The landscape of the limestone knoll areas is quite distinctive with attractive smoothly rounded small hills and bright green grassland. Limestone outcrops here and there and disused lime kilns occur in these areas as well. The trees are mostly ash and there are small woodlands on the lower ground.
- 4.4.8 Positive landscape elements on the upland fringe farmland are:
- The wealth of historic stone farmhouses, barns, bridges, etc;
 - Strong field pattern and well maintained walls and hedges;
 - The absence of intrusive development;
 - Traditional communities of these rural areas;
 - Open pasture land, particularly alongside rivers and becks;
 - Conspicuous well shaped open hills, both as features in the landscape and as view points;
 - Open views from key positions;
 - Small blocks of semi natural broadleaf woodland, individual trees, and groups of trees around farm buildings;
 - The natural rivers, becks and streams;
-
- The roadside verges, hedges and walls;
 - Other semi natural habitats;
 - Farm livestock in the fields.

4.4.9 Existing or potential landscape detractors:

- Inappropriate and insensitive siting and design of new buildings or conversions including agricultural buildings;
- Significant expansion of the built form into surrounding countryside altering substantially the scale of existing settlements;
- Poorly maintained walls, boundary fences, hedgerows and other significant structures;
- Urbanisation of rural areas by road widening inappropriate urban lighting, materials and detailing, sighting etc. and inappropriate sighting, design and scale of industrial development;
- Neglected farmbuildings and steadings and storage of dumping of unsightly materials or abandoned machinery;
- Agricultural improvement of traditional grassland and loss of characteristic fauna and flora, also excessive fencing;
- Big bail silage storage and other unsightly farm structures for example silage clamps, slurry tanks;
- Poorly managed broadleaf woodlands and inappropriate conversion to coniferous woodland;
- Insensitive siting and design of coniferous woodland;
- Insensitive river engineering works;
- Electricity and telephone poles and overhead wires;
- Polluted rivers, becks and water courses.

4.5 Lowland Fringe Farmland

4.5.1 There is no strongly defined boundary between this type and the upland fringe. Generally it is lower elevation land below about 150 metres. Although there are views of the fells these are more distant and it is possible to be out of sight of them more easily. Increasing physical and visual distance from upland areas combined with improved land capability, more gentle land form, increased human habitation and a greater preponderance of trees, woodlands and hedgerows, gives this landscape an essentially lowland character. Agriculture is still marginal and these areas are sufficiently associated with the upland areas to be termed fringe farmland. The type ranges from almost flat river valleys to gently undulating hills and drumlin fields in the upper valleys of the River Ribble.

4.5.2 The most significant difference between this type and the upland fringe is the influence of human habitation. All the small towns and almost all of the main villages are within this landscape type. Most have a core of old vernacular stone built terraces and individual houses of considerable architectural, historic and aesthetic interest and villages such as Chipping and Downham are outstanding for their picturesque character. Outside of the main settlement a typical feature of the lowland fringe is the country house, often attractive buildings of historic interest, surrounded by formal park land and well managed estate land. The general estate feel, often engendered by a high proportion of woodland, wild managed hedgerows and boundary walls or fences has a strong influence on the landscape of surrounding areas, raising its general aesthetic quality and appeal.

4.5.3 Farms tend to be larger in the lowland fringe with more better quality land and dairy herds are more common place. The farm buildings usually consist of a core of vernacular stone buildings, (many dating back to the 17th Century) but often with conspicuous large new buildings alongside. In areas more accessible to urban centres many farmhouses have been modernised and some buildings and barns

converted into new houses, not always in a manner which is appropriate or contributes to the local landscape character. Although there is a high density of farms than in the upland fringe they are still quite widely scattered and are linked by a close network of minor roads and footpaths.

4.5.4 The road network is very characteristic of the lowland fringe and is typified by a complex system of narrow lanes with a few direct routes between settlements. The lack of road improvements contribute significantly to the quiet rural character of much of the lowland fringe.

4.5.5 Hedgerows tend to predominate over dry stone walls as field boundaries. Mixtures of fences, hedges and walls do occur however. There are more semi natural unplanted woodland within these areas than at higher elevations and these, together with hedgerows and hedgerow trees make a significant contribution to the landscape generally. The landscape has a tamed and intensely managed character.

4.5.6 The lowland fringe landscape is small scale and complex, with varied land form and vegetation. The influence of human habitation is much more evident.

4.5.7 There is some industrial development. These industrial areas have a significant impact on the local landscape but they also have a strong historical association with the area and are operated on a scale that does not create major visual problems. They are therefore a beneficial living link with the past history whilst providing employment and prosperity for the present inhabitants.

4.5.8 There is a large concentration of limestone quarrying, including Ribblesdale Cement Works, just north of Clitheroe which does have an impact on the landscape quality of the adjacent lowland fringe areas.

4.5.9 Poles and overhead wires are noticeable at most farms and are also evident from the public road.

4.5.10 Positive landscape elements in the lowland fringe farmland are:

- The unspoilt settlements and their characteristics vernacular with only limited new development, well related to existing buildings;
- The open spaces in villages including the grounds and gardens of large houses;
- Historic houses and their associated park land;
- Other buildings or features of historic interest such as old mills, bridges, barns etc;
- Absence of urbanisation;
- Rural, small scale and complex road network;
- Strong field pattern and well managed hedgerows, walls and fences;
- Trees, woodlands, hedgerows and hedgerow trees, particularly semi natural vegetation and trees native to the area;
- Open land which allows views of open water, rivers, becks and waterfalls;
- Herds of dairy cattle.

4.5.11 Existing or potential landscape detractors include:

- Intrusive, inappropriate and insensitive siting and design of new development, including conservation of redundant agricultural buildings;

- Significant modern development on the fringes of historic villages or towns;
- Intrusive industrial activities, such as quarrying, especially large scale development;
- Telegraph and electricity poles and overhead wires;
- Road improvements including widening and straightening;
- Large scale intrusive farm buildings and other unsightly farm structures or activities;
- Field enlargement and loss of boundary walls, hedgerows and trees;
- Neglected woodlands and planting of uncharacteristic mixes of non-native or inappropriate trees.

4.6 Wetland Landscapes

4.6.1 These are located in valley bottoms and consist of flat flood plains, areas dammed and flooded to form reservoirs and major upland valleys.

4.6.2 Flood Plains

These are broad, open and flat, fertile areas alongside the larger lowland rivers such as the Ribble in areas where it is subject to periodic flooding. Generally there are few hedgerows and trees although in some sections the river banks support ash, alder and belts of willow scrub. The valley floor has a distinctive character in its own right and as such has been identified as a separate landscape type.

4.6.3 These areas form major communication corridors between areas of higher land, and roads and are located towards the foot of the valley sides on slightly elevated land at the edge of the flood plain. Settlements are also located on the valley sides to avoid areas subject to flooding and therefore the flood plan areas have a generally unpolluted, rural character, with grazing and animals contributing to a landscape of tranquil, pastoral charm.

4.6.4 Reservoirs

These range from the large natural looking lakes at Stocks Reservoir to the artificial lagoons at Longridge. They provide a contrast with the surrounding landscape and a level open surface as a foreground to the view.

4.6.5 Upland River Valleys

This category comprises the upland sections of the main rivers within the area principally the River Hodder, the Low Stocks Reservoir. Unlike the lowland flood plains the valley landscape has a close relationship with the moorlands which surround it and therefore has an upland feel. The landscape is however quite varied and complex, comprising riverside pasture with a level flood plain giving way to marginal land, then moorland and escarpment of the adjoining fells.

4.6.6 Positive landscape elements of the wetland landscapes are:

- The level open riverside and lakeside land allowing sunlight to the water and views across it;
- Clean unpolluted streams, rivers and lakes with natural banks and channel forms;
- Historic stone bridges;

- Absence of engineering works;
- Waterside vegetation;
- Presence of fish, wild fowl, waders and other wildlife;
- Presence of grazing animals within riverside pastures.

4.6.7 Existing or Potential Landscape Detractors

- Bank protection, flood prevention or other river engineering schemes;
- Intrusive developments within or adjacent to open, flood plain areas including visually intrusive car parking in riverside or lakeside situations;
- Increased levels of noise from intrusive activities;
- Unsightly structures, including poorly designed, modern bridges or pipework carrying water supplies etc.

4.7 Wooded Landscapes

Mixed broadleaf woodlands are typical of the natural landscape. The thin belt of mixed open woodland and, mostly Scots Pine, with a few beech, larch, sycamore and birch at the Trough of Bowland is a special example of mature amenity planting. It now forms attractive scenery. There are a number of sub divisions of the wooded landscape, these are:

4.7.1 Wooded Valleys

These are very typical of the moorland edge and consist of deep, steep sided valleys with a high proportion of semi-natural broad leaf woodland. The woods are interspersed with rough pasture and narrow riverside meadows. There is a strong feeling of enclosure and seclusion.

4.7.2 Wooded Hillside

There are also large blocks of woodland interspersed with larger sized fields of reasonable pasture on the steep hillsides along the broad river valleys and in the undulating country of Bowland farmland. These woodlands create distinctive scenery which is an essential part of the landscape in the Ribble and Hodder valleys.

4.7.3 Parkland

There are generally attractive areas forming an appropriate setting for modest country houses which are well integrated with the surrounding farmland.

4.7.4 Coniferous Plantation

These range from the large mass of Gisburn Forest to small isolated blocks such as Grindleton Fell. Generally these plantations are out of character with the landscape to the area although when mixed with deciduous woodland and well related to topography at lower altitudes they can create attractive scenery.

4.7.5 Within these areas both ploughing and clear felling can sometimes be visually disruptive.

Positive landscape elements of the wooded landscape are:

- Broadleaf woodlands, including natural shrub and ground vegetation;
- Old and spreading trees of all native species;

- Native woodland animals and birds;
- The unspoilt rivers and becks;
- Glades within large woods and areas of rough pasture that separate large blocks of woodland;
- Absence of inappropriate and intrusive uses and developments such as caravan sites, chalets and intensive recreation use;
- Old farm shelter belts.

4.7.6 Existing or potential land detractors include:

- Large coniferous blocks of uniform ageing species;
- Edges of coniferous plantations laid out in straight lines and rectangles, unrelated to topography or field pattern;
- Extensive wind blow;
- Planting of inappropriate species;
- Badly sited roads, fire breaks and compartment boundaries unrelated to landscape;
- Conspicuous depots with poor quality building, large scale industrial forestry activity;
- Conspicuous ploughing, draining or consequent damage to watercourse and rivers, pollution from herbicides, fertilisers and diesel spillage etc.

APPENDIX 3

LANCASHIRE COUNTY BIOLOGICAL HERITAGE SITES		
PARISH AND SITE	GRID REFERENCE	GUIDELINE(S)
AIGHTON BAILEY AND CHAIGLEY		
CLOUGH BANK WOOD	SD 675370	WOODLAND & SCRUB, FLOWERING PLANTS & FERNS
BAILEY HALL WOOD & MERRICK'S WOOD	SD 682371	WOODLAND & SCRUB
RAID DEEP WOOD	SD 689374	WOODLAND & SCRUB
OVER HACKING WOOD (SD64SE, SD73NW)	SD 699399	WOODLAND & SCRUB
MULLINEUX WOOD	SD 660428	WOODLAND & SCRUB
MULLINEUX PASTURE LIME KILN PASTURE	SD 661430	GRASSLAND
HODDER SIDE WOOD LIME KILN WOOD	SD 667432	WOODLAND & SCRUB FLOWERING PLANTS & FERNS
PRIMROSE WOOD	SD 674425	WOODLAND & SCRUB
ARMRIDGING WOOD & LITTLE WOOD	SD 675429	WOODLAND & SCRUB
PAPER MILL WOOD (SOUTH)	SD 680424	WOODLAND & SCRUB
KINPE WOOD	SD 689422	WOODLAND & SCRUB FLOWERING PLANTS & FERNS
SAGAR'S WOOD	SD 697408	WOODLAND & SCRUB
BROAD MEADOW WOOD & PIT WOOD	SD 690419	WOODLAND & SCRUB FLOWERING PLANTS & FERNS
BROAD MEADOW	SD690420	GRASSLAND
SCAR WOOD	SD 692417	WOODLAND & SCRUB
SPRING WOOD	SD 706388	WOODLAND AND SCRUB
LAMBING CLOUGH MEADOW	SD 682370	GRASSLAND
PARK WOOD	SD 681387	MOSES & LIVERWORTS
CROSS GILLS FORMER SAND QUARRY	SD 694378	ARTIFICIAL HABITATS & BIRDS
BALDERSTONE		
MARSDEN WOOD	SD 608321	WOODLAND & SCRUB
JACKSON'S BANK WOOD & RAMSHOLME WOOD	SD 620326	WOODLAND & SCRUB & BIRDS
WILLWIFE WOOD	SD 625331	WOODLAND & SCRUB
NIGHTFIELD WOOD	SD 628331	WOODLAND & SCRUB
MAMMON WOOD & CARTER FOLD WOOD	SD 635315	WOODLAND & SCRUB
MERCYFIELD WOOD, SANDIFORD WOOD, GREEN RID WOOD	SD 633333	WOODLAND AND SCRUB
BASHALL EAVES AND GREAT MITTON		
AGDEN CLOUGH	SD 685429	WOODLAND & SCRUB

AGDEN WOOD	SD 687427	WOODLAND & SCRUB
PAPER MILL WOOD (NORTH)	SD 680430	WOODLAND & SCRUB
RABBIT LANE MEADOW	SD 687447	GRASSLAND
HODDER HOUSE WOOD	SD 698414	WOODLAND & SCRUB
MOOR PIECE	SD 694447	WOODLAND & SCRUB, BOG, BUTTERFLIES & MOTHS
BRADDUP WOOD NORTH (SD64NE, SD74SW, SD74NW)	SD 698449	WOODLAND & SCRUB
BRADDUP WOOD SOUTH (SD74SW)	SD 699440	WOODLAND & SCRUB
MOYSER WOOD & ANGERHAM WOOD (SD74SW)	SD 707397	WOODLAND & SCRUB
CAT SCAR WOOD	SD 710385	WOODLAND & SCRUB
HOLDEN'S BREAST WOOD	SD 713386	BIRDS
CROSS LANE ROADSIDE VERGES	SD 704442	ARTIFICIAL HABITATS FLOWERING PLANTS AND FERNS
BILLINGTON		
DINCKLEY BRIDGE WOOD	SD 695354	WOODLAND & SCRUB
GREAT WOOD & MILL WOOD	SD 697367	WOODLAND & SCRUB FLOWERING PLANTS & FERNS
CRONSHAW CHAIR	SD 714340	BUTTERFLIES & MOTHS
BROCKHALL WOOD	SD 703372	WOODLAND & SCRUB
CHEW BANK WOOD	SD 711363	WOODLAND & SCRUB
BOLTON-BY-BOWLAND		
SPRINGS WOOD	SD 772487	WOODLAND & SCRUB
SKIRDEN BECK SOUTH	SD 781481	BIRDS
RAINSBER WOOD	SD 787482	WOODLAND & SCRUB
SKIRDEN BECK	SD 784491	BIRDS
GROVE WOOD & LOW WOOD	SD 795484	WOODLAND & SCRUB MOSSES & LIVERWORTS
CLOUGH WOOD (HOLDEN CLOUGH) (SD74NE)	SD 765502	WOODLAND & SCRUB FLOWERING PLANTS & FERNS
HIGHER SYKE WOOD	SD 771510	WOODLAND & SCRUB
BOND BECK PASTURES	SD 774538	GRASSLAND
NEW ING WOOD	SD 786508	WOODLAND & SCRUB
CALF HOUSE WOOD (INCL. BLUE SCAR, TURN GREECE WOOD & NEW MEADOW WOOD	SD 785522	WOODLAND & SCRUB
BLUE SCAR WOOD	SD 785527	WOODLAND & SCRUB
FOODEN HIGH, LONG FLAT WOOD	SD 805486	WOODLAND & SCRUB
'PARK HOUSE BECK WOOD'	SD 808491	WOODLAND & SCRUB
HELLIFIELD ROAD VERGES (SD 75 SE)	SD 805514	ARTIFICIAL HABITATS HABITAT MOSAICS
BOWLAND FOREST HIGHER		
CRAG WOOD & QUARRY	SD 628518	WOODLAND & SCRUB
'SYKES FARM WOOD'	SD 631516	WOODLAND & SCRUB

VALLEY OF THE RIVER DUNSOP	SD 654518	FLOWERING PLANTS & FERNS
OXENHURST CLOUGH WOOD	SD 671517	WOODLAND & SCRUB
ROADSIDE VERGE, BENTHAM ROAD SLAIDBURN	SD 706586	ARTIFICIAL HABITATS SWAMP AND FEN
COPPED HILL PASTURE	SD 715573	GRASSLAND, SWAMP & FEN
COLLYHOLME WOOD	SD 720574	WOODLAND & SCRUB
HAREDEN MIRE DUNSOP BRIDGE	SD 645505	SWAMP & FEN
BOWLAND FOREST LOWER		
LOWER LEES PASTURE	SD 652445	GRASSLAND
LEES WOOD	SD 666433	WOODLAND & SCRUB
'COW ARK BROOK WOOD' (SD 64 NE)	SD 669445	WOODLAND & SCRUB
LIMES WOOD AND ADJOINING GRASSLANDS	SD 672435	WOODLAND & SCRUB GRASSLAND
'MILL BROOK WOOD'	SD 675448	WOODLAND & SCRUB
ING WOOD	SD 654451	WOODLAND & SCRUB
LAUND WOOD	SD 653461	WOODLAND & SCRUB
RAVEN SCAR, WHITEWELL	SD 666469	GRASSLAND
HAGG CLOUGH WOOD	SD 674458	WOODLAND & SCRUB
BIRKETT FELL, HODDER BANK FELL & MOSSTHWAITE FELL	SD 671485	HEATHLAND, SWAMP & FEN FLOWERING PLANTS & FERNS
CRIMPTON ROADSIDE VERGES	SD 681469	ARTIFICIAL HABITATS FLOWERING PLANTS & FERNS
BOWLAND WITH LEAGRAM		
LITTLE BOWLAND ROAD THROSTLE NEST	SD 633438	FLOWERING PLANTS & FERNS
KNOT HILL	SD 640447	GRASSLAND
CLOUGH WOOD	SD 643440	WOODLAND & SCRUB
BUCKBANKS WOOD	SD 633451	WOODLAND & SCRUB
LONG KNOTS	SD 644470	GRASSLAND, FLOWERING PLANTS & FERNS
WHITEMORE KNOT	SD 646476	WOODLAND & SCRUB
SWANEY HOLME WOOD & NEW GROUND WOOD	SD 651446	WOODLAND & SCRUB
NEW LAUND HILL	SD 650468	GRASSLAND
HIGH WOOD, BREAST WOOD & FAIRY HOLE WOOD	SD 652461	WOODLAND & SCRUB
CHATBURN		
BELLMAN FARM MARSH	SD 759434	SWAMP & FEN, GRASSLAND FLOWERING PLANTS & FERNS WOODLAND & SCRUB
A59 CHATBURN, ROAD CUTTING	SD 774443	ARTIFICIAL HABITATS FLOWERING PLANTS AND FERNS
CHIPPING		
NAN KING'S FARM MEADOWS	SD 614440	GRASSLAND

DOBSON'S BROOK WOOD'	SD 618447	WOODLAND AND SCRUB
CLAYTON-LE-DALE		
BROKEN BROWS PASTURES	SD 660348	GRASSLAND
CLITHEROE		
PRIMROSE LODGE	SD 739410	ARTIFICIAL HABITATS FLOWERING PLANTS & FERNS
CLITHEROE CASTLE KNOLL	SD 742417	ROCK HABITATS
CROSS HILL QUARRY	SD 745433	HABITAT MOSAIC, GRASSLAND
SALTHILL QUARRY	SD 757426	ARTIFICIAL HABITATS & GRASSLAND
COPLOW QUARRY, PIMLICO ROAD GRASSLANDS (SD 74 SW)	SD 753432	ARTIFICIAL HABITATS
BELLMAN PARK QUARRY	SD 761427	ARTIFICIAL HABITATS & GRASSLAND
BOY BANK	SD735424	WOODLAND & SCRUB, GRASSLAND, FLOWERING PLANTS & FERNS
DINCKLEY		
PARK BROOK PASTURE	SD 688349	GRASSLAND
HOLLINS WOOD DINCKLEY FIELDS	SD 683363	HABITAT MOSAICS
GREAT WOOD MILL WOOD	SD 697367	WOODLAND & SCRUB FLOWERING PLANTS & FERNS
DINCKLEY BRIDGE WOOD	SD 695354	WOODLAND & SCRUB
DOWNHAM		
TOWN END CROFT WOOD	SD 784445	WOODLAND & SCRUB
FAIRY HILLS	SD 789450	GRASSLAND
DUTTON		
STYDD WOOD	SD 651368	WOODLAND & SCRUB
LITTLE STYDD WOOD	SD 657361	WOODLAND & SCRUB
DAVIES GATE WOOD (SD63 NW)	SD 650373	WOODLAND & SCRUB
DUDEL WOOD	SD 659370	WOODLAND & SCRUB
OVER HEY WOOD & HOUGHTER FALL WOOD	SD 655383	WOODLAND & SCRUB
COPPY SCAR WOOD	SD 676359	WOODLAND& SCRUB
HAUGH WOOD PASTURE	SD 671365	GRASSLAND
HAUGH WOOD	SD 672365	WOODLAND & SCRUB, BIRDS
POND NEAR HEY HURST	SD 672369	MOSSES & LIVERWORTS
RAGDEN WOOD HERONRY	SD 670368	BIRDS
CLOUGH BANK WOOD	SD 675370	WOODLAND & SCRUB FLOWERING PLANTS & FERNS
EASINGTON		
BARN GILL MEADOWS	SD 730546	GRASSLAND
BRADFORD FELL, EASINGTON FELL HARROP FELL	SD 725490	HEATHLAND, SWAMP & FEN, FLOWERING PLANTS & FERNS MOSSES & LIVERWORTS

GRASSLAND HOLE HOUSE LANE	SD 735554	GRASSLAND
HOLE HOUSE LANE (NORTH) ROADSIDE VERGE	SD 736557	ARTIFICIAL HABITATS FLOWERING PLANTS & FERNS
DALE HEAD CHURCHYARD	SD 737554	GRASSLAND
DALE HOUSE PASTURE	SD 735587	GRASSLAND
HOLE HOUSE LANE (SOUTH) ROADSIDE VERGES	SD 742551	ARTIFICIAL HABITATS FLOWERING PLANTS & FERNS
PARK WOOD - BOTTOMS BECK	SD 743563	WOODLAND & SCRUB, ARTIFICIAL HABITATS & FLOWERING PLANTS & FERNS
HOW HILL	SD 746596	GRASSLAND FLOWERING PLANTS & FERNS
HALSTEAD WOOD	SD 747591	WOODLAND & SCRUB
ROADSIDE VERGE, TOSSIDE ROAD	SD 754548	ARTIFICIAL HABITATS
KNOT CLOUGH MIRE & MOORLAND HASGILL FELL	SD 722600	SWAMP & FEN, HEATHLAND FLOWERING PLANTS & FERNS
BIRCH CLOUGH MIRE & HALSTEAD FELL	SD 740605	SWAMP & FEN, HEATHLAND, BOG FLOWERING PLANTS & FERNS
HOLLINS HOLLOW	SD715550	GRASSLAND
STOCKS RESERVOIR	SD 730560	BIRDS, MOSSES AND LIVERWORTS REPTILES
GISBURN		
RAILWAY CUTTING NEAR GISBURN	SD 814486	ARTIFICIAL HABITATS
COPPY GILL WOOD	SD 815490	WOODLAND & SCRUB
COPPICE WOOD	SD 820495	WOODLAND & SCRUB
COAL PIT LANE ROADSIDE VERGES	SD 843470	ARTIFICIAL HABITATS FLOWERING PLANTS & FERNS
WEST CLOUGH WOOD (SD 74 NW)	SD 750458	WOODLAND & SCRUB
CHAMPION MOOR AND ROADSIDE VERGES	SD 752532	HEATHLAND, SWAMP & FEN, ARTIFICIAL HABITAT (FLOWERING PLANTS & FERNS)
LING HILL	SD 757533	BIRDS
GISBURN FOREST		
BOTTOM LAITHE	SD 742555	SWAMP & FEN, GRASSLAND FLOWERING PLANTS & FERNS
BOTTOMS BECK (upper section)	SD 746574	GRASSLAND, WOODLAND & SCRUB FLOWERING PLANTS & FERNS
LOWER MONUBENT MEADOWS	SD 791517	GRASSLAND
OX PASTURE WOOD (INCL GREEN'S WOOD & HEN GILL BECK PASTURE)	SD 795525	WOODLAND & SCRUB
DOB DALE (SD 75 NW, SD 76 SE)	SD 754598	GRASSLAND, FLOWERING PLANTS & FERNS & REPTILES
B6478 VERGES, TOSSIDE	SD 764557	ARTIFICIAL HABITATS FLOWERING PLANTS AND FERNS

HOLDEN MOOR & WHELP STONE CRAG	SD 761592	SWAMP & FEN
ASH CLOUGH SWAMP & GISBURN COMMON	SD 757610	SWAMP & FEN, BOG, GRASSLAND FLOWERING PLANTS & FERNS
HYLES MOOR	SD 805525	HABITAT MOSAICS
HEN GILL PASTURE	SD 802531	GRASSLAND
HORTON		
KIRK WIFE WOOD, BACK LITTLE PAINLEY WOOD (SD 84 NW)	SD 826502	WOODLAND & SCRUB
HOTHERSALL		
STUBBINS WOOD	SD620341	WOODLAND & SCRUB
LEECE'S WOOD	SD625348	WOODLAND & SCRUB
RED BANK GRASSLAND	SD635349	GRASSLAND
HOTHERSALL WOOD	SD635349	WOODLAND & SCRUB
LITTLE MITTON		
MITTON WOOD	SD 713377	WOODLAND & SCRUB & MOLLUSCS
MITTON HALL WOOD	SD 714382	WOODLAND & SCRUB
SMALL FIELD	SD721389	GRASSLAND, FLOWERING PLANTS & FERNS
LONGRIDGE		
NORCROSS WOOD	SD 614438	WOODLAND & SCRUB
KING WOOD	SD 616346	WOODLAND & SCRUB
ALSTON RESERVOIRS	SD 606362	BIRDS & GRASSLAND
COLLEGE WOOD	SD 615363	WOODLAND & SCRUB & BIRDS
SPADE MILL RESERVOIRS	SD 618375	BIRDS
LONGRIDGE FELL (SD 63 NW, SD 63 NE, SD 64 SW)	SD 650400	HEATHLAND
ALSTON WOOD	SD 609336	WOODLAND & SCRUB & BIRDS
STUBBINS WOOD	SD 620341	WOODLAND & SCRUB & BIRDS
MELLOR		
WOODFOLD & JEFFREY WOODS	SD 638289	WOODLAND & SCRUB & BIRDS
NEWSHOLME		
CASTLE HAUGH WOOD	SD 829507	WOODLAND & SCRUB
BRIDGE WOOD	SD 831512	WOODLAND & SCRUB
NEWTON		
BIRKETT FELL, HODDER BANK FELL & MOSSTHWAITE FELL	SD 671485	HEATHLAND, SWAMP & FEN FLOWERING PLANTS & FERNS
CRAG HOUSE ROADSIDE VERGES	SD 687481	ARTIFICIAL HABITATS FLOWERING PLANTS & FERNS
ASHNOTT WOOD	SD 693483	FLOWERING PLANTS & FERNS
ASHNOTT WOOD	SD690480	WOODLAND & SCRUB
BACK LANE ROADSIDE VERGES	SD 685520	ARTIFICIAL HABITATS
NEWTON WEST ROADSIDE VERGES	SD 692501	ARTIFICIAL HABITATS

NEWTON NORTH ROADSIDE VERGES	SD 698508	ARTIFICIAL HABITATS
WADDINGTON FELL & ROADSIDE VERGES	SD 702499	ARTIFICIAL HABITATS
GREAT DUNNOW WOOD	SD 704510	WOODLAND & SCRUB, ROCK HABITAT, FLOWERING PLANTS & FERNS
LITTLE DUNNOW WOOD	SD 707514	WOODLAND & SCRUB
SKELSHAW MEADOWS	SD 721504	GRASSLAND
GIBB'S WOOD & BONSTONE WOOD	SD692482	WOODLAND & SCRUB
OSBALDESTON		
DOBRIDDING WOOD SOUTH	SD 630337	WOODLAND & SCRUB
DOBRIDDING WOOD NORTH	SD 632340	WOODLAND & SCRUB
FLASHERS WOOD AND LONG DINGLE	SD 638339	WOODLAND & SCRUB
MERCYFIELD WOOD, SANDIFORD WOOD, GREEN RID WOOD	SD 633333	WOODLAND & SCRUB
OLD PARK WOOD	SD 652338	WOODLAND & SCRUB
SLATERFIELD WOOD	SD 645340	WOODLAND & SCRUB
PAYTHORNE		
PARK HOUSE BRIDGE	SD 810498	GRASSLAND
HELLIFIELD ROAD VERGES	SD 805514	ARTIFICIAL HABITATS HABITAT MOSAIC
WINDY PIKE WOOD	SD 823503	WOODLAND & SCRUB
TWIN GILLS	SD 827514	WOODLAND & SCRUB
PENDLETON		
BARROW CLOUGH WOOD	SD 736399	WOODLAND& SCRUB
RAMSGREAVE		
HAGGS WOOD	SD 675320	WOODLAND & SCRUB
RAMSGREAVE WOOD	SD 679320	WOODLAND & SCRUB
READ		
COCK WOOD & WHEATCROFT WOOD	SD 746343	WOODLAND & SCRUB
OLD PARK PLANTATION, NEW MARLS WOOD & SAGER HEY PLANTATION	SD 749349	WOODLAND & SCRUB SWAMP & FEN
BRIDGE HEY WOOD	SD 758342	WOODLAND & SCRUB
BROCKLEHURST WOOD	SD 753355	WOODLAND & SCRUB
READ HEIGHTS PASTURE	SD 767357	GRASSLAND
RIBCHESTER		
EATOUGH'S WOOD	SD 634356	WOODLAND & SCRUB
BUCKLEY WOOD & DALE HEY WOOD	SD 640365	WOODLAND & SCRUB
HOARDELL MEADOW	SD 638384	GRASSLAND
RIMINGTON & MIDDOP		
RAILWAY BANKS	SD 789455	ARTIFICIAL HABITATS

INGS BECK VALLEY	SD 798450	HABITAT MOSAICS, GRASSLAND, FLOWERING PLANTS & FERNS
RIMINGTON MOOR	SD 830435	SWAMP & FEN
GREAT AND LITTLE KITTYCAUL REEF KNOLLS	SD 806455	GRASSLAND, FLOWERING PLANTS & FERNS
INGS END LEAD MINES	SD 814450	ARTIFICIAL HABITATS, GRASSLAND FLOWERING PLANTS & FERNS
COAL PIT LANE ROADSIDE VERGES	SD 843470	ARTIFICIAL HABITATS FLOWERING PLANTS & FERNS
SABDEN		
PENDLE HILL (SD 73 NE, SD 74 SE, SD 83 NW)	SD 800410	BOG, HEATHLAND, GRASSLAND SWAMP & FEN, BIRDS, MOSSES & LIVERWORTS, FLOWERING PLANTS & FERNS
LOWER BARN WOOD	SD 767366	WOODLAND & SCRUB
THE ROUGH	SD 767382	HEATHLAND
NICK OF PENDLE QUARRY	SD 771385	LICHENS
BLACK HILL	SD 783368	HEATHLAND
BROCKLEHURST WOOD	SD 753355	WOODLAND & SCRUB
SALESBURY		
BRADLEY WOOD	SD 669347	GRASSLAND
HAZEL MOOR	SD 679332	GRASSLAND
BRADLEY WOOD GRASSLAND	SD 670345	GRASSLAND
MARLES WOOD	SD 677359	WOODLAND & SCRUB
SAWLEY		
SWANSIDE BECK & SMITHIES BROOK	SD785454	HABITAT MOSAIC, GRASSLAND & OTHER INVERTIBRATES
BROWNTHWAITES & HARTSAILS WOOD	SD782473	WOODLAND & SCRUB, FLOWERING PLANTS & FERNS
COLD PARK WOOD	SD796484	WOODLAND & SCRUB
STEEP WOOD	SD802484	WOODLAND & SCRUB
WHEATLEY BECK & RIVER RIBBLE BANK	SD 812490	GRASSLAND, WOODLAND & SCRUB
SIMONSTONE		
LOWER DEAN WOOD	SD 781338	WOODLAND & SCRUB
LOWER DEAN PASTURE	SD 781340	GRASSLAND
HUNTROYDE DEMESNE	SD 785346	PARKLAND & SCATTERED TREES, WOODLAND & SCRUB, BUTTERFLIES & MOTHS
SLAIDBURN		
GREAT DUNNOW HILL	SD 702511	GRASSLAND
WOOD HOUSE LANE ROADSIDE VERGE	SD 702528	ARTIFICIAL HABITATS FLOWERING PLANTS AND FERNS
SHAY WOOD LENT BANK WOOD	SD 708527	WOODLAND & SCRUB
POORSLAND'S	SD 715523	GRASSLAND, FLOWERING PLANTS & FERNS

BELL SYKES MEADOWS	SD 718527	GRASSLAND, FLOWERING PLANTS & FERNS
THE SKAITHE MEADOW	SD 712530	GRASSLAND
ROADSIDE VERGE, WOOD HOUSE GATE, BENTHAM ROAD	SD 713539	ARTIFICIAL HABITATS, FLOWERING PLANTS & FERNS
ROADSIDE VERGE, SAGAR HILL BENTHAM ROAD	SD 710549	ARTIFICIAL HABITATS
LANGCLIFF CROSS BROOK PASTURE	SD 728516	GRASSLAND
FIELD HEAD MEADOW	SD 725524	GRASSLAND
TINKLERS LANE (WEST) & TOSSIDE ROAD ROADSIDE VERGES	SD 729522	ARTIFICIAL HABITATS, FLOWERING PLANTS & FERNS
TINKLER'S LANE MEADOW	SD 730522	GRASSLAND
ROADSIDE VERGE, TOSSIDE ROAD	SD 732526	ARTIFICIAL HABITATS, FLOWERING PLANTS & FERNS
STANDRIDGE FARM PASTURE	SD 733534	GRASSLAND, FLOWERING PLANTS & FERNS
DEAN SLACK FIELDS	SD 740520	BIRDS
TINKLER'S LANE EAST ROADSIDE VERGES	SD 744524	ARTIFICIAL HABITATS
THORNLEY-WITH-WHEATLEY		
ARBOUR QUARRY	SD 620408	GRASSLAND, FLOWERING PLANTS & FERNS
WOODTOP WOOD	SD 648427	WOODLAND & SCRUB
TWISTON		
TWISTON BECK VALLEY	SD 807443	GRASSLAND, HABITAT MOSAIC
TWISTON LANE ROADSIDE VERGES	SD 805442	ARTIFICIAL HABITATS, FLOWERING PLANTS & FERNS
RIMINGTON MOOR	SD 830435	SWAMP & FEN
WADDINGTON		
HOSPITAL WOOD	SD 727446	WOODLAND & SCRUB
WADDINGTON BRICKWORKS OLD WORKING	SD 738439	ARTIFICIAL HABITATS
WADDINGTON FELL AND BROWSHOLME MOOR	SD 708476	HEATHLAND, BOG, SWAMP & FEN
FEAZER WOOD	SD 726454	WOODLAND & SCRUB
SHERBURN WOOD	SD730425	WOODLAND & SCRUB (FLOWERING PLANTS & FERNS)
DOG WOOD HOUSE	SD737427	WOODLAND & SCRUB (FLOWERING PLANTS & FERNS)
WEST BRADFORD		
DRAKE HOUSE WOOD	SD 739453	WOODLAND & SCRUB
WHALLEY		
CALDERSTONES HOSPITAL WOODLAND/ RAILWAY LINE	SD 722376	ARTIFICIAL HABITATS
CALDER BANK, BROKEN BROW	SD 738359	FLOWERING PLANTS & FERNS

SIR JOHN'S WOOD & LORDS PARK WOOD	SD 742356	WOODLAND & SCRUB
PLANES WOOD	SD 744355	WOODLAND & SCRUB
SPRING WOOD	SD 741363	WOODLAND & SCRUB
LAWSONSTEADS TANK	SD 743368	AMPHIBIANS
BROCKLEHURST WOOD	SD 753355	WOODLAND & SCRUB
WILPSHIRE		
PARSONAGE RESERVOIR	SD 700319	FLOWERING PLANTS & FERNS
WORSTON		
A59 WORSTON ROAD CUTTING	SD 768433	ARTIFICIAL HABITATS
WORSAW HILL, WARREN HILL, CROW HILL AND THE RIDGE	SD 774432	GRASSLAND, LICHENS FLOWERING PLANTS AND FERNS

APPENDIX 5

Lancashire Regionally Important Geological Sites:

SD659550 Brennand & SD640544 Whitendale Valleys	River sections folded carboniferous rocks, including the Clitheroe Limestone complex, Lower Bowland shales and Pendle grit
SD628518 Crag Wood and Bracken Hill Quarries	Limestones and shales of the carboniferous Worston group, with folding structures and fault related mineralisation
SD624401 Cutlers and Dale House Quarries	Interbedded limestones and mudstones showing many typical features of the carboniferous Pendleside limestone formation
SD675358 Dinckley Gorge	River exposures of carboniferous Warleywise grits, consisting of gritstone, sandstone and shale
SD800489 Fooden Sulphur Spring	Shows typical black earth and sulphurous odour
SD802473 Gisburn Cotes	Railway cutting showing limestones and mudstones of the carboniferous Chatburn limestone group, with complex folded structure
SD754470 Grindleton Dyke	Exposure of a dolerite dyke intruded into carboniferous sedimentary rocks
SD700400 Hodder River Section	River section exposing the type locality for the Hodderense limestone formation and the Chaigley limestone member, along with a range of river landforms
SD798432 Lane Head/Hookclife	Stream exposure of carboniferous limestones and shales of the Pendleside limestone formation
SD772385 Nick of Pendle	Quarry exposures of carboniferous (Namurian) gritstones, sandstones and shales showing a range of sedimentary structures
SD713550 Phynis Beck	Stream section of carboniferous limestones and shales of the Worston group, with fossils and structural features. Also a range of river landforms
SD682387 Sandy Bridge Quarry	Carboniferous gritstones unconformably overlain by the later Permian Basal Breccias
SD671501 Sugar Loaf and SD684501 Boarsden Quarries	Two carboniferous limestone 'reef knolls' with good quarry exposures showing abundant fossils and typical structure
SD755370 Turn Hill	Natural outcrop of carboniferous (Namurian) gritstones, showing striations and smoothing due to glacial action
SD755370 Wiswell Moor Quarries	Exposures of carboniferous (Namurian) gritstones, sandstones and shales, showing a range of sedimentary structures
SD710410 Withgill	Quarry in a typical carboniferous limestone 'reef knoll'. Extensive mineralisation also present

SITES OF ANCIENT WOODLANDS

Wood Name	Parish	Grid Ref
Spring Wood	Balderstone	605317
Alston/Gib Holme Woods	Alston	606333
Marsden Wood	Balderstone	608321
Norcross Wood	Alston	613350
Colledge Wood	Longridge/Hothersall	615364
King Wood	Alston	616346
Jacksons Bank Wood	Balderstone	620326
Stubbins Wood	Alston	620341
Willwize Wood	Balderstone	625332
Leece's Wood	Hothersall	625347
Nightfield Wood	Balderstone	628331
Hothersall Wood	Hothersall	629351
Dobbridding Wood South	Osbaldeston	630337
Dorbridding Wood	Osbaldeston	632340
Mercyfield/Sandiford Wood	Balderstone/Osbaldeston	633333
Eatoughs Wood	Ribchester	635356
Mammon Wood	Balderstone	636315
Flashers Wood	Osbaldeston	638339
Buckley Wood	Ribchester	641366
Osbaldeston Hall Wood	Osbaldeston	654340
Stidd Wood	Ribchester/Dutton	651368
Old Park Wood	Osbaldeston	652338
Overhey Wood	Dutton	654384
Hougher Fall Wood	Dutton	654393
Little Stidd Wood	Dutton	656362
DuddeI Wood	Dutton	659370
Bradley Wood	Salesbury	669347
Park Wood	Salesbury	671353
Hough Wood	Dutton	673365
Clough Bank Wood	ABC	675370
Marles Wood	Salesbury	676358
Coppy Sear Wood	Dutton	677360
Ramsgreave Wood	Ramsgreave	679321
Bailey Hall/Merrick's Wood	ABC	683372
Raid Deep Wood	ABC	690375
Over Hacking Wood	ABC	699399
Chipping Brook Wood	Chipping	608450
Dobsons Brook Wood	Chipping/Bowland-with-Leagram	617448
Buckbanks Wood	Bowland-with-Leagram	633452
Clough Wood	Bowland-with-Leagram	645440
Godder Hole Wood	Bowland-with-Leagram	644436
Whitemore Knott	Bowland-with-Leagram	647476
Woodtop Wood	Thornley-with-Wheatley	649428
Swaney Holme Wood	Bowland-with-Leagram	651446
High Wood/Breast Wood	Bowland-with-Leagram	652459
Laund Wood	Bowland Forest Low	654460
Mullineux Wood	ABC	660428
Hodderside Wood	ABC	667433
Lees Wood	Bowland Forest Low	668433
Cow Ark Brook Wood	Bowland Forest Low	668445

Wood Name	Parish	Grid Ref
Limes Wood	Bashall Eaves	673436
Primrose Wood	ABC	674425
Armriding Wood	ABC	674429
Mill Brook Wood	Bowland Forest Low	675448
Hagg Clough Wood	Bowland Forest Low	675458
Paper Mill Wood	ABC	680425
Broad Meadows Wood	Bashall Eaves	680435
Agden Clough	Bashall Eaves	685427
Agden Wood	Bashall Eaves	687427
Darwens Wood	ABC	692417
Elm Clough Wood	Bowland Forest Low	693460
Ashnott Wood	Newton	694483
Hodder House Wood	Bashall Eaves	698414
Braddup Wood	Bashall Eaves	698448
Marsdens Wood	Bashall Eaves	669440
Crag Wood	Bowland Forest High	628518
Sykes Farm Wood	Bowland Forest High	632516
Banks Wood	Bowland Forest High	651501
Oxenhurst Clough Wood	Bowland Forest High	671518
Dan Clough Wood	Newton	687506
Hacking/Brockhall Woods	Billington	705371
Spring Wood	ABC	706388
Moyser Wood	Great Mitton	708397
Cat Scar Wood	Great Mitton	711385
Mitton Wood	Little Mitton	713377
Holdens Breast	Great Mitton	713386
Barrow Clough Wood	Pendleton	737399
Spring Wood	Whalley	741363
Sir John's Wood	Whalley	743356
Planes Wood	Whalley	745355
Cock Wood	Read	747343
Brocklehurst Wood	Whalley/Read/Sabden	753355
Read Wood	Read	757357
Lower Barn Wood	Sabden	767367
Frazer Wood	Waddington	726454
Hospital Wood	West Bradford	727446
Drakehouse Wood	West Bradford/Grindleton	739453
Whittakers Wood	West Bradford/Grindleton	750458
Springs Wood	Bolton-by-Bowland	772487
Brownthwaites Wood	Sawley	782473
Ranster Wood	Bolton-by-Bowland	787480
Grove/Low Woods	Bolton-by-Bowland	795484
Cold Park Wood	Sawley	796484
Great Dunnow Wood	Newton	704510
Dunnow Wood	Newton	708514
Collyholme Wood	Bowland Forest	720574
Park Wood	Easington	743563
Halstead Wood	Easington	747591
Clough Wood	Bolton-by-Bowland	765502
Higher Syke Wood	Bolton-by-Bowland	771510
Calf Mouse Wood	Bolton-by-Bowland	785522
Blue Scar Wood	Bolton-by-Bowland	785527
Eller Head Wood	Bolton-by-Bowland	787509
Ox Pasture Wood	Gisburn Forest	795525
Steep Wood	Sawley	802484

Wood Name	Parish	Grid Ref
Fooden High Wood	Bolton-by-Bowland	805486
Park Mouse Beck Wood	Bolton-by-Bowland	808491
Coppy MouseWood	Gisburn	813491
Coppice Wood	Gisburn	802495
Middop Wood	Middop	834446
Chew Wood	Paythorne	824505
Tumulus Wood	Horton	826503
Ray Wood	Paythorne	826508
Twin Gills	Paythorne	828515
Castle Wood	Newsholme	829507
Paythorne Bridge Wood	Newsholme	831512

APPENDIX 7

SCHEDULED ANCIENT MONUMENTS IN THE RIBBLE VALLEY

Location	Monument	Parish
Ribchester	Roman Fort and Vicus	Ribchester
Mellor Moor	Roman Signal Station	Mellor
Winkley Lowes	'Barrow A' Tumulus excavated	Aughton Bailey & Chaigley
Winkley Lowes	'Barrow B' Glacial Mound?	Aughton Bailey & Chaigley
Portfield or Planswood Camp	Fort	Whalley
Whalley Churchyard	Cross fragments built into wall	Whalley
Old Lower Hodder Bridge	Bridge	Aughton Bailey & Chaigley
Sawley	Sawley Abbey	Sawley
Little Plainley nr Castle Haugh	Round Barrow	Horton
Castle Haugh	Ringwork	Newsholme
Paythorne	Bridge	Newsholme
Newsholme	Moated site	Newsholme
Whalley	Abbey	Whalley
Whalley	Bridge	Whalley
Bailey Hall	Bailey Hall	Aughton Bailey & Chaigley
Clitheroe	Castle	Clitheroe
Edisford	Bridge	Clitheroe
Holden Green	Moated site	Bolton-by-Bowland
Brown Hills Farm	2 Barrows	Easington
N of Batesons Farm	Length of Roman Road	Bowland Forest Low

APPENDIX 8

DERELICT LAND INDEX

Note: The Survey of sites is still underway. Further details will be added. In addition some of these sites have been, or will be, redeveloped.

1. Primrose Lodge, Clitheroe
2. Travellers Rest, Gisburn
3. Abbot Brow Quarry, Mellor
4. Land at Phillips, Simonstone
5. Old Colliery, Blackburn Road, Simonstone
6. Part of former Barrow Print Works Site, Barrow
7. Former Gas Works Site, Clitheroe
8. Haulage Yard, Mellor Brow, Mellor
9. Land at Chaigley Farm, Chaigley
10. Land opposite 12 Whalley Road, Wilpshire
11. Disused Tip, Calderstones
12. Land at Stonebridge Roundabout, Longridge
13. Disused Tip, Chatburn Old Road
14. Disused Tip, Riddings Lane, Whalley
15. Disused Tip, Shire Lane, Hurst Green
16. Disused Tip, Whalley Road, Sabden
17. Disused Tip, Blackhill, Sabden
18. Land rear of Taylor Street, Clitheroe
19. Wilpshire Depot, Wilpshire
20. Land at Tamarisk House, Mellor
21. Whalley Depot, Whalley
22. Castle Castings Site, Clitheroe
23. Waterloo Canteen Site, Clitheroe
24. Stanley House, Mellor
25. Victoria Works, Mersey Street, Longridge
26. St Wilfred's Terrace, Longridge
27. Disused Tunnel, Higher Road, Longridge
28. Treatment Plant, Chaigley
29. Land at Church Lane, Mellor

SITES SUBJECT TO MINERAL CONSULTATION

AREAS AS DEFINED IN THE DEPOSIT MINERALS AND WASTE LOCAL PLAN

SITE/GRID REF	LOCATION
RIBBLE VALLEY	
Lane Head Quarry <i>Grid Ref SD 758 435</i>	Clitheroe
Bold Venture Quarry <i>Grid Ref. SD 765 438</i>	Chatburn
Bankfield Quarry <i>Grid Ref SD 754 435</i>	Clitheroe
Waddington Fell Quarry <i>Grid Ref: SD 718 478</i>	Waddington
Leeming Quarry <i>Grid Ref SD 638 405</i>	Stonyhurst
Intack (D) <i>Grid Ref SD 663 395</i>	Aighton, Clitheroe
Greenbank Quarry <i>Grid Ref. SD 620 383</i>	Longridge
Salthill/Bellman (D) <i>Grid Ref SD 751 424</i>	Clitheroe
Salewheel (D) <i>Grid Ref SD 673 364</i>	Ribchester