

TARGET NOTE FOR MAP SHEET 1:10,000

SD 29 SE

TARGET NOTES FOR 1:10,000 MAP SHEET SD 29 SE

<u>Grid Ref.</u>	<u>Date</u>	<u>Notes.</u>
<u>2590</u>		
251 904	6.84 J G	Crag Wood. Dense coppice of <u>Corylus avellana</u> , <u>Betula pubescens</u> , <u>B. pendula</u> , <u>Aesculus hippocastanum</u> , <u>Quercus sp.</u> & <u>Fraxinus</u> <u>excelsior</u> . Groundflora sparse, generally of no ecological interest

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
2591		
252 912	6.84 J G G A	Disused railway line with a dense regenerating canopy of <u>Quercus petraea</u> , <u>Salix</u> sp., <u>Betula</u> sp., <u>Fraxinus excelsior</u> & <u>Corylus avellana</u> . Groundflora with <u>Lysimachia nemorum</u> , <u>Lapsana communis</u> , <u>Anemone nemorosa</u> , <u>Geranium robertianum</u> , <u>Teucrium scorodonia</u> , <u>Lonicera</u> & <u>Melampyrum pratense</u> .
255 917	5.68	Woodland above Steer's Pool. Woodland record card. Oak/birch/alder woodland, described by R.Bunce as an interesting and varied woodland. At the time of the survey parts of the wood were being cleared. The varied ground flora, which includes abundant wood anemone, wood sorrel, ransoms, bluebells, bracken and bramble, may be due to the presence of Coniston limestone in this vicinity.
259 912	6.84 G A	Wet heath & Bog. <u>Erica tetralix</u> , <u>Narthecium ossifragum</u> , <u>Eriophorum angustifolium</u> , <u>E. vaginatum</u> , <u>Sphagnum</u> spp., <u>Menyanthes trifoliata</u> , <u>Vaccinium oxycoccos</u> , <u>Juniperus communis</u> , <u>Calluna vulgaris</u> , <u>Mentha aquatica</u> , <u>Drosera rotundifolia</u> and <u>Ranunculus flammula</u> .
258 917	6.84 G A	Damp broadleaved woodland with 75% canopy closure with Ash, hazel and oak. Groundflora with:- <u>Gymnocarpium dryopteris</u> , <u>Hyacinthoides non-scripta</u> , <u>Geranium robertianum</u> , <u>Anemone nemorosa</u> , <u>Sonchus oleraceus</u> , <u>Conopodium majus</u> , <u>Circaea lutetiana</u> , <u>Stachys sylvatica</u> , & <u>Geum urbanum</u> etc.

Grid Ref.

Date.

Notes.

2593

257 933

6.84

J G

G A

Linear bog with Drosera rotundifolia, Potentilla erecta, Erica tetralix, Narthecium ossifragum, Viola palustris, Galium saxatile, G. palustre, Mentha aquatica, Potamogeton sp., Menyanthes trifoliata, Pinguicula vulgaris, Pedicularis palustris, Carex rostrata, C. panicea, C. nigra, C. echinata, Agrostis capillaris, Trichophorum cespitosum, Festuca rubra, Molinia caerulea, Eriophorum angustifolium, Juncus squarrosus, Luzula campestris, Equisetum fluviatile, Polytrichum commune, Sphagnum palustre, S. recurvum, S. capillifolium

<u>Grid Ref.</u>	<u>Date</u>	<u>Notes.</u>
<u>2691</u>		
265 917		Poolscar wood. Woodland record card. Dominated by <u>Deschampsia flexuosa</u> and <u>Vaccinium myrtillus</u> with some flushed areas. Oak woodland is stunted with the trees growing amongst clinter.
266 914	6.84 J G GA	Fairly mixed bog with dry hummocks and wet hollows being drained by small stream. Species present: <u>Ranunculus flammula</u> , <u>Drosera rotundifolia</u> , <u>Mentha aquatica</u> , <u>Erica tetralix</u> , <u>Juniperus Menyanthes trifoliata</u> , <u>Myrica gale</u> , <u>Carex pulicaris</u> , <u>C. demissa</u> , <u>Eriophorum vaginatum</u> , <u>E. angustifolium</u> .
26699198	5.80	LDSPB Torver Low Common Habitat Survey. Almost vertical scar with some <u>Calluna</u> on rock face.
26679191	5.80	LDSPB Torver Low Common Habitat Survey. A mixed area with <u>Sphagnum</u> spp., <u>Agrostis/Festuca</u> grassland, wet heath with <u>Erica tetralix</u> and <u>Trichophorum cespitosum</u> and drier heath dominated by <u>Calluna</u> . Also Juniper.
268 916	5.80	LDSPB Torver Low Common Habitat Survey. Below the bracken and <u>Agrostis/Festuca</u> grassland is a wet heath dominated by <u>Myrica gale</u> (with abundant <u>Calluna</u> , <u>Agrostis/Festuca/Nardus</u> grassland) and locally abundant <u>Erica tetralix</u> , <u>Eriophorum angustifolium</u> , <u>Hydrocotyle vulgaris</u> .

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
<u>2692</u>		
266 920	5.80	LDSPB Torver Low Common Habitat Survey. <u>Sphagnum</u> dominated wet area around stream with abundant <u>Pinguicula vulgaris</u> , <u>Carex</u> spp. and some <u>Drosera rotundifolia</u> .
269 922	5.80	LDSPB Torver Low Common Habitat Survey. Heath <u>Calluna</u> dominated.
266 924	5.80	LDSPB Torver Low Common Habitat Survey.
267 925	5.80	LDSPB Torver Low Common Habitat Survey
269 924	1983	Green How Tarns 'Aquatic Macrophytes ...' Stokoe RO 7/3/4/1

<u>Grid Ref.</u>	<u>Date..</u>	<u>Notes.</u>
<u>2694</u>		
264 940	5.80	LDSPB Torver High Common Habitat Survey. The Plattocks, a wet valley dominated by <u>Agrostis/Festuca</u> , <u>Nardus stricta</u> and <u>Juncus</u> spp. Also abundant <u>Drosera rotundifolia</u> , <u>Narthecium ossifragum</u> , <u>Carex echinata</u> , <u>C. rostrata</u> , <u>C. nigra</u> and locally abundant <u>Mentha aquatica</u> , <u>Briza media</u> , <u>Erica tetralix</u> , <u>Polygala vulgaris</u> , <u>Pinguicula vulgaris</u> .
265 942	5.80	LDSPB Torver High Common Habitat Survey. Also SD 268944. Valley floor dominated by <u>Carex rostrata</u> and <u>Juncus</u> spp.
268 944	5.80	See SD 265942.
269 947	5.80	LDSPB Torver High Common Habitat Survey. Quarry with yew, juniper, holly and abundant ferns, particularly parsley fern.
262948		High Pike How, Torver High Common Unconformity between the Borrowdale Volcanics and the Conistone Limestone is exposed in the head waters of Appletree Worth near High Pike How CTNC SWI 210

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
<u>2790</u>		
271 900	5.80	LDSFB Blawith Common Habitat Survey. High Tarn Moss. Dominated by ericaceous shrubs and <u>Juncus</u> spp with abundant <u>Eriophorum angustifolium</u> , <u>Hydrocotyle vulgaris</u> , <u>Cirsium palustre</u> , <u>Luzula campestris</u> , <u>Luzula multiflora</u> , <u>Potentilla erecta</u> and <u>Galium saxatile</u> . In wetter areas <u>Sphagnum</u> , <u>Carex</u> spp. and <u>Menyanthes trifoliata</u> are abundant. See report for more details of species composition.
273 901	5.80	LDSFB Blawith Common Habitat Survey. Path from Beacon Tarn and Red Moss. Majority of path is bare earth but <u>Thymus drucei</u> is abundant in more grassy parts.
275 908	5.80	LDSFB Blawith Common Habitat Survey. Red Moss. Very similar to High Tarn Moss but with more open water areas (dominated by <u>Menyanthes trifoliata</u>). The less wet areas are dominated by <u>Sphagnum</u> , <u>Carex</u> spp. grasses and rushes; and around the perimeter ericaceous shrubs and <u>Myrica gale</u> dominate, with abundant <u>Vaccinium oxycoccos</u> , <u>Eriophorum angustifolium</u> , <u>E. vaginatum</u> .
274 900	5.80	LDSFB Blawith Common Habitat Survey. Beacon Tarn. <u>Lobelia dortmanna</u> , <u>Potamogeton</u> spp. <u>Carex rostrata</u> and <u>Eleocharis palustris</u> present mainly at the southern and western ends of the tarn. <u>Myrica gale</u> dominates the wet areas around the tarn, with <u>Oxalis acetosella</u> , <u>Carex echinata</u> , <u>Erica tetralix</u> . See R.Stokoe 1983 and E. Charter 1983 for species lists.
		Beacon Tarn. Open water Habitat Survey: standing water. <u>Lobelia dortmanna</u> present.
	1983	Beacon Tarn High meso oligotrophic tarn. Of value for its naturalness and aquatic species diversity 'Cumbria Small Tarn Survey' E Charter RO 14/4/3
	1983	'Aquatic Macrophytes...1 R Stokoe RO 7/3/4/1
	1983	'Cumbria Small Tarn Survey' E Charter RO 14/4/3

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
<u>2791</u>		
271 914	5.80	LDSPB Blawith Common Habitat Survey. Upstream from Stable Harvey Moss the <u>Myrica gale</u> decreases and is replaced by <u>Calluna</u> , <u>Erica tetralix</u> , <u>Molinia</u> and other grasses.
271 918	5.80	LDSPB Torver Low Common Habitat Survey. Several species of scattered trees. <u>Myrica gale</u> dominant in the bottom of the valley, with <u>Agrostis/Festuca</u> grassland and ericaceous species on <u>Sphagnum</u> on the valley sides.
279916	5.80	LDSPB Blawith Common Habitat Survey. Stable Harvey Moss. Dominated by <u>Myrica gale</u> , <u>Juncus effusus</u> , <u>Sphagnum</u> and other mosses. Associated species are <u>Narthecium ossifragum</u> , <u>Pinguicula vulgaris</u> , <u>Polygala vulgaris</u> , <u>Erica tetralix</u> , <u>Carex echinata</u> , <u>C. nigra</u> , <u>C. curta</u> , <u>C. rostrata</u> , <u>Drosera rotundifolia</u> .

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
<u>2792</u> 270 923	5.80	LDSPB Torver Low Common Habitat Survey. Tarn was dry at the time of the survey. The area around the tarn is dominated by moss (species?) with <u>Erica tetralix</u> , <u>Eriophorum angustifolium</u> and <u>Molinia</u> . Less abundant were <u>Narthecium ossifragum</u> , <u>Potentilla sterilis</u> , <u>Calluna</u> , <u>Drosera rotundifolia</u> , <u>Carex</u> spp (see species list), <u>Vaccinium oxycoccos</u> .
271 924	5.80	LDSPB Torver Low Common Habitat Survey. Similar to 270923. The larger tarn has a small island with <u>Caltha palustris</u> while the smaller of the two tarns has abundant <u>Eriophorum angustifolium</u> and <u>E.vaginatatum</u> .
275 920	5.80	LDSPB Torver Low Common Habitat Survey. Greystone Moss with abundant <u>Erica tetralix</u> and <u>Juncus effusus</u> . Also <u>Drosera rotundifolia</u> , <u>Narthecium ossifragum</u> , <u>Epilobium alsinifolium</u> , <u>Viola riviniana</u> , <u>Pinguicula vulgaris</u> , <u>Polygala serpyllifolia</u> .
275 929	5.80	LDSPB Torver Low Common Habitat Survey. Area around tarn dominated by <u>Myrica gale</u> with <u>Juncus effusus</u> in the very wet areas. Juniper fairly abundant but poor condition. Wet heath/grassland surrounds the <u>Myrica</u> .
279 925	5.80	LDSPB Torver Low Common Habitat Survey. Enclosures around Thrang Moss (marked a,b,c,d, on map). - see report.

<u>Grid Ref</u>	<u>Date</u>	<u>Notes</u>
<u>2793</u>		
276 930	5.80	LDSPB Torver Low Common Habitat Survey - see target note for 275929
276 932	5.80	LDSPB Torver Low Common Habitat Survey. This was a pond which is gradually being filled in. A species-rich area (see report for species list), dominated by <u>Juncus</u> spp., <u>Carex</u> spp. with <u>Myrica gale</u> , <u>Sphagnum</u> spp., <u>Narthecium ossifragum</u> .
276 933	6.84 GA	Semi-improved field with marshy herb-rich patches of <u>Dactylorhiza fuchsii</u> , <u>D. maculata</u> , <u>D. purpurella</u> , <u>Prunella vulgaris</u> , <u>Ranunculus acris</u> , <u>Galium palustre</u> , <u>Veronica chamaedrys</u> , <u>Lotus corniculatus</u> , <u>Hieracium pilosella</u> , <u>Conopodium majus</u> , <u>Lychnis flos-cuculi</u> , <u>Pedicularis sylvatica</u> , <u>Carex echinata</u> , <u>C. binervis</u> , <u>C. pulicaris</u> , <u>C. ovalis</u> , <u>C. panicea</u> , <u>C. rostrata</u> , <u>C. demissa</u> , <u>Juncus effusus</u> , <u>J. squarrosus</u> , <u>Luzula campestris</u> , <u>Eriophorum angustifolium</u> , <u>Nardus stricta</u> , <u>Anthoxanthum odoratum</u> , <u>Holcus lanatus</u> , <u>Festuca rubra</u> , <u>Agrostis capillaris</u> , <u>Briza media</u> . Butterflies present: large skipper, pearl-bordered fritillary.
278 931	5.80	LDSPB Torver Low Common Habitat Survey. A complex area with bracken/acid grassland/wet heath. See report for more detail.
275 939	7.84 JG GA	Woodland with canopy of <u>Acer pseudoplatanus</u> , <u>Betula pendula</u> , <u>Corylus avellana</u> , <u>Fraxinus excelsior</u> and <u>Quercus petraea</u> . Understorey composed of <u>Sorbus aucuparia</u> , <u>Fagus sylvatica</u> and <u>Betula</u> sp. Groundflora of <u>Oxalis acetosella</u> , <u>Lysimachia nemorum</u> , <u>Viola</u> sp., <u>Cerium urbanum</u> , <u>Conopodium majus</u> , <u>Circaea lutetiana</u> , <u>Arum maculatum</u> , <u>Mercurialis perennis</u> , <u>Brachypodium</u> sp., <u>Dryopteris affinis</u> , <u>Anthoxanthum odoratum</u> and <u>Deschampsia flexuosa</u> . The woodland is fairly even aged with approximately 80% canopy closure. The ground is steep with acid scree and there is extensive bracken invasion.

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
<u>2794</u>		
270945	5.80	LDSFB Torver High Common Habitat Survey. Bull How Moss Beck to stepping stones. Abundant <u>Juncus articulatus</u> , <u>Equisetum</u> sp(p). with <u>Mentha aquatica</u> , <u>Potamogeton</u> spp.
271 949	5.80	LDSFB Torver High Common Habitat Survey. Seal Gill. Banks of river are steep with abundant <u>Pinguicula vulgaris</u> , <u>Trichophorum cespitosum</u> , <u>Rumex acetosa</u> , <u>Potentilla erecta</u> . See report for more details.
273 947	5.80	LDSFB Torver High Common Habitat Survey. Bog dominated by <u>Juncus</u> with 2 <u>Salix</u> trees.
275 945	5.68	Undercrag. Woodland survey card. Location of grid reference not clear, see rough map on card. Woodland dominated by oak with birch, hazel and hawthorn. R.Bunce found this to be an interesting and varied wood, perhaps due to the local Coniston limestone.

<u>Grid Ref</u>	<u>Date</u>	<u>Notes</u>
<u>2890</u>		
287 905	5.80	LDSPB Blawith Common Habitat survey. Ethels Wood. Broadleaved woodland dominated by oak with holly, ash, birch, hazel, and some yew. Little ground flora except in open areas. Little regeneration.
288 905	GA & JG	Marshy grassland at the northern end of sliving moss with <u>Lychnis flos-cuculi</u> , <u>Filipendula ulmaria</u> , <u>Juncus effusus</u> , <u>Caltha palustris</u> , <u>Festuca pratensis</u> , <u>Cerastium arvensis</u> , and <u>Anthroxanthum odoratum</u> . Also present were dark green fritillary, Large skipper, Meadow browns, Wall brown, Elephant hawk moth and <u>Agrion virgo</u> .
288 909	9.70	No. 10. CTNC SW1AW. Grieve Swarthmoor, Quarry near Brown Howe Geological interest. A dyke intruded into the Bannisdale Slates. Has been quarried for road metal and provides an excellent study of a dyke and its contact with country rock.
	5.80	LDSPB Blawith Common Habitat Survey. Disused quarry (see report for details. Fairly species rich especially in the wetter areas).
289 908		A woodland site surveyed for lichen by F. Rose. See SD 290916

<u>Grid Ref</u>	<u>Date</u>	<u>Notes</u>
<u>2891</u>		
285 910	5.80	LDSPB Blawith Common Habitat Survey. Areas around the streams dominated by <u>Myrica gale</u> , with abundant <u>Juncus effusus</u> and <u>J. conglomeratus</u> . Also juniper, birch and willow in the general area.
288 915		Thrang crag wood. NVC record sheet with species list (grid reference on NVC record sheet given as 287912). For more details see GR 290916.
287 912	6.84 JG,GA	<u>Myrica gale</u> excellent for large skippers, dark green fritillaries and small heath.

<u>Grid Ref.</u>	<u>Date</u>	<u>Notes</u>
<u>2892</u>		
281 928	5.80	LDSPB Torver Low Common Habitat Survey. <u>Lobelia dortmanna</u> locally abundant on east side. In the north <u>Carex rostrata</u> and <u>C. dioica</u> .
284 929	5.80	LDSPB Torver Low Common Habitat Survey. Hedge with <u>Corylus avellana</u> , <u>Prunus spinosa</u> , <u>Taxus baccata</u> , <u>Crataegus monogyna</u> , <u>Salix</u> spp., <u>Acer pseudoplatanus</u> , <u>Fraxinus excelsior</u> .
285 929	5.80	LDSPB Torver Low Common Habitat Survey. Wet flushed area dominated by <u>Myrica gale</u> and <u>Sphagnum</u> with <u>Drosera rotundifolia</u> , <u>Narthecium ossifragum</u> , <u>Carex echinata</u> , <u>C. nigra</u> , <u>Molinia</u> . Diverse area with many flushes (symbol 5) juniper woodland and streamside vegetation (see report for details)
286 927	5.80	LDSPB Torver Low Common Habitat Survey. Coppiced and standard <u>Alnus glutinosa</u> along the river with scattered <u>Sorbus aucuparia</u> , <u>Betula</u> spp. and <u>Quercus</u> spp.
	5.80	LDSPB Torver Low Common Habitat Survey. Flush dominated by <u>Myrica gale</u> and <u>Calluna</u> and <u>Sphagnum</u> . Other species include <u>Drosera rotundifolia</u> , <u>Carex echinata</u> , <u>C. nigra</u> , <u>Vaccinium oxycoccos</u> , <u>Trichophorum cespitosum</u> , <u>Molinia</u> .
287 926	6.84 JG GA	Torver Beck. Alder woodland along stream side. Excellent Bryophyte flora: <u>Plagiomnium affine</u> , <u>Rhizomnium punctatum</u> , <u>Polytrichum commune</u> , <u>Mnium hornum</u> , <u>Fontinalis</u> sp., <u>Brachythecium rutabulum</u> , <u>Thamnobryum alopecurum</u> , <u>Bryum pseudotriquetrum</u> , <u>Thuidium tamariscinum</u> , <u>Conocephalum conicum</u> and <u>Peltigia canina</u> .
288 925	5.80	LDSPB Torver Back Common Habitat Survey. Broad leaved wood running along side a river, dominated by <u>Betula</u> sp., with <u>Quercus</u> sp., <u>Fraxinus excelsior</u> , <u>Alnus glutinosa</u> , <u>Tilia cordata</u> and <u>Ulmus glabra</u> . The ground flora includes <u>Galium saxatile</u> , <u>Taraxacum officinale</u> , <u>Teucrium scorodonia</u> , <u>Lonicera periclymenum</u> , <u>Urtica dioica</u> , <u>Cardamine flexuosa</u> .
288 925	5.80	LDSPB Torver Back Common Habitat Survey. Small grassy area dominated by <u>Anthoxanthum odoratum</u> and <u>Deschampsia flexuosa</u> , with <u>Ranunculus repens</u> , <u>Cardamine pratensis</u> , <u>Galium saxatile</u> , <u>Urtica dioica</u> , <u>Conopodium majus</u> , <u>Digitalis purpurea</u> and <u>Prunus padus</u> . Wooded area to the west includes: <u>Quercus</u> sp., <u>Betula</u> sp., <u>Fagus sylvatica</u> , <u>Crataegus monogyna</u> and <u>Sorbus aucuparia</u> . Groundflora includes: <u>Lonicera periclymenum</u> , <u>Aegopodium podagraria</u> and <u>Hyacinthoides non-scripta</u> .
281926	1983	Torver Tarn 'Thrang Moss Reservior' "Aquatic Macrophytes..." R Stokoe RO 7/3/4/1

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
2893		
288 930	5.80	LDSFB, Torver Low Common Habitat survey.
284 936	9.78	Meadow recently cut for hay as have several others in the vicinity. There has been insufficient regrowth to determine how varied the composition is. The uncut area by the gate, however, contains abundant <u>Sanguisorba</u> .
285 933	9.78	Belt of trees by stream. Species present include <u>Salix</u> , <u>Fraxinus excelsior</u> , <u>Betula</u> , <u>Alnus glutinosa</u> , <u>Quercus</u> , <u>Sorbus aucuparia</u> , occasional <u>Larix</u> . In the S.W. corner some young conifers have been planted. The northern part contains several small channels, largely dry at present. Ground flora species present include <u>Phalaris arundinacea</u> , <u>Juncus effusus</u> , <u>Polygonum amphibium</u> , <u>Filipendula ulmaria</u> , <u>Ranunculus flammula</u> , <u>Galium palustre</u> , <u>Rorippa nasturtium aquaticum(?)</u> , <u>Potamogeton</u> sp., in and around the channels. Other species present include <u>Ranunculus repens</u> , <u>Holcus mollis</u> , <u>Agrostis</u> sp., <u>Anthoxanthum odoratum</u> , <u>Ditialis purpurea</u> , <u>Prunella vulgaris</u> , <u>Oxalis acetosella</u> . Scattered rocks. Abundant toadstools of several species at time of visit.
285 937	9.78	Field containing some <u>Sanguisorba</u> , <u>Angelica</u> and abundant <u>Filipendula</u> .
285 939	10.78	CNT SSI 257. Report of field containing abundant <u>Sanguisorba</u> at approximately this location. Both fields heavily grazed this year, and no <u>Sanguisorba</u> apparent when visited in September.
286 932	6.84 G A	Footpath with <u>Filipendula ulmaria</u> , <u>Athyrium filix-femina</u> , <u>Blechnum spicant</u> , <u>Oxalis acetosella</u> , <u>Pentactotis semservirens</u> , rich in Bryophytes.
286 939	6.84 G A	Unimproved Neutral field, wet area with <u>Filipendula ulmaria</u> , <u>Mentha aquatica</u> , <u>Deschampsia cespitosa</u> , <u>Juncus effusus</u> , <u>Ranunculus repens</u> , <u>Rumex acetosa</u> , <u>Lotus uliginosus</u> , <u>Equisetum palustre</u> , <u>Cirsium palustre</u> . Dryer area with <u>Carex echinata</u> , <u>C. ovalis</u> , <u>Luzula campestris</u> , <u>Cynosurus cristatus</u> , <u>Dactylis glomerata</u> , <u>Holcus lanatus</u> , <u>Agrostis capillaris</u> , <u>Anthoxanthum odoratum</u> , <u>Prunella vulgaris</u> , <u>Lychnis flos-cuculi</u> , <u>Galium palustre</u> , <u>Veronica chamaedrys</u> , <u>Centaurea nigra</u> , <u>Juncus effusus</u> and <u>Leucanthemum vulgare</u> .
288 931	5.80	LDSFB, Torver Back Common Habitat survey. Area dominated by bracken with heavily grazed <u>Agrostis/Festuca</u> sp. Towards the stream, <u>Juncus articulatus</u> , <u>Potentilla erecta</u> , <u>Luzula campestris</u> , <u>Carex nigra</u> , <u>Ranunculus ficaria</u> , <u>Juncus effusus</u> , <u>Deschampsia flexuosa</u> , <u>Sphagnum</u> sp., and <u>Narthecium ossifragum</u> are abundant. Less common are <u>Taraxacum officinale</u> , <u>Galium saxatile</u> and <u>Pinguicula vulgaris</u> . Flushed area around stream contains: <u>Pinguicula vulgaris</u> , <u>Trichophorum cespitosum</u> , <u>Ranunculus flammula</u> , <u>Juncus</u> spp., <u>Erica tetralix</u> , <u>Nardus stricta</u> and <u>Sphagnum</u> spp.
288932	1983	Kelly Hall Tarn 'Aquatic Macrophytes...' R Stokoe RO 7/3/4/1

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
<u>2893</u> (Contd)		
288 933	5.80	LDSFB, TBCHS. Fenced off area containing: <u>Betula</u> spp., <u>Acer pseudoplatanus</u> , <u>Pinus sylvestris</u> , & <u>Salix</u> sp. Groundflora with <u>Sphagnum</u> sp., <u>Erica tetralix</u> and <u>Calluna vulgaris</u> .
289 932	5.80	LDSFB, TBCHS. Boggy area near Kelly Hall tarn. The bog is dominated by <u>Sphagnum</u> spp., with <u>Polytrichum</u> sp., <u>Juncus</u> spp., <u>Carex nigra</u> , <u>Eriophorum angustifolium</u> , <u>Potentilla erecta</u> , <u>Vaccinium myrtillus</u> , <u>Nardus stricta</u> , <u>Erica tetralix</u> , <u>Narthecium ossifragum</u> , <u>Pinguicula vulgaris</u> , <u>Drosera rotundifolia</u> , <u>Ranunculus flammula</u> , and <u>Trichophorum cespitosum</u> . Also there is a small fenced area with <u>Betula</u> seedlings.

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
<u>2894</u> 283 940	9.78	Field recently cut for hay. <u>Geranium pratense</u> present at edge. Hay meadow?
283 940	6.84 GA	Unimproved Neutral field with <u>Rhinanthus minor</u> , <u>Lychnis flos-cuculi</u> , <u>Trifolium repens</u> and <u>pratense</u> , <u>Caltha palustris</u> , <u>Urtica dioica</u> , <u>Leucanthemum vulgare</u> , <u>Filipendula ulmaria</u> , <u>Cerastium arvense</u> , <u>Bromus hordeaceus</u> , <u>Ranunculus acris</u> , <u>Cynosurus cristatus</u> , <u>Cerastium fontanum</u> , <u>Prunella vulgaris</u> , <u>Myosotis arvensis</u> , <u>Alopecurus geniculatus</u> & <u>Dactylis glomerata</u> .

<u>Grid Ref,</u>	<u>Date.</u>	<u>Notes.</u>
<u>2990</u>		
295 904	9.77	Birk Knott (SD 295905), NVC record sheet, sample numbers 204/205 Damp gullies in <u>Quercus-Betula</u> -woodland. Oak and birch on the drier ridges, ash and small-leaved lime (<u>Tilia cordata</u>) in gullies, alder and birch in the lower marshy areas. Mixed herb layer with <u>Brachypodium</u> , <u>Mercurialis</u> , <u>Filipendula</u> and <u>Lysimachia</u> , <u>Carex</u> <u>rostrata</u> in the more marshy areas.
	7.81	Birk Knott. Woodland Record sheet. M Scruby and G. Fell. Majority of this woodland is sessile oak with birch (<u>B.pendula</u> and <u>B.pubescens</u>), <u>Sorbus aucuparia</u> , <u>Corylus coppice</u> . Also holly, douglas fir, hemlock and larch.
296 906	1981	Crab Hawes. M.Sc. dissertation S Barker "A vegetation analysis of some woodlands in the Coniston Basin, Cumbria, Sept. 1981.
	6.71	Crab Crag. Nibthwaite. Precise location not clear from woodland record card. Part of continuous oakwoodland belt on the east side of Coniston Water. Dominant tree species is sessile oak with small areas of dense hazel coppice and alder. Breaks in the oak canopy are colonized by birch. Many streams through wood with rich flushes and fern swards.

<u>Grid Ref.</u>	<u>Date</u>	<u>Notes</u>
SD. 2991		
290916	9.75	Thrang Crag Wood. This wood and an area to the south at 289908 were surveyed by Francis Rose for lichens. For more information on precise location of area of study see notes taken from 'Report on woodland sites surveyed in Cumbria, Sept 16-19, 1975. These woods have the normal lichen flora species common to the area ;in addition one old oak in Thrang Crag Wood has the rare <u>Opegrapha ochrocheila</u> .
	7.70	BRC lichen data, F.R., B.C.
295914	1978	Coniston Water - vegetation sampled by Dr. M.Lock. Species list: <u>Lobelia dortmanna</u> , <u>Myriophyllum alterniflorum</u> , <u>Isoetes lacustris</u> , <u>Littorella uniflora</u> , <u>Phragmites australis</u> , <u>Elodea nuttallii</u> , <u>Potamogeton lucens</u> .
298913	1981	Grass Paddocks. M.Sc Dissertation, S.Barker, ' A vegetation analysis of some woodlands in the Coniston Basin, Cumbria, Sept. 1981.
298914	9.80	Nibthwaite wood. Includes Anna's wood, Peel near Wood, Grass Paddocks and Crab Haws. National Trust Woodland Survey, 1980. See Lake District woodlands, Coniston, (i) Description of woods (ii) Summary and species Lists. (SD 39/4 Sc.) These woods are of high biological value and contain good examples of sessile oak - hazel, sessile oak coppice with standards, valley alderwoods on mineral soils and base-poor alderwoods. Peel Near Wood is important for a colony of a rare moth. Rich birdlife includes pied flycatcher, lesser spotted woodpecker and hawfinch.
299910	9.77	Grass paddocks, NVC record sheet Sample numbers 209-211. Three sites sampled. Generally gullies marked by ash and ridges with oak-birch association. Ground flora either marshy <u>Juncus</u> - <u>Ranunculus</u> - <u>Holcus</u> type or richer <u>Brachypodium</u> - <u>Melica</u> - <u>Viola</u> type. Few bryophytes.
299918	6.71	Anna's Wood. Woodland record card. Mainly oakwood (<u>Q. petraea</u>) with some alder in wet flushes and birch in bracken clearings in the north of the wood. A woodland with high diversity.
	1981	Anna's Wood. M.Sc. Dissertation, S.Barker, 'A vegetation analysis of some woodlands in the Coniston Basin Cumbria, Sept. 1981
	7.70	Anna's Wood and Dodgson's Wood. BRC lichen data, F. Rose B. Coppins

<u>Grid Ref.</u>	<u>Date</u>	<u>Notes</u>
<u>SD 2993</u>		
290930	5.80	LDSPB, Torver Back Common Habitat Survey. Area dominated by bracken with <u>Agrostis/Festuca tussocks</u> . Some <u>Nardus stricta</u> present with <u>Urtica dioica</u> , <u>Cardamine flexuosa</u> , <u>Achillea millefolium</u> , <u>Polytrichum sp.</u> , <u>Potentilla erecta</u> , <u>Viola riviniana</u> , <u>Digitalis purpurea</u> , <u>Conopodium majus</u> , <u>Juncus articulatus</u> , <u>Ranunculus ficaria</u> , <u>R. flammula</u> and <u>Carex nigra</u> .
292936	5.80	LDSPB, TBCHS. Nesting site for fifteen pairs of Black headed Gulls.
292937	5.80	LDSPB, TBCHS. Large wet area dominated by <u>Sphagnum spp.</u> , and surrounded by <u>Agrostis sp.</u> , and <u>Festuca sp.</u> Locally abundant species in the wet area include; <u>Nardus stricta</u> , <u>Trichophorum cespitosum</u> , <u>Vaccinium myrtillus</u> , <u>Carex nigra</u> , <u>Juncus conglomeratus</u> , <u>J. articulatus</u> , <u>Narthecium ossifragum</u> , <u>Pinguicula vulgaris</u> , <u>Galium saxatile</u> , <u>Drosera rotundifolia</u> , <u>Erica tetralix</u> , <u>Mentha aquatica</u> , and <u>Eriophorum angustifolium</u> . Less common were <u>Calluna vulgaris</u> , <u>Polygala serpyllifolia</u> , <u>P. vulgaris</u> , <u>Potentilla erecta</u> , <u>Ranunculus flammula</u> , <u>Virsium arvense</u> and <u>Potamogeton polygonifolius</u> .
295937	5.80	LDSPB, TBCHS. Broad-leaved wood with a very dense canopy containing <u>Tilia cordata</u> , <u>Betula sp.</u> , <u>Sorbus aucuparia</u> , and dominated by <u>Quercus sp.</u> Ground flora is composed of <u>Leucobryum alaucum</u> and <u>Polytrichum sp.</u> Shrub layer contains <u>Sorbus aucuparia</u> and <u>Corylus avellana</u> .
296938	5.80	LDSPB, TBCHS. Clearing within a wood dominated by <u>Pteridium aquilinum</u> . Also <u>Agrostis sp.</u> , <u>Festuca sp.</u> , <u>Prunus spinosa</u> and <u>Juniperus communis</u> were present.
293939	5.80	LDSPB, TBCHS. Area covered by scree with some small oaks and <u>Calluna vulgaris</u> .
294935	5.80	LDSPB, TBCHS. Scrub dominated by <u>Juniperus communis</u> , <u>Betula sp.</u> , <u>Ilex aquifolium</u> , <u>Fraxinus excelsior</u> , <u>Sorbus aucuparia</u> , <u>Salix spp.</u> and <u>Taxus baccata</u> .
295935	5.80	LDSPB, TBCHS. Mixed woodland containing <u>Fraxinus excelsior</u> , <u>Betula spp.</u> , <u>Acer pseudoplatanus</u> , <u>Sorbus aucuparia</u> , <u>Quercus sp.</u> , <u>Pinus sylvestris</u> , <u>Corylus avellana</u> , <u>Prunus spinosa</u> and <u>Juniperus communis</u> Ground flora: <u>Lonicera periclymenum</u> and <u>Rubus spp.</u>
296939	5.80	LDSPB, TBCHS. Broad-leaved woodland dominated by <u>Quercus sp.</u> Ground flora includes <u>Teucrium scorodonia</u> , <u>Plantago major</u> and some Bryophyte spp.

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
<u>2992</u>		
290 927	5.80	LDSPB, Torver Back Common Habitat survey. Area dominated by <u>Pteridium aquilinum</u> , with <u>Oxalis acetosella</u> , <u>Potentilla sterilis</u> , <u>Conopodium majus</u> & <u>Viola riviniana</u> . Small area of trees including: <u>Quercus sp.</u> , <u>Salix spp.</u> , <u>Alnus glutinosa</u> , <u>Sorbus aucuparia</u> , <u>Ilex aquifolium</u> , <u>Betula sp.</u> , and <u>Juniperus communis</u> .
292 928	5.80	LDSPB, T.B..C.H.S. Small broad-leaved wood alongside a stream, with <u>Crataegus monogyna</u> , <u>Prunus spinosa</u> , <u>Corylus avellana</u> , <u>Quercus sp.</u> , <u>Betula sp.</u> , <u>Ilex aquifolium</u> & <u>Fraxinus excelsior</u> . Ground flora includes:- <u>Agrostis sp.</u> , <u>Festuca sp.</u> , <u>Pteridium aquilinum</u> , <u>Digitalis purpurea</u> , <u>Arum maculatum</u> , & <u>Urtica dioica</u> .
298 926	1978	Coniston Water. Vegetation sampled by M Lock. Species list: <u>Lobelia dortmanna</u> , <u>Littorella uniflora</u> , <u>Myriophyllum alternifolium</u> , <u>Isoetes lacustris</u> , <u>Elodea nutallii</u> , <u>Callitriche intermedia</u> , <u>Potamogeton berchtoldii</u> .

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
2994		
294 944	5.80	LDSPB. Torver Common Wood Habitat survey. Mainly bracken over <u>Agrostis/Festuca</u> , intensively grazed. Some <u>Vaccinium myrtillus</u> in grassy areas around outcrops.
295 943	5.80	LDSPB. Torver Common Wood Habitat survey. Some <u>Juniperus communis</u> in very poor condition and heavily grazed. More abundant & healthier towards the river.
295 944	5.80	LDSPB, T C W H S. Woodland with fairly open canopy mainly consisting of old oaks. Ground flora includes: <u>Ranunculus ficaria</u> , <u>Urtica dioica</u> , <u>Viola riviniana</u> , <u>Arctium minus ssp. pubens</u> , abundant <u>Pteridium aquilinum</u> and less frequent <u>Anemone nemorosa</u> & <u>Endymion non-scriptus</u> . Other species include <u>Conopodium majus</u> , <u>Deschampsia flexuosa</u> , <u>Oxalis acetosella</u> , <u>Rubus spp.</u> , <u>Filipendula-almaria</u> , <u>Digitalis purpurea</u> & <u>Cirsium sp.</u> In open areas bracken dominates with some <u>Digitalis purpurea</u> & <u>Agrostis/Festuca</u> which is heavily grazed. On the rocky outcrops <u>Potentilla erecta</u> & <u>Galium saxatile</u> are common.
295 945	5.80	LDSPB. Torver Common Wood Habitat survey. Area next to path. Mainly oak & birch coppice. Wood below glade with open canopy consisting of <u>Betula sp.</u> , <u>Quercus sp.</u> , & <u>Sorbus aucuparia</u> . Groundflora includes large mounds of <u>Leucobryum glaucum</u> . On outskirts of wood two junipers.
296 943	5.80	LDSPB. T C W H S. Large area of <u>Juniperus communis</u> , up to 20ft. high and very bushy. Scattered <u>Ulex galii(?)</u> & <u>Betula sp.</u> , along the line of the stream. Mainly grasses with a small area of <u>Juncus acutiflorus</u> . Two pale butterworts noted and also some dead Juniper wood.
	7.80	<u>Pinguicula vulgaris</u> (butterwort) abundant.
296 945	5.80	LDSPB, T C W S H. Wet area along riverside, dominated by <u>Salix spp.</u> , with scattered <u>Juniperus communis</u> & <u>Calluna vulgaris</u> . Groundflora includes: <u>Sphagnum sp.</u> , <u>Ranunculus flammula</u> , <u>Blechnum spicant</u> , <u>Athyrium filix-femina</u> , <u>Eriophorum angustifolium</u> , <u>Narthecium ossifragum</u> , <u>Pinguicula vulgaris</u> , <u>Carex nigra</u> , <u>Vaccinium myrtillus</u> , <u>Epilobium alpinifolium</u> , <u>Potamogeton polygonifolius</u> , & <u>Mentha aquatica</u> all of which are locally abundant. Less frequent species found include: <u>Valeriana officinalis</u> , <u>Angelica sylvestris</u> & <u>Stachys sylvatica</u> . The wood around the wet area contains birch and oak, with a closed canopy where birch dominate.
296 942	5.80	L D S P B., T B C H S. Wet area dominated by <u>Sphagnum sp.</u> with <u>Trichophorum cespitosum</u> , <u>Eriophorum angustifolium</u> , <u>Narthecium</u> <u>Potentilla erecta</u> , <u>Erica tetralix</u> & <u>Pinguicula vulgaris</u> . <u>Juncus sp.</u> , dominated around the edge of the area. Whole area surrounded by heavily grazed Junipers.
297 940	5.80	LDSPB, TBCHS. Broad-leaved wood dominated in the higher areas by oak and holly. Lower down wood is dominated by larger birch trees. Poor groundflora with some <u>Leucobryum glaucum</u> .

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
2994 (Contd)		
297 943	5.80	LDSPB, TCWHS. Small flushed area with several small streams. Groundflora includes: <u>Viola riviniana</u> , <u>Ranunculus ficaria</u> , <u>Filipendula ulmaria</u> , <u>Primula vulgaris</u> , <u>Potentilla erecta</u> , <u>Crataegus monogyna</u> , <u>Ranunculus flammula</u> , <u>Conopodium majus</u> , <u>Juncus spp.</u> , <u>Oxalis acetosella</u> , <u>Anemone nemorosa</u> , <u>Juniperus communis</u> , <u>Salix sp.</u> , <u>Chrysosplenium oppositifolium</u> , <u>Rosa spp.</u> , <u>Digitalis purpurea</u> , <u>Lonicera periclymenum</u> , <u>Hedera helix</u> , <u>Angelica sylvestris</u> , <u>Geranium robertianum</u> , <u>Hieracium sp.</u> , <u>Ranunculus repens</u> , & <u>Potentilla sterilis</u> . Trees in the area include: <u>Prunus padus</u> , <u>Betula spp.</u> , and <u>Quercus sp.</u>
297 944	5.80	LDSPB, TCWHS.. Area of young birch about 25ft, closed canopy with scattered oak standards and a few oak saplings. Holly seedlings further down stream.
297 945	5.80	LDSPB, TCWHS. Small grassy clearing with birch to the south and coppiced oak down to the main path. A small stream with <u>Sphagnum sp.</u> , and <u>Trichophorum cespitosum</u> , runs down the centre of the clearing. Around this area is juniper scrub with scattered birch. To the southern edge <u>Juncus sp.</u> , dominates. A fair amount of dead juniper lying over the clearing.
297 949	5.80	LDSPB, TCWHS. Grassland dominated by <u>Agrostis/Festuca</u> with some gorse, and <u>Juncus</u> dominated areas. Other plant species include: <u>Prunus spinosa</u> , <u>Quercus petraea</u> , <u>Crataegus monogyna</u> , <u>Pteridium aquilinum</u> , <u>Conopodium majus</u> , <u>Digitalis purpurea</u> , <u>Arum maculatum</u> , <u>Urtica dioica</u> , & <u>Rumex sp.</u> Also a large area of <u>Ulex gallii</u> . with <u>Vaccinium myrtillus</u> , <u>Potentilla erecta</u> & <u>Luzula campestris</u> .
298 942	5.80	LDSPB. Torver Back Common Habitat survey. Broad-leaved woodland dominated by <u>Betula sp.</u> , with some <u>Sorbus aucuparia</u> and <u>Quercus sp.</u> forming a closed canopy. Ground flora is dominated by <u>Leucobryum glaucum</u> .
298 944	5 80	LDSPB, TCWHS. Coppiced oak (25/30ft). Open canopy but little ground flora. Some <u>Pteridium aquilinum</u> & <u>Prunus spinosa</u> . One large juniper by the main path.
298 946	5.80	LDSPB, TCWHS, wooded area dominated by coppiced oak with a closed canopy. There are a few small clearings which contain: <u>Oxalis acetosella</u> , <u>Primula vulgaris</u> , <u>Digitalis purpurea</u> , <u>Viola riviniana</u> , and <u>Conopodium majus</u> . Also a few holly and blackthorn saplings present.
298 949	5.80	LDSPB. TCWHS, small river surrounded by wet area dominated by <u>Salix spp.</u> Other trees include: <u>Corylus avellana</u> , <u>Ilex aquifolium</u> , <u>Quercus petraea</u> , and <u>Crataegus monogyna</u> . The ground flora includes: <u>Juncus sp.</u> , & <u>Chrysosplenium oppositifolium</u> , which are abundant and <u>Ranunculus repens</u> , <u>Viola riviniana</u> , <u>Rumex sp.</u> , <u>Urtica dioica</u> and <u>Arum maculatum</u> , which are locally abundant.

<u>Grid Ref.</u>	<u>Date.</u>	<u>Notes.</u>
<u>2994</u> (Contd)		
298 949	5.80	LDSFB, TCWHS. A strip of wood 20ft wide running alongside the river. The wood has an open canopy and is dominated by oaks, also present are birch, alder and <u>Prunus spinosa</u> saplings. Ground flora is poor, mostly grasses with some <u>Endymion non-scriptu</u> and <u>Sphagnum</u> spp.
299 949	5.80	LDSFB, TCWHS. The area to the north of the path is dominated by bracken. The area becomes more wooded nearer the lake with <u>Quercus</u> sp., <u>Alnus</u> sp., <u>Sorbus aucuparia</u> , <u>Betula</u> sp., <u>Ilex aquifolium</u> and abundant <u>Ulex gallii</u> near the path. To the south of the path, coppiced <u>Alnus glutinosa</u> dominates with a ground flora containing: <u>Digitalis purpurea</u> , <u>Urtica dioica</u> , <u>Oxalis acetosella</u> , <u>Pteridium aquilinum</u> , <u>Juncus</u> spp., <u>Rumex</u> spp., <u>Arum maculatum</u> , <u>Filipendula ulmaria</u> and <u>Ranunculus ficaria</u> .