

466

INSTITUTE OF TERRESTRIAL ECOLOGY
(NATURAL ENVIRONMENT RESEARCH COUNCIL)

NCC/NERC CONTRACT F3/03/80

ITE PROJECT 466

Fifth Interim Report to Nature Conservancy Council

THE BIOLOGICAL SURVEY OF BRITISH RAIL PROPERTY

Appendix 3 Biological Interest Sites
 Scottish Region, 1980,
 and some further sites
 from elsewhere

CAROLINE SARGENT & J O MOUNTFORD

Monks Wood Experimental Station
Abbots Ripton
Huntingdon

March 1981

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RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME **Glangall**

Map Ref **NS353183** Data bank ref

NCC Region **South-west Scotland** County **Strathclyde [Kyle & Carrick]** Internal ref **R246**

<u>STATUS</u>	Part of	Adjacent to	NNR	PNNR	INR	SSSI	
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - **Random Survey Site.**

<u>INTEREST</u>	Plants	General	Local	Rare	Very rare	
	Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - **Good variety of coarse grassland and tall herb communities with scrub along ditches by foot of embankment**

Geological)

RAILWAY REGION **Scot.** DIVISION **Glasgow** AREA **Irvine**

Address of Area Civil Engrs Office **Mr. J. H. Picken (D.C.E.)**

Telephone number

Blythwood House

GLASGOW

Tel. No. 021 332 9811

Name of railway line **Ayr - Stranraer**

Access at **lane bridge under at NS353183**

Mileage post **4 2 3/4**

NOTIFICATION

Site notified to BR

Management agreement (see section 3 for detail)

With whom	By whom	Date	Ref.

VISITS

Date	By whom	Assessment/Action
10th May 1980	Dr. C.M. Sargent, J.M. Harris & J.O. Mountford.	<p>Notably large bank with some good damp grassland in an area of improved grassland and cereals. Its size and richness make it valuable in a region with little semi-natural vegetation. The bird cover is also considerably better than the neighbour's land.</p> <p>* Suggest a visit in mid-to-late summer. Some spp., notably on <u>Allium</u> <u>are</u> impossible to identify this early. The <u>and</u> <u>on</u> <u>ment</u> <u>and</u> <u>cuttings</u> generally provide good <u>religia</u> and though none are outstanding or deserve scheduling, this example is above average and probably should be notified to B.P. as a management scheme would help continue overle</p>

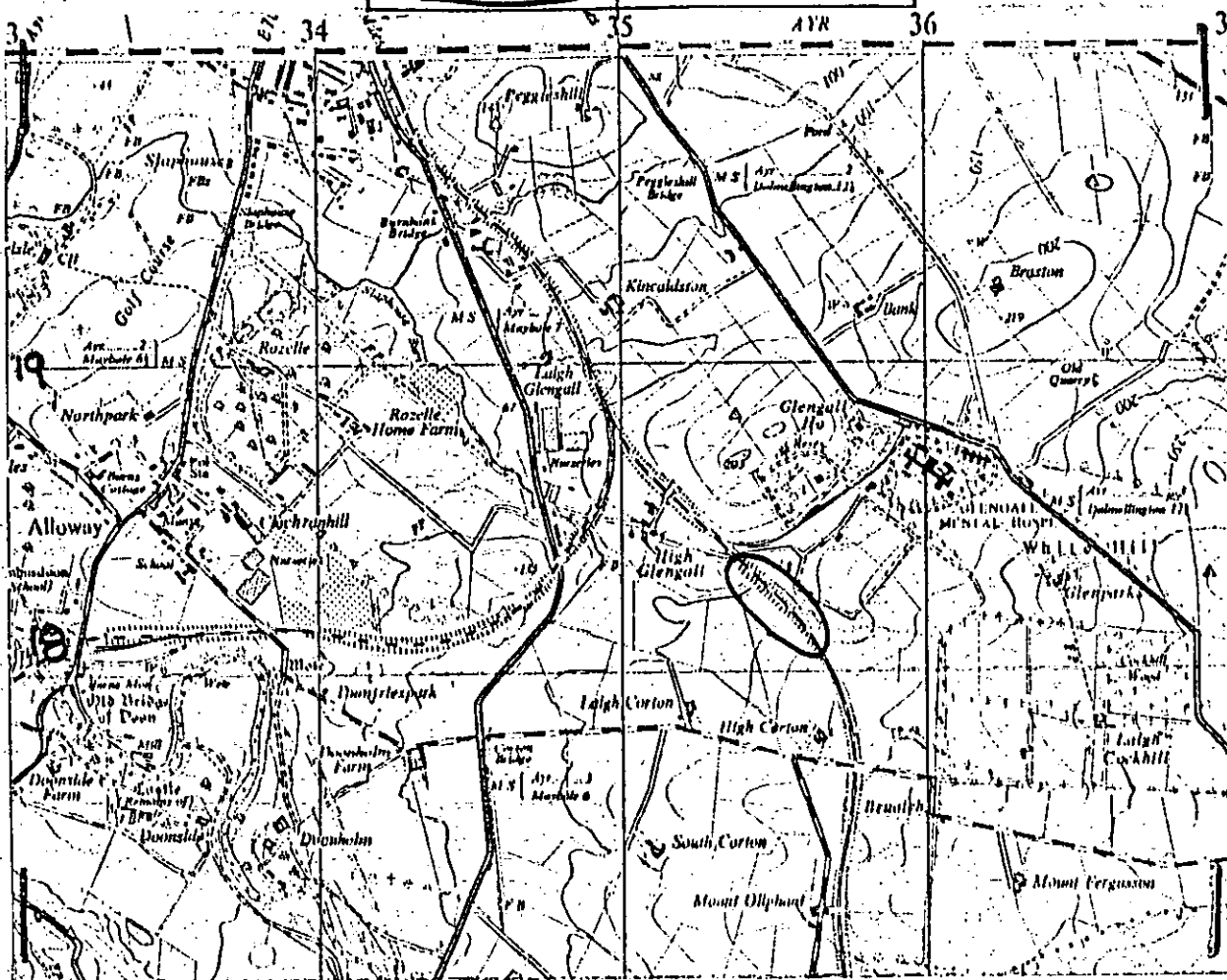
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ITE. Marks Wood.

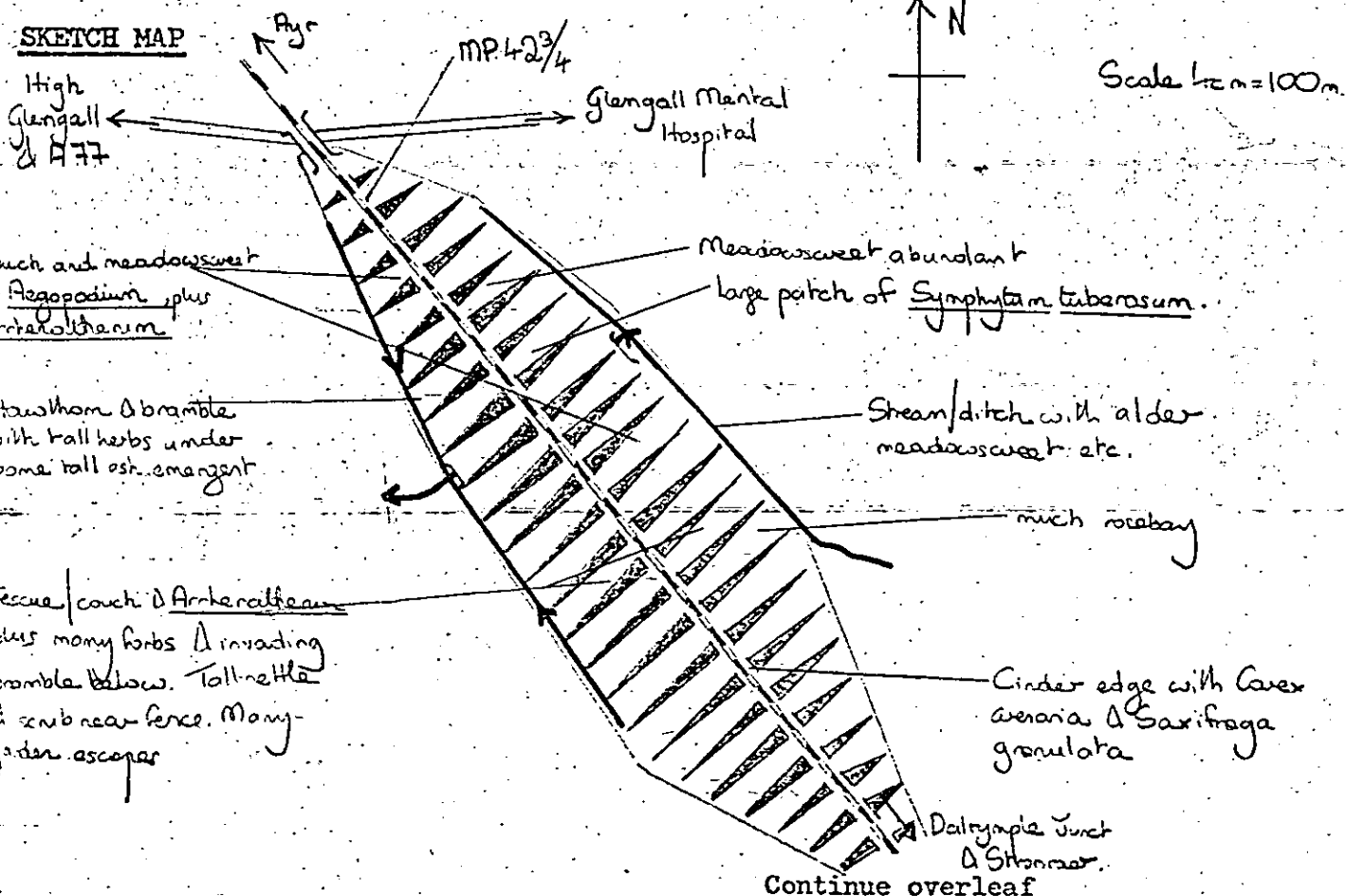
DATE **10th Sept. 1980**

LOCATION STATUS

Accurate	Approximate
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SKETCH MAP



SITE NAME Glangall

CDB ref

(Section 3)
Internal ref R246Altitude 95' → 150'

Local Geology

Some alluvium by stream; otherwise boulder clay over Carboniferous: Dinantian - Califerous Sandstone MassesNeighbouring landuses Generally improved grassland

DIRECTION FROM ACCESS

N E W S D W or BOTH

Dist from * access point	0 → 150m	0 → 150m	0 → 150m	0 → 150m				
Side of track °	SW.	SW.	NE	NE.				
Landform x	Emb.	Ditch	Emb	Ditch				
Aspect-degrees	220°	—	40°	—				
Width-metres	→ 27m.	1m.	→ 28m	→ 3.5m				
Disturbance +	M.Ball.	—	L.Ball	—				

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Piper nigrum, Allium vineale & Saxifraga granulata are all rare in Ayr. Symphytum tuberosum is regional speciality noted on five sites in this area and Omithogalum is one of several established alien of interest. Golden plover is a rare alien also and the bird list is good.

General vegn characteristics and habitat description indicate side of track.

The west bank is mainly covered in a mixture of coarse grasses and tall herbs. There are several dominants including Agropyron, Arrhenatherum and Agropodium particularly on the upper slopes in the north. Meadowweet Agropodium on the drier lower slopes and in the drier wider SW part fescue is dominant. Tribulus terrestris is common in patches. There is locally low invading bramble and Hawthorn but this is more typical of the area near the ditch where they generally form a closed thicket with some briar. A tall emergent ash over patches of an Allium sp.. The SW part is more disturbed and a number of aliens are established though the Omithogalum is naturalised in low grassland [column 1A2]. The east side is generally similar but with not as much scrub. The cinder edge of the cess supports a good population of Carex oeraria and abundant Saxifraga granulata. The area near the AP has a vegetation largely dominated by meadowweet with scattered Arrhenatherum and Agropyron there becoming dominant with Doctylis and Agropodium near the line. To the SE there are big patches of Symphytum tuberosum in close to one-spaced stands and rosettes become locally abundant. The vegetation on the slopes beyond has a quite a mixture of fescue Arrhenatherum, Agropodium and couch with Lolium pratense locally common [column 3]. The stream which drains Lock 1411 to become the Stophouse Burn forms a ditch along the foot of the slope before joining another entirely artificial ditch to go under the line by a culvert. The banks have considerable tall alder and Allium sp. plus Angelica and Epilobium lanceolatum hirsutum [column 4]

PREFERRED MANAGEMENT

Some cutting Agropyron or localized burning of the coarse grassland to encourage diversity and lower growing spp.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

None except ballast dumping

form 10.5.80

Continue overleaf

SITE NAME

Jungall

CDB ref

Internal ref R246

BRYOPHYTES

DATE 10th May 1980

RECORDER Dr. C.M. Sargent.

Additional Species NAME CODE

001	Acacu	muhi	0974	vir	185	nuc	369	oamu	363	myur	460	Pieu	scum	546	pauc	681	Adel	deci	790	Leio	bade	883	law
002	Acro	comp	089	are	186	sch	372	rufu	364	siri	462	Pieu	subu	547	pusi	682	Anas	orca	791	bani	mucl	884	plau
003	Comp	comp	089	are	187	subu	373	teai	365	piri	463	Pieu	sch	548	recu	683	Anas	doni	792	turb	plav	885	lavj
004	Comp	comp	090	are	188	subu	374	viru	366	ripa	464	Pieu	sch	549	trif	684	Anth	jula	793	Lejs	cavi	886	quid
005	Comp	comp	091	are	189	subu	375	viru	367	ripa	465	Pieu	sch	550	trif	685	Anth	hain	794	Lejs	ama	887	quid
006	Comp	comp	092	are	190	subu	376	viru	368	ripa	466	Pieu	sch	551	trif	686	Anth	hain	795	Lejs	ama	888	quid
007	Comp	comp	093	are	191	subu	377	viru	369	ripa	467	Pieu	sch	552	trif	687	Anth	hain	796	Lejs	ama	889	quid
008	Comp	comp	094	are	192	subu	378	viru	370	ripa	468	Pieu	sch	553	trif	688	Anth	hain	797	Lejs	ama	890	quid
009	Comp	comp	095	are	193	subu	379	viru	371	ripa	469	Pieu	sch	554	trif	689	Anth	hain	798	Lejs	ama	891	quid
010	Comp	comp	096	are	194	subu	380	viru	372	ripa	470	Pieu	sch	555	trif	690	Anth	hain	799	Lejs	ama	892	quid
011	Comp	comp	097	are	195	subu	381	viru	373	ripa	471	Pieu	sch	556	trif	691	Anth	hain	800	Lejs	ama	893	quid
012	Comp	comp	098	are	196	subu	382	viru	374	ripa	472	Pieu	sch	557	trif	692	Anth	hain	801	Lejs	ama	894	quid
013	Comp	comp	099	are	197	subu	383	viru	375	ripa	473	Pieu	sch	558	trif	693	Anth	hain	802	Lejs	ama	895	quid
014	Comp	comp	100	are	198	subu	384	viru	376	ripa	474	Pieu	sch	559	trif	694	Anth	hain	803	Lejs	ama	896	quid
015	Comp	comp	101	are	199	subu	385	viru	377	ripa	475	Pieu	sch	560	trif	695	Anth	hain	804	Lejs	ama	897	quid
016	Comp	comp	102	are	200	subu	386	viru	378	ripa	476	Pieu	sch	561	trif	696	Anth	hain	805	Lejs	ama	898	quid
017	Comp	comp	103	are	201	subu	387	viru	379	ripa	477	Pieu	sch	562	trif	697	Anth	hain	806	Lejs	ama	899	quid
018	Comp	comp	104	are	202	subu	388	viru	380	ripa	478	Pieu	sch	563	trif	698	Anth	hain	807	Lejs	ama	900	quid
019	Comp	comp	105	are	203	subu	389	viru	381	ripa	479	Pieu	sch	564	trif	699	Anth	hain	808	Lejs	ama	901	quid
020	Comp	comp	106	are	204	subu	390	viru	382	ripa	480	Pieu	sch	565	trif	700	Beaz	peat	810	Loph	bide	902	plau
021	Comp	comp	107	are	205	subu	391	viru	383	ripa	481	Pieu	sch	566	trif	701	Beaz	peat	811	Loph	bide	903	plau
022	Comp	comp	108	are	206	subu	392	viru	384	ripa	482	Pieu	sch	567	trif	702	Beaz	peat	812	Loph	bide	904	plau
023	Comp	comp	109	are	207	subu	393	viru	385	ripa	483	Pieu	sch	568	trif	703	Beaz	peat	813	Loph	bide	905	plau
024	Comp	comp	110	are	208	subu	394	viru	386	ripa	484	Pieu	sch	569	trif	704	Beaz	peat	814	Loph	bide	906	plau
025	Comp	comp	111	are	209	subu	395	viru	387	ripa	485	Pieu	sch	570	trif	705	Beaz	peat	815	Loph	bide	907	plau
026	Comp	comp	112	are	210	subu	396	viru	388	ripa	486	Pieu	sch	571	trif	706	Beaz	peat	816	Loph	bide	908	plau
027	Comp	comp	113	are	211	subu	397	viru	389	ripa	487	Pieu	sch	572	trif	707	Beaz	peat	817	Loph	bide	909	plau
028	Comp	comp	114	are	212	subu	398	viru	390	ripa	488	Pieu	sch	573	trif	708	Beaz	peat	818	Loph	bide	910	plau
029	Comp	comp	115	are	213	subu	399	viru	391	ripa	489	Pieu	sch	574	trif	709	Beaz	peat	819	Loph	bide	911	plau
030	Comp	comp	116	are	214	subu	400	viru	392	ripa	490	Pieu	sch	575	trif	710	Beaz	peat	820	Loph	bide	912	plau
031	Comp	comp	117	are	215	subu	401	viru	393	ripa	491	Pieu	sch	576	trif	711	Beaz	peat	821	Loph	bide	913	plau
032	Comp	comp	118	are	216	subu	402	viru	394	ripa	492	Pieu	sch	577	trif	712	Beaz	peat	822	Loph	bide	914	plau
033	Comp	comp	119	are	217	subu	403	viru	395	ripa	493	Pieu	sch	578	trif	713	Beaz	peat	823	Loph	bide	915	plau
034	Comp	comp	120	are	218	subu	404	viru	396	ripa	494	Pieu	sch	579	trif	714	Beaz	peat	824	Loph	bide	916	plau
035	Comp	comp	121	are	219	subu	405	viru	397	ripa	495	Pieu	sch	580	trif	715	Beaz	peat	825	Loph	bide	917	plau
036	Comp	comp	122	are	220	subu	406	viru	398	ripa	496	Pieu	sch	581	trif	716	Beaz	peat	826	Loph	bide	918	plau
037	Comp	comp	123	are	221	subu	407	viru	399	ripa	497	Pieu	sch	582	trif	717	Beaz	peat	827	Loph	bide	919	plau
038	Comp	comp	124	are	222	subu	408	viru	400	ripa	498	Pieu	sch	583	trif	718	Beaz	peat	828	Loph	bide	920	plau
039	Comp	comp	125	are	223	subu	409	viru	401	ripa	499	Pieu	sch	584	trif	719	Beaz	peat	829	Loph	bide	921	plau
040	Comp	comp	126	are	224	subu	410	viru	402	ripa	500	Pieu	sch	585	trif	720	Beaz	peat	830	Loph	bide	922	plau
041	Comp	comp	127	are	225	subu	411	viru	403	ripa	501	Pieu	sch	586	trif	721	Beaz	peat	831	Loph	bide	923	plau
042	Comp	comp	128	are	226	subu	412	viru	404	ripa	502	Pieu	sch	587	trif	722	Beaz	peat	832	Loph	bide	924	plau
043	Comp	comp	129	are	227	subu	413	viru	405	ripa	503	Pieu	sch	588	trif	723	Beaz	peat	833	Loph	bide	925	plau
044	Comp	comp	130	are	228	subu	414	viru	406	ripa	504	Pieu	sch	589	trif	724	Beaz	peat	834	Loph	bide	926	plau
045	Comp	comp	131	are	229	subu	415	viru	407	ripa	505	Pieu	sch	590	trif	725	Beaz	peat	835	Loph	bide	927	plau
046	Comp	comp	132	are	230	subu	416	viru	408	ripa	506	Pieu	sch	591	trif	726	Beaz	peat	836	Loph	bide	928	plau
047	Comp	comp	133	are	231	subu	417	viru	409	ripa	507	Pieu	sch	592	trif	727	Beaz	peat	837	Loph	bide	929	plau
048	Comp	comp	134	are	232	subu	418	viru	410	ripa	508	Pieu	sch	593	trif	728	Beaz	peat	838	Loph	bide	930	plau
049	Comp	comp	135	are	233	subu	419	viru	411	ripa	509	Pieu	sch	594	trif	729	Beaz	peat	839	Loph	bide	931	plau
050	Comp	comp	136	are	234	subu	420	viru	412	ripa	510	Pieu	sch	595	trif	730	Beaz	peat	840	Loph	bide	932	plau
051	Comp	comp	137	are	235	subu	421	viru	413	ripa	511	Pieu	sch	596	trif	731	Beaz	peat	841	Loph	bide	933	plau
052	Comp	comp	138	are	236	subu	422	viru	414	ripa	512	Pieu	sch	597	trif	732	Beaz	peat	842	Loph	bide	934	plau
053	Comp	comp	139	are	237	subu	423	viru	415	ripa	513	Pieu	sch	598	trif	733	Beaz	peat	843	Loph	bide	935	plau
054	Comp	comp	140	are	238	subu	424	viru	416	ripa	514	Pieu	sch	599	trif	734	Beaz	peat	844	Loph	bide	936	plau
055	Comp	comp	141	are	239	subu	425	viru	417	ripa	515	Pieu	sch	600	trif	735	Beaz	peat	845	Loph	bide	937	plau
056	Comp	comp	142	are	240	subu	426	viru	418	ripa	516	Pieu	sch	601	trif	736	Beaz	peat	846	Loph	bide	938	plau
057	Comp	comp	143	are	241	subu	427	viru	419	ripa	517	Pieu	sch	602	trif	737	Beaz	peat	847	Loph	bide	939	plau
058	Comp	comp	144	are	242	subu	428	viru	420	ripa	518	Pieu	sch	603	trif	738	Beaz	peat	848	Loph	bide	940	plau
059	Comp	comp	145	are	243	subu	429	viru	421	ripa	519	Pieu	sch	604	trif	739	Beaz	peat	849	Loph	bide	941	plau
060	Comp	comp	146	are	244	subu	430	viru	422	ripa	520												

ANIMAL RECORD	REGN. Sc	DIVN. G	AREA I	SITE R246
SITE NAME Glangall	RECORDER J.M. Harris	WEATHER 80% cloud and with a slight breeze but bright & sunny.		LANDFORM 1 2 3 4 5 6 7 Generally a large embankment with fairly even slopes down to a pair of ditches with narrow associated flats.
M.P. 4 2 3/4	TIPPING Generally light & colonised.	DATE 10.5.80	TIME 1150 → 1330.	
COUNTY Strathclyde (Kyle & Carrick)	N.L.U. Improved grassland			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
1	6	55	700	The bulk of the upper slope is a mixture of coarse herb-rich grassland and tall herb patches. Near the ditches & stream however especially on the SW. side then scrub becomes dominant and there are lines of taller trees along the ditch bank. Species-rich in flowering plants and likely to support a good insect fauna. Bird list above shows - the tree provides cover in an open area and a variety of food. Big enough to have some refuge value.	Birds (small)	2	2	2
0	5	40	700		Birds (large)	1	1	2
3	0	5	700		Mamm. (small)	2	2	2
3	2	1	700		Mamm. (large)	1	1	1
					Other verts.	2	2	2
					Lepidoptera	2	-	3
					Other insects	2	2	2
				Other inverts.	2	2	2	

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Willow Warbler	4720	2	Roe Deer	1	Tipulid flies	3
Blue Tit	3800	1	Mole (hills)	2	Small Tortoiseshell	1
Curlew	2020	1				
Carion Crow	3681	1				
Sedge Warbler	4500	1				
Chaffinch	5550	1				
Blackbird	4240	1				
Whitethroat	4610	1				
Woodpigeon	2990	1				
Lesser Black-backed Gull	2570	1				
Starling	5180	2				
Mallard	0720	1				
Wren	3980	1				
Golden Pheasant [Reported]	9530	1				
contd. over			contd. over		contd. over	
Chiffchaff	4730	1				
Pheasant	1620	1				
Sparrowhawk	1130	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Pinnore

Map Ref NX20.90 Data bank ref

NCC Region South-west Scotland County Strathclyde (Kyle & C.) Internal ref B184

STATUS

Part of	Adjacent to	MNR	PNNR	INR	SSSI	
---------	-------------	-----	------	-----	------	--

County Flora site. State ref -

Local Information site. State source - J.B. Pendlebury, D.R.O., N.C.C.

Discovery etc. (Describe) -

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Good deciduous woodland, scrub, rough & healthy grass-land. Marshy patches and some rock exposures

Geological)

RAILWAY REGION Scottish DIVISION Glasgow AREA South

Address of Area Civil Engrs Office Mr. J.H. Picken (D.C.E.)

Telephone number

Blythwood Ho.
GLASGOW

Tel. No. 04-332-9811

Name of railway line Ayr -> Stranraer

Access at Viaduct over A714 at NX 201910

Mileage post 5 3/4 -> 6 1/4

NOTIFICATION

Site notified to BR

Management agreement (see section 3 for detail)

With whom	By whom	Date	Ref.

VISITS

Date	By whom	Assessment/Action
<u>11th May 1980</u>	<u>Dr. C.M. Sargent, J.M. Harris & J.O. Mountford</u>	<u>Large and diverse site on valley side with good plant list and a variety of birds. Little special but provides a cross-section of local vegetation types and an exceptionally large piece of cro-land for B.R. which although common off B.R. here is usually protected.</u> <u>* Suggest further surveying in the area. Three areas were looked at between Giron and Barnhill of which this was the best but it is still not outstanding and a walk along the whole stretch might provide a better conservation site.</u>

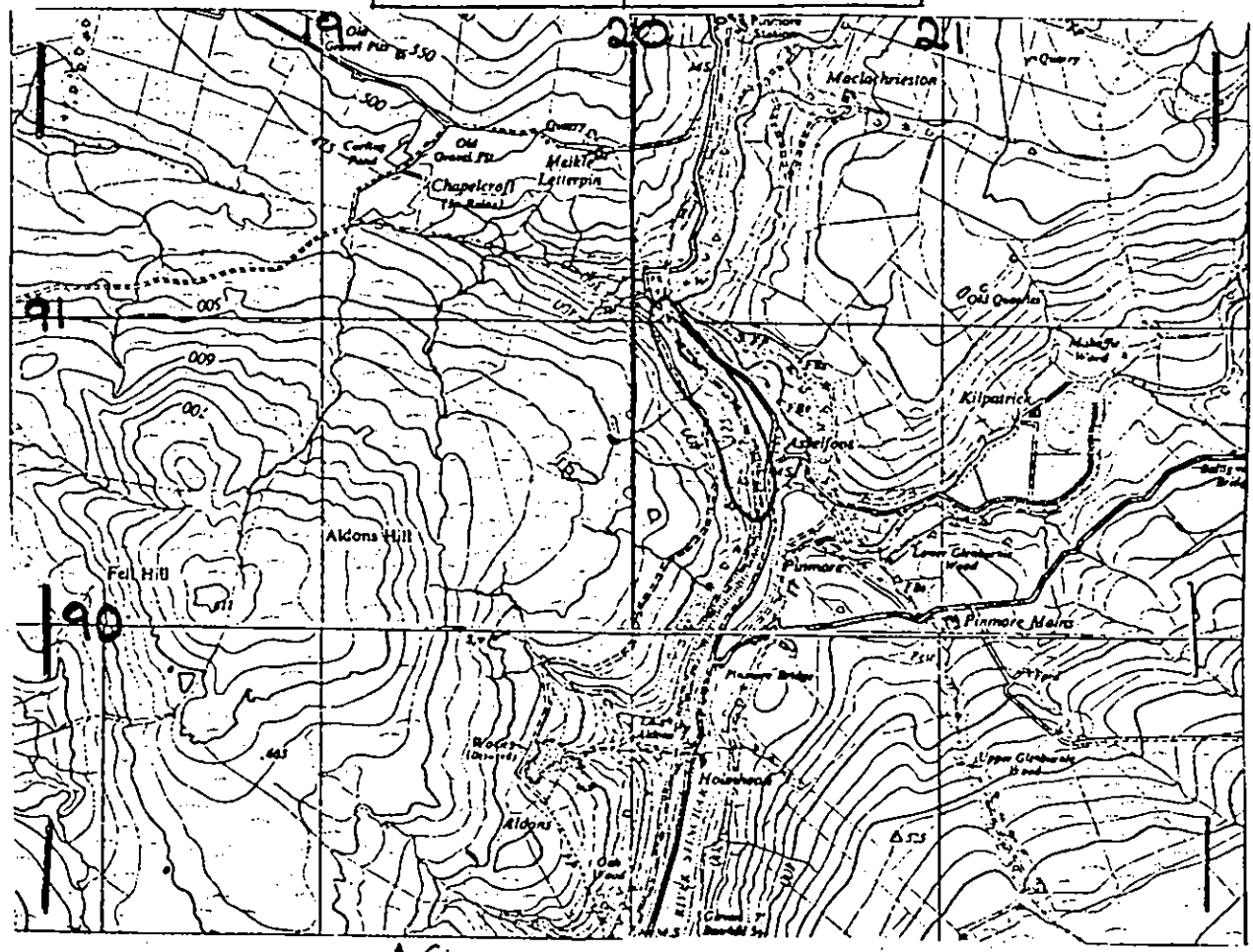
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FILE OPENED BY ITE Marks Wood

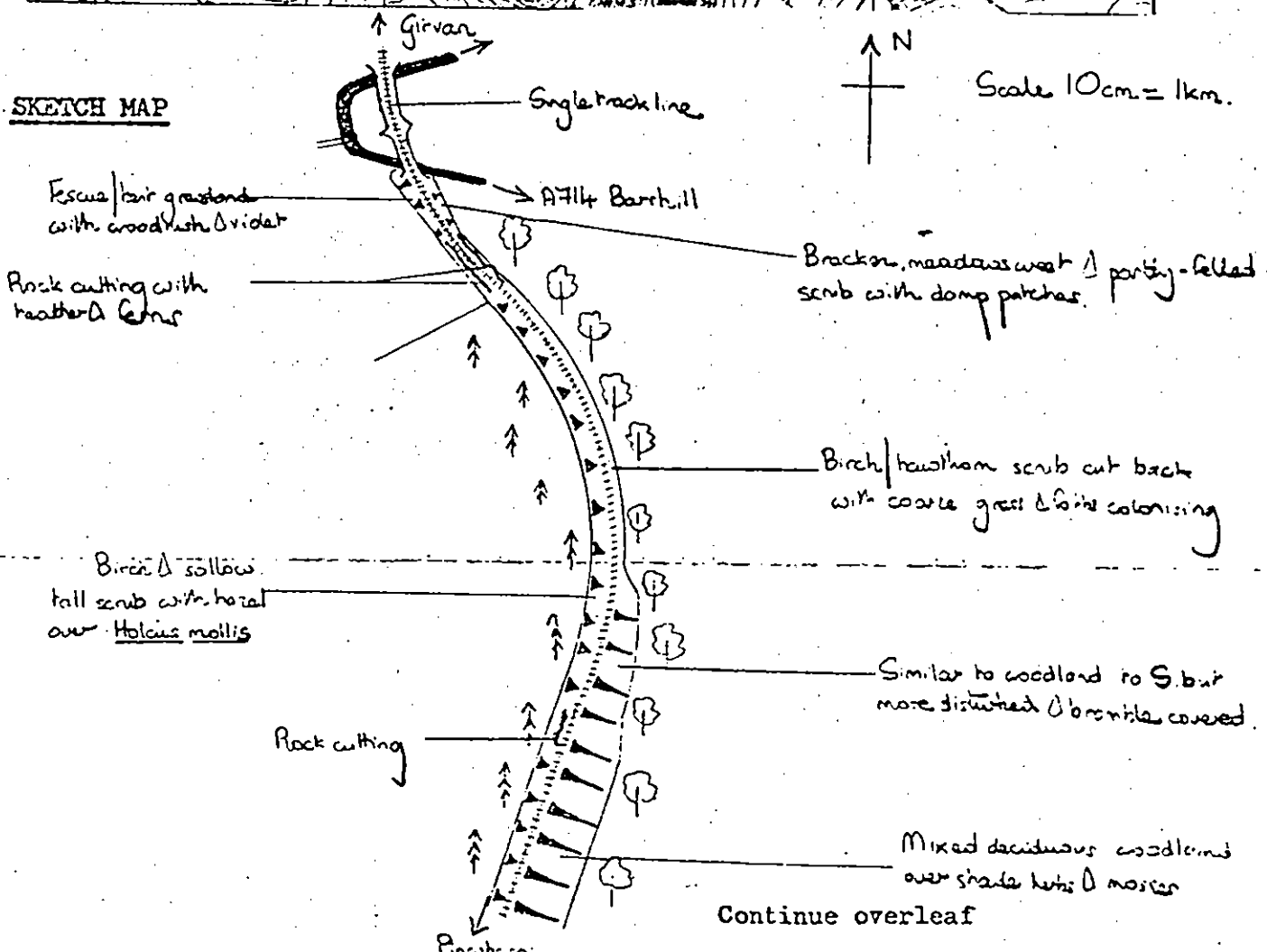
DATE 17th Nov. 1980

LOCATION STATUS

Accurate	Approximate
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SKETCH MAP



SITE NAME

Pinnore

CDB ref

(Section 3)
Internal ref B184

Altitude c. 400'

Local Geology Ordovician: Mandale, Kirtland Conglomerate.

Neighbouring Landuses

Improved rough upland grassland, broadleaved & conifer woodland plus a road.

DIRECTION FROM ACCESS

N E W **S** E W or BOTH

Dist from * access point	0 → 100m.	100 → 200, 300 → 350m.	200 → 900m.	0 → 100m.	100 → 200m.	200 → 500m.	500 → 600m.	600 → 900m.
Side of track °	W	W.	W.	E.	E.	E.	E.	E.
Landform x	C.Emb.	S.Cut	Cut.	Emb.	S.Cut.	Flat/Cut.	Emb.	Emb.
Aspect-degrees	260°	80°	80°	80°	260°	270°	295°	100°
Width-metres	→5m.	→10m.	→15m.	→10m.	→10m.	→5m.	→15m.	→30m.
Disturbance +	Clear	—	—	Clear	—	Clear	Clear	Clear

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST 20 spp. of vascular plant (inc 3+ exsicc.) and 40+ bryophytes. Several spp. are local or rare including *Festuca arundinacea*, *Ribes nigrum*, *Taxus*, *Arabis* spp. & *Gaultheria shallon*. The long-eared Owl is a declining species. The protected woodland is valuable.

General vegn characteristics and habitat description indicate side of track.

The West side is generally a medium cutting covered in tall birch and sallow scrub with some hazel over a grassy slope of *Holcus mollis* etc. with *Ranunculus*, *Mercurialis*, *Dryopteris* spp. etc. A patch of *Gaultheria* occurs in the S. part [column 3]. Near the AP, however, the slope widens and dips to form a short embankment covered in tussock grassland with *heuka* and *Viola*. This is fine & tall near the area where the slope is short but near the road it is covered with evidence of scrub clearance. [column 1]. There are two areas of rock exposure. One near the AP has a two-sided cutting, the other well to the S. has a rock face only on the west. Bare rock & *Calluna* are the main cover with *Polypodium*, *Cardamine* and a good variety of bryophytes [columns 2 & 5]. The east side has a wide embankment at first with partially filled ash scrub over abundant *Anemone*. Areas of bracken are present plus madder scrub and fern cover waterlogging occurs [column 4]. The middle area is a low cutting or flat with birch/hawthorn scrub cut back to leave a straggling hedge and leaving much cut timber and soil disturbance. The ground cover is *Ambrosia* and *Dactylis* with *Rosa* spp. and hogweed. [column 6]. The bank widens to produce a medium embankment covered in tall mixed deciduous scrub over brambles and ferns with some invading rhododendron. The upper part has been severely cut back and ballast dumping quite thick in places has disturbed it. A little burning has occurred [column 7]. The slope widens still further to produce a wide bank covered in birch, elm, ash & hazel young woodland over *Mercurialis*, *Endymion*, *Anemone* and ferns plus a great deal of pleurocarpous bryophytes. A little cutting and ballast dumping has also occurred here but is confined to the very top of the slope [column 8].

PREFERRED MANAGEMENT

The site is quite vigorously managed and some relaxation of all but the most essential scrub cutting could help.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Many cut stumps and timber along the trackside & near the AP. Ballast dumping local on emb. Fire made locally to remove the timber

11.580 form.

Continue overleaf

SITE NAME

Pinnore

CDB ref

Internal ref 8184

BRYOPHYTES

DATE 11th May 1980

RECORDER Dr. C.M. Sargent

Additional Species
CODE NAME

01	Acro	muti	0874	wrl	185	rufe	269	oamu	361	myar	460	Picu	ecum	546	pauc	681	Adel	deci	790	Leno	bade	lav	Additional Species
02	Acro	cord	0875	agrt	186	schr	272	texti	364	Lept	461	subu	ecum	547	recu	683	Asas	orca	791	biel	bant	plac	NAME
03	Acro	cusp	0876	lana	187	squa	273	texti	365	Lept	462	Picu	schr	548	fecu	684	Asas	doni	794	biel	biel	plac	
04	Acro	scap	0877	bico	188	van	274	anti	366	Lept	463	Picu	schr	549	trif	686	Anth	jula	796	Lele	triv	quid	
05	Acro	scap	0878	cees	189	asp	275	anti	367	Lept	464	Picu	ecum	550	nova	688	Anth	hurn	801	lama	azor	quid	
06	Acro	scap	0879	can	190	Dier	276	anti	368	Lept	465	Picu	ecum	551	Sema	689	Anth	laev	801	azor	azor	quid	
07	Acro	scap	0880	can	191	Dier	277	anti	369	Lept	466	Picu	ecum	552	Sema	690	Anth	laev	801	azor	azor	quid	
08	Acro	scap	0881	can	192	Dier	278	anti	370	Lept	467	Picu	ecum	553	Sema	691	Apha	mier	802	lema	lema	quid	
09	Acro	scap	0882	can	193	Dier	279	anti	371	Lept	468	Picu	ecum	554	Sema	692	Barb	silla	803	lema	lema	quid	
10	Acro	scap	0883	can	194	Dier	280	anti	372	Lept	469	Picu	ecum	555	Sema	693	Barb	silla	804	lema	lema	quid	
11	Acro	scap	0884	can	195	Dier	281	anti	373	Lept	470	Picu	ecum	556	Sema	694	Barb	silla	805	lema	lema	quid	
12	Acro	scap	0885	can	196	Dier	282	anti	374	Lept	471	Picu	ecum	557	Sema	695	Barb	silla	806	lema	lema	quid	
13	Acro	scap	0886	can	197	Dier	283	anti	375	Lept	472	Picu	ecum	558	Sema	696	Barb	silla	807	lema	lema	quid	
14	Acro	scap	0887	can	198	Dier	284	anti	376	Lept	473	Picu	ecum	559	Sema	697	Barb	silla	808	lema	lema	quid	
15	Acro	scap	0888	can	199	Dier	285	anti	377	Lept	474	Picu	ecum	560	Sema	698	Barb	silla	809	lema	lema	quid	
16	Acro	scap	0889	can	200	Dier	286	anti	378	Lept	475	Picu	ecum	561	Sema	699	Barb	silla	810	lema	lema	quid	
17	Acro	scap	0890	can	201	Dier	287	anti	379	Lept	476	Picu	ecum	562	Sema	700	Barb	silla	811	lema	lema	quid	
18	Acro	scap	0891	can	202	Dier	288	anti	380	Lept	477	Picu	ecum	563	Sema	701	Barb	silla	812	lema	lema	quid	
19	Acro	scap	0892	can	203	Dier	289	anti	381	Lept	478	Picu	ecum	564	Sema	702	Barb	silla	813	lema	lema	quid	
20	Acro	scap	0893	can	204	Dier	290	anti	382	Lept	479	Picu	ecum	565	Sema	703	Barb	silla	814	lema	lema	quid	
21	Acro	scap	0894	can	205	Dier	291	anti	383	Lept	480	Picu	ecum	566	Sema	704	Barb	silla	815	lema	lema	quid	
22	Acro	scap	0895	can	206	Dier	292	anti	384	Lept	481	Picu	ecum	567	Sema	705	Barb	silla	816	lema	lema	quid	
23	Acro	scap	0896	can	207	Dier	293	anti	385	Lept	482	Picu	ecum	568	Sema	706	Barb	silla	817	lema	lema	quid	
24	Acro	scap	0897	can	208	Dier	294	anti	386	Lept	483	Picu	ecum	569	Sema	707	Barb	silla	818	lema	lema	quid	
25	Acro	scap	0898	can	209	Dier	295	anti	387	Lept	484	Picu	ecum	570	Sema	708	Barb	silla	819	lema	lema	quid	
26	Acro	scap	0899	can	210	Dier	296	anti	388	Lept	485	Picu	ecum	571	Sema	709	Barb	silla	820	lema	lema	quid	
27	Acro	scap	0900	can	211	Dier	297	anti	389	Lept	486	Picu	ecum	572	Sema	710	Barb	silla	821	lema	lema	quid	
28	Acro	scap	0901	can	212	Dier	298	anti	390	Lept	487	Picu	ecum	573	Sema	711	Barb	silla	822	lema	lema	quid	
29	Acro	scap	0902	can	213	Dier	299	anti	391	Lept	488	Picu	ecum	574	Sema	712	Barb	silla	823	lema	lema	quid	
30	Acro	scap	0903	can	214	Dier	300	anti	392	Lept	489	Picu	ecum	575	Sema	713	Barb	silla	824	lema	lema	quid	
31	Acro	scap	0904	can	215	Dier	301	anti	393	Lept	490	Picu	ecum	576	Sema	714	Barb	silla	825	lema	lema	quid	
32	Acro	scap	0905	can	216	Dier	302	anti	394	Lept	491	Picu	ecum	577	Sema	715	Barb	silla	826	lema	lema	quid	
33	Acro	scap	0906	can	217	Dier	303	anti	395	Lept	492	Picu	ecum	578	Sema	716	Barb	silla	827	lema	lema	quid	
34	Acro	scap	0907	can	218	Dier	304	anti	396	Lept	493	Picu	ecum	579	Sema	717	Barb	silla	828	lema	lema	quid	
35	Acro	scap	0908	can	219	Dier	305	anti	397	Lept	494	Picu	ecum	580	Sema	718	Barb	silla	829	lema	lema	quid	
36	Acro	scap	0909	can	220	Dier	306	anti	398	Lept	495	Picu	ecum	581	Sema	719	Barb	silla	830	lema	lema	quid	
37	Acro	scap	0910	can	221	Dier	307	anti	399	Lept	496	Picu	ecum	582	Sema	720	Barb	silla	831	lema	lema	quid	
38	Acro	scap	0911	can	222	Dier	308	anti	400	Lept	497	Picu	ecum	583	Sema	721	Barb	silla	832	lema	lema	quid	
39	Acro	scap	0912	can	223	Dier	309	anti	401	Lept	498	Picu	ecum	584	Sema	722	Barb	silla	833	lema	lema	quid	
40	Acro	scap	0913	can	224	Dier	310	anti	402	Lept	499	Picu	ecum	585	Sema	723	Barb	silla	834	lema	lema	quid	
41	Acro	scap	0914	can	225	Dier	311	anti	403	Lept	500	Picu	ecum	586	Sema	724	Barb	silla	835	lema	lema	quid	
42	Acro	scap	0915	can	226	Dier	312	anti	404	Lept	501	Picu	ecum	587	Sema	725	Barb	silla	836	lema	lema	quid	
43	Acro	scap	0916	can	227	Dier	313	anti	405	Lept	502	Picu	ecum	588	Sema	726	Barb	silla	837	lema	lema	quid	
44	Acro	scap	0917	can	228	Dier	314	anti	406	Lept	503	Picu	ecum	589	Sema	727	Barb	silla	838	lema	lema	quid	
45	Acro	scap	0918	can	229	Dier	315	anti	407	Lept	504	Picu	ecum	590	Sema	728	Barb	silla	839	lema	lema	quid	
46	Acro	scap	0919	can	230	Dier	316	anti	408	Lept	505	Picu	ecum	591	Sema	729	Barb	silla	840	lema	lema	quid	
47	Acro	scap	0920	can	231	Dier	317	anti	409	Lept	506	Picu	ecum	592	Sema	730	Barb	silla	841	lema	lema	quid	
48	Acro	scap	0921	can	232	Dier	318	anti	410	Lept	507	Picu	ecum	593	Sema	731	Barb	silla	842	lema	lema	quid	
49	Acro	scap	0922	can	233	Dier	319	anti	411	Lept	508	Picu	ecum	594	Sema	732	Barb	silla	843	lema	lema	quid	
50	Acro	scap	0923	can	234	Dier	320	anti	412	Lept	509	Picu	ecum	595	Sema	733	Barb	silla	844	lema	lema	quid	
51	Acro	scap	0924	can	235	Dier	321	anti	413	Lept	510	Picu	ecum	596	Sema	734	Barb	silla	845	lema	lema	quid	
52	Acro	scap	0925	can	236	Dier	322	anti	414	Lept	511	Picu	ecum	597	Sema	735	Barb	silla	846	lema	lema	quid	
53	Acro	scap	0926	can	237	Dier	323	anti	415	Lept	512	Picu	ecum	598	Sema	736	Barb	silla	847	lema	lema	quid	
54	Acro	scap	0927	can	238	Dier	324	anti	416	Lept	513	Picu	ecum	599	Sema	737	Barb	silla	848	lema	lema	quid	
55	Acro	scap	0928	can	239	Dier	325	anti	417	Lept	514	Picu	ecum	600	Sema	738	Barb	silla	849	lema	lema	quid	
56	Acro	scap	0929	can	240	Dier	326	anti	418	Lept	515	Picu	ecum	601	Sema	739	Barb	silla	850	lema	lema	quid	
57	Acro	scap	0930	can	241	Dier	327	anti	419	Lept	516	Picu	ecum	602	Sema	740	Barb	silla	851	lema	lema	quid	
58	Acro	scap	0931	can	242	Dier	328	anti	420	Lept	517	Picu	ecum	603	Sema	741	Barb	silla	852	lema	lema	quid	
59	Acro	scap	0932	can	243	Dier	329	anti	421	Lept	518	Picu	ecum	604	Sema	742	Barb	silla	853	lema	lema	quid	
60	Acro	scap	0933	can	244	Dier	330	anti	422	Lept	519	Picu	ecum	605	Sema	743	Barb	silla	854	lema	lema	quid	
61	Acro	scap	0934	can	245	Dier	331	anti	423	Lept	520	Picu	ecum	606	Sema	744	Barb	silla	855	lema	lema	quid	
62	Acro	scap	0935	can	246	Dier	332	anti	424	Lept	521	Picu	ecum	607	Sema	745	Barb	silla	856	lema	lema	quid	
63	Acro	scap	0936	can	247	Dier	333	anti	425	Lept	522	Picu	ecum	608	Sema	746	Barb	silla	857	lema	lema	quid	
64	Acro	scap	0937	can	248	Dier	334	anti	426	Lept	523	Picu	ecum	609	Sema	747	Barb	silla	858	lema	lema	quid	
65	Acro	scap	0938	can	249	Dier	335	anti	427	Lept	524	Picu	ecum	610	Sema	748	Barb	silla	859	lema	lema	quid	
66	Acro	scap	0939	can	250	Dier	336	anti	428	Lept	525	Picu	ecum	611	Sema	749	Barb	silla	860	lema	lema	quid	
67	Acro	scap	0940	can	251	Dier	337	anti	429	Lept	526	Picu	ecum	612	Sema	750	Barb	silla	861	lema	lema	quid	
68	Acro	scap	0941	can	252	Dier	338	anti	430	Lept	527	Picu	ecum	613	Sema	751	Barb	silla	862	lema	lema	quid	
69	Acro	scap	0942	can																			

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Tron Links

Map Ref NS33.29. Data bank ref.

NCC Region South-west Scotland County Strathclyde [Kyles C.] Internal ref B188

STATUS

Part of	<u>Adjacent to</u>	NNR	PNNR	INR	<u>SSSI</u>	
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) -

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Marsh, heath, sandy grassland & low scrub.

Geological)

RAILWAY REGION Scottish DIVISION Glasgow AREA South

Address of Area Civil Engrs Office Mr. J.H. Picken (D.C.E.)

Telephone number
Blythswood House
GLASGOW

Tel. No. 041-332.9811

Name of railway line Tron → Ayr

Access at 8749 bridge over, Sn. Tron at NS33+299

Mileage post 95 → 95 3/4

NOTIFICATION

Site notified to BR

Management agreement:
(see section 3 for detail)

With whom	By whom	Date	Ref.

VISITS

Date	By whom	Assessment/Action
<u>14th May 1980</u>	<u>Dr. C.M. Sargent, J.M. Harris and J.O. Mountford.</u>	<u>Generally rather narrow but providing a useful boundary to develop flora. There are patches of good sandy grassland similar to those on the Tron: Golf Links & Foreshore S.S.S.I. but here protected & less trampled. A good area of marsh with local Sphagnum development occurs near the north end and is extensive enough to be a useful new habitat in the area. Good spp list with a number of local spp. * Take noted. It is not of itself of sufficient value for conservation measures but the coastal line here is above average and should be surveyed to assess its function as a refuge for dune plants etc. The marsh may deserve to be mentioned to B.A..</u>

Continue overlea

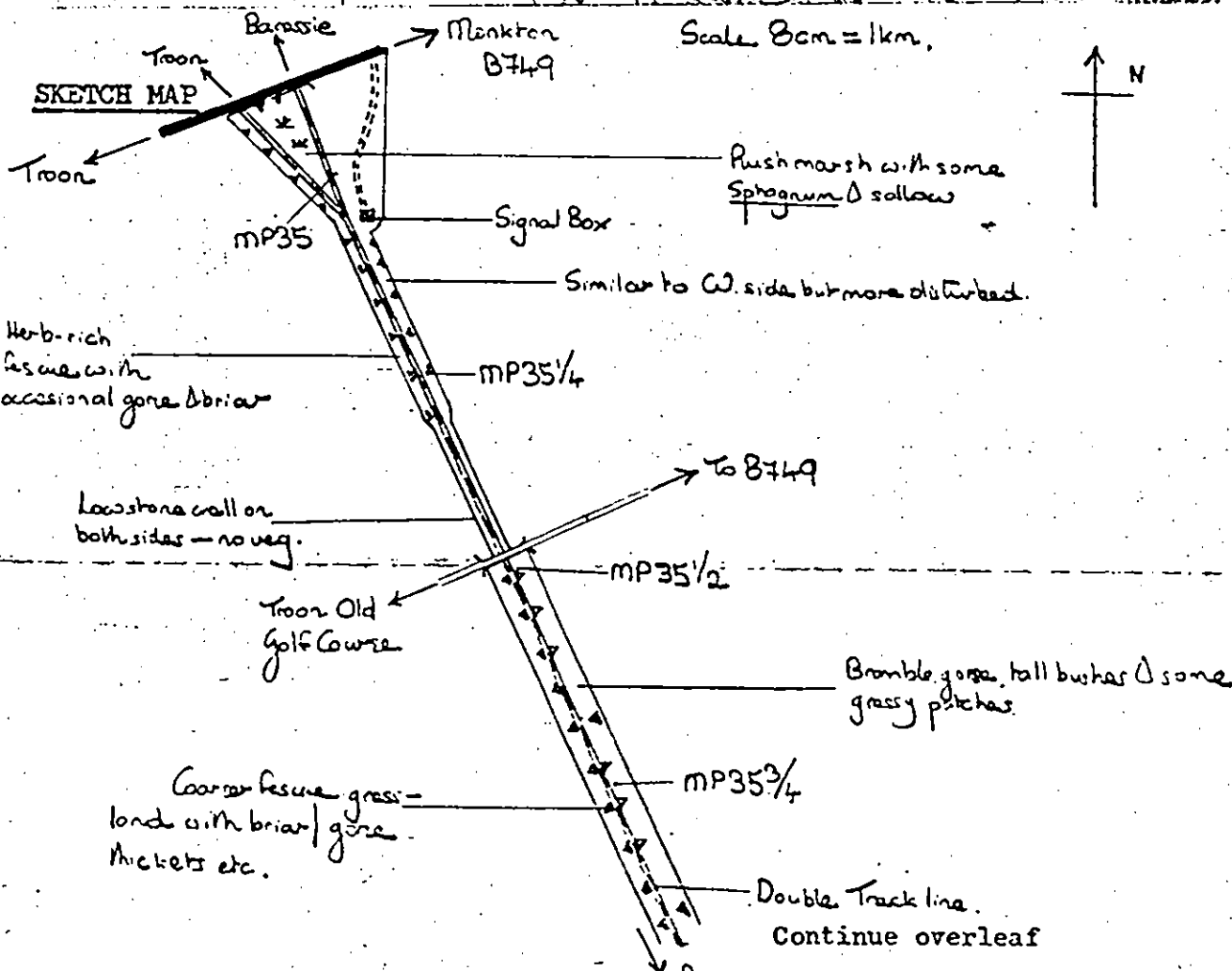
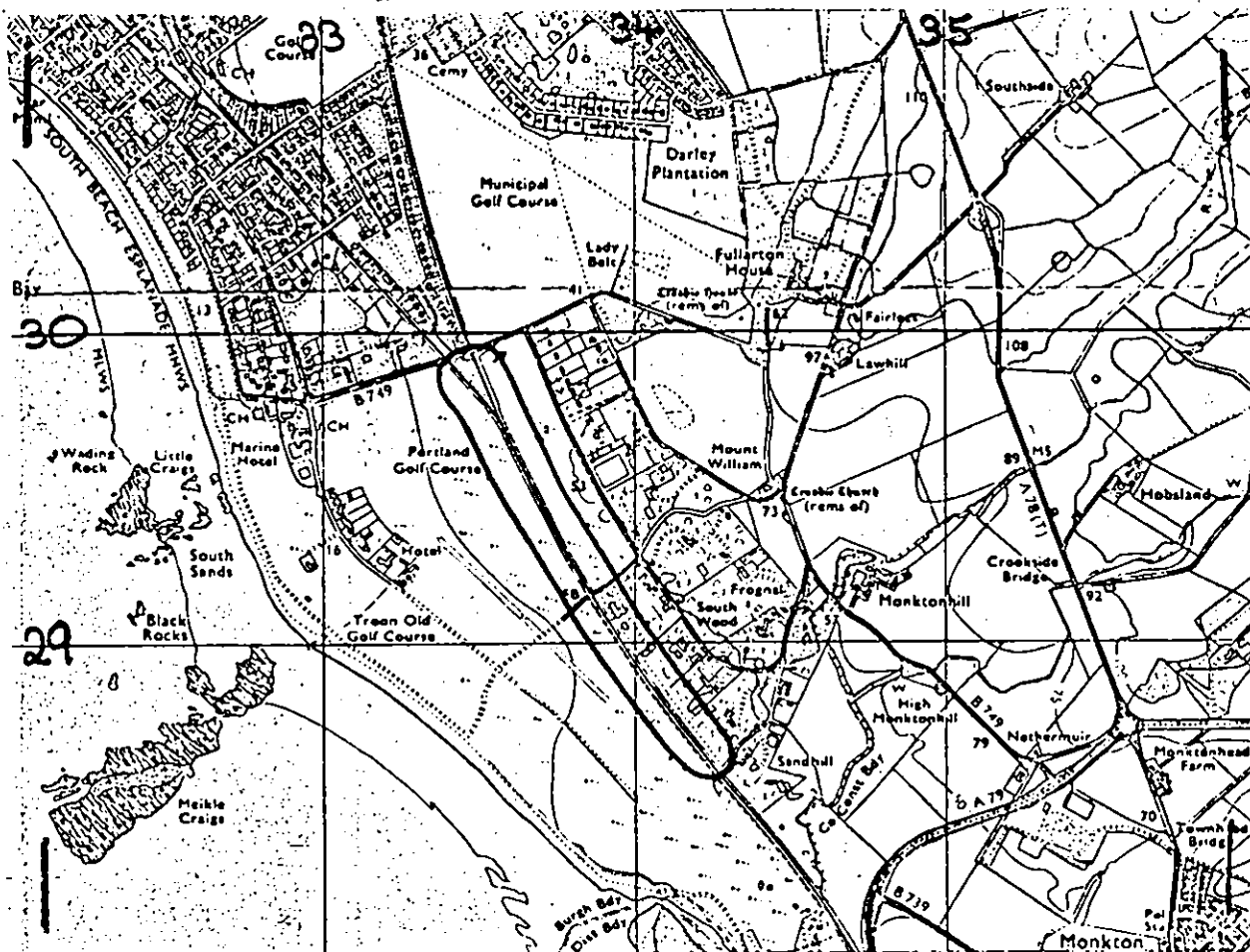
FILE OPENED BY

ITE Marks Wood

DATE 2nd Dec 1980

LOCATION STATUS

<u>Accurate</u>	Approximate
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SITE NAME Troon Links

CDB ref

Altitude → 40'

Local Geology

Blown sands. Over Carboniferous (Westphalian) Middle Coal Measures - productive; with line of Igneous Intrusive (late Carb.) Doleritic Rock: Taschite across middle.

Neighbouring landuses Golf Courses & mixed woodland

DIRECTION FROM ACCESS

N E W (S) E W or BOTH

Dist from * access point	10 → 200m	0 → 500m	500 → 650m	150 → 650m	900 → 1400m	900 → 1400m		
Side of track °	In fork	W	W	E	W	E		
Landform x	Flat	C. Cut	Flat	C. Cut	C. Emb.	gn. C. Emb.		
Aspect-degrees	-	65°	-	245°	245°	65°		
Width-metres	→ 50m	2+3m	→ 5m	→ 6m	→ 6m	→ 5m		
Disturbance +	-	L. Tipp.	L. Tipp.	L. Tip.	-	loc. Fire.		

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Over 130 spp. with some local sand plants: *Taschalia*, *Sarcocolla granulata*, *Rosa pimpinellifolia* and *Cerastium affine*. *Hypericum maculatum*, *Sedum album*, *Lepidostichum heterophyllum* are all rather uncommon plants. *Chenopodium* & *Ambrosia* are at the edge of their range, *Symphytum tuberosum* is a local speciality. The *Molinia* & *Sorbi* are interesting shrubs.

General vein characteristics and habitat description indicate side of track.

The rush marsh in the fork of the Troon & bypass line is dominated by *Juncus acutiflorus*. It is notably herb-rich with abundant *Aster*, *Valeriana* and *Rumex acetosa*. Some very wet areas have *Sphagnum* plus *Dicranum bonjeanii* & *Lophocolea*. Willow scrub is developing locally near the road. Around the edges are heather, *Poa* & bent and the banks up to the line have *Arrhenatherum* & *Agropodium* etc. [col. 1]

The west bank south to beyond MP35 1/4 is a low cutting slope & flat becoming a flat above. A covered in herb-rich *Poa* grassland with *Plantago*, *Galium verum* etc. and patches of gorse and *Rosa pimpinellifolia*. *Carex diandra*, *Ammophila* & other dune spp. occur locally & in the S. the veg. gets bushier with more frequent ballasting [column 2 & 3]. The east bank is generally similar but has rather fewer forbs & more *Ammophila*. There is more frequent disturbance with *Valerianella* and *Mysotis* colonising the bare soil [column 4]. A low stone wall runs by the track on both sides down to the bridge over carrying a footpath at MP35 1/2. From here southward the line runs mainly on a low embankment though locally on the E side a flat and/or a low cutting occurs. The west side has coarse *Poa* grassland with abundant gorse and burnt-rose in quite dense thickets. Near the marginal wall there is more *Arrhenatherum*, rattle & bramble and *Vicia sativa* is quite frequent. *Ammophila* and *Agropyron juncaiforme* are common [column 5]. The east side is generally similar but there is less *Ammophila* etc, more bramble & a greater variety of taller bushes. The alder *Sorbi* and elm occur and patches of *Molinia* and *Symphytum tuberosum* grow in shade near the bridge. Where the cutting & flat occurs in the S., *Poa* grassland is more extensive & richer with much *Viola riviniana*. [column 6].

PREFERRED MANAGEMENT

A little scrub clearance & mowing to encourage a good rich sandy grassland in places. Generally however the current variety is useful.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Some accidental burning. Ballasting locally.

14.5.80 form.

SITE NAME

Toon Links

CDB ref

Internal ref 8188

BRYOPHYTES

DATE 14th May 1980

RECORDER D.C.M. Sargent

Additional Species
NAME

CODE	NAME	Additional Species
883	Lev	Lev
884	plat	plat
885	plat	plat
886	quid	quid
887	quid	quid
888	quid	quid
889	quid	quid
890	quid	quid
891	quid	quid
892	quid	quid
893	quid	quid
894	quid	quid
895	quid	quid
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1000	quid	quid

ANIMAL RECORD	REGN. Sc	DIVN. G	AREA S	SITE B188	
SITE NAME Troon Links	RECORDER J.M. Harris	WEATHER Bright and sunny - slight heat back, no cloud cover. Warm to very warm. Breeze slight to moderate		LANDFORM 1 2 3 4 5 6 7 Mainly low cuttings & emb. with narrow flat. Cutting to N. beyond MP 35 1/4; Emb. S. of 35 1/2. Broad flat between lines at N. end.	
M.P. 35 → 35 3/4	TIPPING Generally light & almost colonized.	DATE 14.5.80	TIME 1205 → 1310 1630 → 1715		
COUNTY Strathclyde [Kyle & Carrick]	N.L.U. Golf-course & mixed woodlands				

HABITAT APPRAISAL

A	B	%	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	25	700	Marshy area with some scrub & coarse grass plus heath. Between lines at N. end generally low ground of heath etc with gorse & <i>Rosa pimpinellifolia</i> . Emb to S. similar but more scrub which is taller & mixed. Rather poor for birds generally being small/ & lacking cover but the line provides useful shelter from the open links. The marsh & scrubby embankment are considerably better but they lie near good suburban gardens. Probably supports an interesting invertebrate fauna.	Birds (small)	2	2	1
1	1	30	700		Birds (large)	2	2	1
1	9	5	700		Mamm. (small)	3	2	2
1	6	30	700		Mamm. (large)	1	1	1
2	2	10	700		Other verts.		2	2
5	6	1	700		Lepidoptera	2		2
					Other insects	3	3	3
					Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Partridge	1600	1			Small copper butterfly Small white .. Large white .. Peacock .. Various: Orthoptera Hymenoptera (<i>Lasius</i> sp.)	
Herring Gull	2560	1				
Small Gull	3610	1				
Skylark	3570	1				
Carion Crow	3681	1				
Coal Tit	3820	1				
Rabbit	4000	1				
Blackbird	4240	1				
Whitethroat	4610	1				
Starling	5180	1				
Linnet	5370	1				
Red Bunting	5740	2				
contd. over			contd. over		contd. over	
Cuckoo	3060	1				
Maggpie	3720	2				
Willow Warbler	4720	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Beattock Summit

Map Ref NTOO.14. Data bank ref

NCC Region South-west Scotland County Strathclyde [Lanarks] Internal ref B191

STATUS

Part of	Adjacent to	NNR	PNNR	LNR	SSSI	
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Visited as long cutting at high altitude.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	<u>Rare</u>	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Rock outcrops with annuals bledges Moorland rough grass
)
Geological)

RAILWAY REGION Scottish DIVISION Glasgow AREA South

Address of Area Civil Engrs Office Mr. J.H. Picken (D.C.E.)
Telephone number

Blythwood House
GLASGOW

Tel. No. 041-332-9811

Name of railway line Carlisle → Glasgow

Access at Lane bridge over at NS999144

Mileage post 48 3/4 → 49

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref.

VISITS

Date	By whom	Assessment/Action
16th May 1980	Dr. C.M. Sargent; J.M. Harris and J.O. Mountford	A good example of varied upland habitats on a large BR site. A small number of more local spp. occur including the neming <u>Draba muralis</u> (also present at R257) and a variety of bryophytes. Much of the surrounding moorland has been planted, thus rendering this protected and quite diverse site rather more valuable than it would otherwise be. * To be noted and a follow up survey made elsewhere in the upland part of this line. Not outstanding and without many noteworthy spp. B.R. here owns a lot of extra land which their management has no effect upon.

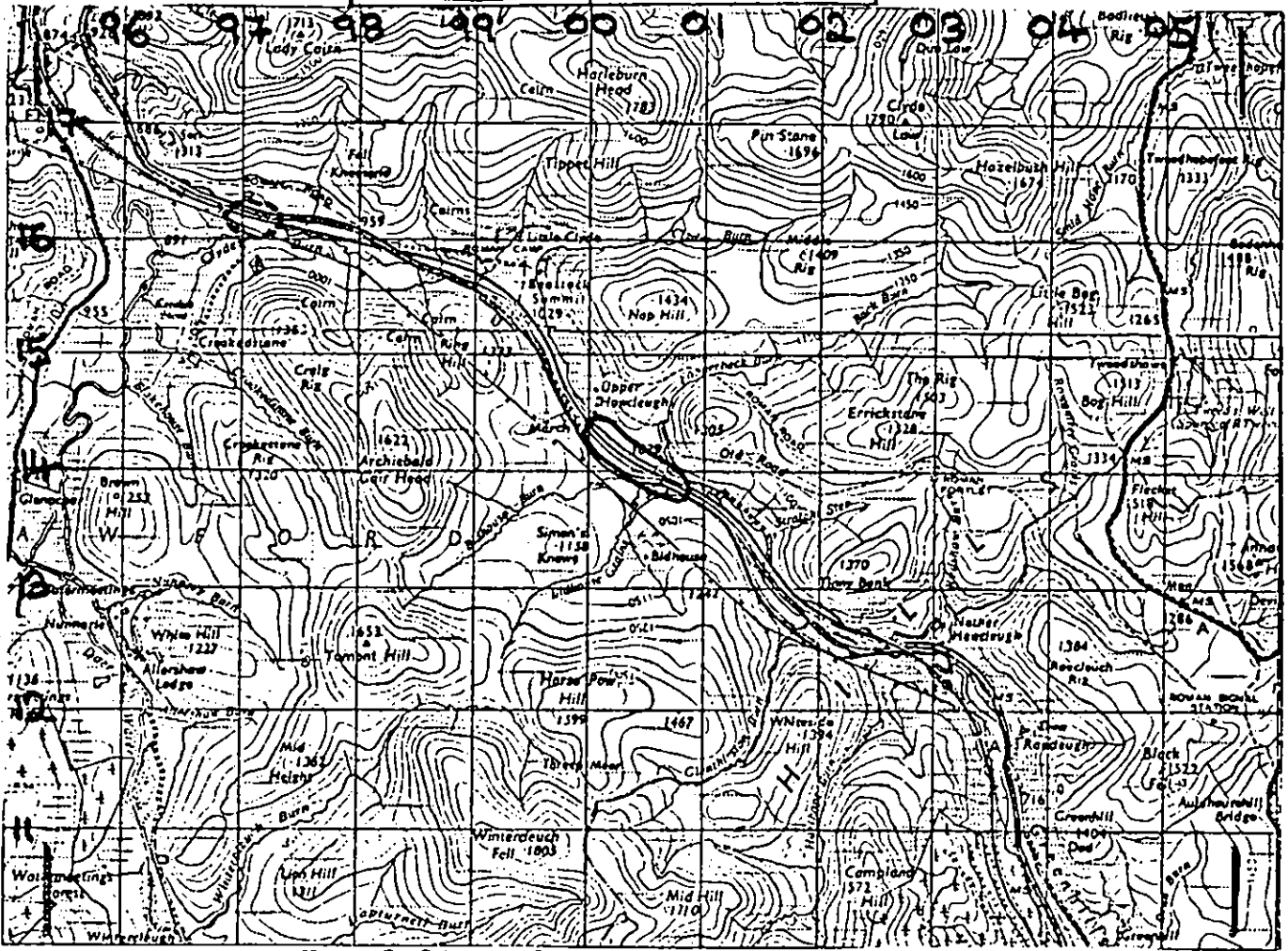
Continue overleaf

FILE OPENED BY ITE Marks Wood

DATE 2nd Dec. 1980

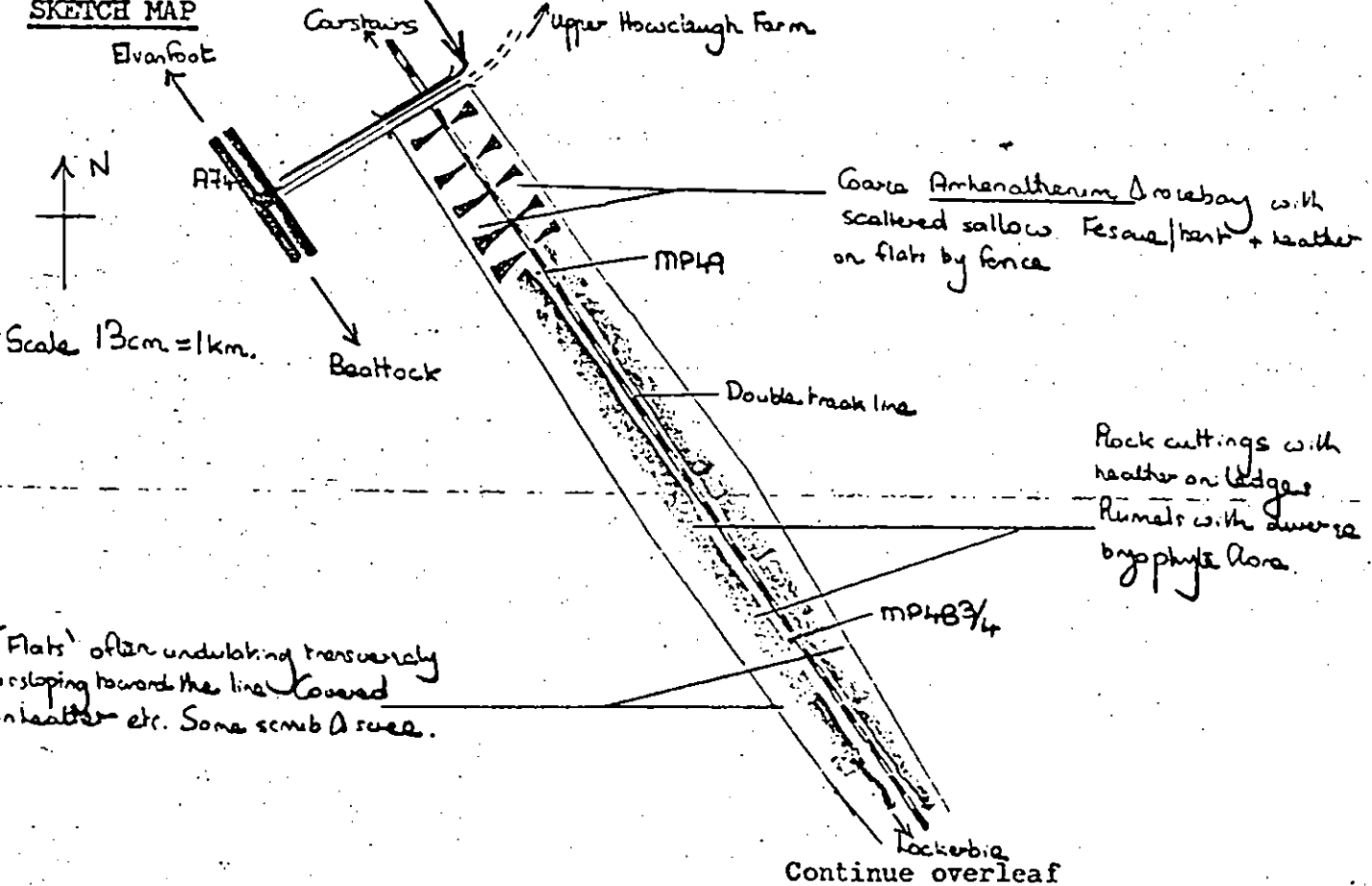
LOCATION STATUS

Accurate	Approximate
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O = B191 **⊞ = A257**

SKETCH MAP



SITE NAME

Beattock Summit

CDB ref

Internal ref B191

Altitude

→ 1000'

Local Geology

Boulder Clay (with alluvium by AP): over Silurian
Wendover to Tamon - greywackes & shales. Ign
Int. band of Felsite cross line in middle.

Neighbouring landuses

Moorland, young conifer plantation & track road.

DIRECTION FROM ACCESS

N E W **S** E W or BOTH

Dist from * access point	0 → 150m	150 → 900m	150 → 900m	150 → 900m	150 → 900m			
Side of track °	Both	SW	SW	NE	NE			
Landform x	C. Cut.	G. Cut.	S. Cut/Flat	G. Cut	Flat.			
Aspect-degrees	55°/235°	55°	55°	235°	gen -			
Width-metres	2 x 25m	15m	→ 25m	15m	→ 20m			
Disturbance †	loc. fire	-	-	-	-			

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

85 vascular plants and nearly 50 bryophytes including *Draba nivalis* on disturbed cinder and *Leptidium latrophyllum*. *Viola canina* occurs on the upper summit rocks and the damp lower rocks flushed with nutrient have an interesting bryophyte flora including upland and calcicole spp. e.g. *Anoetangium*, *Omalia*, *Batrachia* and *Preissia*.

General veg characteristics and habitat description indicate side of track.

The gentler cutting near the AP has a mixture of *Arrhenatherum*, rosebay and raspberry with some sallows. This vegetation occurs particularly on the lower slopes where there is a history of light ballasting & disturbance through fire etc. Much of the flora typical of lowland disturbed sites occurs here. The flats above have frequent grassland with *Dactyloctenium flexuosum*, *Molinia* and *Nardus* plus *Galium saxatile* and locally large patches of heather [column 1]. This kind of vegetation continues onto the undulating 'flats' above the rock cuttings where bilberry, broom and bracken are all locally important. In some places *Juncus* spp. dominate and at the other extreme there are areas of broken exposed states. The main cover however is a single species stand of *Calluna* with patches of *Nardus* & *Vaccinium* or more locally *Eragrostis*. Where there has been disturbance *Dryopteris* & rosebay grow and especially in the SE there are areas of sallow & birch. Broom is notably common on the NE side [columns 3 & 5]. The rock cuttings are mostly bare near the line though ledges have a similar flora to the flats above. Runnels down the cliffs have a rich and diverse bryophyte flora with much *Bryum pseudotriquetrum*, *Pohlia delicatula*, *Batrachia pomiformis* and *Preissia quadrata*. *Stellaria alba* and *Viola palustris* are common and *Cardamine flexuosa* is abundant whenever the rock surface is slightly moist often growing with *Sagina procumbens*, *Leucantherum* and *Epilobium obscurum* grow on the edges of the runnels. [columns 2 & 4].

PREFERRED MANAGEMENT

Little needed though self-seeding conifers should be discouraged in the future.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Accidental burning & ballasting near the AP.

16.5.80 Jpm.

ANIMAL RECORD	REGN. Sc	DIVN. G	AREA S	SITE 8191
SITE NAME Beallock Summit	RECORDER J.M. Harris	WEATHER Sunny and very calm, no cloud cover. No breeze.		LANDFORM ② 3 4 5 6 7 large rock cuttings with undulating flats above them. The NW part has gentler more disturbed slopes
M.P. 48 ³ / ₄ → 49	TIPPING Very local, light & colonised	DATE 16.5.80	TIME 1510 → 1700	
COUNTY Smethleyda [Lanark]	N.L.U. Moorland, main road & young conifer stand			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	10	700	long deep cutting with rock exposures by line except in NW. Rough grassland near AP where culverted stream goes over line. Some runnels down cliffs. Above cliffs undulating heather moor with patches of sallows & birch, as well as some sere areas. A better variety of habitat than is present on much of the surrounding moor though the young conifer plantations are at the moment good bird habitat. This site is likely to increase in relative value.	Birds (small)	2	2	2
1	4	50	700		Birds (large)	2	2	1
1	6	10	loc. 727		Mamm. (small)	3	2	3
3	1	—	700		Mamm. (large)	3	2	2
4	3	25	700		Other verts.	.	3	3
4	8	2	700		Lepidoptera	3	.	2
					Other insects	3	2	2
					Other inverts.	3	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Kestrel	1480	1	Common Lizard	4	Small White butterfly	1
Curlew	2020	1	Brown Trout	1	Necrophilaophagus longicornis	1
Woodpigeon	2990	1			Tulus scandinavicus	1
Swallow	3610	1			Trochosa terricola	1
Meadow Pipit	4930	1			Formica lamari - nests in cases	6
Pied Wagtail	5032	1			Various	
Chaffinch	5550	1			Vespula spp.	
					Diptera	
contd. over			contd. over		contd. over	
Snipe	2210	1	Roe Deer	1		
Tree Pipit	4970	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Burnmouth Coast Map Ref NT96.59 Data bank ref

NCC Region South East Scotland County Borders (Berwick) Internal ref 8194

STATUS
Part of Adjacent to NNR PNNR INR SSSI

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) -

INTEREST
Plants General Local Rare Very rare
Animals Insects Reptiles Birds Mammals

Habitat) describe - Herb- and sp-rich calcicolous turf; coarse, damp and open
tree-poor types also occur. Rock outcrops, heath and
Geological) cinder flats also present.
- Excellent succession of lower Carboniferous rocks.

RAILWAY REGION Scot. DIVISION South-eastern AREA Edinburgh

Address of Area Civil Engrs Office Mr. M.M. Farmer (D.C.E.)
Telephone number Waverley Str.
EDINBURGH
Tel. No. 031 556 2477

Name of railway line King's Cross -> Edinburgh

Access at Low bridge under at NT965596. Mileage post 53 1/4 -> 54

<u>NOTIFICATION</u>	<u>With whom</u>	<u>By whom</u>	<u>Date</u>	<u>Ref.</u>
Site notified to BR				
Management agreement (see section 3 for detail)				

<u>VISITS</u>	<u>Date</u>	<u>By whom</u>	<u>Assessment/Action</u>
	5th June 1980	Dr. C.M. Sargent, Mr. J.M. Hains & Mr. J.O. Mountford	An excellent addition to the area of geological value between the line and the sea. Calcicolous vegetation with this variety of typical species is rare in Scotland, and, for that matter, the Borders area of England. The turf near MP 53 1/4 is especially good but the site of the bank and the length and diversity of the line makes this an outstanding site. * The boundary of the geological SSSI should be extended to include B.R. and the schedule widened to take in biological value. B.R. is probably only concerned by the changes close to the line and some contact over special management would be helpful. An examination of other coastal sites in Berwick & Northumberland is desirable.

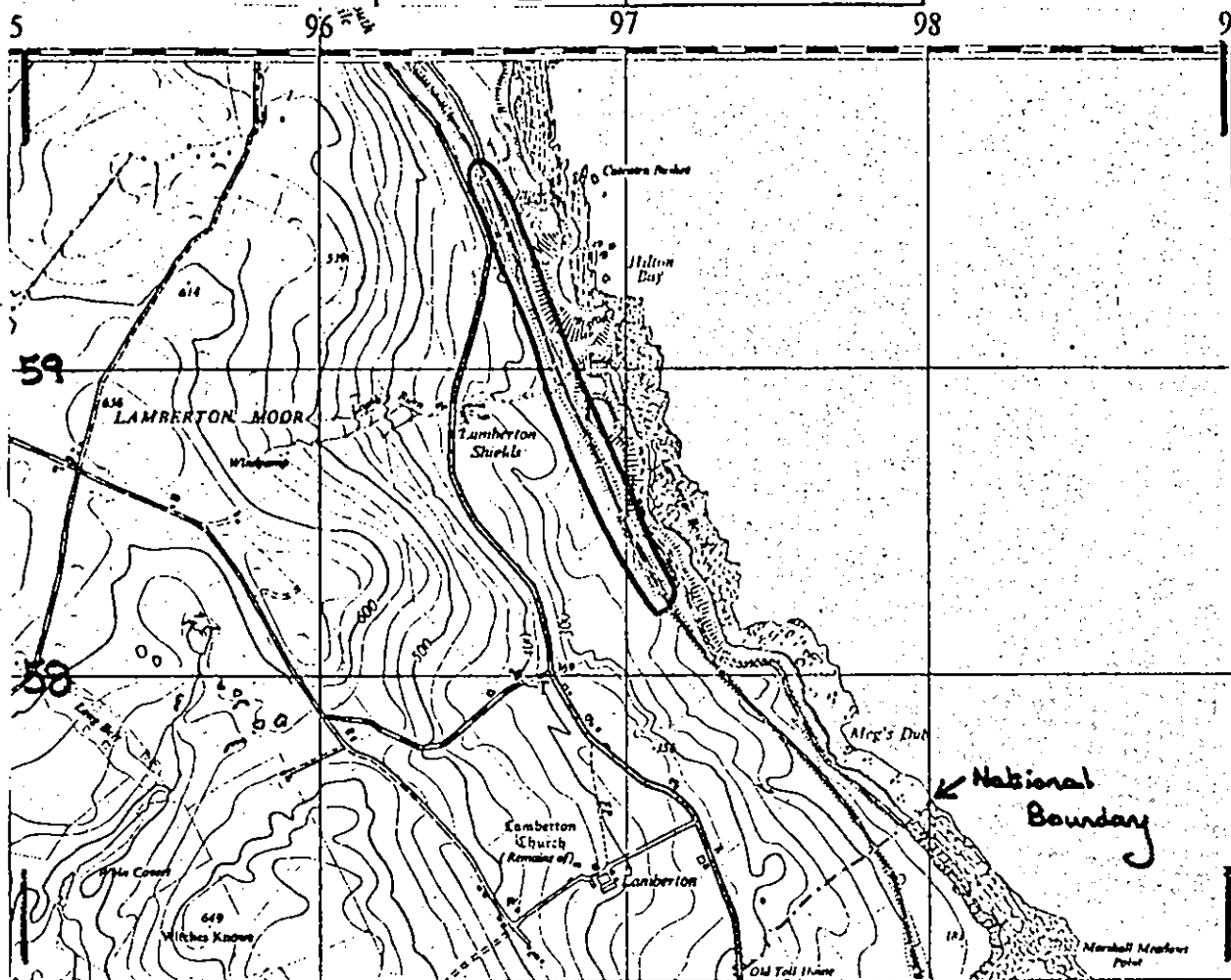
FILE OPENED BY ITE Marks Wood

DATE 8th Sept. 1980

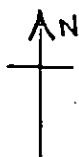
LOCATION STATUS

Accurate

Approximate



SKETCH MAP



Scale: - 11cm = 1 mile

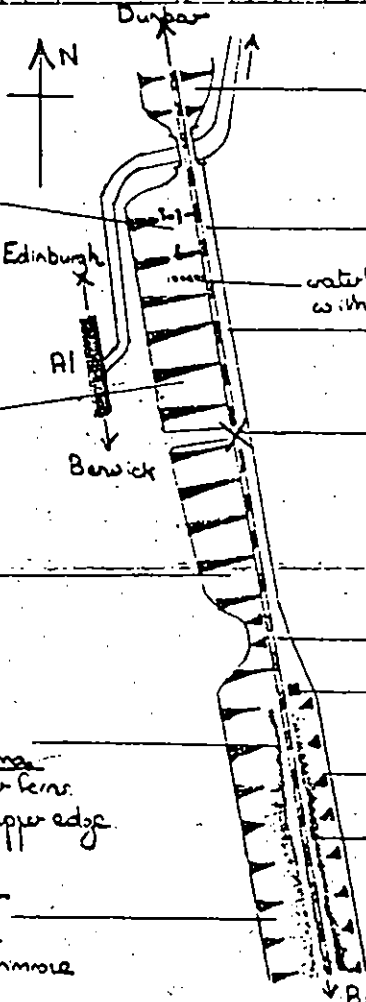
Herb-esp-nich calcicola turf with some rock exposures and damp patches. Coarser D. with some rocks near wall.

Similar to above but with Tanetium. Genina meadowsweet common in coarser calcicola veg.

As above but poorer with much holyweed & Antennaria etc.

Sandstone rock cutting with thr. ft. Silene maritima Grass spp. Asterium & other ferns. Heather common along upper edge.

Antennaria cock-foot grasslands with hogweed. meadowsweet, Genina, primrose Aspilica etc.



Thorn scrub & bracken on large emb.

waterfall by hut with rock faces covered in lichen + tall herbs & florin with aquatic mosses in stream

Narrow ballast floor with open low fine grassy turf. primrose & lotus

MP53 3/4

postlager hut

MP54

General as W. side but with less heather. Grassland above lower but similar with much plantain.

Continue overleaf

Berwick-upon-Tweed

SITE NAME Burnmouth Coast

CDB ref

(Section 3)
Internal ref B194

Altitude 200' → 300'

Local Geology Generally Carboniferous limestone Series - some sandstones among shales, limestones etc.

Neighbouring Landuses Rough lowland grassland & maritime cliffs.

DIRECTION FROM ACCESS

N E W **(S)** E W or BOTH

Dist from * access point	0 → 200m	c.200m	200 → 700m	700 → 900m	900 → 1500m	900 → 1500m	0 → 900m
Side of track °	W	W	W	W	W	E	E
Landform x	S.Cut.	Waterfall	Cut.	Cut.	S.Cut.	S.Cut.	Flat
Aspect-degrees	80°	80°	80°	80°	80°	260°	—
Width-metres	→40m	→15m	→40m	→20m	→30m	→25m	→3m
Disturbance +	—	Flow	—	L.Ball	—	—	S.Ball.

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST Rich and varied calcicole flora with good general list of nearly 150 vascular plants including Visia sylvatica in abundance, Bromus erectus new to the County & v. rare north of Dunbar, similarly Visia hirta. More local calcicoles etc. include Carlina, Dactylis purpurella, Origanum, Hypochaeris hispidum, Saxifraga granulata, Primula veris and its hybrid with primula. Also Pastinaca & Senecio.
General vegn characteristics and habitat description indicate side of track aquatic long stretch of line above cliffs & gullies of coast. The east side has considerable topographical variety but apart from the far south the P.R. boundary is immediately by the line and excludes this. The flat down the east side is a narrow open ballast zone with fine grasses, Thymus, Lotus, Arrhenatherum and Senecio spp. [column 7]. The west side south from the AP is a wide cutting slope with scattered limestone exposures especially near the line where a herb- and species-rich grassland of fescues & Anthoxanthum plus Bromus, Helictotrichon pratense, with abundant Betula, Anthriscus, Pilosella, Leontodon hispidus and Brachypodium sylvaticum. The drier ground has Carex flacca, orchids and primula. A variety of pleurocarpous mosses grow in abundance and Plantago maritima, terreolata is ubiquitous. As the slope flattens out near the boundary well coarser grassland occurs with Origanum, Eupatorium, briar, Silene dioica etc. and much Arrhenatherum & Taraxacum. Patches of Visia sylvatica are common where the two zones meet and Thymus festoons many of the rocks. Cowslip patches are found with Orchis in the southern part and the richest variety of calcicole forbs is in this area. [column 1]. A waterfall goes down the cliff behind the hut at MP 53 1/4. Its edges are covered in Hy. blackthorn & briar plus Gymn. rivale, Allium ursinum, Silene dioica, and Poa trivialis. A mixture of Agrostis stolonifera and aquatic mosses occurs in the water [column 2]. The west side further south has a similar vegetation to column 1 but the lower more eroding calcicoles are missing, and the vegetation is generally coarser with Taraxacum, Gymn. rivale, Brachypodium sylvaticum, meadow wheat and primula all much commoner. Ononis is frequent near MP 53 1/2. There are fewer rocks here. Bromus erectus is found in patches by the line at the foot of the cutting [column 3]. This coarsening of the vegetation and impoverishment of the flora continues down to MP 53 3/4 and the cutting near here is a poor Arrhenatherum / Dactylis stand with abundant hogweed. Saxifraga granulata is well established on cinder by the line here [column 4]. Just south of the dip at MP 53 3/4 the cutting becomes two-sided and markedly calciphilous with good sandstone rock exposures on the lower slopes becoming a continuous cliff near MP 54 P.T.O.

PREFERRED MANAGEMENT

The shallow soils and exposures plus local grazing maintain a short vegetation naturally but some of the coarser areas could be profitably cut and grazed.

EVIDENCE OF MANAGEMENT

Close entries by date and recorder's initials.

None bar ballasting by line.

form 5.6.80

Site Description (contd): -

The west cutting slope has much Erica and Fescue with good areas of Anthonanthum | Agrostis | Fescue plus tormentil, Lathyrus montanus, Hypericum pulchrum, Carex bivaricis and Viola riviniana. The cliffs have thrift, sea campion, Cochlearia and Aira spp. Ferns including Athyrium are common. The gentler slope above the rock face toward the fence have Arrhenatherum & Dactylis grassland with hogweed, meadowsweet, Gaun rivale, primrose, Angelica & Stellaria holostea. Silene dioica is locally dominant. There are good populations of Vicia sylvatica on this slope too. [column 5]. The east side is similar but has steeper rockier slopes with little or no heather and more Vicia sylvatica and meritima. The gentler slope above the cliff has a lower grassland with hogweed, Taxerium, Anthonanthum and Arrhenatherum plus Stellaria holostea, Poa and occasional Helictotrichon pratense. Gone replaces heather to some extent. The rock here is less stable than the limestone to the north. There is a flat by the fence and plantain is generally abundant on both sides [column 6].

form 5.6.80

ANIMAL RECORD	REGN. Sc	DIVN. SE	AREA ED	SITE B194	
SITE NAME Burnmouth Coast	RECORDER J.M. Harris	WEATHER 80% cloud cover, dull & quite warm with a slight seabreeze. Turning to rain at end of visit		LANDFORM ① ② ③ 4 5 6 7 Mainly large cutting slopes on landward side, very locally embankment where a dip in the hills. Some cutting on seaward side but generally a narrow flat.	
N.P. 53 → 54	TIPPING locally heavy & colonized on flat eastern side	DATE 5.6.80		TIME 1340 → 1630	
COUNTY Border Region Berwickshire District	N.L.U. Coastal cliffs, rough grassland & A1 road				

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	20	700	Large mixed grassland cuttings with some rock exposures and a outfall. Near south end cutting in more acid rock & slopes on both sides. North by MP 53 large embankment with thorn scrub. Provides excellent diversity of food plants for insects and coastal scrub as cover for smaller birds in exposed area. Large enough to support viable populations but not exceptional in local context. The coastal spp. are accidental and the soil invertebrates follow sampling at MP 53.	Birds (small)	3	3	4
1	1	20	700		Birds (large)	2	2	2
1	6	45	700		Mamm. (small)	3	3	3
3	0	1	700		Mamm. (large)	1	1	1
4	3	10	700		Other verts.	-	2	2
5	8				Lepidoptera	2	-	2
4	8	5	703		Other insects	3	3	3
					Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Whitethroat	4610	1	Rabbit	3	Painted lady	1
Linnet	5370	2			Pyralid moths	2
Swallow	3610	2			Cerae namoralis	1
Herring Gull	2560	2			Onychilis draperaudi	1
Swift	3270	1			Armadillium vulgare	3
Meadow Pipit	4930	1			Lithobius calcaratus	1
House Martin	3640	1			Lithobius variegatus	1
Yellowhammer	5580	1			Schizophyllum sabulosum	1
Blackbird	4240	1			Glomeris marginata	1
Carion Crow (nesting)	3681	2			Trochosa ferricola	1
Starling	5180	1			Textrix denticulata	1
Sedge Warbler	4500	1			Lasius flavus	3
					Ichnaeumon sp. (sarcitorus?)	1

contd. over

contd. over

contd. over

Fulmar	0160	2				
Skylark	3570	1				
Commie Terns	2570/60	3				
Great Black-backed Gull	2580	1				
Wren	3980	1				

contd. over

contd. over

contd. over

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Carstairs Kames

Map Ref NS97.47. Data bank ref

NCC Region South-west Scotland County Strathclyde (Lanarks) Internal ref B196

STATUS

Part of	Adjacent to	NNR	PNNR	LNR	SSSI	geological
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) -

INTEREST

Plants	General	Local	Rare	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Birch and willow scrub, damp Ady calcifuge grassland, plus
) ditches and enriched old station area.
Geological) - Neighbouring area is one of best series of eskers in the U.K.
) valuable for study of late glacial chronology.

RAILWAY REGION Scotland DIVISION Glasgow AREA South

Address of Area Civil Engrs Office Mr. J.H. Picken (O.C.E.)
Telephone number Blythswood House
 GLASGOW
 Tel. No. 041 332 9811

Name of railway line Edinburgh → Carstairs Junction

Access at Old Carnock Str. at NS970469 Mileage post 75 1/4 → 76

NOTIFICATION

Site notified to BR

Management agreement
 (see section 3 for detail)

With whom	By whom	Date	Ref.

VISITS

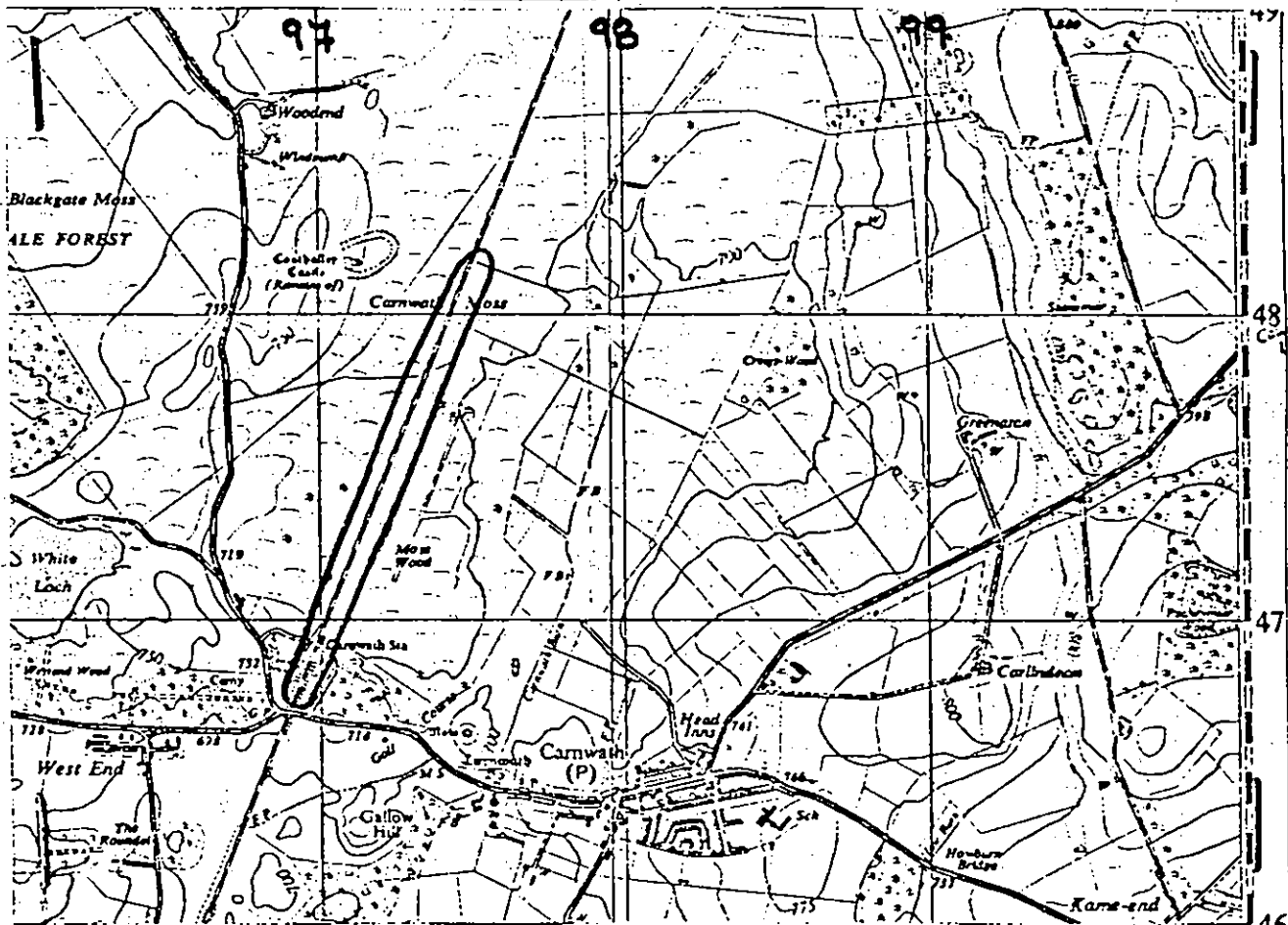
Date	By whom	Assessment/Action
7th June 1980	Dr. C.M. Sargent, J.M. Hants and J.O. Mountford.	The countryside here is rather bleak and open moor and moorland. The railway provides the only area of good cover with a strip of scrubby pine right through the moor and providing also better drained richer grassland by the line. The old station area has a good variety of rich grassland types with a number of local species and some interesting alders. Broader slopes near the A70 bridge have protected heather moor and woodlands. * Useful diversification of habitat with a number of spp. otherwise local in the region. Evidently the area of value continues NW. to Cobbitshaw, though patchily. B.R. should be encouraged to conserve the strip of scrub and some useful work could be undertaken at other old stations. Continue overle...

FILE OPENED BY ITE Marks Wood

DATE 12th Sept. 1980

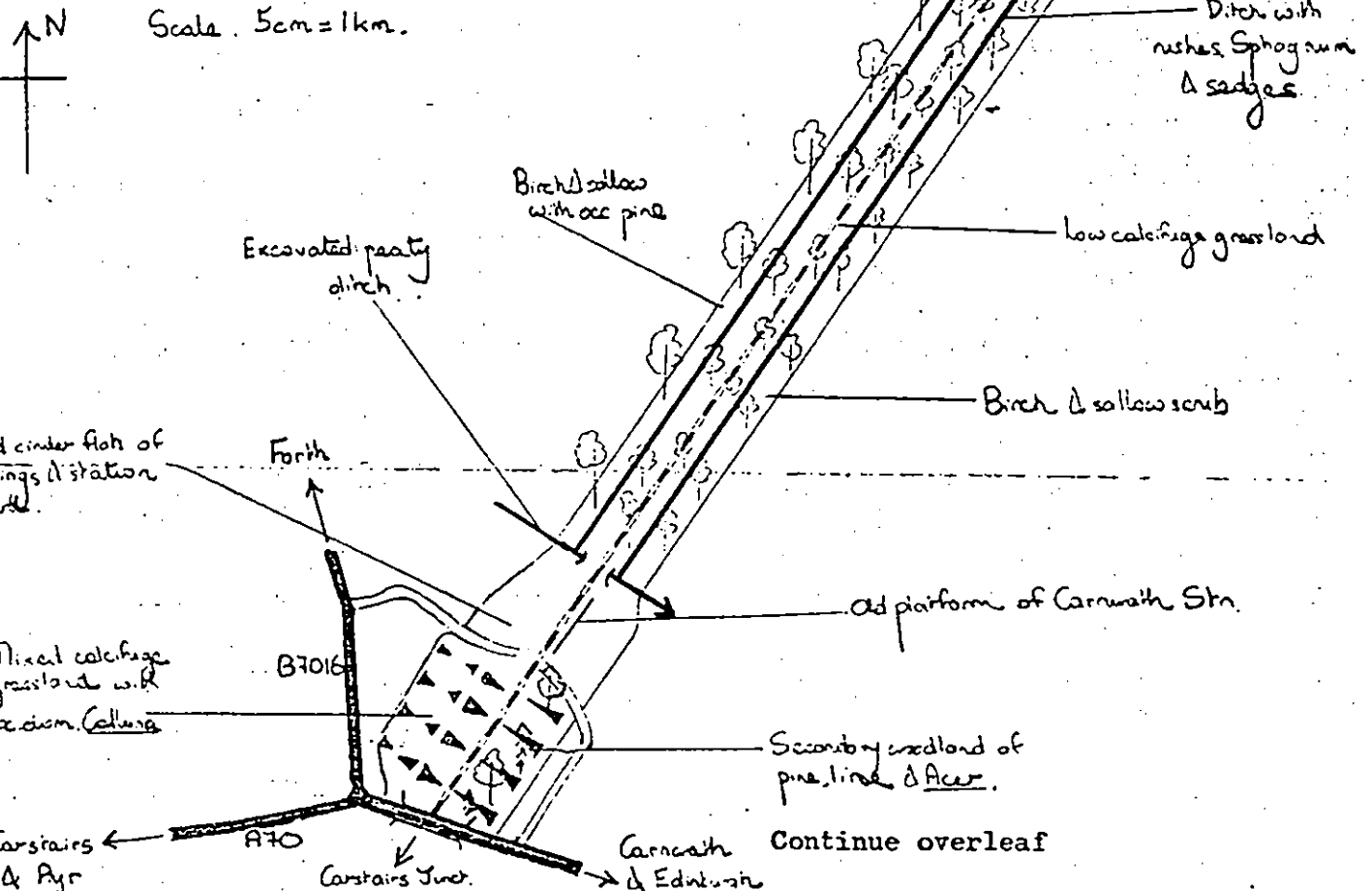
LOCATION STATUS

Accurate	Approximate
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SKETCH MAP

Scale. 5cm = 1km.



SITE NAME Carstairs Kames

CDB ref

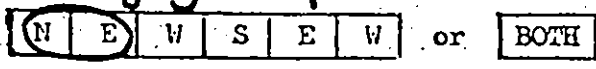
Internal ref

Altitude 720'

Local Geology Glacial Sand & Gravel over Carboniferous Calciferous Sandstone. Moar was in SW.; otherwise part on microporphyratic basalt of same period (Dalmery).

Neighbouring landuses Moorland, young conifer plantation & mixed wood. Salt depot & road

DIRECTION FROM ACCESS



Dist from * access point	0 → 200m	200 → 300m	300 → 1500m	300 → 1500m				
Side of track °	both	both	SE	NW				
Landform x	Cut/Flat	gn. Flat	Flats & Ditches					
Aspect-degrees	305/125°	—	—	—				
Width-metres	→40m	2x→30m	c.12m	c.12m				
Disturbance +	—	S. Tipp.	—	—				

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST 126 spp with Ryas, Pastinaca & Lilium as very rare absent in Scotland
Salix pentandra, S. phylicifolia, Symphytum tuberosum, Adiantum sp. purpurella are local natives

General vegn characteristics and habitat description indicate side of track

The cutting by the AP is irregular especially on the NW side where the initial slope of 15m. dips into a gully and then rises to the fence. The cover is mixed calcifuge grassland of Agrostis, Festuca & Deschampsia flexuosa with heather in patches. The SE side also was grassy but is gradually becoming encroached by pine, lime and sycamore [column 1]. By the salt depot are old platforms and cinder flat covered in low herb-Asplenium-rich calcifuge turf of Festuca, Poa, Agrostis, Holcus and Pilosella with Trifolium spp., Lolium etc and a little low sallow and birch. In the less open parts Anthoxanthum dominates especially near the old access lane on the SE. A peaty ditch goes under the line and has Montia, Stellaria alba etc. on newly excavated slopes. [column 2]. The bulk of the site north from here has sallow/birch scrub between the fence and the ditch and coarser calcifuge grassland between the ditch and the line. The SE side has a grassland of Holcus mollis & Festuca rubra with occasional F. ovina, plus Deschampsia flexuosa and Anthoxanthum. Lathyrus pratensis is locally co-dominant. The ditch has rushes, Sphagnum and sedges in it, notably abundant Carex rostrata. The scrub zone has occasional patches of Calluna underneath and some moor grassland, often rather damp. In many cases the scrub has crossed the ditch and comes up to the line particularly in one area where Salix pentandra is common. Where the line is raised on a slight embankment Anthoxanthum and meadowsweet cover the coarser slopes. The cinder margin has abundant Equisetum palustre and on the edge of the grassland Peltigera canina. [column 3]. The NW side is basically the same but rather more open with pine colonisation from the adjacent conifer plantation. Equisetum sylvaticum is notably abundant in & out of shade & also on the cress on this side. An established clump of Lilium by AP 75 1/4. [column 4].

PREFERRED MANAGEMENT

Some grazing or cutting of grassy area. Otherwise none.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Some old cut stumps - no recent management

John 7.6.80.

Additional Species
NAME
CODE

001	Acas	mult	0874	stir	185	rufc	269	oimu	361	myar	460	Picu	scum	546	681	Adel	deci	790	Leio	baed	883	lav
002	Acro	cold	0891	stir	186	sch	272	rufu	362	stir	461	subu	scub	547	683	Anas	orca	791	Leio	bant	884	plan
003	Atro	cold	0901	stir	187	scub	273	taxi	363	stir	462	Picu	scub	548	684	Anas	doni	794	Leio	mucl	885	plat
004	Atro	cold	0902	stir	188	scub	274	stir	364	stir	463	Picu	scub	549	686	Anth	jula	796	Leio	carb	886	tblu
005	Atro	cold	0903	stir	189	scub	275	stir	365	stir	464	Picu	scub	550	688	Anth	jula	797	Leio	cavi	887	tblu
006	Atro	cold	0904	stir	190	stir	276	stir	366	stir	465	Picu	scub	551	689	Anth	jula	801	Leio	ama	888	tblu
007	Atro	cold	0905	stir	191	stir	277	stir	367	stir	466	Picu	scub	552	690	Anth	jula	802	Leio	ama	889	tblu
008	Atro	cold	0906	stir	192	stir	278	stir	368	stir	467	Picu	scub	553	691	Alph	micr	803	Leio	ama	890	tblu
009	Atro	cold	0907	stir	193	stir	279	stir	369	stir	468	Picu	scub	554	692	Barb	stir	804	Leio	ama	891	tblu
010	Atro	cold	0908	stir	194	stir	280	stir	370	stir	469	Picu	scub	555	693	Barb	stir	805	Leio	ama	892	tblu
011	Atro	cold	0909	stir	195	stir	281	stir	371	stir	470	Picu	scub	556	694	Barb	stir	806	Leio	ama	893	tblu
012	Atro	cold	0910	stir	196	stir	282	stir	372	stir	471	Picu	scub	557	695	Barb	stir	807	Leio	ama	894	tblu
013	Atro	cold	0911	stir	197	stir	283	stir	373	stir	472	Picu	scub	558	696	Barb	stir	808	Leio	ama	895	tblu
014	Atro	cold	0912	stir	198	stir	284	stir	374	stir	473	Picu	scub	559	697	Barb	stir	809	Leio	ama	896	tblu
015	Atro	cold	0913	stir	199	stir	285	stir	375	stir	474	Picu	scub	560	698	Barb	stir	810	Leio	ama	897	tblu
016	Atro	cold	0914	stir	200	stir	286	stir	376	stir	475	Picu	scub	561	699	Barb	stir	811	Leio	ama	898	tblu
017	Atro	cold	0915	stir	201	stir	287	stir	377	stir	476	Picu	scub	562	700	Barb	stir	812	Leio	ama	899	tblu
018	Atro	cold	0916	stir	202	stir	288	stir	378	stir	477	Picu	scub	563	701	Barb	stir	813	Leio	ama	900	tblu
019	Atro	cold	0917	stir	203	stir	289	stir	379	stir	478	Picu	scub	564	702	Barb	stir	814	Leio	ama	901	tblu
020	Atro	cold	0918	stir	204	stir	290	stir	380	stir	479	Picu	scub	565	703	Barb	stir	815	Leio	ama	902	tblu
021	Atro	cold	0919	stir	205	stir	291	stir	381	stir	480	Picu	scub	566	704	Barb	stir	816	Leio	ama	903	tblu
022	Atro	cold	0920	stir	206	stir	292	stir	382	stir	481	Picu	scub	567	705	Barb	stir	817	Leio	ama	904	tblu
023	Atro	cold	0921	stir	207	stir	293	stir	383	stir	482	Picu	scub	568	706	Barb	stir	818	Leio	ama	905	tblu
024	Atro	cold	0922	stir	208	stir	294	stir	384	stir	483	Picu	scub	569	707	Barb	stir	819	Leio	ama	906	tblu
025	Atro	cold	0923	stir	209	stir	295	stir	385	stir	484	Picu	scub	570	708	Barb	stir	820	Leio	ama	907	tblu
026	Atro	cold	0924	stir	210	stir	296	stir	386	stir	485	Picu	scub	571	709	Barb	stir	821	Leio	ama	908	tblu
027	Atro	cold	0925	stir	211	stir	297	stir	387	stir	486	Picu	scub	572	710	Barb	stir	822	Leio	ama	909	tblu
028	Atro	cold	0926	stir	212	stir	298	stir	388	stir	487	Picu	scub	573	711	Barb	stir	823	Leio	ama	910	tblu
029	Atro	cold	0927	stir	213	stir	299	stir	389	stir	488	Picu	scub	574	712	Barb	stir	824	Leio	ama	911	tblu
030	Atro	cold	0928	stir	214	stir	300	stir	390	stir	489	Picu	scub	575	713	Barb	stir	825	Leio	ama	912	tblu
031	Atro	cold	0929	stir	215	stir	301	stir	391	stir	490	Picu	scub	576	714	Barb	stir	826	Leio	ama	913	tblu
032	Atro	cold	0930	stir	216	stir	302	stir	392	stir	491	Picu	scub	577	715	Barb	stir	827	Leio	ama	914	tblu
033	Atro	cold	0931	stir	217	stir	303	stir	393	stir	492	Picu	scub	578	716	Barb	stir	828	Leio	ama	915	tblu
034	Atro	cold	0932	stir	218	stir	304	stir	394	stir	493	Picu	scub	579	717	Barb	stir	829	Leio	ama	916	tblu
035	Atro	cold	0933	stir	219	stir	305	stir	395	stir	494	Picu	scub	580	718	Barb	stir	830	Leio	ama	917	tblu
036	Atro	cold	0934	stir	220	stir	306	stir	396	stir	495	Picu	scub	581	719	Barb	stir	831	Leio	ama	918	tblu
037	Atro	cold	0935	stir	221	stir	307	stir	397	stir	496	Picu	scub	582	720	Barb	stir	832	Leio	ama	919	tblu
038	Atro	cold	0936	stir	222	stir	308	stir	398	stir	497	Picu	scub	583	721	Barb	stir	833	Leio	ama	920	tblu
039	Atro	cold	0937	stir	223	stir	309	stir	399	stir	498	Picu	scub	584	722	Barb	stir	834	Leio	ama	921	tblu
040	Atro	cold	0938	stir	224	stir	310	stir	400	stir	499	Picu	scub	585	723	Barb	stir	835	Leio	ama	922	tblu
041	Atro	cold	0939	stir	225	stir	311	stir	401	stir	500	Picu	scub	586	724	Barb	stir	836	Leio	ama	923	tblu
042	Atro	cold	0940	stir	226	stir	312	stir	402	stir	501	Picu	scub	587	725	Barb	stir	837	Leio	ama	924	tblu
043	Atro	cold	0941	stir	227	stir	313	stir	403	stir	502	Picu	scub	588	726	Barb	stir	838	Leio	ama	925	tblu
044	Atro	cold	0942	stir	228	stir	314	stir	404	stir	503	Picu	scub	589	727	Barb	stir	839	Leio	ama	926	tblu
045	Atro	cold	0943	stir	229	stir	315	stir	405	stir	504	Picu	scub	590	728	Barb	stir	840	Leio	ama	927	tblu
046	Atro	cold	0944	stir	230	stir	316	stir	406	stir	505	Picu	scub	591	729	Barb	stir	841	Leio	ama	928	tblu
047	Atro	cold	0945	stir	231	stir	317	stir	407	stir	506	Picu	scub	592	730	Barb	stir	842	Leio	ama	929	tblu
048	Atro	cold	0946	stir	232	stir	318	stir	408	stir	507	Picu	scub	593	731	Barb	stir	843	Leio	ama	930	tblu
049	Atro	cold	0947	stir	233	stir	319	stir	409	stir	508	Picu	scub	594	732	Barb	stir	844	Leio	ama	931	tblu
050	Atro	cold	0948	stir	234	stir	320	stir	410	stir	509	Picu	scub	595	733	Barb	stir	845	Leio	ama	932	tblu
051	Atro	cold	0949	stir	235	stir	321	stir	411	stir	510	Picu	scub	596	734	Barb	stir	846	Leio	ama	933	tblu
052	Atro	cold	0950	stir	236	stir	322	stir	412	stir	511	Picu	scub	597	735	Barb	stir	847	Leio	ama	934	tblu
053	Atro	cold	0951	stir	237	stir	323	stir	413	stir	512	Picu	scub	598	736	Barb	stir	848	Leio	ama	935	tblu
054	Atro	cold	0952	stir	238	stir	324	stir	414	stir	513	Picu	scub	599	737	Barb	stir	849	Leio	ama	936	tblu
055	Atro	cold	0953	stir	239	stir	325	stir	415	stir	514	Picu	scub	600	738	Barb	stir	850	Leio	ama	937	tblu
056	Atro	cold	0954	stir	240	stir	326	stir	416	stir	515	Picu	scub	601	739	Barb	stir	851	Leio	ama	938	tblu
057	Atro	cold	0955	stir	241	stir	327	stir	417	stir	516	Picu	scub	602	740	Barb	stir	852	Leio	ama	939	tblu
058	Atro	cold	0956	stir	242	stir	328	stir	418	stir	517	Picu	scub	603	741	Barb	stir	853	Leio	ama	940	tblu
059	Atro	cold	0957	stir	243	stir	329	stir	419	stir	518	Picu	scub	604	742	Barb	stir	854	Leio	ama	941	tblu
060	Atro	cold	0958	stir	244	stir	330	stir	420	stir	519	Picu	scub	605	743	Barb	stir	855	Leio	ama	942	tblu
061	Atro	cold	0959	stir	245	stir	331	stir	421	stir	520	Picu	scub	606	744	Barb	stir	856	Leio	ama	943	tblu
062	Atro	cold	0960	stir	246	stir	332	stir	422	stir	521	Picu	scub	607	745	Barb	stir	857	Leio	ama	944	tblu
063	Atro	cold	0961	stir	247	stir	333	stir	423	stir	522	Picu	scub	608	746	Barb	stir	858	Leio	ama	945	tblu
064	Atro	cold	0962	stir	248	stir	334	stir	424	stir	523	Picu	scub	609	747	Barb	stir	859	Leio	ama	946	tblu
065	Atro	cold	0963	stir	249	stir	335	stir	425	stir	524	Picu	scub	610	748	Barb	stir	860	Leio	ama	947	tblu
066	Atro	cold	0964	stir	250	stir	336	stir	426	stir	525	Picu	scub	611	749	Barb	stir	861	Leio	ama	948	tblu
067	Atro	cold	0965	stir	251	stir	337	stir	427	stir	526	Picu	scub	612	750	Barb	stir	862	Leio	ama	949	tblu
068	Atro	cold	0966	stir	252	stir	338	stir	428	stir	527	Picu	scub	613	751	Barb	stir	863	Leio	ama	950	tblu

ANIMAL RECORD	REGN. Sc	DIVN. g	AREA S	SITE B196	
SITE NAME Carstairs Kames	RECORDER J.M. Harris	WEATHER 90% cloud cover, cool with a slight to moderate breeze. At 1630 heavy rain turning to hail.		LANDFORM ① ② 3 ④ 5 6 7 Mainly a flat with ditches near the fences. Wide irregular cutting S. of station.	
M.P. 75 1/4 → 76	TIPPING locally heavy (station) but colonized.	DATE 7.6.80	TIME 1530 → 1700		
COUNTY Strathclyde [Banackshire]	N.L.U. Moorland, conifer plantation. A salt depot				

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	55	726	Mainly a narrow strip of birch & sallow scrub birch & ditch with associated wet heath and heather moor. The line edge has mixed coarse grassland. The old station has the remains of platforms, terraces and circular pits supported a diverse flora. Large expanses of heather moor & young mixed woodland grow on the broad Avenue cutting slopes near the A70 bridge. Provides excellent cover & feeding for birds in a black area of moor, the good plant life and diverse vegetation structure promises a rich invertebrate fauna.	Birds (small)	2	3	3
1	6	20	700		Birds (large)	1	1	2
1	4	10	700		Mamm. (small)	2	2	2
2	1	5	700		Mamm. (large)	2	2	2
3	2	5	700		Other verts.	3	2	2
6	9	5	703		Lepidoptera	3	-	3
					Other insects	3	3	3
				Other inverts.	3	3	3	

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Willow Warbler	4720	2	Frog	1	Red Admiral Crombid moths	1 2
Chaffinch	5550	1				
Yellowhammer	5580	1				
Meadow Pipit	4930	1				
Tree Pipit	4970	2				
Lesser Black-backed Gull	2570	1				
Redpoll	5390	1				
Cuckoo	2020	1				
Woodpigeon	2990	1				
Oystercatcher	1820	1				
Robin	4000	1				
Great Tit	3790	1				
contd. over						
Blackbird	4240	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Skokie Burn Map Ref NS98.61. Data bank ref
NCC Region South-east Scotland County Lothian [W. Lothian] Internal ref R277/3198

STATUS Part of Adjacent to NNR PNNR LNR SSSI Geological

County Flora site. State ref -
Local Information site. State source -
Discovery etc. (Describe) - Random Survey Site also

INTEREST Plants General Local Rare Very rare
Animals Insects Reptiles Birds Mammals

Habitat) describe - Coarse grassland, cinder sere, calcifuge turf, scattered
snub, tall herb vegetation
Geological) - Lower Limestone Group beds (Carboniferous) including the
Hosie limestone intruded by an olivine basalt & perite sill.

RAILWAY REGION Scottish DIVISION South-eastern AREA Edinburgh

Address of Area Civil Engrs Office Mr. M.M. Farmer (D.C.E.)
Telephone number

Waverley Str
EDINBURGH.

Tel. No. 031-556.2477

Name of railway line Edinburgh -> Glasgow (via Shotts)

Access at Farm lane bridge under at NS984618 Mileage post 15 3/4 -> 16

NOTIFICATION

Site notified to BR
Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref

VISITS

Date	By whom	Assessment/Action
11th June 1980	Dr. C.M. Sargent, J.M. Harris & J.O. Mountford.	A very varied bryophyte flora on cinder, possibly slog derived from local mines. The vascular plants include a rare <u>Pteris</u> sp. A good diversity of calcifuge grassland & damp ground spp. The bird list is about average also. Generally therefore a better site than most in the region between Glasgow & Edinburgh. The geological value is probably all off B.R. * Note and possibly visit the line further west where the BR boundary diverges widely from the line to include old junction areas of branches from Woodmuir & Stoneburn.

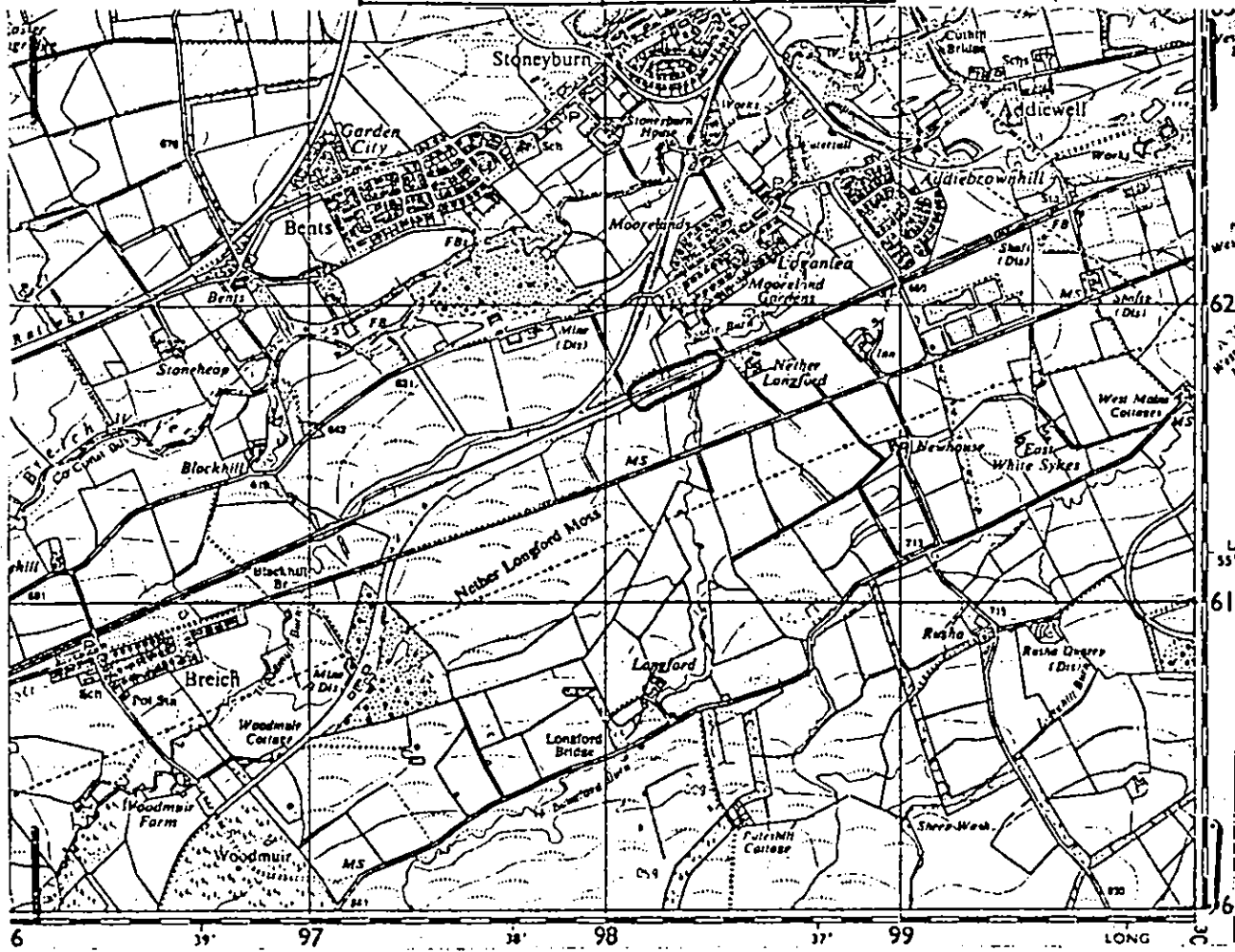
Continue over 1

FILE OPENED BY NTE Monks Wood

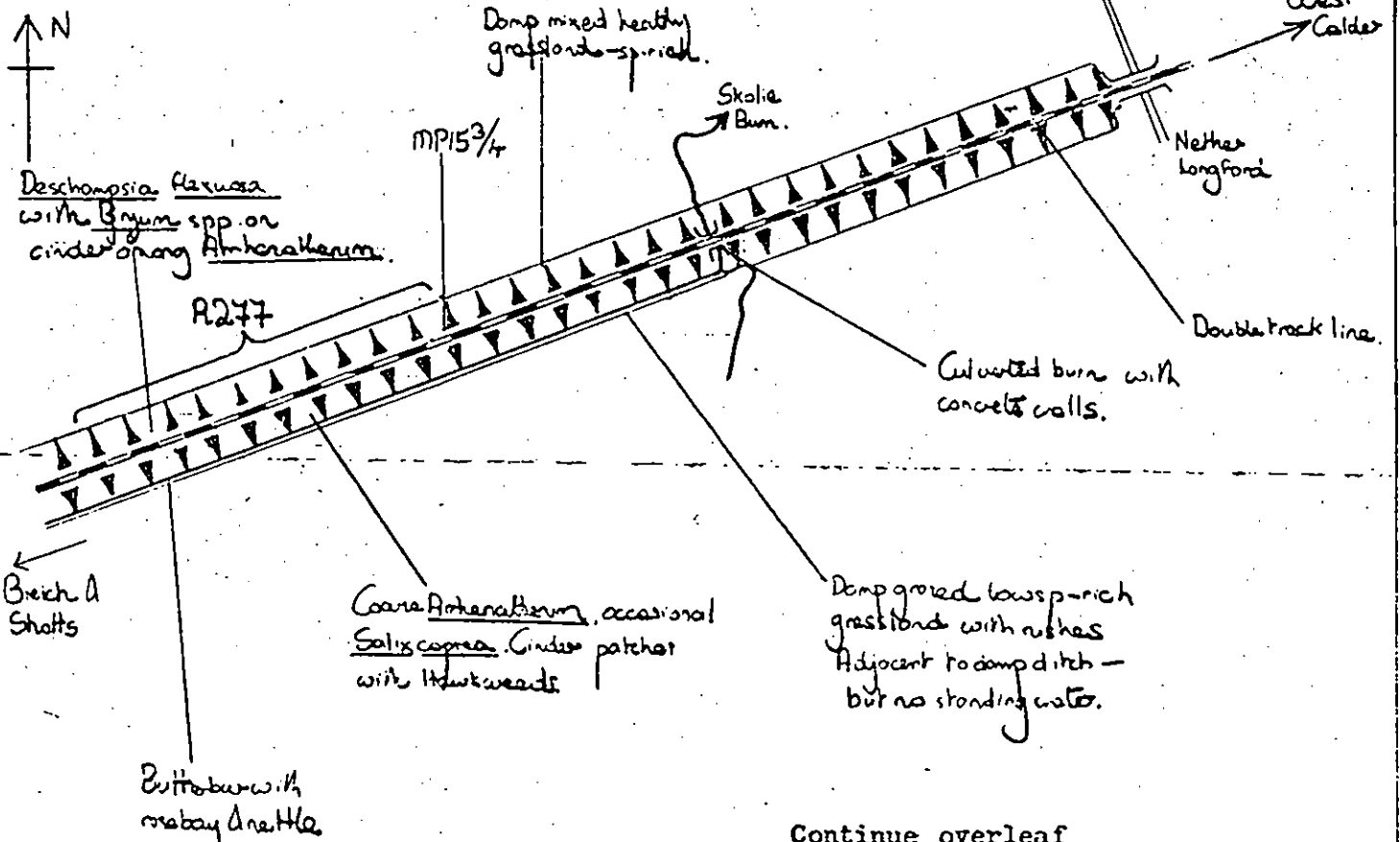
DATE 11th Dec 1980

LOCATION STATUS

Accurate	Approximate
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SKETCH MAP Scale 50cm = 1km.



Continue overleaf

SITE NAME Skolie Burn

CDB ref

(Section 3)
Internal ref R277/B19

Altitude 660'

Local Geology Boulder Clay over Carboniferous (Carb. lime.) - Limestone Coal Group.

Neighbouring landuses Arable agriculture & rough bogland grassland

DIRECTION FROM ACCESS

N E (W) S E W or BOTH

Dist from * access point	150 → 300m.	0 → 250m.	②250 → 300m.	150 → 300m.	150 → 300m.	125m.		
Side of track °	S	S	S	N	N.	both		
Landform x	Emb.	Emb/Ditch	Emb/Ditch	Emb.	C.Emb.	Burn		
Aspect-degrees	160°	160°	160°	340°	340°	—		
Width-metres	10m.	2m.	→6m.	9m.	2m.	→5m.		
Disturbance +	Fire.	Grass	—	M.Cind.	Grass.	Flow.		

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Large population of the characteristic alga *Pilosella caespitosa* ssp. *collini* found, spreading in Scotland but still uncommon. Good mass here in the ditch and damp depressions on the N. side > 20 spp/4m².

General vegn characteristics and habitat description indicate side of track

The south side of the embankment near the burn is generally coarse Arrhenatherum grassland with occasional bushes of *Salix caprea* with *Vicia cracca* as a common plant. Especially within the Random Site there are extensive patches of cinder & fine slag colonized by *Pilosella* spp, *Hieracium* spp, *Rumex acetosa* with occasional dandelion and horsetail. Some of the cinder has been secondarily exposed by fire, and here rosette is common with witch. *Acrocarpon* mosses are locally abundant particularly *Calobolus*, *Polytrichum juniperinum* and *Bryum capillare* [column 1]. The slope bottom, flat & ditch by the fence are continuously vegetated. In the east damp grassland of *Deschampsia caespitosa* old rushes occur with *Achillea ptarmica*, *Galium palustre* and *Cardamine pratensis* [column 2]. Further west buttercup becomes dominant with occasional nettle & rosette in a mixed tall herb community. Hoopoe is common. Unlike the 20' to 40' tall value for mosses on the cinder here bryophytes are mainly pleurocarpous and v. sparse [column 3]. The north side has a mosaic of coarse grassland & thicket. The grassland is fescue, *Arrhenatherum* & *Doehlia* with some rosette. Patches of couch occur with hoopoe along the rosette. The cinder is largely dominated with *Bryum capillare* and subciliate *Deschampsia flexuosa*, but *Mnium* is locally abundant and some areas have considerable *Pilosella*, *Linaria*, *Hieracium* and other *Acrocarpon* mosses. The cinder becomes especially extensive in the west. In the east more scrub occurs including beech, birch and alder over *Equisetum sylvaticum* [column 4]. The lower slopes and the flat by the fence are generally *Holcus mollis* fescue bent grassland, grass and other grasses rich. Some damp areas occur with *Bryum* spp. *Alopecurus* spp. In some parts the surface is uneven due to old ballast dumping and the sheltered damp hollows here produced have a very rich Bryophyte flora. *Lolium* & *Carex flacca* occur & a number of birch & sallow bushes [column 5]. The burn itself is culverted under about 80m. E. of T1/4 of R277. It has little effect on the vegetation other than to introduce concrete surfaces, some wet, for Bryophyte colonisation. No geological exposures within B.P. [column 6].

PREFERRED MANAGEMENT

Continued grazing & burning.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Extensive fire especially on S. side. Grazing along fire edges. Much cinder dumping which is both recent & old, the latter re-exposed by fire.

11.6.80 Jom

Continue overleaf

Additional Species	CODE	NAME
<i>Barbula</i> sp.		
<i>Bryum</i> spp.		
<i>Cephalozella</i> sp.		
883	Leio	bacc
884	plan	plac
885	plut	plac
886	lavy	plac
887	Prof	quid
888	Prof	quid
889	Prof	quid
890	Radu	quid
891	Radu	quid
892	Radu	quid
893	Radu	quid
894	Radu	quid
895	Radu	quid
896	Radu	quid
897	Radu	quid
898	Radu	quid
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959	Radu	quid
960	Radu	quid

Sc	SE	ED	R27748198
SITE NAME Skolie Burn	RECORDER J.M. Harris	WEATHER 100% cloud cover. Cool with a slight breeze.	LANDFORM ① 2 ③ ④ 5 6 7 Embankment with narrow flats below, ditches on the S. side & burn culverted under.
N.P. 15 ³ / ₄ → 16	TIPPING locally heavy & uncoloured - generally cinder	DATE 11.6.80	TIME 1140 → 1350
COUNTY Gothian [W. Lothian]	N.L.U. Rough grassland to N. Cereals to S.		

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	25	700	Embankment covered in coarse grassland locally burnt. Areas of open cinder-coloured by <u>Bryum</u> & <u>hawkweeds</u> . Scattered bushes, occasional scrub patches. Ditch with associated marshy tall herb vegetation on S. side. Some healthy turf on the N. side. The burn flows underneath the line in the E. Some values as a diverse area of cover in a rather open landscape. The railway here acts mainly as a refuge from which to forage but the variety of flora and probably invertebrate richness makes the BR land useful per se.	Birds (small)	2	3	3
1	3	5	708		Birds (large)	1	1	2
1	6	50	707		Mamm. (small)	2	2	2
2	2	5	700		Mamm. (large)	1	1	1
3	0	2	703		Other verts.	2	2	2
3	2	2	700		Lepidoptera	3		3
4	8	10	703		Other insects	3	3	3
					Other inverts.	2	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
spawning	1850	2	Rabbit Burrows	2	Various	
insects	2020	1			Diptera	
Redshank	2060	1			<u>Logis flavus</u> nest.	
Sparrows	3610	1				
Swift	3270	1				
Song Thrush	4310	1				
Willow Warbler	4720	1				
Meadow Pipit	4930	1				
Red Wagtail	5032	1				
Starling	5180	1				
House Sparrow	5250	1				
Goldfinch	5350	1				
Chaffinch	5550	1				
Yellowhammer	5580	1				
contd. over			contd. over		contd. over	
Lesser Black-backed Gull	2570	1				
Woodpigeon	2990	1				
Skylark	3570	1				
Carrion Crow	3681	1				
Blackbird	4240	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Haugh

Map Ref NT108723 Data bank ref

NCC Region South-east Scotland

County Lothians [W. Lothian]

Internal ref R279

STATUS

Part of	Adjacent to	NNR	PNNR	INR	SSSI
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	Local	Rare	Very rare
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Animals	Insects	Reptiles	<u>Birds</u>	Mammals
---------	---------	----------	--------------	---------

Habitat) describe - large wooded embankment with some grassy clearings & glades
)
Geological)

RAILWAY REGION Scottish DIVISION South-eastern AREA Edinburgh.

Address of Area Civil Engrs Office Mr. M.M. Farmer (D.C.E.)

Telephone number

Waverley Stn.
EDINBURGH

Tel. No. 031-536.2477.

Name of railway line Edinburgh → Glasgow (via Falkirk)

Access at Lane bridge under W. end of Almond Valley Viaduct Mileage post 37 1/2

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Re:

VISITS

Date	By whom	Assessment/Action
12th June 1980	D.C.M. Sargent, J.M. Harris & J.O. Mountford	The main value of this site is as an area of mature secondary woodland in an arable area. It supported good bird populations & was diverse enough in structure and dominant to have some potential botanically. * To be noted and possibly monitored occasionally. The trees here etc are probably planted and it is unlikely that B.R. will fell the site. However a note to B.R. about the value of this rather isolated wooded site would help.

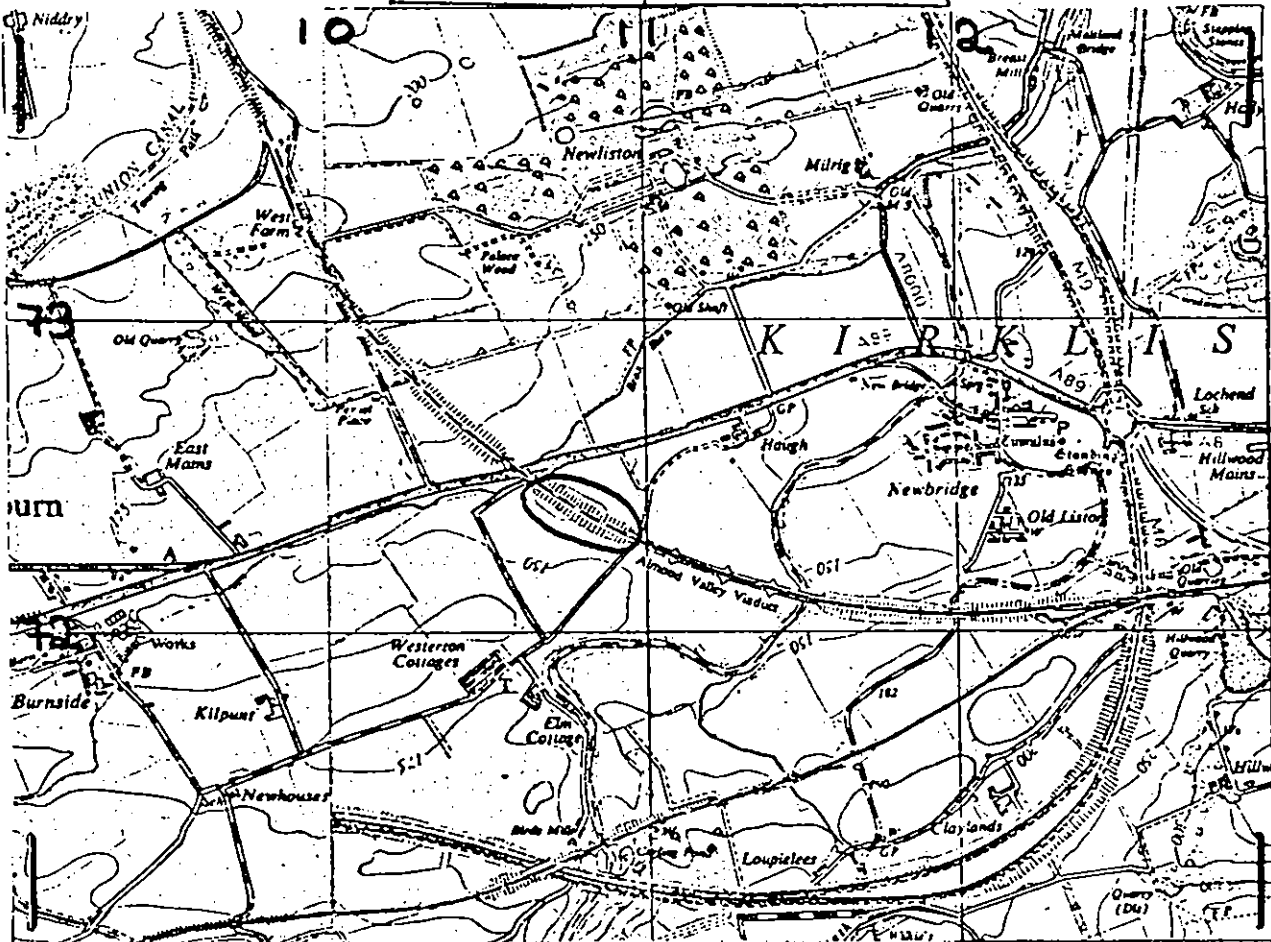
Continue over

FILE OPENED BY ITE Monks Wood

DATE 3rd Dec 1980

LOCATION STATUS

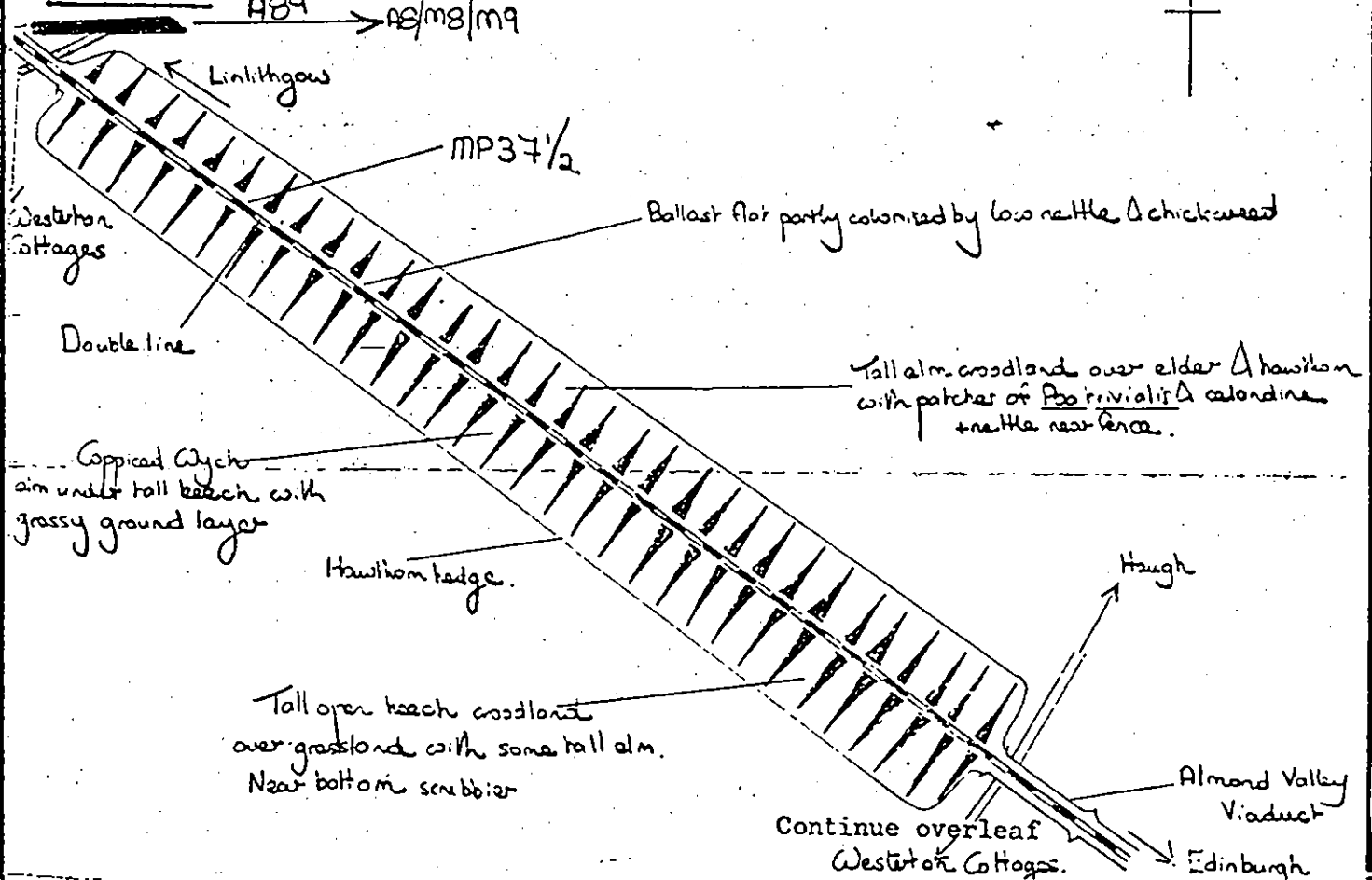
<u>Accurate</u>	Approximate
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SKETCH MAP

AB9 → AS/MS/M9

Scale 40cm = 1km. ↑ N



SITE NAME Haugh

CDB ref

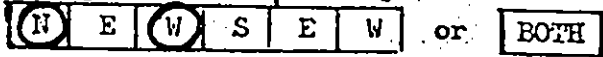
Internal ref R279

Altitude 145' → 190'

Local Geology Boulder Clay (some Alluvium at either end); over Carboniferous (Dinantian) Upper Oil-shale group

Neighbouring landuses Arable agriculture & improved grassland.

DIRECTION FROM ACCESS



Dist from * access point	<u>0 → 400m</u>	<u>0 → 400m</u>	<u>0 → 400m</u>				
Side of track °	<u>NE</u>	<u>NE</u>	<u>SW</u>				
Landform x	<u>Flat</u>	<u>Emb.</u>	<u>Emb.</u>				
Aspect-degrees	<u>—</u>	<u>c. 30°</u>	<u>215°</u>				
Width-metres	<u>4m.</u>	<u>→ 27m.</u>	<u>→ 35m</u>				
Disturbance +	<u>G.Ball.</u>	<u>—</u>	<u>loc. Ball.</u>				

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Presence of *Listera* and *Carex pallescens*. The young elm scrub is notably rich — 47 spp. in 25m² quadrat. The size & position of the site is interesting.

General vegn characteristics and habitat description indicate side of track:

The NE side is considerably poorer. By the line is a broad ballast flat with scattered vegetation of low halfta & chickweed, with sparse Arrhenatherum [column 1]. The slope is Ulex glabra woodland unmanaged over a patchy scrub layer of alder in the SE and Hawthorn in the NE. The ground is generally bare except for patches of Poa trivialis and Parunculus ficaria, with a few fern fronds. Near the boundary halfta patches become common. Bryophytes generally restricted to boulders except for Risidium bryoides and Mnium homum. Some of the plants become common near the boundary [column 2].

The SW side is variable but consists in the main of tall elm scrub with frequent very tall beech trees. Locally in the SE, tall alms also occur and near the boundary wall Hawthorn scrub probably derived from an old hedge accompanies the elm. The ground cover is grassy and dominated by Arrhenatherum/Brachypodium sylvaticum, or with Poa spp. locally in deeper shade. Hogweed is locally abundant and Megacodon avenae is colonising the bare areas. The deeper shade near the bottom has much more Brachypodium and a good variety of mosses as well as low spreading bramble and a very species-rich list. The elm has probably coppiced 20+ years ago and is accompanied by patches of prunif near the MP. The SE area has areas where the scrub thins out under the scattered tall beeches to leave grassy clearings where Fescue & Arrhenatherum replace Arrhenatherum & the shade spp. Gaura and Hieracium are present here also. Neatly dumped ballast is present in a line along the top in the SE and between this and the line is typical coarse Arrhenatherum with bramble. [column 3].

PREFERRED MANAGEMENT

Some new coppicing to retain diversity.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Coppicing on SW side 20+ years ago. Ballast dumping near the line. No management on NE

12.6.80 form

SITE NAME

Haugh

CDB ref

Internal ref R279

SIDE OF TRACK

N	E	W	S	E	W
---	---	---	---	---	---

DATE 12.6.80 RECORDER CMSargent/Jomaintford

Additional species

CODE

399
1828
1892

Carex pallascens
Hieracium sp.
Hieracium sp.
[Sabaudia]

CRASSES	NAME	CODE	Additional species
1	Agropy	399	<i>Carex pallascens</i>
2	Agropy	1828	<i>Hieracium</i> sp.
3	Agropy	1892	<i>Hieracium</i> sp.
4	Agropy		[Sabaudia]
5	Agropy		
6	Agropy		
7	Agropy		
8	Agropy		
9	Agropy		
10	Agropy		
11	Agropy		
12	Agropy		
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98	Agropy		
99	Agropy		
100	Agropy		

	Sc	SE	ED	R279
SITE NAME Haugh	RECORDER J.M. Harris	WEATHER 80% cloud cover, but g. bright. Moderate to fresh breeze.		LANDFORM ① 2 ③ 4 5 6 7 Flat by NE. side of line, Δ slight flattening by fences. Otherwise wide moderate emb.
M.P. 37½	TIPPING Flat by line heavily ballotted, little or slopes	DATE 12.6.80	TIME 1100 → 1345	
COUNTY Lothian [W. Lothian]	N.L.U. Improved grassland Δ cereals			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
00	050	85	700	Large embankment covered in elm Δ beech woodland with locally scrub patches and some grassy clearings on the SW. side. The SW. side has considerably more plant spp. and greater diversity to the vegetation structure. A valuable bird site in an area of open agriculture. The site probably supports much greater populations & variety of spp. than were noted in the brief visit. Some insect value esp. on the SW. side and above average for large mammals.	Birds (small)	2	2	3
1	6	5	700		Birds (large)	2	2	3
4	8	5	700		Mamm. (small)	3	3	2
			703		Mamm. (large)	2	2	2
					Other verts.		2	2
					Lepidoptera	2	0	2
					Other insects	3	3	3
					Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Black-headed Gull	2630	1			Small White butterfly	1
Woodpigeon	2990	1			Various	3
Swift	3270	1			Hemiptera (frog-hopper larvae)	
House Martin	3640	2				
Carriac Crow	3681	1				
Rook	3700	1				
Great Tit	3790	1				
Robin	4000	1				
Blackbird	4240	1				
Song Thrush	4310	1				
Willow Warbler	4720	1				
Starling	5180	3				
Chaffinch	5550	1				

contd. over

contd. over

contd. over

contd. over

contd. over

contd. over

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Dalmany

Map Ref NT 14.77. Data bank ref

NCC Region South-east Scotland County Lothian (W. Lothian) Internal ref B199

STATUS

Part of	Adjacent to	NNR	PNNR	INR	SSSI
---------	-------------	-----	------	-----	------

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Chosen as large cutting near to the Forth.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	<u>Rare</u>	Very rare
---------------	----------------	--------------	-------------	-----------

Animals	Insects	Reptiles	Birds	Mammals
---------	---------	----------	-------	---------

Habitat) describe: - Rich low down grassland, some rock exposures. Pioneer scrub passing through to young secondary woodland.
)
Geological)

RAILWAY REGION Scottish DIVISION South-eastern AREA Edinburgh

Address of Area Civil Engrs Office Mr. M.M. Farmer (D.C.E.)

Telephone number

Waverley Str.
EDINBURGH.

Tel. No. 031-5562477.

Name of railway line Edinburgh/Dundee junction with line from Linlithgow.

Access at Minor road bridge over at NT 14/773.

Mileage post 9 -> 9 1/4 ma
39-branch

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Re

VISITS

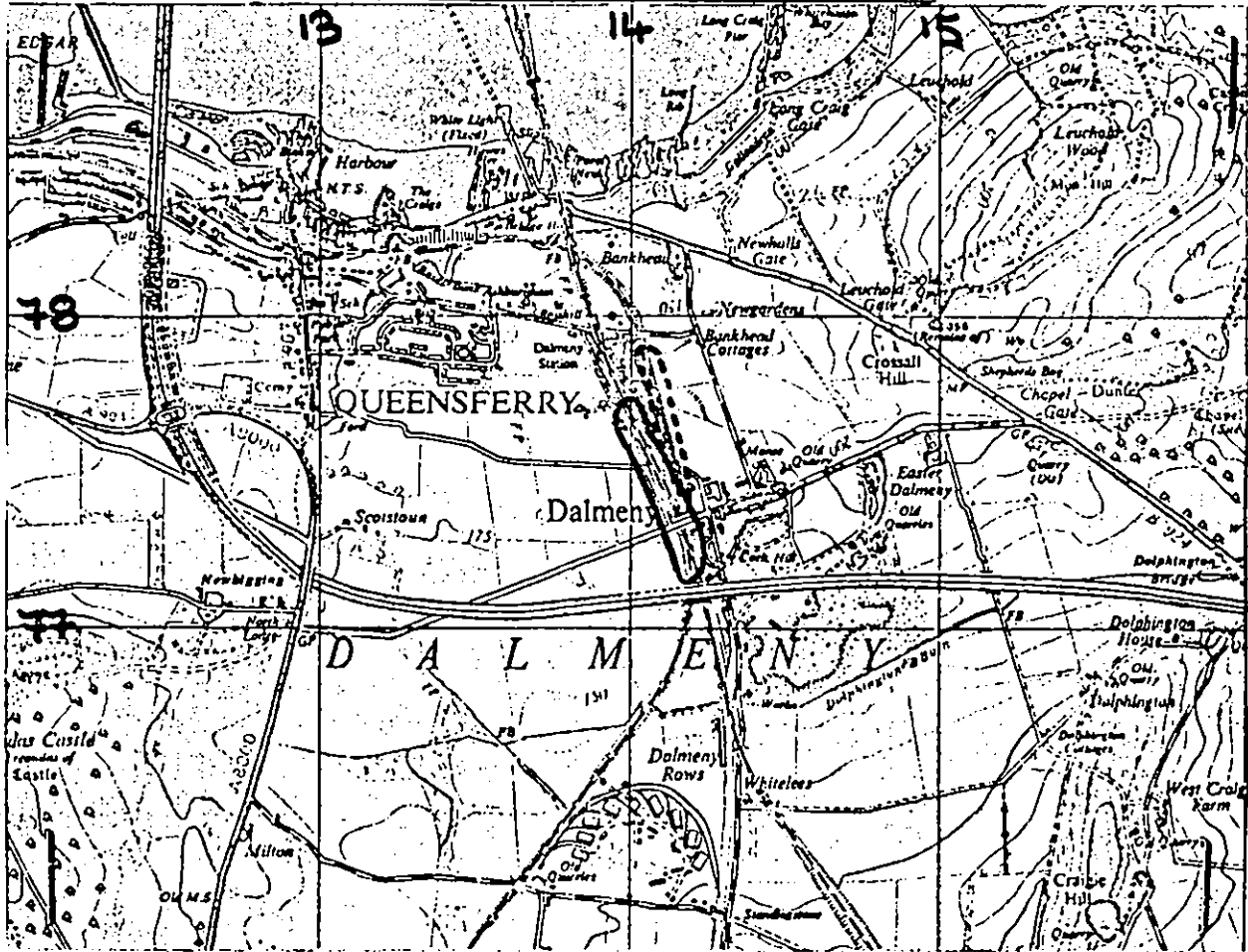
Date	By whom	Assessment/Action
<u>12th June 1980</u>	<u>Dr. C.M. Sargent,</u> <u>J.M. Harris &</u> <u>J.O. Mountford</u>	<u>Abundant and rich site with some base-rich turf and well-developed scrub. The boundary with the disused line to Fort Edder is not marked, and some of this large cutting is included in B199 though it may not be B.R. It is a useful site providing an excellent variety of vegetation on the S. side of the Forth. The proximity of the shore at Dalmany Park diminishes its relative value somewhat.</u> <u>* The ownership of the disused portion should be ascertained as this can be conserved easily without compromising the railway's functioning. Some of the best turf is on the active line and co-operation with B.R. is desirable.</u> <u>The disused part is already a footpath. Continue over!</u>

FILE OPENED BY ITE Monks Wood

DATE 10th Dec. 1980

LOCATION STATUS

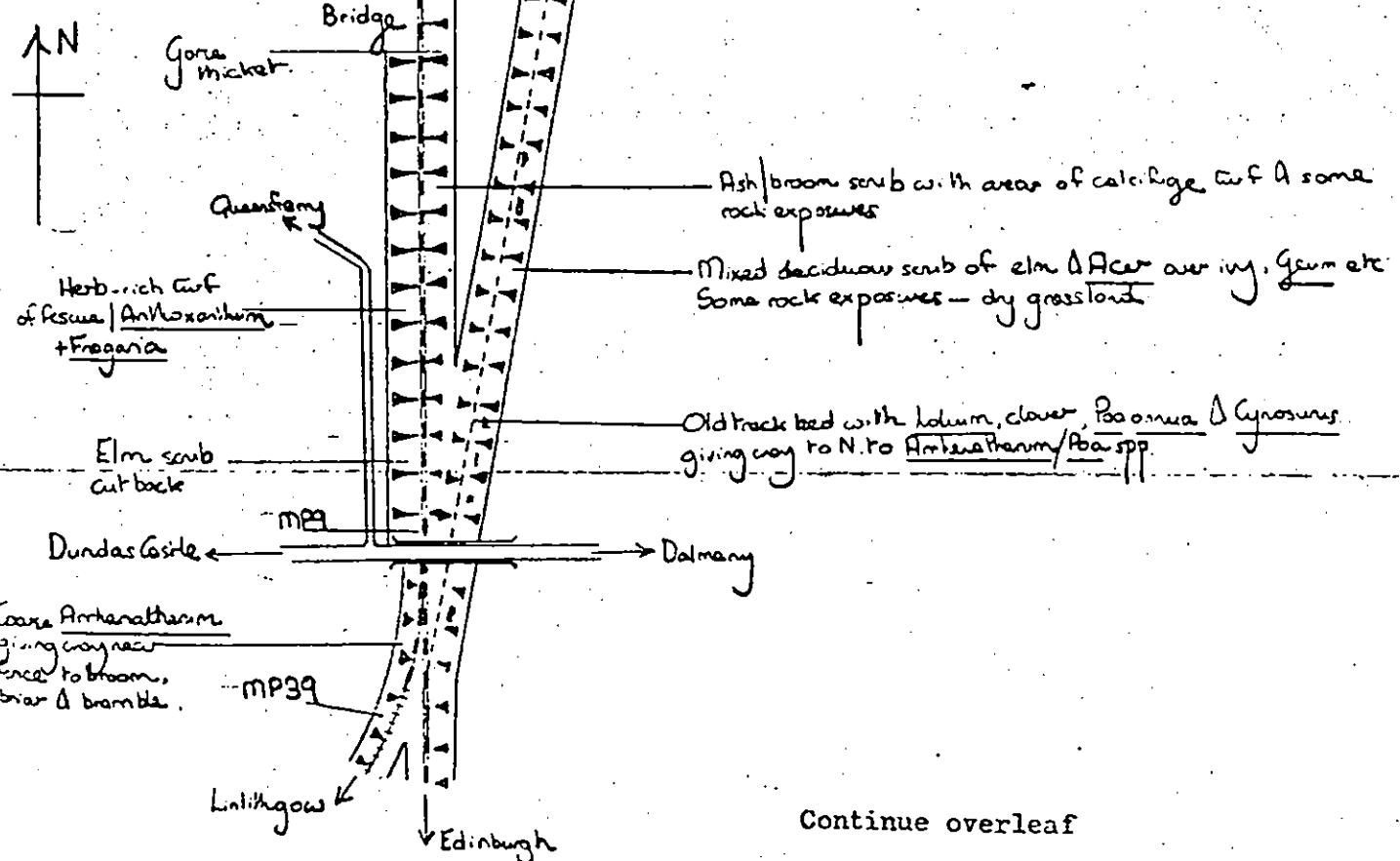
Accurate	Approximate
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○ Site proper; (---) possibly not B.R. owned.

SKETCH MAP

Scale 20cm = 1km.



Continue overleaf

SITE NAME Dalmeny

CDB ref

Internal ref B199

Altitude 160' → 190'

Local Geology Boulder Clay - some drift free. Over Carboniferous (Dintonian) Upper Oil-shale Group. In S. some igneous Extrusive: Tuff (unclassified)

Neighbouring Landuses Arable agriculture & private housing.

DIRECTION FROM ACCESS

N	E	W	S	E	W
---	---	---	---	---	---

 or

(BOTH) mainly N.

Dist from * access point	SW. 50 → 150m	S. 50 → 150m	S. 50m → N. 400m	S. 50m → N. 400m	S. 50 → N. 600m	N. 0 → 600m	N. 0 → 600m
Side of track °	Both (branch)	E.	W.	E.	E.	E.	E.
Landform x	Cut & Flat	Flat	C. Cut.	C. Cut.	Flat	S. Cut	S. Cut & C.
Aspect-degrees	100°	—	90°	270°	—	95°	275°
Width-metres	2 x 10m.	10m.	→ 15m.	→ 20m.	→ 10m.	→ 25m.	→ 25m.
Disturbance +	loc. S. Ball.	S. Ball.	loc. Clear	loc. Fire.	Trampling	—	—

- * If site is both sides of access point, precede distance by cardinal point.
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST The Pilosella coarctata, is a widespread alien in Scotland typical of railways but still under recorded. Sisymbrium orientale, Epilobium ciliatum, Serapis squaridus are all spreading in S. Scotland. 140 spp recorded. The protected disused cutting is interesting. Some good rich turf by the used line.

General vegn characteristics and habitat description indicate side of track

The banks of the hitherto branch are mainly covered in coarse Arrhenatherum giving way on upper slopes to broom, bramble, briar and rosebay. The flat in the fork of the lines has some disturbed grassland similar to this but with bare soil and poppies [column 1]. The used line goes through a mainly open cutting but elm scrub with Acer, hawthorn and thistle occurs on the W. side near the bridge. Sheltered areas have coarse Arrhenatherum with Trifolium spp., Anthriscus etc. & occasional rock exposures. The turf further north has fescue [Poa annua] with Hieracium, Fragaria & occasional orchids, plus Linum and Camptothecium sericeum. A damp area in the north has been burnt to leave a patchy vegetation of Holcus and Deschampsia coarctata [column 3]. The east slope has considerable ash & broom scrub near the crest with bramble. The turf patches near the rock exposures are similar to the west but have more Linum, clover, Poa & Pilosella effichorum. The alien Pilosella spp occur near MP 9 1/4 in turf amongst a burnt gorse, broom & ash scrub. [column 4]. The disused line has a completely colonized track bed covered in coarse grassland. Lolium, Trifolium repens, Cynurus occur in the E., with Arrhenatherum / Poa spp. dominant in a very poor flora further N. Coarse poor red fescue grassland also occurs with a big variety of field flowers and abundant Vicia hirsuta, Medicago and Lotus. Beyond the next road bridge the level track bed dips suddenly in a smaller cutting - the vegetation is basically similar but Holcus and Ranunculus repens are very common. A trampled path runs right along the flat track bed and has much Plantago major & Poa annua [column 5]. Where the old line joins the active the ballast is much more open and a number of interesting aliens occur as well as much Serapis squaridus and Sisymbrium orientale [column 2]. The banks of the disused line are mostly wooded with elm & sycamore over Myrtilus, bramble & coarse grasses. The more mature woodland near the junction has ash, hawthorn & elm over Poa spp. inc. Premorialis, Hieracium, Endymion, Epilobium & bryophytes. Locally there are rock exposures in this cutting, some shaded & bare, others in the open with a dry turf rich in forbs on the ledges & stony slopes. The wedge of land between the active and disused lines has been partially developed as allotments but the BR boundary is even less defined and rent rosebay, woodland & coarse Arrhenatherum grassland with hogweed & clover cover the ridge [columns 6 & 7].

PREFERRED MANAGEMENT

Some scrub control & mowing to retain & possibly increase the areas of short grassland.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Scrub cutting near the RP. Burning in the north end on the flat by the area on the W. side - probably accidental. Trampling by horses & people on disused line. Ballasting at junction.

12.6.80 form.

Sc	SE	ED	B199
SITE NAME Dalmary	RECORDER J.M. Harris	WEATHER 30% cloud cover. Bright & mild. Moderate to fresh breeze.	LANDFORM ①② 3 4 5 6 7 Flat of old track bed, much of rest cutting but some minor flats above.
M.P. 9 → 9 1/4 39	TIPPING locally v. heavy & uncoloured.	DATE 12.6.80	TIME 1545 → 1820
COUNTY Lothian [W. Lothian]	N.L.U. Arable farming & private housing		

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	0	35	700	The main line goes through a cutting with a variety of grassland, some rock exposures, gorse (burns) & cut scrub of elm. The branch off to Lintithrow has bracken, <u>Arrhenatherum</u> & some birch. The disused line has a coarse grassy track bed with steep wooded cutting slopes along both sides — some open ground has rock cuttings. Excellent combination of habitats & large size provide good potential for a variety of animals. Probably very valuable in context of village agriculture but other good areas are close.	Birds (small)	3	3	4
0	5	30	726/784		Birds (large)	2	2	3
1	1	10	700		Mamm. (small)	3	3	3
1	6	10	700		Mamm. (large)	2	2	2
4	3	5	700		Other verts.	.	2	2
4	8	1	703		Lepidoptera	3	3	3
6	5	10	703		Other insects	3	3	3
					Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Lesser Black-backed Gull	2570	1	Rabbit	3	<u>Apis mellifera</u>	1
Feral Pigeon	2980	1			<u>Lithobius forficatus</u>	1
Woodpigeon	2990	1			<u>Bembidion lampros</u>	1
Swallow	3610	2				
Carion Crow	3681	1				
Jackdaw	3710	1				
Magpie	3720	1				
Great Tit	3790	1				
Wren	3980	1				
Blackbird	4240	1				
Song Thrush	4310	1				
Willow Warbler	4720	2				
Duncock	4900	1				
Pied Wagtail	5032	1				
Starling	5180	2				

contd. over	✓		contd. over		contd. over	
contd. over			contd. over		contd. over	

SPECIES LIST OF ANIMALS contd.

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
House Sparrow Chaffinch Yellowhammer	5250 5550 5580	2 2 1				

CASUALTY LIST OF ANIMALS RECORDED ON B.R.

RAILWAY SITE OF BIOLOGICAL INTEREST

(Section 1)

SITE NAME Bogside Map Ref NS643682 Data bank ref

NCC Region South West Scotland County Strathclyde (Glasgow) Internal ref R282/8200

STATUS

Part of	Adjacent to	NNR	PNNR	INR	SSSI	
---------	-------------	-----	------	-----	------	--

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
<u>Animals</u>	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Sallow scrub, damp and dry cinder grasslands, often very mossy. Balast with ruderal vegetation. Some flooding.
)
Geological)

RAILWAY REGION Scot. DIVISION Glasgow AREA North

Address of Area Civil Engrs Office Mr. G.E. Hetherwick (D.C.E.)

Telephone number Blythswood House

GLASGOW

Tel. No. 041 332 9811

Name of railway line Springburn -> Coatbridge

Access at Low bridge over at NS643682 Mileage post

NOTIFICATION

Site notified to ER

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref.

VISITS

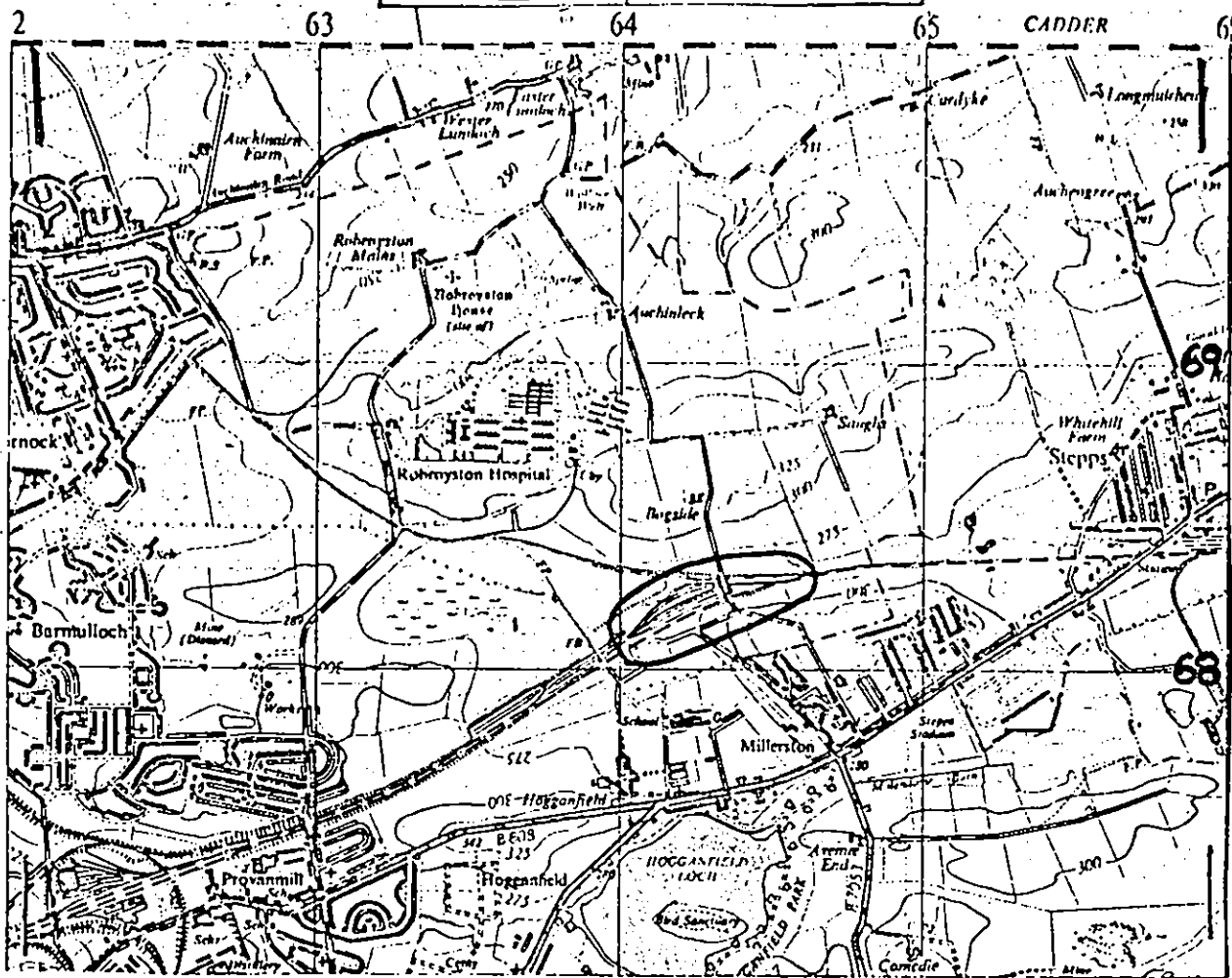
Date	By whom	Assessment/Action
<u>14th June 1980</u>	<u>Dr. C.M. Sargent, J.M. Harris & J.O. Mountford</u>	<u>A good example of rich semi-natural vegetation developing on industrial waste at the edge of an urban area. The flora is considerably richer than that of the neighbouring lands and there is good diverse feeding and cover for birds. Large enough to be of some value on its own but used by the local people as a dump.</u> <u>* Suggest further survey in the context of urban ecology to assess its value as a small educational nature reserve. It could gain enormously from conservation corps work to remove the domestic debris. The other cinder flats in this area deserve surveying as this site may be typical. The development on the neighbouring land may threaten the peripheral BR land. Status of old line. Roaded & marshy. In doubt. * P.T.O.</u>

FILE OPENED BY ITE, Monks Wood

DATE 10th Sept. 1980

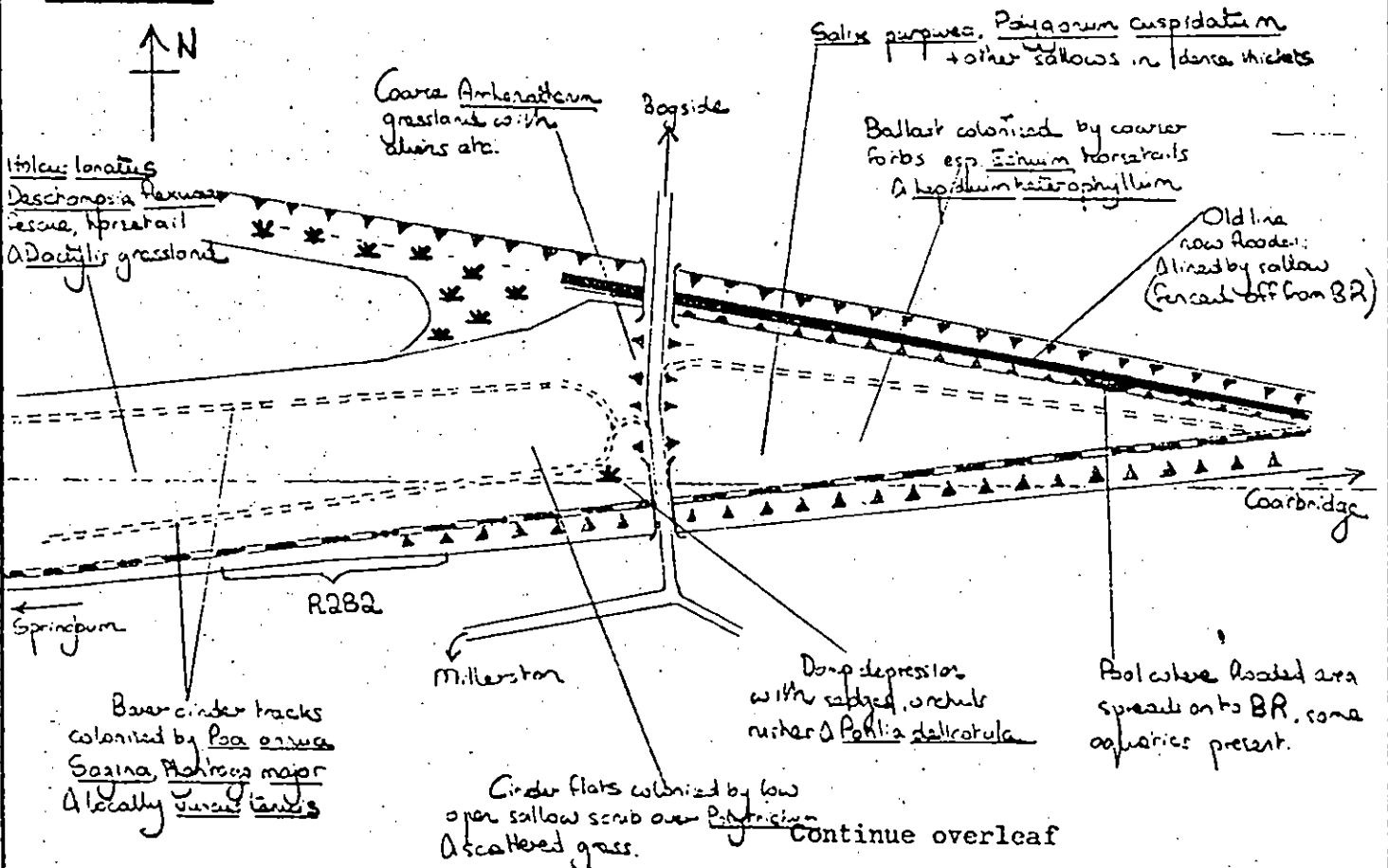
LOCATION STATUS

Accurate	Approximate
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SKETCH MAP

Scale 3cm = 100 metres.



Continue overleaf

SITE NAME Bagside

CDB ref

(Section 3) Internal ref R282/82

Altitude 270' → 280'

Local Geology Boulder clay (1st River Terrace Alluvium in far W. over Carboniferous Rocks, Upper Limestone Group of Carb. lime. plus in far E. — Millstone Grit.

Neighbouring landuses Rough lowland grassland, waste ground, flooded old line & housing.

DIRECTION FROM ACCESS

N E W S E W or (BOTH)

Dist from * access point	<u>W. 300 → E. 300m.</u>	<u>W. 300 → E. 300m.</u>	<u>W. 300 → E. 300m.</u>	<u>W. 30 → 80m.</u>	<u>Barb of AP bridge</u>	<u>E. 200 → 250m.</u>		
Side of track °	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>		
Landform x	<u>Flat</u>	<u>Flat</u>	<u>Flat</u>	<u>Flat</u>	<u>"Cut."</u>	<u>Ditch</u>		
Aspect-degrees	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>260°/80°</u>	<u>-</u>		
Width-metres	<u>→ 75m.</u>	<u>→ 5m.</u>	<u>→ 10m.</u>	<u>→ 25m.</u>	<u>→ 10m.</u>	<u>→ 2m.</u>		
Disturbance +	<u>S. Cind.</u>	<u>Trampling</u>	<u>S. Ball.</u>	<u>S. Cind.</u>	<u>-</u>	<u>-</u>		

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST Senecio crinitifolius, S. squalidus and Eupatorium ciliatum are all listed as very rare in the South of Scotland. Echium vulgare & Urtica bromoides are primarily coastal & local in this region. Juncus tenuis is a widespread plant in Strathclyde but not common on B.R.. Other interesting spp. include Dactylorhiza purpurella and Salix purpurea. Blackcap & Little Grebe is when area

General vegn characteristics and habitat description indicate side of track

The old cinder flat of the abandoned sidings are largely colonized by open mixed sallow scrub about 2m high with locally subdominant birch. The ground below has open grassland of Deschampsia flexuosa and Agrostis tenuis with scattered rosetary and abundant Polytrichum formosum plus Carotodon and Bryum capillare. Mosses often account for over 50% of the ground cover. The scrub east of the access point has less birch and is denser with Salix purpurea in addition to the sallows and large thickets of Polyg. commun. cuspidatum. The more open western area has Holcus spp. common in a herb-rich grassland with Reseda Dactylis ardi Deschampsia flexuosa plus horsehair, Pteris and dandelion [column 1]. Crossing the cinder and lining parallel to the line are lower cinder paths used by vehicles and colonized by Poa annua, Sagina, Plantago major and locally Juncus tenuis, [column 2]. In many areas of the east and nearer the line to the west ballast is exposed and coarse forbs dominate. Where this has been disturbed to the east Echium, Centaurus montana, horsehairs and a particularly luxuriant population of Lepidium heterophyllum occur. Buttercup, thistle, fescue and Anteratherum grow on the ballast flat to the west or where soil dumping has happened [column 3]. A damp depression is found to the W of the AP with a rather open local "dunk-stack" flora including Carex nigra, C. ovalis, Euphrasia nemorosa, much Juncus tenuis, Dactylorhiza purpurella, low Ranunculus repens, Marchantia and Pohlig delicatula [column 4]. This glade is surrounded by tall sallow and T. flavum repens is common. The road across the site is now heavily disturbed by earth moving equipment and is no longer made-up as shown on the 1:25000 map. The slopes are coarse Anteratherum grassland with Lupinus & Centaurus montana plus other coarse herbs [col. 5]. The old line, flooded for the most part, and marshy elsewhere is fenced off and appears no longer to be B.R. property. However at a number of points to the E the waterway widens to produce a series of pools which encroach onto the B.R. land and add a number of aquatic to the site list [column 6].

PREFERRED MANAGEMENT

Some grazing of the grassland and local reserved disturbance of ballast to encourage rare vascular. The scrub may be left to develop for the most part except by the marshy parts, and locally elsewhere

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Disturbance by vehicles, some old burning, probably accidental plus rubbish dumping. No real management, however.

John 14.6.80

REG. NO.	Sc	Divn.	G	AREA	N	STIL	R282
SITE NAME	Bogside		RECORDER	J.M. Harris		WEATHER	LANDFORM
M.P.	TIPPING		Severe & continuous cinder & ballast but mainly neutralised.		Continuous cloud cover with some low mist. Cool with a moderate breeze.		① ② 3 ④ 5 6 7 Mainly wide cinder & ballast flats. Locally uneven. The bridge over does have positive slopes by it and the south side has a low cutting slope by Tr. R little of the flooded old line inc.
COUNTY	Strathclyde (City of Glasgow)		N.L.U.	DATE	TIME		
	Rough lowland grassland housing, waste ground & flooded old line			14.6.80	1000 → 1220		

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	60	700	Most of the area wide cinder flats of old sidings in form of used line and now flooded branch to Balornock. Generally rather open birch & sallow scrub (2m. high), over most a patchy grass. Some coarse grass, disturbed ballast and weedy vegetation. South side a poor coarse grass cutting and flat. There is some vehicle pressure on the flats. Area very good for breeding of small birds in suburban region. Rabbits probably do not breed but graze the area. Species list for plants good enough to support rich insect fauna. A useful wild island.	Birds (small)	3	3	4
1	6	10	707		Birds (large)	2	2	1
2	2	2	700		Mamm. (small)	2	2	2
3	4	1	700		Mamm. (large)	2	2	2
6	5	5+	700		Other verts.	3	2	2
6	9	20	703		Lepidoptera	2	1	2
					Other insects	3	3	3
					Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.													
Blue Lark (nest)	3570	2	None (reported)	1	Bombus sp.	1													
Carton Crow	3691	1		None (reported)		Various													
Lesser Black-backed Gull	2570	2			None (reported)		Hemiptera (froghopper larvae)	3											
Willow Warbler (nest)	4720	1				None (reported)													
Starling	5180	2					None (reported)												
Sparrow	3270	2						None (reported)											
Blackbird	4240	1							None (reported)										
House Sparrow	5250	2								None (reported)									
Woodpigeon	2990	1									None (reported)								
Feral Pigeon	2970	3										None (reported)							
Song Thrush	4310	1											None (reported)						
Red Bunting (nest)	5740	1												None (reported)					
Blackcap (nest)	4570	1													None (reported)				
Kestrel (reported)	1420	1														None (reported)			
contd. over																	contd. over		contd. over
Mallard (reported)	0720	1	None (reported)																
Little Grebe	0050	1		None (reported)															
Lapwing	1850	2			None (reported)														
Moorhen	1730	1				None (reported)													
Oystercatcher	1820	1					None (reported)												
Black-headed Gull	2630	1						None (reported)											
Tree Pipit	4970	1							None (reported)										
contd. over										contd. over								contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME **Janeshown** Map Ref **NT125816** Data bank ref
NCC Region **South-east Scotland** County **Fife (Dunfermline)** Internal ref **R290**

<u>STATUS</u>	Part of	Adjacent to	NNR	PNNR	INR	SSSI	
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County Flora site. State ref -
Local Information site. State source -
Discovery etc. (Describe) - **Random Survey Site**

<u>INTEREST</u>	<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
	Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - **Rock cutting, boulder scree, heath & rich grasslands.**
Geological)

RAILWAY REGION **Scottish** DIVISION **South-eastern** AREA **Edinburgh**

Address of Area Civil Engrs Office **Mr. M.M. Farmer (D.C.E.)**
Telephone number
Waverley Str
EDINBURGH.
Tel. No. 031 556 2477

Name of railway line **Edinburgh -> Dundee.**
Access at **off B981 dip road from M90; NT124817** Mileage post **12**

<u>NOTIFICATION</u>	With whom	By whom	Date	Ref
Site notified to BR				
Management agreement (see section 3 for detail)				

<u>VISITS</u>	Date	By whom	Assessment/Action
	27th June 1980	Dr. C.M. Sargent, J.O. Mountford A.J.M. Harris	Some members of the Ferry Hills limestone flora occur on the site in good population. The combination of cliffs and grassland is interesting but not especially rare here. The calcicole element is however of note and decidedly local in Scotland generally. * Assess the meadow-rue and <u>Astragalus</u> population in the local context. The protected area here may be significant in their conservation. Further examination SE to the Forth Bridge could be useful.

Continue overle

SITE NAME Jamestown

CDB ref

(Section 3)
Internal ref A29CAltitude 30' → 150'

Local Geology

Mainly drift-free, some boulder clay near RP
Igneous Intrusive (Perm./Carb.) Quartz-diorite.Neighbouring landuses Motorary, heath and rough grassland.

DIRECTION FROM ACCESS

N E W (S) E W or BOTH

Dist from * access point	0 → 100m.	0 → 150m.	100 → 250m.	150 → 250m.	150 → 250m.			
Side of track °	W.	E.	W	Both	W			
Landform x	C.Emb.	C.Emb.	Flat	S.Cut.	Flat			
Aspect-degrees	270°	85°	—	270°/85°	—			
Width-metres	11m.	10m.	3m.	11 & 17m.	2m.			
Disturbance +	S. Tipp.	—	—	—	—			

- * If site is both sides of access point, precede distance by cardinal point
 ° Indicate side of track by compass cardinal point
 x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
 + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST Astragalus is very rare in Scotland, and Centaurea scabiosa, Echium and Thalictrum minus all uncommon north here. Among the alien spp. Carduus crispus, Chenopodium bonus-henricus, Sisymbrium orientale and Saponaria are all worthy of note

General veg characteristics and habitat description indicate side of track
 Two parts are readily discernable. The northern is an embankment up to a viaduct. There are minor flats by the line which are heavily banked. The west side is open with gorse, Tenarium, Thalictrum and Antennaria by the line giving way quickly to bare boulder areas with a little bramble locally, plus Echium and Sisymbrium, and Saponaria common with Chenopodium near the viaduct. [column 1] The east side is continuously vegetated with Dactylis, Holcus and Ornithoglossum by the line giving way to fescue and Thalictrum. Near the fence coarser Antennaria occurs with lots of bramble, hogweed, Centaurea spp etc and a little thicker our rattle and foxglove [column 2]. The access track comes up to the line near the cutting and a flat covered in low fescue grassland runs along the W. side. Astragalus, Linum and Lotus grow near the embankment and to the S. The grassland becomes coarser and a thin strip with some boulders runs along the foot of the rock face with hogweed & Dactylis common [column 3]. The southern part is a rock cutting of sandstone which is considerably higher on the E. side. Scattered gorse bushes, Houstonia, Hypochaeris and fescue/berb grassland occur in crevices and on ledges esp. on the E. side where the slope becomes gentler near the top with areas of fine stones and bare soil. [column 4]. The E. side has a fence at the cutting top but the boundary on the W. side is not marked though presumably runs near the cliff edge. The vegetation along the flat above here is a low fescue/berb calcifuge turf with patches of gorse [column 5].

PREFERRED MANAGEMENT

Some grazing or cutting back of coarser veg. on E. embankment.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Rabbit grazing locally. Fire possibly accidental on E. cutting near RP. Disturbance due to boulder sites.

27.6.80 Jom.

SITE NAME Jamstown

CDB ref

Internal ref R290

BRYOPHYTES

DATE 27th June 1980

RECORDER Dr. C.M. Sargent.

Additional Species
CODE NAME

001	Acro multi	269	ormu	363	myur	460	Picu acum	546	pauc	681	Adel dett	790	Leio brade	883	lary
002	Acro cord	272	taxi	364	stiri	461	subu	547	puni	683	Anas orca	791	biant	884	plag
003	Acro cup	274	vari	365	Lept spira	462	scus	548	tenu	684	Anas doni	794	muti	885	plat
004	Acro stam	275	vari	366	Lept spira	463	scus	549	trif	685	Anth jula	796	turb	886	tblu
005	Alai	276	Font anti	367	Lept spira	464	Pohl acum	551	Sema nova	688	Anth huan	801	fama	887	quad
006	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	689	Anth huan	801	fama	888	cuil
007	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	691	Apha micr	802	lomo	889	puk
008	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	692	Barb stils	803	lomo	890	comp
009	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	693	Barb stils	804	lomo	891	comp
010	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	694	Barb stils	805	lomo	892	comp
011	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	695	Barb stils	806	lomo	893	comp
012	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	696	Barb stils	807	lomo	894	comp
013	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	697	Barb stils	808	lomo	895	comp
014	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	698	Barb stils	809	lomo	896	comp
015	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	699	Barb stils	810	lomo	897	comp
016	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	700	Bazz pear	811	Loph bide	898	comp
017	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	701	Bazz pear	812	Loph bide	899	comp
018	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	702	Bazz pear	813	Loph bide	900	comp
019	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	703	Bazz pear	814	Loph bide	901	comp
020	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	704	Bazz pear	815	Loph bide	902	comp
021	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	705	Bazz pear	816	Loph bide	903	comp
022	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	706	Bazz pear	817	Loph bide	904	comp
023	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	707	Bazz pear	818	Loph bide	905	comp
024	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	708	Bazz pear	819	Loph bide	906	comp
025	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	709	Bazz pear	820	Loph bide	907	comp
026	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	710	Bazz pear	821	Loph bide	908	comp
027	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	711	Bazz pear	822	Loph bide	909	comp
028	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	712	Bazz pear	823	Loph bide	910	comp
029	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	713	Bazz pear	824	Loph bide	911	comp
030	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	714	Bazz pear	825	Loph bide	912	comp
031	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	715	Bazz pear	826	Loph bide	913	comp
032	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	716	Bazz pear	827	Loph bide	914	comp
033	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	717	Bazz pear	828	Loph bide	915	comp
034	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	718	Bazz pear	829	Loph bide	916	comp
035	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	719	Bazz pear	830	Loph bide	917	comp
036	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	720	Bazz pear	831	Loph bide	918	comp
037	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	721	Bazz pear	832	Loph bide	919	comp
038	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	722	Bazz pear	833	Loph bide	920	comp
039	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	723	Bazz pear	834	Loph bide	921	comp
040	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	724	Bazz pear	835	Loph bide	922	comp
041	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	725	Bazz pear	836	Loph bide	923	comp
042	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	726	Bazz pear	837	Loph bide	924	comp
043	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	727	Bazz pear	838	Loph bide	925	comp
044	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	728	Bazz pear	839	Loph bide	926	comp
045	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	729	Bazz pear	840	Loph bide	927	comp
046	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	730	Bazz pear	841	Loph bide	928	comp
047	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	731	Bazz pear	842	Loph bide	929	comp
048	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	732	Bazz pear	843	Loph bide	930	comp
049	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	733	Bazz pear	844	Loph bide	931	comp
050	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	734	Bazz pear	845	Loph bide	932	comp
051	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	735	Bazz pear	846	Loph bide	933	comp
052	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	736	Bazz pear	847	Loph bide	934	comp
053	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	737	Bazz pear	848	Loph bide	935	comp
054	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	738	Bazz pear	849	Loph bide	936	comp
055	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	739	Bazz pear	850	Loph bide	937	comp
056	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	740	Bazz pear	851	Loph bide	938	comp
057	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	741	Bazz pear	852	Loph bide	939	comp
058	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	742	Bazz pear	853	Loph bide	940	comp
059	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	743	Bazz pear	854	Loph bide	941	comp
060	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	744	Bazz pear	855	Loph bide	942	comp
061	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	745	Bazz pear	856	Loph bide	943	comp
062	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	746	Bazz pear	857	Loph bide	944	comp
063	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	747	Bazz pear	858	Loph bide	945	comp
064	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	748	Bazz pear	859	Loph bide	946	comp
065	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	749	Bazz pear	860	Loph bide	947	comp
066	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	750	Bazz pear	861	Loph bide	948	comp
067	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	751	Bazz pear	862	Loph bide	949	comp
068	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	752	Bazz pear	863	Loph bide	950	comp
069	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	753	Bazz pear	864	Loph bide	951	comp
070	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	754	Bazz pear	865	Loph bide	952	comp
071	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	755	Bazz pear	866	Loph bide	953	comp
072	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	756	Bazz pear	867	Loph bide	954	comp
073	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	757	Bazz pear	868	Loph bide	955	comp
074	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	758	Bazz pear	869	Loph bide	956	comp
075	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	759	Bazz pear	870	Loph bide	957	comp
076	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	760	Bazz pear	871	Loph bide	958	comp
077	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	761	Bazz pear	872	Loph bide	959	comp
078	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	762	Bazz pear	873	Loph bide	960	comp
079	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	763	Bazz pear	874	Loph bide	961	comp
080	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	764	Bazz pear	875	Loph bide	962	comp
081	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	765	Bazz pear	876	Loph bide	963	comp
082	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	766	Bazz pear	877	Loph bide	964	comp
083	Alai capi	276	anti	368	Lept spira	465	tblu	554	Spha comp	767	Bazz pear	878	Loph bide	965	

ANIMAL RECORD	REGN. Sc	DIVN. SE	AREA ED	SITE R290
SITE NAME Tonestown	RECORDER J.M. Harris	WEATHER 80% cloud cover, but bright. Mild to warm in shelter. Moderate to strong breeze.		LANDFORM 1 2 3 4 5 6 7 Medium embankment with flats above to N. Steep rock cutting to S.
N.P. 12	TIPPING Locally heavy boulders, generally sterilized	DATE 27.6.80	TIME 1430 → 1630	
COUNTY Fife (Dunfermline)	N.L.U. Rough grassland, heath & roads.			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	10	700	The embankment has some scrub and boulders on it but is generally very exposed. The rock cutting to the south has more shelter but few nesting crevices and is generally poor for larger animals. The variety of flowering plants is good and may reflect itself in a good invertebrate fauna but no evidence for this was seen. A rather poor site which is certainly no better than neighbouring roads cuttings & rough grass for animal life.	Birds (small)	1	1	2
1	1	5	708		Birds (large)	1	1	1
1	3	20	708		Mamm. (small)	2	2	2
1	6	15	700		Mamm. (large)	1	1	1
4	3	35	742		Other verts.	.	1	1
4	8	15	703		Lepidoptera	1	.	1
					Other insects	2	2	2
					Other inverts.	2	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Starling	5180	1	Rabbit	2	Various: Lepidoptera (Pyralids) Hemiptera (Froggus) Arachnida.	
Blackbird	4240	1				
Linnet	5370	1				
Herring Gull	3560	2				
Lesser Black-backed Gull	2570	1				
Black-headed Gull	2630	2				
Common Crow	3681	1				
Rook	3700	1				
contd. over			contd. over		contd. over	
Meadow Pipit	4930	1				
Sylark	3570	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Kilbagie

Map Ref NS931902 Data bank ref

NCC Region South-east Scotland County Central (Clackmannan) Internal ref R294

STATUS

Part of	Adjacent to	NNR	PNNR	LNK	SSSI	
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	<u>Rare</u>	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Calcifuge grassland & coarse vegetation. Scattered
) scrub and tall-herb.
Geological)

RAILWAY REGION Scottish DIVISION South-eastern AREA Edinburgh

Address of Area Civil Engrs Office Mr. M.M. Farmer (D.C.E.)

Telephone number Chamberlay Stn.
EDINBURGH

Tel. No. 031-556.2477

Name of railway line Dunfermline -> Alloa via Culross & Kincardine.

Access at low bridge over at NS930903

Mileage post 2 1/4

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Re

VISITS

Date	By whom	Assessment/Action
<u>29th June 1980</u>	<u>Dr. C.M. Sargent & J.M. Harris</u>	<u>Extensive area of sheltered calcifuge grassland, with good scrub & woodland cover on line to NW. <u>Flag chrysantha</u>, a rare plant, is well established. The bird populations and variety are above average. A useful area of semi-natural vegetation in the local context of arable agriculture, improved pasture & conifer plantation.</u> <u>* Note end survey the cutting toward Clackmannan. Several places were examined in this region and this one was notably better than any bar <u>Tombs (B202)</u>, however, some of the large embankments & cuttings may have good vegetation.</u>

Continue over?

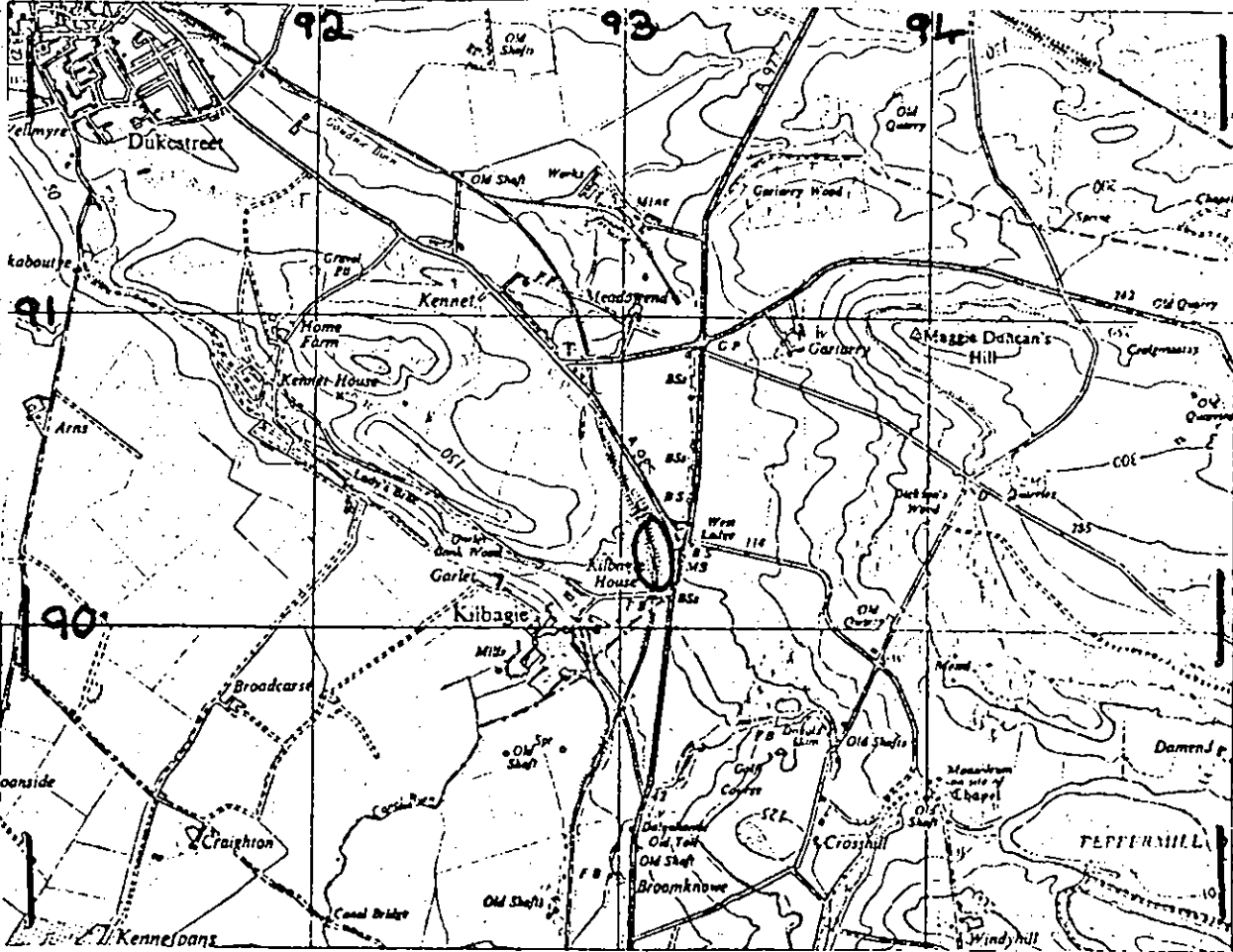
FILE OPENED BY ITE Monks Wood

DATE 6th Jun 1981

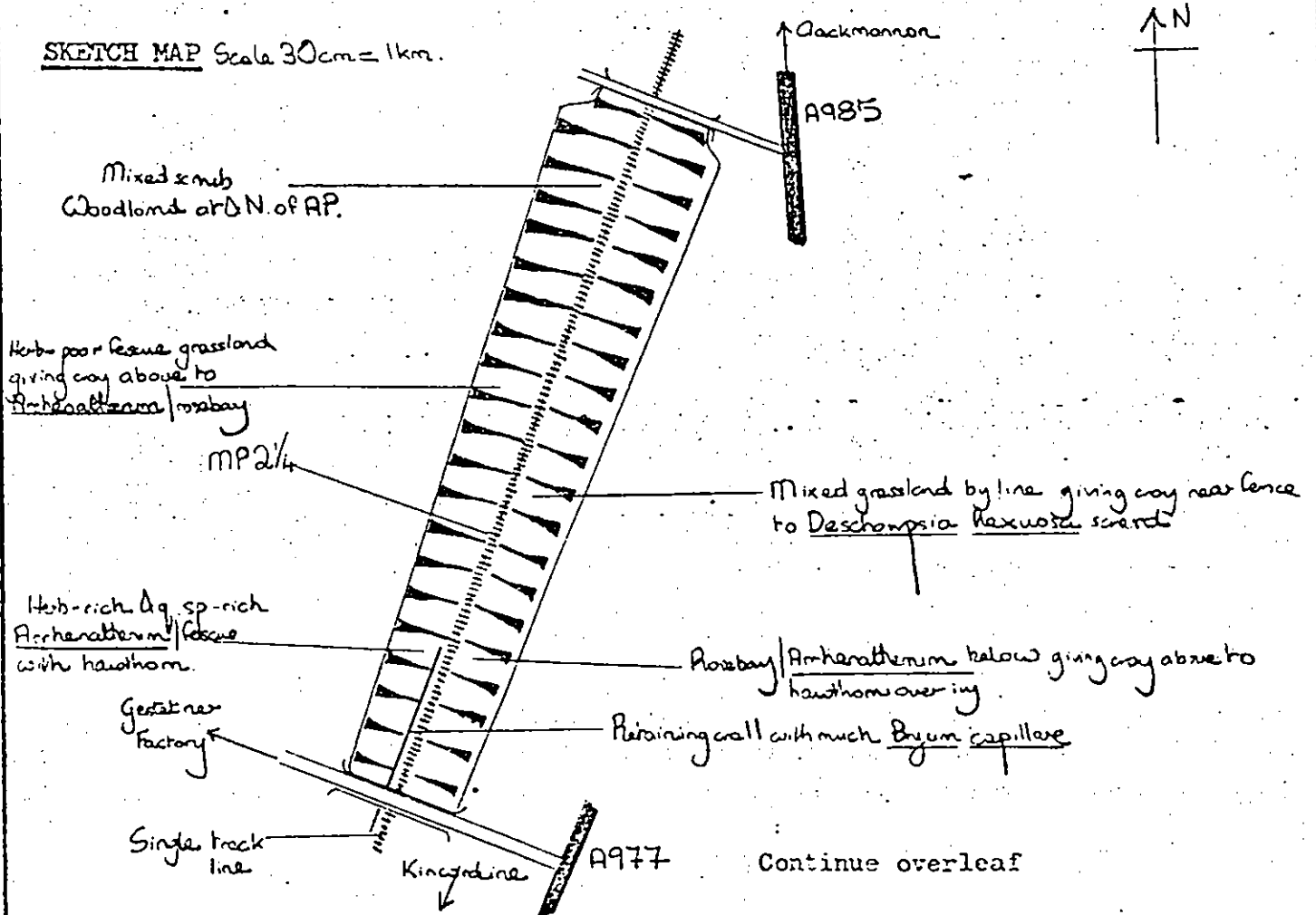
LOCATION STATUS

Accurate

Approximate



SKETCH MAP Scale 30cm = 1km.



SITE NAME Kilboggie

CDB ref

(Section 3)
Internal ref A294Altitude 80' → 110'Local Geology Late glacial raised beach over Upper Carboniferous (Coal Measures): Lower Coal Measures.Neighbouring landuses Arable agriculture, some rough grassland & a road.

DIRECTION FROM ACCESS

N	E	W	S	E	W	or	BOTH
---	---	---	----------	---	---	----	------

Dist from * access point	<u>100 →</u> <u>350m.</u>	<u>280 →</u> <u>350m</u>	<u>100 →</u> <u>350m</u>	<u>270 →</u> <u>350m</u>				
Side of track °	<u>W</u>	<u>W</u>	<u>E</u>	<u>E</u>				
Landform x	<u>C.Cut</u>	<u>Wall</u>	<u>C.Cut.</u>	<u>C.Cut.</u>				
Aspect-degrees	<u>110°</u>	<u>110°</u>	<u>290°</u>	<u>290°</u>				
Width-metres	<u>7 → 17m.</u>	<u>0.6m.</u>	<u>4 → 17m</u>	<u>→ 5m.</u>				
Disturbance +	<u>loc. Clear</u>	<u>—</u>	<u>loc. Clear</u>	<u>—</u>				

- * If site is both sides of access point, precede distance by cardinal point
 ° Indicate side of track by compass cardinal point
 x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
 + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Calcifuge grassland with good spread of *Carex pilulifera*. Well-established population of rose alder *Poa chaixii*. Good bird refuge!

General vegn characteristics and habitat description indicate side of track

The main cover is grassland but this varies between cover types dominated by *Amherstherum*, through lower heath grassland to low *Deschampsia flexuosa* sward. The west side is mainly *Festuca* / *D. flexuosa* in the north with bent and *Hieracium* sp. as well as *Carex pilulifera*. Near the Arke end to the S *Amherstherum* becomes co-dominant with *Festuca*, *Lolium*, *Tussilago*, *Dactylis*, low scattered hawthorn & hogweed. Rosebay is the other major cover sp. replacing *Amherstherum* or co-dominant with it in the ranker vegetation, often quite rich close to the fence. *Poa chaixii* occurs under hawthorn near the Gestner bridge. [column 1]. A low retaining wall runs along by the line to cross this bridge and supports much *Bryum capillare*. It is partially shaded by hawthorn and has some bare cinder with dumped sleepers below. [column 2]. The east side has a sward of *Deschampsia flexuosa* near the MP and away from the influence of the line. *Holcus plantarum*, *tormentum*, bent & *Galium saxatile* grow with it. Near the line, probably where old ballast dumping has occurred, *Festuca* takes over with cocksfoot, *Amherstherum* plus scattered invading birch. The area of herb dominated vegetation narrower to the South and coarsens to become a rosebay / *Amherstherum* sward with *Silene dioica*, bramble and considerable pleurocarpous moss. [column 3]. On the upper slope hawthorn scrub occurs with some emergent oak, ash & elm over a carpet of ivy with bramble, *Stachys*, *Gum* etc. [column 4]. This kind of vegetation with tall trees becoming increasingly important occurs N. of MP 2 1/2 to the AP bridge & beyond. A culvert goes under ground at the top of the South slope near the Gestner bridge.

- PREFERRED MANAGEMENT

Some mowing / grazing.

EVIDENCE OF MANAGEMENT. Close entries to date and recorder's initials.

Scrub cutting has occurred fairly recently throughout the Sn. & En. site, some stumps & old wood piles.
Ballasting light declined.

29.6.80 form.

Additional Species	NAME
1199	Lupinus polyphyllus
1498	Pop. chibotzi
1828	Viernacium sp.

GRASSES	FRUIT	SEED	POLEN	RE	UN	INT	OT	SEED	FRUIT	SEED	FRUIT
36 Agrop	301 Hedr	309 Cera	1594	309 Cera	893 Cera	309 Cera	309 Cera	309 Cera	309 Cera	309 Cera	309 Cera
41 Aiza	302 Heder	313 Cera	1595	313 Cera	897 Cera	313 Cera	313 Cera	313 Cera	313 Cera	313 Cera	313 Cera
82 Alpe	303 Heder	314 Cera	1596	314 Cera	907 Cera	314 Cera	314 Cera	314 Cera	314 Cera	314 Cera	314 Cera
85	304 Heder	315 Cera	1597	315 Cera	909 Cera	315 Cera	315 Cera	315 Cera	315 Cera	315 Cera	315 Cera
113	305 Heder	316 Cera	1598	316 Cera	911 Cera	316 Cera	316 Cera	316 Cera	316 Cera	316 Cera	316 Cera
193	306 Heder	317 Cera	1599	317 Cera	913 Cera	317 Cera	317 Cera	317 Cera	317 Cera	317 Cera	317 Cera
227	307 Heder	318 Cera	1600	318 Cera	914 Cera	318 Cera	318 Cera	318 Cera	318 Cera	318 Cera	318 Cera
259	308 Heder	319 Cera	1601	319 Cera	916 Cera	319 Cera	319 Cera	319 Cera	319 Cera	319 Cera	319 Cera
262	309 Heder	320 Cera	1602	320 Cera	917 Cera	320 Cera	320 Cera	320 Cera	320 Cera	320 Cera	320 Cera
263	310 Heder	321 Cera	1603	321 Cera	921 Cera	321 Cera	321 Cera	321 Cera	321 Cera	321 Cera	321 Cera
264	311 Heder	322 Cera	1604	322 Cera	924 Cera	322 Cera	322 Cera	322 Cera	322 Cera	322 Cera	322 Cera
265	312 Heder	323 Cera	1605	323 Cera	924 Cera	323 Cera	323 Cera	323 Cera	323 Cera	323 Cera	323 Cera
266	313 Heder	324 Cera	1606	324 Cera	931 Cera	324 Cera	324 Cera	324 Cera	324 Cera	324 Cera	324 Cera
267	314 Heder	325 Cera	1607	325 Cera	941 Cera	325 Cera	325 Cera	325 Cera	325 Cera	325 Cera	325 Cera
268	315 Heder	326 Cera	1608	326 Cera	944 Cera	326 Cera	326 Cera	326 Cera	326 Cera	326 Cera	326 Cera
269	316 Heder	327 Cera	1609	327 Cera	955 Cera	327 Cera	327 Cera	327 Cera	327 Cera	327 Cera	327 Cera
270	317 Heder	328 Cera	1610	328 Cera	955 Cera	328 Cera	328 Cera	328 Cera	328 Cera	328 Cera	328 Cera
271	318 Heder	329 Cera	1611	329 Cera	979 Cera	329 Cera	329 Cera	329 Cera	329 Cera	329 Cera	329 Cera
272	319 Heder	330 Cera	1612	330 Cera	1002 Cera	330 Cera	330 Cera	330 Cera	330 Cera	330 Cera	330 Cera
273	320 Heder	331 Cera	1613	331 Cera	1003 Cera	331 Cera	331 Cera	331 Cera	331 Cera	331 Cera	331 Cera
274	321 Heder	332 Cera	1614	332 Cera	1010 Cera	332 Cera	332 Cera	332 Cera	332 Cera	332 Cera	332 Cera
275	322 Heder	333 Cera	1615	333 Cera	1011 Cera	333 Cera	333 Cera	333 Cera	333 Cera	333 Cera	333 Cera
276	323 Heder	334 Cera	1616	334 Cera	1012 Cera	334 Cera	334 Cera	334 Cera	334 Cera	334 Cera	334 Cera
277	324 Heder	335 Cera	1617	335 Cera	1014 Cera	335 Cera	335 Cera	335 Cera	335 Cera	335 Cera	335 Cera
278	325 Heder	336 Cera	1618	336 Cera	1016 Cera	336 Cera	336 Cera	336 Cera	336 Cera	336 Cera	336 Cera
279	326 Heder	337 Cera	1619	337 Cera	1016 Cera	337 Cera	337 Cera	337 Cera	337 Cera	337 Cera	337 Cera
280	327 Heder	338 Cera	1620	338 Cera	1016 Cera	338 Cera	338 Cera	338 Cera	338 Cera	338 Cera	338 Cera
281	328 Heder	339 Cera	1621	339 Cera	1016 Cera	339 Cera	339 Cera	339 Cera	339 Cera	339 Cera	339 Cera
282	329 Heder	340 Cera	1622	340 Cera	1016 Cera	340 Cera	340 Cera	340 Cera	340 Cera	340 Cera	340 Cera
283	330 Heder	341 Cera	1623	341 Cera	1016 Cera	341 Cera	341 Cera	341 Cera	341 Cera	341 Cera	341 Cera
284	331 Heder	342 Cera	1624	342 Cera	1016 Cera	342 Cera	342 Cera	342 Cera	342 Cera	342 Cera	342 Cera
285	332 Heder	343 Cera	1625	343 Cera	1016 Cera	343 Cera	343 Cera	343 Cera	343 Cera	343 Cera	343 Cera
286	333 Heder	344 Cera	1626	344 Cera	1016 Cera	344 Cera	344 Cera	344 Cera	344 Cera	344 Cera	344 Cera
287	334 Heder	345 Cera	1627	345 Cera	1016 Cera	345 Cera	345 Cera	345 Cera	345 Cera	345 Cera	345 Cera
288	335 Heder	346 Cera	1628	346 Cera	1016 Cera	346 Cera	346 Cera	346 Cera	346 Cera	346 Cera	346 Cera
289	336 Heder	347 Cera	1629	347 Cera	1016 Cera	347 Cera	347 Cera	347 Cera	347 Cera	347 Cera	347 Cera
290	337 Heder	348 Cera	1630	348 Cera	1016 Cera	348 Cera	348 Cera	348 Cera	348 Cera	348 Cera	348 Cera
291	338 Heder	349 Cera	1631	349 Cera	1016 Cera	349 Cera	349 Cera	349 Cera	349 Cera	349 Cera	349 Cera
292	339 Heder	350 Cera	1632	350 Cera	1016 Cera	350 Cera	350 Cera	350 Cera	350 Cera	350 Cera	350 Cera
293	340 Heder	351 Cera	1633	351 Cera	1016 Cera	351 Cera	351 Cera	351 Cera	351 Cera	351 Cera	351 Cera
294	341 Heder	352 Cera	1634	352 Cera	1016 Cera	352 Cera	352 Cera	352 Cera	352 Cera	352 Cera	352 Cera
295	342 Heder	353 Cera	1635	353 Cera	1016 Cera	353 Cera	353 Cera	353 Cera	353 Cera	353 Cera	353 Cera
296	343 Heder	354 Cera	1636	354 Cera	1016 Cera	354 Cera	354 Cera	354 Cera	354 Cera	354 Cera	354 Cera
297	344 Heder	355 Cera	1637	355 Cera	1016 Cera	355 Cera	355 Cera	355 Cera	355 Cera	355 Cera	355 Cera
298	345 Heder	356 Cera	1638	356 Cera	1016 Cera	356 Cera	356 Cera	356 Cera	356 Cera	356 Cera	356 Cera
299	346 Heder	357 Cera	1639	357 Cera	1016 Cera	357 Cera	357 Cera	357 Cera	357 Cera	357 Cera	357 Cera
300	347 Heder	358 Cera	1640	358 Cera	1016 Cera	358 Cera	358 Cera	358 Cera	358 Cera	358 Cera	358 Cera
301	348 Heder	359 Cera	1641	359 Cera	1016 Cera	359 Cera	359 Cera	359 Cera	359 Cera	359 Cera	359 Cera
302	349 Heder	360 Cera	1642	360 Cera	1016 Cera	360 Cera	360 Cera	360 Cera	360 Cera	360 Cera	360 Cera
303	350 Heder	361 Cera	1643	361 Cera	1016 Cera	361 Cera	361 Cera	361 Cera	361 Cera	361 Cera	361 Cera
304	351 Heder	362 Cera	1644	362 Cera	1016 Cera	362 Cera	362 Cera	362 Cera	362 Cera	362 Cera	362 Cera
305	352 Heder	363 Cera	1645	363 Cera	1016 Cera	363 Cera	363 Cera	363 Cera	363 Cera	363 Cera	363 Cera
306	353 Heder	364 Cera	1646	364 Cera	1016 Cera	364 Cera	364 Cera	364 Cera	364 Cera	364 Cera	364 Cera
307	354 Heder	365 Cera	1647	365 Cera	1016 Cera	365 Cera	365 Cera	365 Cera	365 Cera	365 Cera	365 Cera
308	355 Heder	366 Cera	1648	366 Cera	1016 Cera	366 Cera	366 Cera	366 Cera	366 Cera	366 Cera	366 Cera
309	356 Heder	367 Cera	1649	367 Cera	1016 Cera	367 Cera	367 Cera	367 Cera	367 Cera	367 Cera	367 Cera
310	357 Heder	368 Cera	1650	368 Cera	1016 Cera	368 Cera	368 Cera	368 Cera	368 Cera	368 Cera	368 Cera
311	358 Heder	369 Cera	1651	369 Cera	1016 Cera	369 Cera	369 Cera	369 Cera	369 Cera	369 Cera	369 Cera
312	359 Heder	370 Cera	1652	370 Cera	1016 Cera	370 Cera	370 Cera	370 Cera	370 Cera	370 Cera	370 Cera
313	360 Heder	371 Cera	1653	371 Cera	1016 Cera	371 Cera	371 Cera	371 Cera	371 Cera	371 Cera	371 Cera
314	361 Heder	372 Cera	1654	372 Cera	1016 Cera	372 Cera	372 Cera	372 Cera	372 Cera	372 Cera	372 Cera
315	362 Heder	373 Cera	1655	373 Cera	1016 Cera	373 Cera	373 Cera	373 Cera	373 Cera	373 Cera	373 Cera
316	363 Heder	374 Cera	1656	374 Cera	1016 Cera	374 Cera	374 Cera	374 Cera	374 Cera	374 Cera	374 Cera
317	364 Heder	375 Cera	1657	375 Cera	1016 Cera	375 Cera	375 Cera	375 Cera	375 Cera	375 Cera	375 Cera
318	365 Heder	376 Cera	1658	376 Cera	1016 Cera	376 Cera	376 Cera	376 Cera	376 Cera	376 Cera	376 Cera
319	366 Heder	377 Cera	1659	377 Cera	1016 Cera	377 Cera	377 Cera	377 Cera	377 Cera	377 Cera	377 Cera
320	367 Heder	378 Cera	1660	378 Cera	1016 Cera	378 Cera	378 Cera	378 Cera	378 Cera	378 Cera	378 Cera
321	368 Heder	379 Cera	1661	379 Cera	1016 Cera	379 Cera	379 Cera	379 Cera	379 Cera	379 Cera	379 Cera
322	369 Heder	380 Cera	1662	380 Cera	1016 Cera	380 Cera	380 Cera	380 Cera	380 Cera	380 Cera	380 Cera
323	370 Heder	381 Cera	1663	381 Cera	1016 Cera	381 Cera	381 Cera	381 Cera	381 Cera	381 Cera	381 Cera
324	371 Heder	382 Cera	1664	382 Cera	1016 Cera	382 Cera	382 Cera	382 Cera	382 Cera	382 Cera	382 Cera
325	372 Heder	383 Cera	1665	383 Cera	1016 Cera	383 Cera	383 Cera	383 Cera	383 Cera	383 Cera	383 Cera
326	373 Heder	384 Cera	1666	384 Cera	1016 Cera	384 Cera	384 Cera	384 Cera	384 Cera	384 Cera	384 Cera
327	374 Heder	385 Cera	1667	385 Cera	1016 Cera	385 Cera	385 Cera	385 Cera	385 Cera	385 Cera	385 Cera
328	375 Heder	386 Cera	1668	386 Cera	1016 Cera	386 Cera	386 Cera	386 Cera	386 Cera	386 Cera	386 Cera
329	376 Heder	387 Cera	1669	387 Cera	1016 Cera	387 Cera	387 Cera	387 Cera	387 Cera	387 Cera	387 Cera
330	377 Heder	388 Cera	1670	388 Cera	1016 Cera	388 Cera	388 Cera	388 Cera	388 Cera	388 Cera	388 Cera
331	378 Heder	389 Cera	1671	389 Cera	1016 Cera	389 Cera	389 Cera	389 Cera	389 Cera	389 Cera	389 Cera
332	379 Heder	390 Cera	1672	390 Cera	1016 Cera	390 Cera	390 Cera	390 Cera	390 Cera	390 Cera	390 Cera
333	380 Heder	391 Cera	1673	391 Cera	1016 Cera	391 Cera	391 Cera	391 Cera	391 Cera	391 Cera	391 Cera
334	381 Heder	392 Cera	1674	392 Cera	1016 Cera	392 Cera	392 Cera	392 Cera	392 Cera	392 Cera	392 Cera
335	382 Heder	393 Cera	1675	393 Cera	1016 Cera	393 Cera	393 Cera	393 Cera	393 Cera	393 Cera	393 Cera
336	383 Heder	394 Cera	1676	394 Cera	1016 Cera	394 Cera	394 Cera	394 Cera	394 Cera	394 Cera	394 Cera
337	384 Heder	395 Cera	1677	395 Cera	1016 Cera	395 Cera	395 Cera	395 Cera	395 Cera	395 Cera	395 Cera
338	385 Heder	396 Cera	1678	396 Cera	1016 Cera	396 Cera	396 Cera	396 Cera	396 Cera	396 Cera	396 Cera
339	386 Heder	397 Cera	1679	397 Cera	1016 Cera	397 Cera	397 Cera	397 Cera	397 Cera	397 Cera	397 Cera
340	387 Heder	398 Cera	1680								

Additional Species
CODE NAME

001	Acru multi	001	Adel orca	346	pacu	460	Pleu scum	681	Adel orca	881	Lay plan
002	Aero comp	002	Anas dom	347	recu	461	Pleu subu	682	Anas dom	882	plan
003	Era comp	003	Anth hurn	348	Inf	462	Pleu scru	683	Anth hurn	883	Blu
004	Alu comp	004	Barb aila	349	novu	463	Pleu scru	684	Barb aila	884	Blu
005	Alu comp	005	Bass	350	comp	464	Fohl acum	685	Bass	885	quad
006	Alu comp	006	Bias pulv	351	comp	465	anot	686	Bias pulv	886	quid
007	Alu comp	007	Bleas pulv	352	comp	466	anot	687	Bleas pulv	887	quid
008	Alu comp	008	Bleas pulv	353	comp	467	anot	688	Bleas pulv	888	quid
009	Alu comp	009	Bleas pulv	354	comp	468	anot	689	Bleas pulv	889	quid
010	Alu comp	010	Bleas pulv	355	comp	469	anot	690	Bleas pulv	890	quid
011	Alu comp	011	Bleas pulv	356	comp	470	anot	691	Bleas pulv	891	quid
012	Alu comp	012	Bleas pulv	357	comp	471	anot	692	Bleas pulv	892	quid
013	Alu comp	013	Bleas pulv	358	comp	472	anot	693	Bleas pulv	893	quid
014	Alu comp	014	Bleas pulv	359	comp	473	anot	694	Bleas pulv	894	quid
015	Alu comp	015	Bleas pulv	360	comp	474	anot	695	Bleas pulv	895	quid
016	Alu comp	016	Bleas pulv	361	comp	475	anot	696	Bleas pulv	896	quid
017	Alu comp	017	Bleas pulv	362	comp	476	anot	697	Bleas pulv	897	quid
018	Alu comp	018	Bleas pulv	363	comp	477	anot	698	Bleas pulv	898	quid
019	Alu comp	019	Bleas pulv	364	comp	478	anot	699	Bleas pulv	899	quid
020	Alu comp	020	Bleas pulv	365	comp	479	anot	700	Bleas pulv	900	quid
021	Alu comp	021	Bleas pulv	366	comp	480	anot	701	Bleas pulv	901	quid
022	Alu comp	022	Bleas pulv	367	comp	481	anot	702	Bleas pulv	902	quid
023	Alu comp	023	Bleas pulv	368	comp	482	anot	703	Bleas pulv	903	quid
024	Alu comp	024	Bleas pulv	369	comp	483	anot	704	Bleas pulv	904	quid
025	Alu comp	025	Bleas pulv	370	comp	484	anot	705	Bleas pulv	905	quid
026	Alu comp	026	Bleas pulv	371	comp	485	anot	706	Bleas pulv	906	quid
027	Alu comp	027	Bleas pulv	372	comp	486	anot	707	Bleas pulv	907	quid
028	Alu comp	028	Bleas pulv	373	comp	487	anot	708	Bleas pulv	908	quid
029	Alu comp	029	Bleas pulv	374	comp	488	anot	709	Bleas pulv	909	quid
030	Alu comp	030	Bleas pulv	375	comp	489	anot	710	Bleas pulv	910	quid
031	Alu comp	031	Bleas pulv	376	comp	490	anot	711	Bleas pulv	911	quid
032	Alu comp	032	Bleas pulv	377	comp	491	anot	712	Bleas pulv	912	quid
033	Alu comp	033	Bleas pulv	378	comp	492	anot	713	Bleas pulv	913	quid
034	Alu comp	034	Bleas pulv	379	comp	493	anot	714	Bleas pulv	914	quid
035	Alu comp	035	Bleas pulv	380	comp	494	anot	715	Bleas pulv	915	quid
036	Alu comp	036	Bleas pulv	381	comp	495	anot	716	Bleas pulv	916	quid
037	Alu comp	037	Bleas pulv	382	comp	496	anot	717	Bleas pulv	917	quid
038	Alu comp	038	Bleas pulv	383	comp	497	anot	718	Bleas pulv	918	quid
039	Alu comp	039	Bleas pulv	384	comp	498	anot	719	Bleas pulv	919	quid
040	Alu comp	040	Bleas pulv	385	comp	499	anot	720	Bleas pulv	920	quid
041	Alu comp	041	Bleas pulv	386	comp	500	anot	721	Bleas pulv	921	quid
042	Alu comp	042	Bleas pulv	387	comp	501	anot	722	Bleas pulv	922	quid
043	Alu comp	043	Bleas pulv	388	comp	502	anot	723	Bleas pulv	923	quid
044	Alu comp	044	Bleas pulv	389	comp	503	anot	724	Bleas pulv	924	quid
045	Alu comp	045	Bleas pulv	390	comp	504	anot	725	Bleas pulv	925	quid
046	Alu comp	046	Bleas pulv	391	comp	505	anot	726	Bleas pulv	926	quid
047	Alu comp	047	Bleas pulv	392	comp	506	anot	727	Bleas pulv	927	quid
048	Alu comp	048	Bleas pulv	393	comp	507	anot	728	Bleas pulv	928	quid
049	Alu comp	049	Bleas pulv	394	comp	508	anot	729	Bleas pulv	929	quid
050	Alu comp	050	Bleas pulv	395	comp	509	anot	730	Bleas pulv	930	quid
051	Alu comp	051	Bleas pulv	396	comp	510	anot	731	Bleas pulv	931	quid
052	Alu comp	052	Bleas pulv	397	comp	511	anot	732	Bleas pulv	932	quid
053	Alu comp	053	Bleas pulv	398	comp	512	anot	733	Bleas pulv	933	quid
054	Alu comp	054	Bleas pulv	399	comp	513	anot	734	Bleas pulv	934	quid
055	Alu comp	055	Bleas pulv	400	comp	514	anot	735	Bleas pulv	935	quid
056	Alu comp	056	Bleas pulv	401	comp	515	anot	736	Bleas pulv	936	quid
057	Alu comp	057	Bleas pulv	402	comp	516	anot	737	Bleas pulv	937	quid
058	Alu comp	058	Bleas pulv	403	comp	517	anot	738	Bleas pulv	938	quid
059	Alu comp	059	Bleas pulv	404	comp	518	anot	739	Bleas pulv	939	quid
060	Alu comp	060	Bleas pulv	405	comp	519	anot	740	Bleas pulv	940	quid
061	Alu comp	061	Bleas pulv	406	comp	520	anot	741	Bleas pulv	941	quid
062	Alu comp	062	Bleas pulv	407	comp	521	anot	742	Bleas pulv	942	quid
063	Alu comp	063	Bleas pulv	408	comp	522	anot	743	Bleas pulv	943	quid
064	Alu comp	064	Bleas pulv	409	comp	523	anot	744	Bleas pulv	944	quid
065	Alu comp	065	Bleas pulv	410	comp	524	anot	745	Bleas pulv	945	quid
066	Alu comp	066	Bleas pulv	411	comp	525	anot	746	Bleas pulv	946	quid
067	Alu comp	067	Bleas pulv	412	comp	526	anot	747	Bleas pulv	947	quid
068	Alu comp	068	Bleas pulv	413	comp	527	anot	748	Bleas pulv	948	quid
069	Alu comp	069	Bleas pulv	414	comp	528	anot	749	Bleas pulv	949	quid
070	Alu comp	070	Bleas pulv	415	comp	529	anot	750	Bleas pulv	950	quid
071	Alu comp	071	Bleas pulv	416	comp	530	anot	751	Bleas pulv	951	quid
072	Alu comp	072	Bleas pulv	417	comp	531	anot	752	Bleas pulv	952	quid
073	Alu comp	073	Bleas pulv	418	comp	532	anot	753	Bleas pulv	953	quid
074	Alu comp	074	Bleas pulv	419	comp	533	anot	754	Bleas pulv	954	quid
075	Alu comp	075	Bleas pulv	420	comp	534	anot	755	Bleas pulv	955	quid
076	Alu comp	076	Bleas pulv	421	comp	535	anot	756	Bleas pulv	956	quid
077	Alu comp	077	Bleas pulv	422	comp	536	anot	757	Bleas pulv	957	quid
078	Alu comp	078	Bleas pulv	423	comp	537	anot	758	Bleas pulv	958	quid
079	Alu comp	079	Bleas pulv	424	comp	538	anot	759	Bleas pulv	959	quid
080	Alu comp	080	Bleas pulv	425	comp	539	anot	760	Bleas pulv	960	quid
081	Alu comp	081	Bleas pulv	426	comp	540	anot	761	Bleas pulv	961	quid
082	Alu comp	082	Bleas pulv	427	comp	541	anot	762	Bleas pulv	962	quid
083	Alu comp	083	Bleas pulv	428	comp	542	anot	763	Bleas pulv	963	quid
084	Alu comp	084	Bleas pulv	429	comp	543	anot	764	Bleas pulv	964	quid
085	Alu comp	085	Bleas pulv	430	comp	544	anot	765	Bleas pulv	965	quid
086	Alu comp	086	Bleas pulv	431	comp	545	anot	766	Bleas pulv	966	quid
087	Alu comp	087	Bleas pulv	432	comp	546	anot	767	Bleas pulv	967	quid
088	Alu comp	088	Bleas pulv	433	comp	547	anot	768	Bleas pulv	968	quid
089	Alu comp	089	Bleas pulv	434	comp	548	anot	769	Bleas pulv	969	quid
090	Alu comp	090	Bleas pulv	435	comp	549	anot	770	Bleas pulv	970	quid
091	Alu comp	091	Bleas pulv	436	comp	550	anot	771	Bleas pulv	971	quid
092	Alu comp	092	Bleas pulv	437	comp	551	anot	772	Bleas pulv	972	quid
093	Alu comp	093	Bleas pulv	438	comp	552	anot	773	Bleas pulv	973	quid
094	Alu comp	094	Bleas pulv	439	comp	553	anot	774	Bleas pulv	974	quid
095	Alu comp	095	Bleas pulv	440	comp	554	anot	775	Bleas pulv	975	quid
096	Alu comp	096	Bleas pulv	441	comp	555	anot	776	Bleas pulv	976	quid
097	Alu comp	097	Bleas pulv	442	comp	556	anot	777	Bleas pulv	977	quid
098	Alu comp	098	Bleas pulv	443	comp	557	anot	778	Bleas pulv	978	quid
099	Alu comp	099	Bleas pulv	444	comp	558	anot	779	Bleas pulv	979	quid
100	Alu comp	100	Bleas pulv	445	comp	559	anot	780	Bleas pulv	980	quid
101	Alu comp	101	Bleas pulv	446	comp	560	anot	781	Bleas pulv	981	quid
102	Alu comp	102	Bleas pulv	447	comp	561	anot	782	Bleas pulv	982	quid
103	Alu comp	103	Bleas pulv	448	comp	562	anot	783	Bleas pulv	983	quid
104	Alu comp	104	Bleas pulv	449	comp	563	anot	784	Bleas pulv	984	quid
105	Alu comp	105	Bleas pulv	450	comp	564	anot	785	Bleas pulv	985	quid
106	Alu comp	106	Bleas pulv	451	comp	565	anot	786	Bleas pulv	986	quid
107	Alu comp	107	Bleas pulv	452	comp	566					

REGIONAL RECORD	Sc	SE	ED	R294
SITE NAME Kilbagie	RECORDER J.M. Harris	WEATHER 40% cloud cover, generally sunny & warm with a slight breeze.		LANDFORM 1 2 3 4 ⑤ 6 7 A large cutting with minor flats by fence. Retaining wall built on W side.
M.P. 2 1/4	TIPPING Local, light & colonising	DATE 29.6.80	TIME 1320 → 1615	
COUNTY Central {Clackmannan}	N.L.U. Arable agriculture some rough grass & road			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	35	700	The major cover is grassland. Some of this is healthy <i>Deschampsia flexuosa</i> . The rest is <i>Festuca</i> & <i>Arrhenatherum</i> with large patches of rosebay. Thin scrub with clover overtopping it is found especially on the East side and near or beyond the pp. Nesting was noted in this latter area and it provided a useful refuge in a farming area. The site itself provides good feeding for many birds and gave shelter from the elements. The insect population appears high.	Birds (small)	2	3	3
1	3	20	700		Birds (large)	1	1	2
1	6	45	726		Mamm. (small)	2	2	2
6	8	—	703		Mamm. (large)	1	1	1
					Other verts.	2	2	2
					Lepidoptera	3	.	3
				Other insects	3	3	3	
				Other inverts.	3	3	3	

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Woodpigeon	2990	1	Rabbit	2	Small White butterfly <i>Geraea</i> sp Various Orthoptera Diptera	1 2 3 6
Swift	3270	1				
Swallow	3610	1				
Carion Crow	3681	1				
Great Tit	3790	1				
Blue Tit	3800	1				
long-tailed Tit	3880	1				
Blackbird (N)	4240	1				
Song Thrush (N)	4310	1				
Whitethroat	4610	1				
Pied Wagtail	5032	1				
Chaffinch	5550	1				
Yellowhammer	5580	1				
contd. over						
Oystercatcher	1820	1				
Plover	3700	1				
Trochilidae	3710	1				
Willow Warbler	4720	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Torryburn

Map Ref NTO3.86. Data bank ref

NCC Region South East Scotland County Fife (Dunfermline) Internal ref 8202

STATUS

Part of	Adjacent to	NNR	PNNR	LNR	SSSI	
---------	-------------	-----	------	-----	------	--

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Large long cutting noted from roads.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
Animals	Insects	Reptiles	<u>Birds</u>	Mammals	

Habitat) describe - Good combination of deciduous woodland, a variety of scrub types, coarse & fine grassland.
)
Geological)

RAILWAY REGION Scotland DIVISION South-eastern AREA Edinburgh

Address of Area Civil Engrs Office Mr. M.M. Farmer (D.C.E.)
Telephone number
Waverley Stn.
EDINBURGH.
Tel. No. 031 556 2477

Name of railway line Dunfermline -> Alloa via Culross & Kinross.

Access at A985 bridge over at NTO39861 Mileage post 11 1/4 -> 1/2

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref.

VISITS

Date	By whom	Assessment/Action
2nd July 1980	Dr. C.M. Sargent, J.M. Harris & J.O. Mountford.	A good conservation site in an area of quite intensive industry and agriculture. Has a valuable assortment of habitat, and a good species list with a number of local spp. On a quiet line where conservation measures could be easily implemented. * Should be noted by N.C.F. and notified to BR with a view to sympathetic management. Parts of the site can be coming overgrown & could be cleared. Further examination of other wooded cuttings in the area would be valuable.

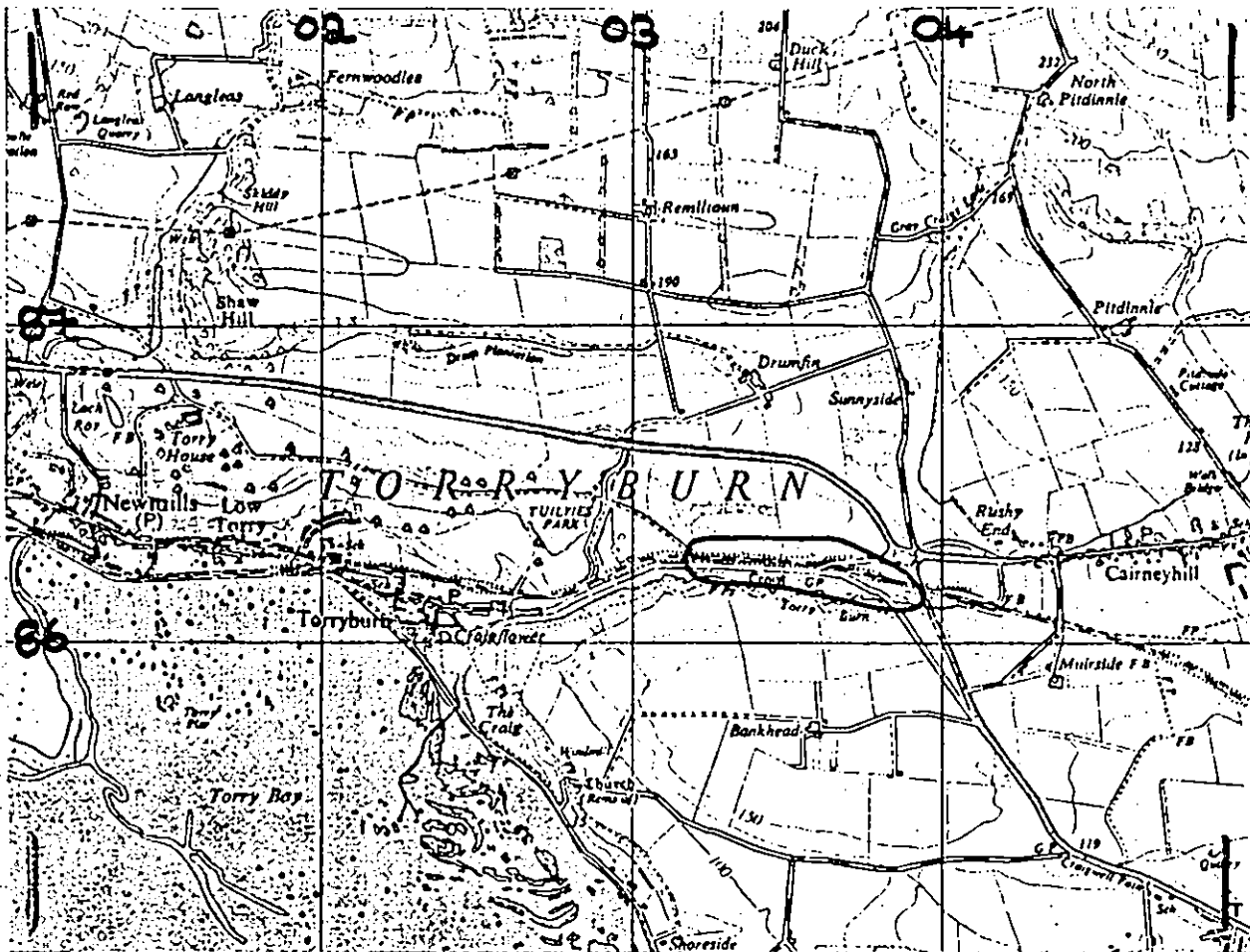
Continue overle

FILE OPENED BY ITE Monks Wood

DATE 27th Oct. 1980

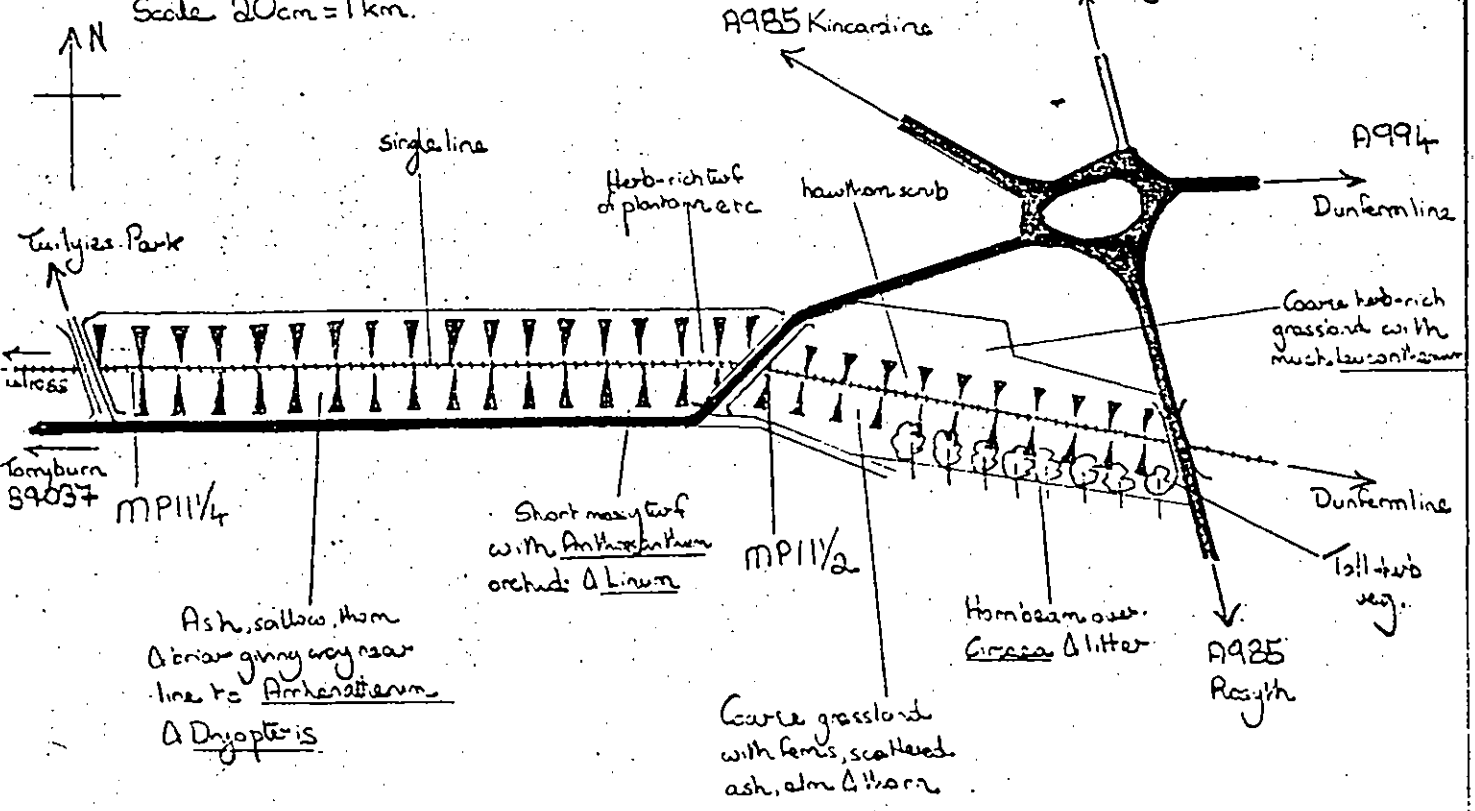
LOCATION STATUS

<u>Accurate</u>	Approximate
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SKETCH MAP

Scale 20cm = 1km.



Continue overleaf

SITE NAME Torryburn

CDB ref

(Section 3)
Internal ref B202

Altitude 90' → 130'

Local Geology Boulder Clay over Carboniferous: (Mithras Grt - Limestone Coal Group.

Neighbouring landuses Roads, arable agriculture & deciduous woodland

DIRECTION FROM ACCESS

N	E	W	S	E	W
---	---	----------	---	---	---

 or

BOTH

Dist from * access point	0 → 300m	0 → 300 400 → 700m	0 → 300m	300 → 400m	300 → 330m			
Side of track °	N	N	S	N	S			
Landform x	Flat	Cut.	Cut./Flat.	Cut.	Flat			
Aspect-degrees	-	190°	10°	190°	-			
Width-metres	15m.	12m.	15 [+20]	15m.	→ 5m.			
Disturbance +	-	Clear/Tip.	Clear/Tip.	loc. Tip.	Clear.			

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST Abouts 110 spp. with good species-rich turf & coarser grassland. The hombear belt is a good feature and Platanthera is rare in East Scotland with very few life records. Trisetum is rare north of the Forth and this is a notably big population. Rumex longifolius is local and more typical of the Gampian Region.

General vegn characteristics and habitat description indicate side of track

The cutting slopes west from the A935 bridge are covered in a mixture of dense Hawthorn scrub (partic. on the N side near the AP) open ash & elm scrub and coarse grassland of Amherstium with abundant ferns. Moehringia is frequent under the thorn, and patches of Trisetum grow in drier less shaded areas. Some areas of recently dumped ballast also occur especially near the B-road bridge where there are signs of recent scrub cutting. Where dumping has happened Cirsium and Amherstium colonise. The South side near MP 11 1/4 has dense scrub with more shallow briar by the fence and Rumex acetosa, Veronica chamaedrys, Viola and Holcus lanatus become common with a good deal of Alopecurus. In the far west rabbit grazing is locally evident [columns 2 & 3]. The slope on the N side immediately west of the B-road bridge has a low forb-rich turf of plantain, Pilosella, fescue Anthoxanthum, Fragaria, Linum, Lotus and Hieracium sp. There are some patches of bramble and briar and near the flat above best is locally co-dominant with clovers, Agaricaria & Rhinanthus [col. 4]. The broad flat near the roundabout has patches of Hawthorn with in a very herb-rich coarse grassland of fescue with Amherstium and Anthoxanthum, plus abundant leucanthemum, leguminosae, and Stellaria graminea. Bramble & meadow-sweet are locally dominant. [column 5]. The flat on the S side has a belt of Hawthorn along by the fence producing a dense shade and excluding all but patchy Circaea & some rather over-tolerant. The ridge near the line has typical coarse grassland but toward the AP a tall-herb vegetation of Crucifera, raspberry, raspberry and Veronica chamaedrys near ash and oak has developed. The scrub edge to the west has Platanthera with more Crucifera & meadow-sweet [column 3]. Finally the narrow flat by the B9037 west of the bridge has linum and Dactylorhiza in a turf of Alysioides, Anthoxanthum, Hypochaeris, Lotus, lyrula & Trifolium spp. [column 5]. Scattered tall trees occur nearing MP 11 1/4 and there a number of drainage gips.

PREFERRED MANAGEMENT Some scrub-clearance & mowing/grazing of the grassland is needed to retain the diversity and improve the grassland.

EVIDENCE-OF MANAGEMENT. Close entries by date and recorder's initials. Clearance of ash has occurred by the B9037 bridge & there is some local ballast & soil development all along. The western end shows rabbit grazing.

form 2.7.80

Additional Species
NAME
CODE

001	Acacu mult	0874	viri	185	myur	460	Pleu acum	681	Adel	790	Leio	883	leav
002	Acro cord	0875	argr	186	siri	461	subu	682	Anas orca	791	bant	884	plau
003	Acro cusp	0876	scru	187	piri	462	pleu squa	683	Anas doni	792	muel	885	plai
004	Acro giga	0877	subu	188	lept rupa	463	pleu tchr	684	Anas julia	793	turb	886	thay
005	Acro harr	0878	viri	189	lept rupa	464	Pohl acum	685	Anth huan	794	cavi	887	quid
006	Acro sira	0879	agil	190	lept rupa	465	pleu acum	686	Anth huan	795	lefo	888	thay
007	Acro sira	0880	agil	191	lept rupa	466	annol	687	Anth huan	796	lefo	889	quid
008	Acro sira	0881	agil	192	lept rupa	467	annol	688	Anth huan	797	lefo	890	quid
009	Acro sira	0882	agil	193	lept rupa	468	annol	689	Anth huan	798	lefo	891	quid
010	Acro sira	0883	agil	194	lept rupa	469	annol	690	Anth huan	799	lefo	892	quid
011	Acro sira	0884	agil	195	lept rupa	470	annol	691	Anth huan	800	lefo	893	quid
012	Acro sira	0885	agil	196	lept rupa	471	annol	692	Anth huan	801	lefo	894	quid
013	Acro sira	0886	agil	197	lept rupa	472	annol	693	Anth huan	802	lefo	895	quid
014	Acro sira	0887	agil	198	lept rupa	473	annol	694	Anth huan	803	lefo	896	quid
015	Acro sira	0888	agil	199	lept rupa	474	annol	695	Anth huan	804	lefo	897	quid
016	Acro sira	0889	agil	200	lept rupa	475	annol	696	Anth huan	805	lefo	898	quid
017	Acro sira	0890	agil	201	lept rupa	476	annol	697	Anth huan	806	lefo	899	quid
018	Acro sira	0891	agil	202	lept rupa	477	annol	698	Anth huan	807	lefo	900	quid
019	Acro sira	0892	agil	203	lept rupa	478	annol	699	Anth huan	808	lefo	901	quid
020	Acro sira	0893	agil	204	lept rupa	479	annol	700	Anth huan	809	lefo	902	quid
021	Acro sira	0894	agil	205	lept rupa	480	annol	701	Anth huan	810	lefo	903	quid
022	Acro sira	0895	agil	206	lept rupa	481	annol	702	Anth huan	811	lefo	904	quid
023	Acro sira	0896	agil	207	lept rupa	482	annol	703	Anth huan	812	lefo	905	quid
024	Acro sira	0897	agil	208	lept rupa	483	annol	704	Anth huan	813	lefo	906	quid
025	Acro sira	0898	agil	209	lept rupa	484	annol	705	Anth huan	814	lefo	907	quid
026	Acro sira	0899	agil	210	lept rupa	485	annol	706	Anth huan	815	lefo	908	quid
027	Acro sira	0900	agil	211	lept rupa	486	annol	707	Anth huan	816	lefo	909	quid
028	Acro sira	0901	agil	212	lept rupa	487	annol	708	Anth huan	817	lefo	910	quid
029	Acro sira	0902	agil	213	lept rupa	488	annol	709	Anth huan	818	lefo	911	quid
030	Acro sira	0903	agil	214	lept rupa	489	annol	710	Anth huan	819	lefo	912	quid
031	Acro sira	0904	agil	215	lept rupa	490	annol	711	Anth huan	820	lefo	913	quid
032	Acro sira	0905	agil	216	lept rupa	491	annol	712	Anth huan	821	lefo	914	quid
033	Acro sira	0906	agil	217	lept rupa	492	annol	713	Anth huan	822	lefo	915	quid
034	Acro sira	0907	agil	218	lept rupa	493	annol	714	Anth huan	823	lefo	916	quid
035	Acro sira	0908	agil	219	lept rupa	494	annol	715	Anth huan	824	lefo	917	quid
036	Acro sira	0909	agil	220	lept rupa	495	annol	716	Anth huan	825	lefo	918	quid
037	Acro sira	0910	agil	221	lept rupa	496	annol	717	Anth huan	826	lefo	919	quid
038	Acro sira	0911	agil	222	lept rupa	497	annol	718	Anth huan	827	lefo	920	quid
039	Acro sira	0912	agil	223	lept rupa	498	annol	719	Anth huan	828	lefo	921	quid
040	Acro sira	0913	agil	224	lept rupa	499	annol	720	Anth huan	829	lefo	922	quid
041	Acro sira	0914	agil	225	lept rupa	500	annol	721	Anth huan	830	lefo	923	quid
042	Acro sira	0915	agil	226	lept rupa	501	annol	722	Anth huan	831	lefo	924	quid
043	Acro sira	0916	agil	227	lept rupa	502	annol	723	Anth huan	832	lefo	925	quid
044	Acro sira	0917	agil	228	lept rupa	503	annol	724	Anth huan	833	lefo	926	quid
045	Acro sira	0918	agil	229	lept rupa	504	annol	725	Anth huan	834	lefo	927	quid
046	Acro sira	0919	agil	230	lept rupa	505	annol	726	Anth huan	835	lefo	928	quid
047	Acro sira	0920	agil	231	lept rupa	506	annol	727	Anth huan	836	lefo	929	quid
048	Acro sira	0921	agil	232	lept rupa	507	annol	728	Anth huan	837	lefo	930	quid
049	Acro sira	0922	agil	233	lept rupa	508	annol	729	Anth huan	838	lefo	931	quid
050	Acro sira	0923	agil	234	lept rupa	509	annol	730	Anth huan	839	lefo	932	quid
051	Acro sira	0924	agil	235	lept rupa	510	annol	731	Anth huan	840	lefo	933	quid
052	Acro sira	0925	agil	236	lept rupa	511	annol	732	Anth huan	841	lefo	934	quid
053	Acro sira	0926	agil	237	lept rupa	512	annol	733	Anth huan	842	lefo	935	quid
054	Acro sira	0927	agil	238	lept rupa	513	annol	734	Anth huan	843	lefo	936	quid
055	Acro sira	0928	agil	239	lept rupa	514	annol	735	Anth huan	844	lefo	937	quid
056	Acro sira	0929	agil	240	lept rupa	515	annol	736	Anth huan	845	lefo	938	quid
057	Acro sira	0930	agil	241	lept rupa	516	annol	737	Anth huan	846	lefo	939	quid
058	Acro sira	0931	agil	242	lept rupa	517	annol	738	Anth huan	847	lefo	940	quid
059	Acro sira	0932	agil	243	lept rupa	518	annol	739	Anth huan	848	lefo	941	quid
060	Acro sira	0933	agil	244	lept rupa	519	annol	740	Anth huan	849	lefo	942	quid
061	Acro sira	0934	agil	245	lept rupa	520	annol	741	Anth huan	850	lefo	943	quid
062	Acro sira	0935	agil	246	lept rupa	521	annol	742	Anth huan	851	lefo	944	quid
063	Acro sira	0936	agil	247	lept rupa	522	annol	743	Anth huan	852	lefo	945	quid
064	Acro sira	0937	agil	248	lept rupa	523	annol	744	Anth huan	853	lefo	946	quid
065	Acro sira	0938	agil	249	lept rupa	524	annol	745	Anth huan	854	lefo	947	quid
066	Acro sira	0939	agil	250	lept rupa	525	annol	746	Anth huan	855	lefo	948	quid
067	Acro sira	0940	agil	251	lept rupa	526	annol	747	Anth huan	856	lefo	949	quid
068	Acro sira	0941	agil	252	lept rupa	527	annol	748	Anth huan	857	lefo	950	quid
069	Acro sira	0942	agil	253	lept rupa	528	annol	749	Anth huan	858	lefo	951	quid
070	Acro sira	0943	agil	254	lept rupa	529	annol	750	Anth huan	859	lefo	952	quid
071	Acro sira	0944	agil	255	lept rupa	530	annol	751	Anth huan	860	lefo	953	quid
072	Acro sira	0945	agil	256	lept rupa	531	annol	752	Anth huan	861	lefo	954	quid
073	Acro sira	0946	agil	257	lept rupa	532	annol	753	Anth huan	862	lefo	955	quid
074	Acro sira	0947	agil	258	lept rupa	533	annol	754	Anth huan	863	lefo	956	quid
075	Acro sira	0948	agil	259	lept rupa	534	annol	755	Anth huan	864	lefo	957	quid
076	Acro sira	0949	agil	260	lept rupa	535	annol	756	Anth huan	865	lefo	958	quid
077	Acro sira	0950	agil	261	lept rupa	536	annol	757	Anth huan	866	lefo	959	quid
078	Acro sira	0951	agil	262	lept rupa	537	annol	758	Anth huan	867	lefo	960	quid
079	Acro sira	0952	agil	263	lept rupa	538	annol	759	Anth huan	868	lefo	961	quid
080	Acro sira	0953	agil	264	lept rupa	539	annol	760	Anth huan	869	lefo	962	quid
081	Acro sira	0954	agil	265	lept rupa	540	annol	761	Anth huan	870	lefo	963	quid
082	Acro sira	0955	agil	266	lept rupa	541	annol	762	Anth huan	871	lefo	964	quid
083	Acro sira	0956	agil	267	lept rupa	542	annol	763	Anth huan	872	lefo	965	quid
084	Acro sira	0957	agil	268	lept rupa	543	annol	764	Anth huan	873	lefo	966	quid
085	Acro sira	0958	agil	269	lept rupa	544	annol	765	Anth huan	874	lefo	967	quid
086	Acro sira	0959	agil	270	lept rupa	545	annol	766	Anth huan	875	lefo	968	quid
087	Acro sira	0960	agil	271	lept rupa	546	annol	767	Anth huan	876	lefo	969	quid
088	Acro sira	0961	agil	272	lept rupa	547	annol	768	Anth huan	877	lefo	970	quid
089	Acro sira	0962	agil	273	lept rupa	548	annol	769	Anth huan	878	lefo	971	quid
090	Acro sira	0963	agil	274	lept rupa	549	annol	770	Anth huan	879	lefo	972	quid
091	Acro sira	0964	agil	275	lept rupa	550	annol	771	Anth huan	880	lefo	973	quid
092	Acro sira	0965	agil	276	lept rupa	551	annol	772	Anth huan	881	lefo	974	quid
093	Acro sira	0966	agil	277	lept rupa	552	annol	773	Anth huan	882	lefo	975	quid
094	Acro sira	0967	agil	278	lept rupa	553	annol	774	Anth huan	883	lefo	976	quid
095	Acro sira	0968	agil	279	lept rupa	554	annol	775	Anth huan	884	lefo	977	quid
096	Acro sira	0969	agil	280	lept rupa	555	annol	776	Anth huan	885	lefo	978	quid
097	Acro sira	0970	agil	281	lept rupa	556	annol	777	Anth huan	886	lefo	979	quid
098	Acro sira	0971	agil	282	lept rupa	557	annol	778	Anth huan	887	lefo	980	quid
099	Acro sira	0972	agil	283	lept rupa	558	annol	779	Anth huan	888	lefo	981	quid
100	Acro sira	0973	agil	284	lept rupa	559	annol	780	Anth huan	889	lefo	982	quid
101	Acro sira	0974	agil	285	lept rupa	560	annol	781	Anth huan	890	lefo	983	quid
102	Acro sira	0975</											

ANIMAL RECORD	REGN. Sc	DIVN. SE	AREA ED	SITE B202
SITE NAME Torryburn	RECORDER J.M. Harris	WEATHER Overcast - cloud cover complete. Very slight breeze but quite warm		LANDFORM 1 2 3 4 ⑤ 6 7 A medium sized cutting with very broad flats above near the access point and much narrower ones west of the B-road bridge.
M.P. 11 1/4 → 3/4	TIPPING locally heavy in process of recolor.	DATE 2.7.80	TIME 0950 → 1130	
COUNTY Fife (Dunfermline)	N.L.U. Roads, cereal farming and decid. wood			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	0	15	700	Flats above cutting near AP have hornbeam woodlands, tall herb vegetation patchy than thickets and some herb-rich grassland. The cutting slopes have hawthorn scrub with ash & large areas of coarse grassland with ferns. Some rich turf occurs just W. of B-road bridge. There is a good variety of cover and feeding and the site is sheltered and comparatively undisturbed. Some scrub-cutting has occurred near the track but it remains unmanaged otherwise.	Birds (small)	3	4	4
0	5	50	726		Birds (large)	2	2	2
1	1	5	700		Mamm. (small)	3	3	3
1	6	30	700		Mamm. (large)	2	2	2
					Other verte.	.	2	2
					Lepidoptera	3	.	3
					Other insects	4	4	4
					Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Willow Warbler (N)	4720	2	Rabbit	2	<u>Trichoniscus pusillus</u>	1
Chaffinch	5530	1			<u>Lanyctes fulvicornis</u>	1
Blackbird (N)	4240	2			<u>Tachypodius niger</u>	1
Whitethroat	4610	2			<u>Oligoleptus nardin</u>	1
Swallow	3610	1			<u>Erigone dentipalpis</u>	1
House Sparrow (N)	5250	1			<u>Bembidion lampros</u>	1
Yellowhammer	5580	1			<u>Bredycellus verbasci</u>	1
Blue Tit	3800	1			<u>Myrmica ruginodis</u>	1
Woodpigeon	2990	1			<u>plus various Diptera.</u>	4
Greenfinch	5330	1				
Robin (N)	4000	1				
Duncock	4900	1				
Common Crow	3681	1				
Black-headed Gull	2630	1				
Heron	0390	1				
contd. over	15		contd. over		contd. over	
Skyjark	3570	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Kinghorn Coast

Map Ref NT27.87. Data bank ref

NCC Region South-east Scotland County Fife (Kirkcaldy)

Internal ref 8203

STATUS

Part of	<u>Adjacent to</u>	NNR	PNNR	INR	<u>SSSI</u>	<u>geological</u>
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) -

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Good variety of low and rank, calcareous & calcifuge grassland
Geological) - Adjacent to fine foreshore section of the Calciferous Sandstone series. Interbedded with lavas & tuffs.

RAILWAY REGION Scottish DIVISION South-eastern AREA Edinburgh

Address of Area Civil Engrs Office Mr. M.M. Farmer (DCE)
Telephone number Waverley Str
EDINBURGH
Tel. No. 031 556 2477

Name of railway line Edinburgh -> Kirkcaldy

Access at NT272871 through caravan site

Mileage post 23 -> 23 1/2

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref.

VISITS

Date	By whom	Assessment/Action
<u>2nd July 1980</u>	<u>Dr. C.M. Sargent, J.M. Harris & J.O. Mountford</u>	<u>Extensive protected rich coastal grasslands with some rare & characteristic species. Adds to the conservation value of the coastal SSSI. The cliffs adjacent did not appear to have anything like as much good grasslands and inland housing & caravans have obliterated the natural vegetation.</u> <u>* The coastal lines often produce refuges for plants excluded by development or tourist pressure from the shore and all such sites especially where large cutting slopes occur ought to be examined. This is not outstanding but is rich and varied. Some agreement with BR to prevent broad-scale spraying and allow for some mowing is desirable.</u>

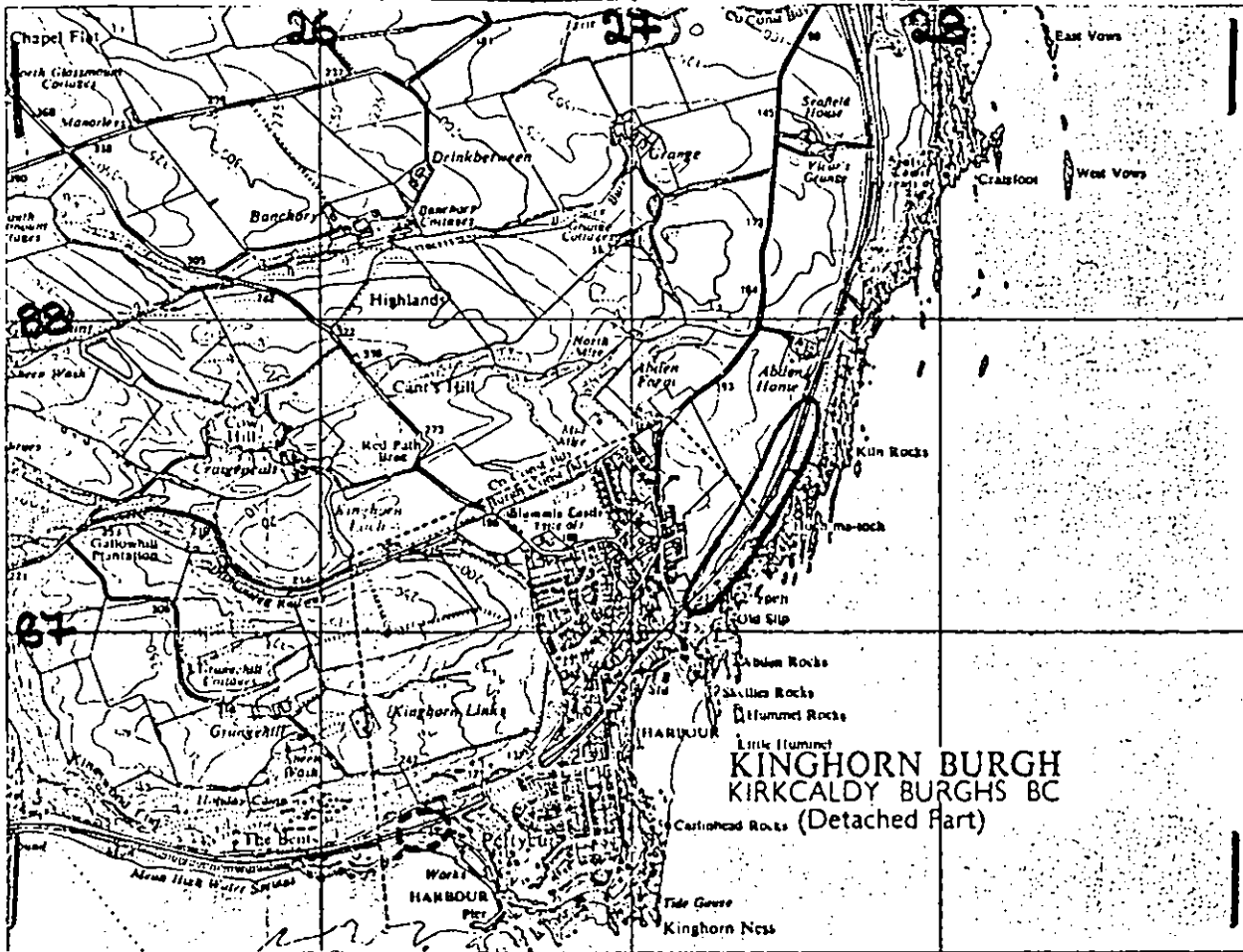
Continue overleaf

FILE OPENED BY ITE Marks Wood

DATE 27th Oct. 1980

LOCATION STATUS

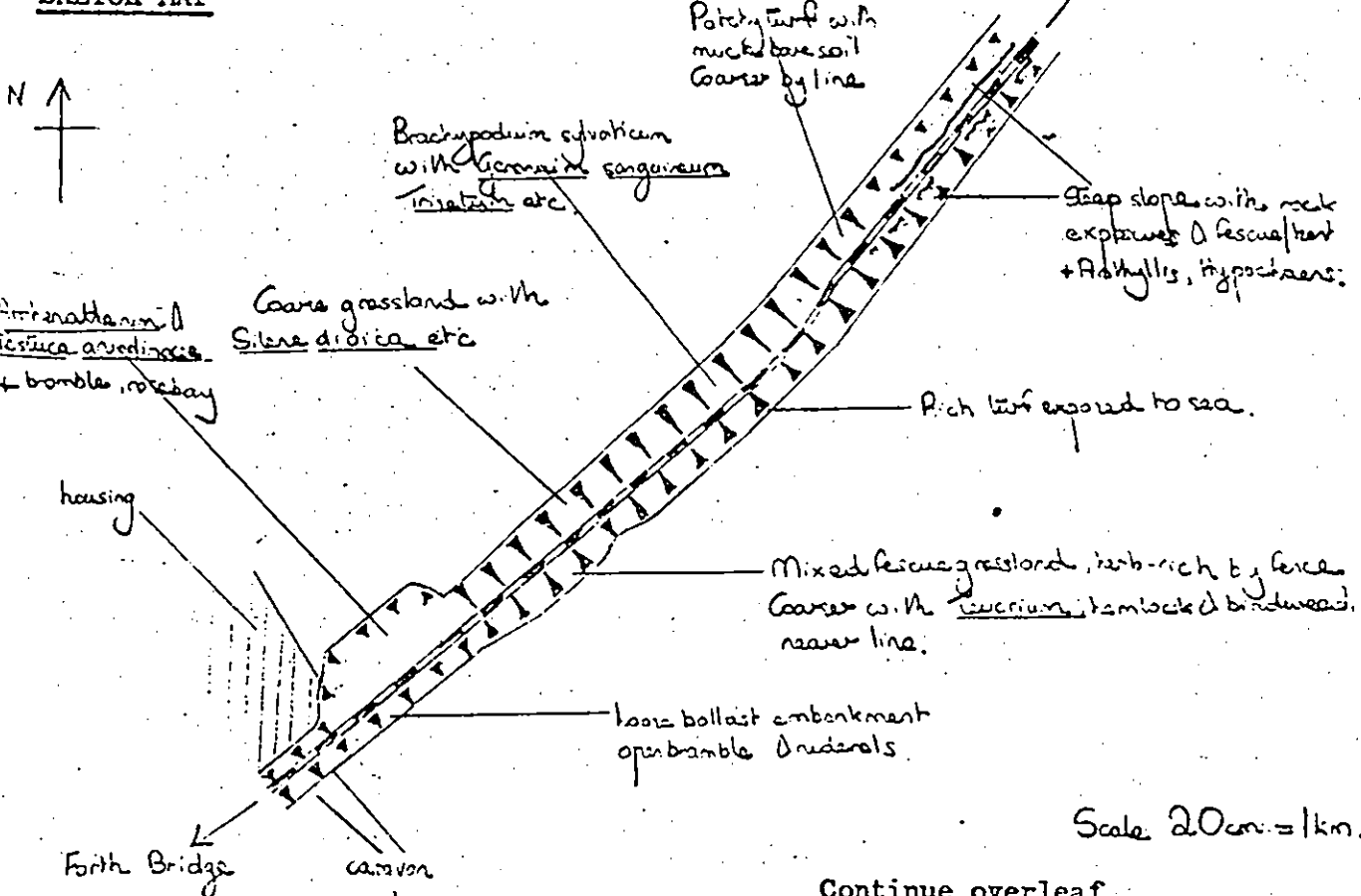
Accurate	Approximate
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○ = 8203

⊞ = R298

SKETCH MAP



Scale 20cm = 1km.

Continue overleaf

SITE NAME Kinghorn Coast

CDB ref

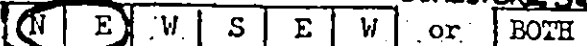
(Section 3) Internal ref 8203

Altitude 70' → 100'

Local Geology Mainly drift-free, some boulder clay inland. In ground Extensive (Carboniferous) Microporphyratic dolomite - basalt of Dalmeny & Millhouse types. Several bands of limestone & lower Carboniferous Calciferous Sandstone Series cross the track.

Neighbouring landuses Coastal, canals & housing

DIRECTION FROM ACCESS



Dist from * access point	0 → 150m	50 → 150m	150 → 400m	150 → 500m	400 → 700m	500 → 700m		
Side of track °	SE	NW	SE	NW	SE	NW		
Landform x	Emb.	Flat + Cut	C. (Cut.)	C. (Cut.)	C. (Cut.)	C. (Cut.)		
Aspect-degrees	130°	130°	310°	130°	300°	120°		
Width-metres	→ 10m	15 + 10m	→ 12m	→ 20m	→ 12m	→ 18m		
Disturbance +	S. Tipp.	—	—	—	—	—		

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

120 spp. with a large number of plants characteristic of base-rich soil that are local in Scotland. *Geranium sanguineum* present in good numbers with *Tritium*, *Festuca arundinacea*, *Helictotrichon pratense*, *Haliothamnum*, *Primula veris*, *Pimpinella saxifraga*, *Trifolium arvense* & *Pteris aquilina*. Many less predominantly coastal in Scotland. *Festuca ovina* a rare clear hue. *Hieracium severicaps?*

General veg characteristics and habitat description indicate side of track

The SW end of the site is more disturbed than the rest and has on the SE side a low embankment of loose ballast, cinder & soil with a low retaining wall by the line and a fence at the bottom. It is covered in open bramble and briar with many ruderal species e.g. *Sonchus* and *Sisymbrium*, plus patches of tall *Arrhenatherum*. A similar but much shorter embankment occurs to the NE. [column 1]. There is a low floriferous cutting on the NW side by the AP which diverges from the line to leave a broad flat covered in *Arrhenatherum* and *Festuca arundinacea*, bramble and rosebay. *Myrica* is locally common and there are a few sycamore and elder bushes. The cutting slope to the fence is similar [column 2]. Most of the remainder is herb-rich dry grassland. Coarser grassland of *Arrhenatherum* with patches of *Brachypodium* is found near the line on the SE side with *Leucium*, briar, *Conium* & *Convolvulus*. Some areas are also species-rich with *Festuca* & *Tritium* but this type is more common on the other bank. Near the top of the slope and on the flat by the fence is a low herb-esp-rich fescue turf with *Holcus*, *Poa*, *Praxos* and *Anthoxanthum* in lower parts. *Polygonum*, *Plantago*, *Thymus*, *Ornithoglossum*, *Crepis capillaris*, *Cynosurus*, *Galium verum* & *Helictotrichon pratense* are common in this sward often with bents. [column 3]. The opposite NW bank is generally coarser but richer in forbs with much *Silene dioica*, rosebay, bramble and briar. There are large areas of *Brachypodium* often with abundant *Geranium sanguineum*, *Tritium*, *Achillea*, *Lotus* and *Plantago*. Where the soil is exposed *Air-cannophylla*, *Trifolium arvense* and *Galium verum* are common. This vegetation becomes more extensive in the NE with *Koeleria*, fescue & plantain as tufts in an open community on rather bare soil slopes. Some rock exposures are found locally but are generally more recent than those described below. Near the line the enriched soil supports *Conium*, rabbit, rosebay & *Leucanthemum* [column 4]. The N end of the site has numerous rock exposures and a low patchy turf of fescue and bent with *Anthyllus*, *Hypochaeris*, *Solidago*, *Rumex acetosella* and *Anthoxanthum*. The two sides are essentially similar [columns 5 & 6]. These slopes are steep with angles around 60°.

PREFERRED MANAGEMENT

The exposure to the sea may remove the need for much management but some mowing or possibly burning and grazing would help spread the low richer turf.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

None except ballasting or embankment.

Jan 27.80.

ANIMAL RECORD	REGN. Sc	DIVN. SE	AREA ED	SITE 8203	
SITE NAME Kingham Coast	RECORDER J.M. Harris	WEATHER Bright & warm with a moderate breeze off the sea. 70% cloud cover.		LANDFORM 1 2 3 4 5 6 7 Generally a two-sided cutting running just above the line of cliffs but occasionally with a low embankment on the seaward side. Narrow flats by the fences & a broad in SW.	
N.P. 23 → 23 1/2	TIPPING In for SW. locally heavy	N.L.U. Coastal, cereals & housing	DATE 2.7.80	TIME 1535 → 1700	
COUNTY Fife (Kirkcaldy)					

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FR	FC	R
0	5	5	700	Mainly coarse herb-rich grassland with some scattered low scrub especially near Abden Home. The soil is locally very shallow & has or was exposed to sea. The grassland is much lower. Near the north end there are rock exposures near the PCW & some stony open turf. Finally near the AP is a ballast & soil covered embankment & a colonised rough flat. Good variety of food plants for insects but too exposed for much bird value.	Birds (small)	3	2	2
1	1	20	700		Birds (large)	1	3	1
1	6	60	700		Mamm. (small)	2	2	2
4	3	10	700		Mamm. (large)	1	1	1
4	8	5	703		Other verts.	-	3	3
					Lepidoptera	3	-	3
					Other insects	2	2	2
					Other inverts.	2	2	2

SPECIES-LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Herring Gull	2560	1			Small White butterfly	1
Lesser Black-backed Gull	2570	1			Small Tortoiseshell ..	1
Black-headed Gull	2630	1			Meadow Brown ..	1
Rock	3700	2				
House Sparrow	5250	2				
Fulmar	0160	1				
Linnet	5370	2				
Meadow Pipit	4930	2				
Kestrel	1480	1				
Corrion Crow	3681	1				
Blackbird	4240	1				
Duncock	4900	1				
Arctic Skua	2510	1				
contd. over			contd. over		contd. over	
Skylark	3570	1				
Whitethroat	4610	1				
Swallow	3610	1				
Green Finch	5330	1				
Cormorant	0350	1				
Common Tern	2750	3				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Carpow

Map Ref NO208173 Data bank ref

NCC Region South-east Scotland County Tayside [Perth & Kinross] Internal ref R300

STATUS

Part of	Adjacent to	MNR	PNNR	INR	SSSI
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - Mosaic of damp and dry grassland and scrub.
)
Geological)

RAILWAY REGION Scottish DIVISION South-eastern AREA Edinburgh

Address of Area Civil Engrs Office Mr. M.M. Farmer (D.C.E.)

Telephone number

Waverley Str.
EDINBURGH

Tel. No. 031-556.2477

Name of railway line Perth -> Kirkcaldy

Access at Farm lane bridge over at NO207172

Mileage post 9

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref

VISITS

Date	By whom	Assessment/Action
<u>3rd July 1980</u>	<u>Dr. C.M. Sargent,</u> <u>J.M. Harris &</u> <u>J.O. Mountford</u>	<u>Chiefly valuable because of its size, diversity and shelter. There is little special in the lists but the overall variety and its position along the mainly agricultural south side of the Tay make it a useful site.</u> <u>* Note and examine other cuttings along this line, which may well have something better. No need to notify BR on the strength of this stretch. Assess in the local context.</u>

Continue over 1.

FILE OPENED BY ITE Monks Wood

DATE 2nd Dec 1980

SITE NAME Carpow

CDB ref

Internal ref R300

Altitude 140' → 175'

Local Geology Upper Old Red Sandstone

Neighbouring Landuses Arable agriculture.

DIRECTION FROM ACCESS

N	E	W	S	E	W	or	BOTH
---	----------	---	---	---	---	----	------

Dist from * access point	0 → 300m.	0 → 300m.	0 → 300m.	0 → 300m.	0 → 300m.			
Side of track °	S.	N	N	N	N			
Landform x	Cut.	Flat	Wall	Cut.	Flat			
Aspect-degrees	350°	—	170°	170°	—			
Width-metres	→20m.	→3m.	1.2m.	11m.	2m.			
Disturbance +	loc. Fire.	Spray	—	—	—			

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST Agreed number of plants at the N. edge of their range & very rare in the region: *Trisetum, Carduus crispus, Chaenanthium, Clinopodium, Daucus, A. listera, Knautia* is common and *Dactylorhiza* is a frequent but interesting sp.

General vegn characteristics and habitat description indicate side of track

The south side has a bare stone retaining wall along the bottom edge. The side slope above is generally damp but diverse. In the cut — herb-rich fescue / Poa grassland occurs over a thick continuous panocypis moss carpet. Spurge and Luzula are common. Rumex and holothorn occur on the upper slope. Further the cover is coarser with fern, rosebay, thistle, bramble & Amherstherum. Patches of rattle and bramble are common and ash scrub is invading on the upper slope. Moss is here less common and fewer spp occur. The slope levels out above and Amherstherum grass with horse tail & more rattle / bramble [col. 1].

The north side has an old track bed by the line now completely colonized with Amherstherum, fescue & rosebay plus local birch and sallow. Chaenanthium occurs here [column 2]. The retaining wall behind is well colonized by mosses notably Isotachium & Hypnum plus some festooning bramble [column 3].

The cutting slope above is mainly coarse dry grassland of Amherstherum fescue with Silene vulgaris, rosebay and Centaurea nigra all locally abundant. Knautia is q. common. Dense briar thickets are common with bramble and holothorn, plus Epilobium montanum. Mosses are rare or absent & the scrub lower [column 4]. The narrow flat above is generally similar but has more tent, Dactylis & Anthriscus among the Amherstherum fescue and proportionately more scrub [column 5]. The population of Listera is very large on the S. side and in local rich marshy areas Dactylorhiza is common.

PREFERRED MANAGEMENT Some mowing of the grassland could help diversify the site & prevent undue scrub encroachment.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials. Burning had occurred locally on the S. side and the area by the fence showed signs of being cut back by the NL owners. Spray symptoms were marked on the old track bed.

3.7.80 Jom.



Additional Species	CODE	NAME
<i>Fragaria Xononassa</i>	836	
<i>Rubus idaeus</i>	1729	
<i>Rumex acetosella</i> s.s.	1736	
<i>Salix churea</i> olaf.	1786	
<i>Hieracium</i> sp.	1828	

CRASSES	REP	STO	ten	car	pin	myo	PRC	edo	ARRIE	ELA	PLN	med	LRF	mod	ram	ver	epi	GLO	max	LAN	mod	mur	sec	enl	mul	PRK	uni	eff	car	an	PRC	com	ANN	com	PRC	TRK	bio	myu	MOODY-CLINDERY	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																										
932 Hedra	996 Iridium	1033 Ilex	1080 Junip	1144 Ligus	1188 Lunik	1210 Albus	1434 Nons	1555 Pomol	1611 Prunu	1614	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000

ANIMAL RECORD	REGN. Sc	DIVN. SE	AREA ED	SITE R300
SITE NAME Carpow	RECORDER J.M. Harris	WEATHER 100% cloud cover - heavy Slight breeze - mild to q. warm.		LANDFORM ① ② 3 4 5 6 7 Mainly a cutting with retaining walls below. Old track bed on N. side and flat above.
M.P. 9	TIPPING Generally light, mainly colonized	N.L.U. Arable agriculture	DATE 3.7.80	TIME 1245 → 1515
COUNTY [Sayside Perth & Kinross]				

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	60	loc. 7H	Large grassland cutting. South side	Birds (small)	2	2	2
1	6	30	700	damp and mossy with ash encroaching.	Birds (large)	1	1	1
6	5	5	#700	North side dry with bracken thickets.	Mamm. (small)	2	2	2
6	8	5	700	Retaining wall base on S. side, colonized	Mamm. (large)	1	1	1
			#745	on N. Spray effects noted on old track beds. Diverse structure. Good plant list on cutting in arable area make this a good animal site. It has nothing outstanding but it complements the N. well, providing variety of food source.	Other verts.	.	2	2
					Lepidoptera	2	.	2
					Other insects	2	2	2
					Other inverts.			

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Willow Warbler (N)	4720	2			Parus sp.	
Yellowhammer	5580	2			Coprophagidae	
Whitethroat	4610	1			Cathartid beetle	
Goldfinch	5350	1			Various:	
Chaffinch	5550	1			Diptera	
Pied Wagtail	5032	1			Colletes	
Swallow	3610	2				
Song Thrush	4310	1				
contd. over			contd. over		contd. over	
Blackbird	4240	1				
Robin	4000	1				
Wren	3980	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Scarb

Map Ref NS372669 Data bank ref

NCC Region South-west Scotland County Strathclyde (Renfrew) Internal ref R307

STATUS

Part of	Adjacent to	NNR	PNNR	INR	SSSI
---------	-------------	-----	------	-----	------

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Sunny Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - Rock cutting, scrub, mixed calcifuge grasslands, coarse veg.
)
Geological)

RAILWAY REGION Scottish DIVISION Glasgow AREA South

Address of Area Civil Engrs Office Mr. J.H. Picken (D.C.E.)

Telephone number

Blythwood Ho.
GLASGOW

Tel. No. 041-332.9811

Name of railway line Kilmacalm branch (from Paisley)

Access at Farm lane bridge over at NS372669

Mileage post 24

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Re

VISITS

Date	By whom	Assessment/Action
<u>23rd July 1980</u>	<u>Dr. C.M. Sargent, D. Sargent & J.O. Mountford.</u>	<u>The railway provides a good area of rich acid vegetation with rock exposures and scrub in a mainly agricultural area. Some entomology occurs on the NL but otherwise BR have a good sample of most of the local vegetation types. Not outstanding but a useful refuge.</u> <u>* Note & survey any other local cuttings of reasonable size.</u>

Continue over

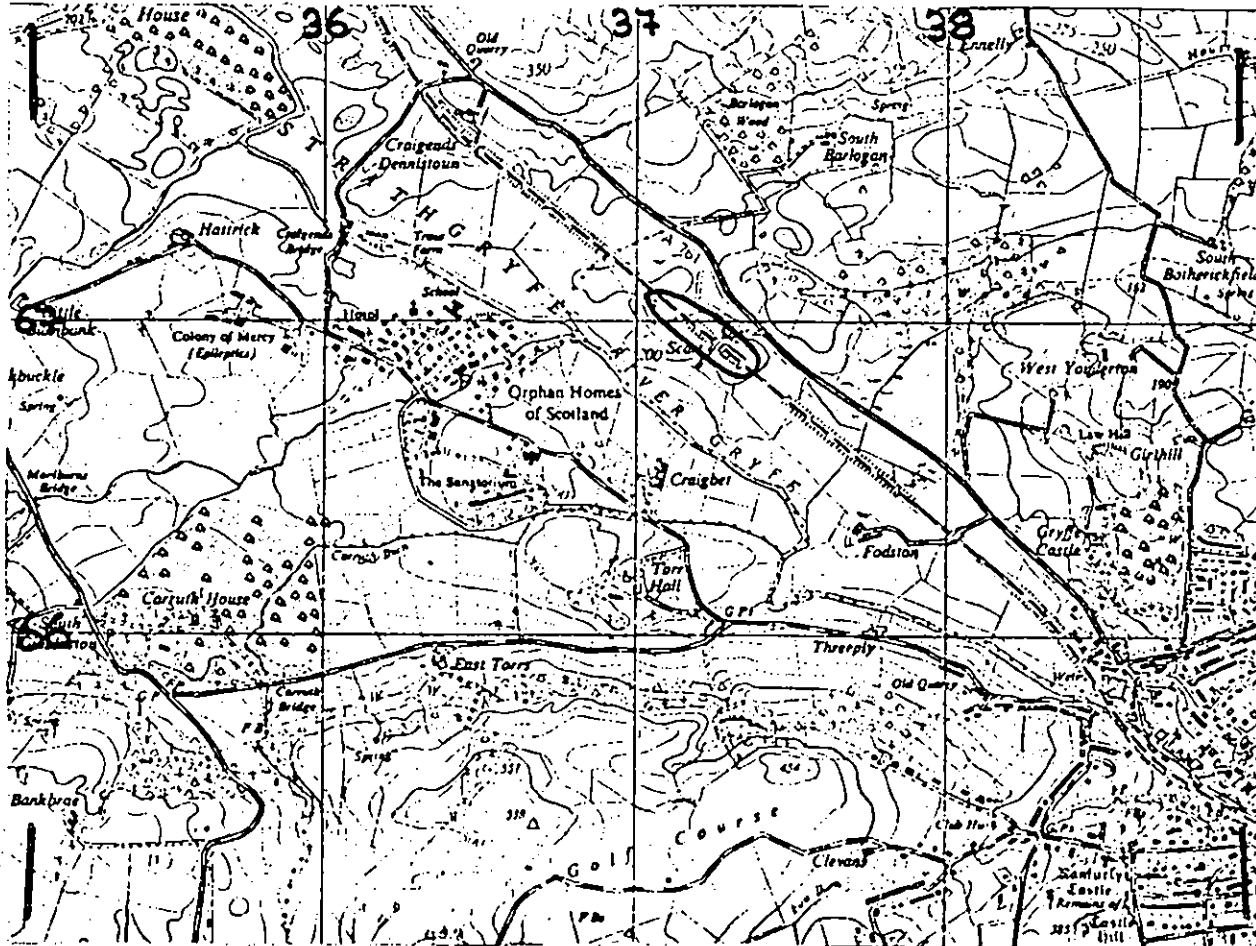
FILE OPENED BY ITE Monte Wood

DATE 5th Jan 1981

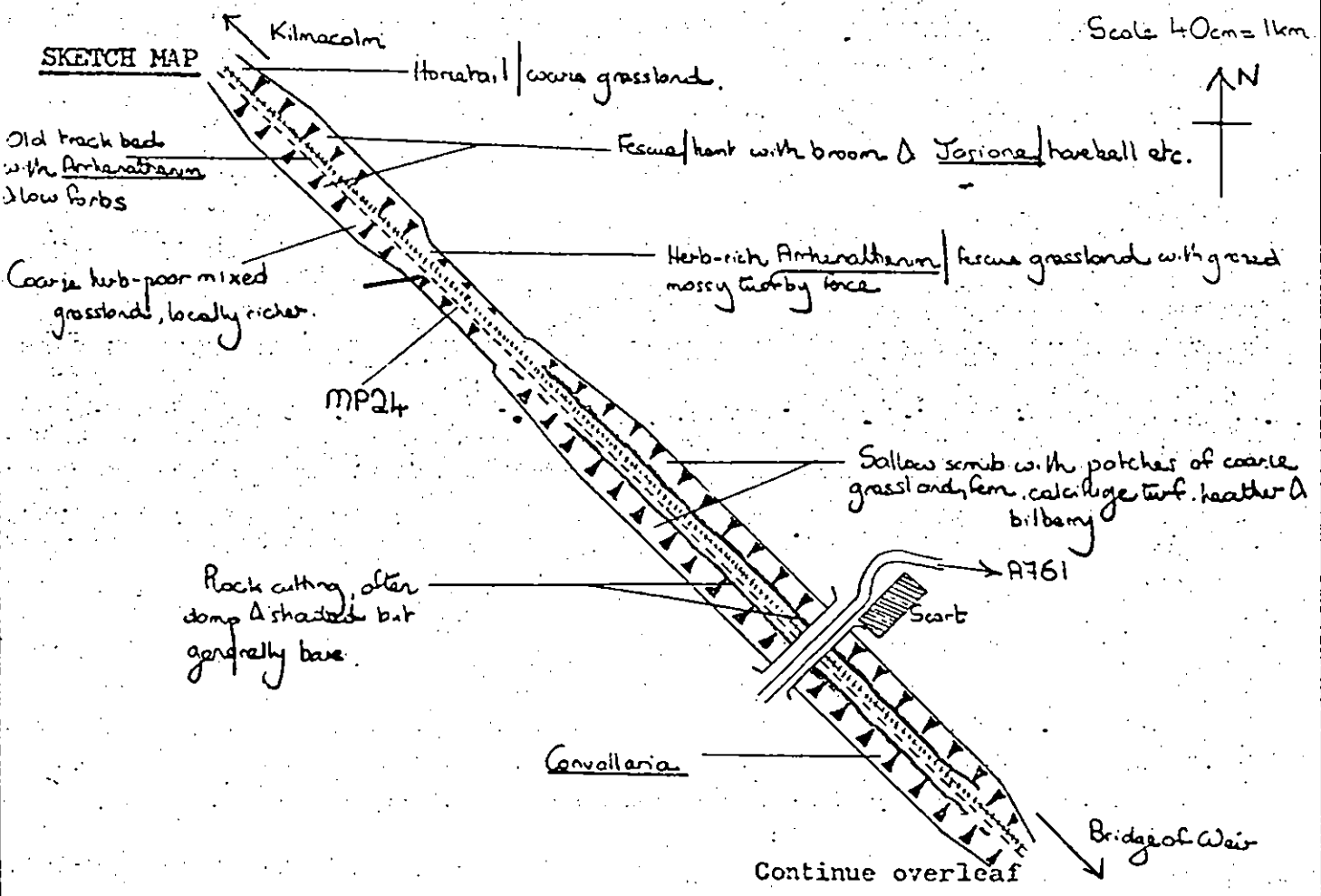
LOCATION STATUS

Accurate

Approximate



SKETCH MAP



SITE NAME Scart

CDB ref

(Section 3)
Internal ref R307

Altitude 190' → 220'

Local Geology Boulder clay generally, some alluvium to NE.; on Mugaite, and Muckla type macrophyritic olivine basalt. [Both contemporaneous with lower Carb. Calciferous Sandstone Measures]

Neighbouring landuses Improved grassland.

DIRECTION FROM ACCESS

N E W S E W or **BOTH**

Dist from * access point	SE100 → NW150m	SE100 → NW150m	NW.150 → 280m	NW.180m → 250m	NW.150 → 300m	NW.150 → 200m	NW.200 → 300m
Side of track °	NE	SW	NE.	NE.	SW.	SW	SW
Landform x	G.Cut.	S.Cut.	C.Emb	Cut.	Flat	C.Emb.	Cut.
Aspect-degrees	225°	45°	45°	225°	—	225°	45°
Width-metres	→15m.	→18m.	→5m	→4m	c.2m	→4m.	→5m
Disturbance +	—	—	M.Ball.	—	S.Ball.	M.Ball.	—

- * If site is both sides of access point, precede distance by cardinal point.
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Convallaria appears to be the first record for the vice-county. Chaenorchium & Trisetum are both rare in W. Scotland. Tasiana is on the edge of its range and Lepidium heterophyllum is a local plant generally. Epilobium bruesense is a locally abundant alien in this area.

General vegn characteristics and habitat description indicate side of track

The AP lay in a rock cutting with wide gentler slopes above. The rock faces are mainly bare, but rather damp and shaded. There are populations of Epilobium bruesense and much Cardamine with areas of moss and sparse grass. The slopes above have a great deal of scrub, mainly willow, especially away from the fence. The ground cover is a mixture of coarse grassland of Arrhenatherum etc and large ferns with areas of Deschampsia flexuosa grassland, some Fesca bent, a little heather & bilberry and a large patch of Convallaria [column 4 & 2]. Much of the remainder is coarse Arrhenatherum grassland on low embankments and gentle low cuttings. Some of it is herb rich with Fesca, Centaurea, Lathyrus or with horsetail co-dominant. Coarser poorer areas have much couch, cocksfoot and there are also bits of Holcus mollis bent in almost herbless patches. Near the fence this vegetation has been grazed back to leave a cut of Athyriadiadelphus with Fesca bent, Prunex acetosa & Pilosella [column 3 & 6]. The cutting slopes generally are similar but in the middle of the low cutting NW of MP 24 there are some exposures of sand with Fesca and a little bare rock. Calciferous turf ferns, low bracken & broom dominate. Fesca bent / Anthoxanthum grassland includes Tasiana, Campanula, Lepidium & Athyranthus [column 4 & 7]. The old track bed running along the SW side has an open grassland of Arrhenatherum on ballast with rosebay, Composite rosette plants and Viola, plus Senecio vixosus & Chaenorchium. [column 5].

PREFERRED MANAGEMENT

Some grazing of the coarse grassland or cutting.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Ballast dumping locally on banks, and spray symptoms near line. Grazing by fence from animals in adjacent fields

23.7.80 Jom.

Sc

G

S

R307

SITE NAME Scart	RECORDER D. Sargent	WEATHER Dull & overcast. Continuous heavy drizzle. Little breeze.		LANDFORM ① ② ③ ④ ⑤ ⑥ ⑦ At AP rock cutting with gentler slopes above. To NW flat to low embankment. Then a short cutting & finally swelling out to NW. Along SW side old track bed.	
M.P. 24	TIPPING Old track bed - heavy otherwise moderate & even.	DATE 23.7.80	TIME 1000 1130 →		
COUNTY Shathclyde [Parrishew]	N.L.U. Improved grassland.				

HABITAT APPRAISAL

A	B	%	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	20	700	The rock cutting is generally bare with scattered moss. Sallow scrub over coarse grassland with patches of fern. calcifuge turf, heather & bilberry occur on the gentler slopes above. Much of the rest is coarse <i>Arrhenatherum</i> with horse-rail, rye-grass, <i>Holcus lanatus</i> etc. This is grazed near the fence. The low short cutting between the MP & the end of the site has areas of good calcifuge turf & broom. The old line is similar to coarse grassland but open. Good variety of food & habitat, plus cover. Weather regarded debased first.	Birds (small)	2	2	2
1	3	15	708		Birds (large)	1	1	1
1	6	35	700		Mamm. (small)	2	1	2
4	3	15	700		Mamm. (large)	1	1	.
6	5	10	703		Other verts.	.	1	1
1	0	5	700		Lepidoptera	2	.	2
					Other insects	2	2	2
				Other inverts.	2	2	2	

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Swift	3270	2			Common Blue Butterfly	1
House Sparrow	5250	1			Various: Opiliones Gastropoda	4 3
contd. over			contd. over		contd. over	
Skylark	3570	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Castle Sample Loch

Map Ref NS36.58 Data bank ref

NCC Region South-west Scotland County Strathclyde (Renfrew) Internal ref B207

STATUS

Part of	<u>Adjacent to</u>	NNR	PNNR	<u>LN</u>	<u>SSSI</u>	
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'County Flora' site. State ref - Flora Europaea Vol. 4 p. 113

Local Information site. State source -

Discovery etc. (Describe) -

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	<u>Very rare</u>	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Deciduous woodland, scrub, rough grassland + stream
) runnals.
Geological)

RAILWAY REGION Scottish DIVISION Glasgow

AREA Southern

Address of Area Civil Engrs Office Mr. J.H. Picken (D.C.E.)

Telephone number

Blythswood House
GLASGOW

Tel. No. 041 332 9811

Name of railway line Glasgow -> Ayr

Access at Lochside Station G.R. NS360579

Mileage post 15 -> 15 1/2

NOTIFICATION

	With whom	By whom	Date	Ref.
Site notified to BR				
Management agreement (see section 3 for detail)				

VISITS

Date	By whom	Assessment/Action
<u>24th July 1980</u>	<u>Dr. C.M. Sargent, R. Sargent and J.O. Mountford.</u>	<u>Generally a poor and disturbed site but providing an extent of good cover along the South shore of the loch. However it has good populations of several rare aliens notably <u>Aster schreberi</u> well established in its only European locality. *The site is well known but the population of <u>Aster</u> is at risk being almost confined to the bank between the car park and the A760. Suggest closer liaison with B.R. over protection. It is highly likely that this plant exists in other railway sites locally and these could be searched accordingly.</u>

Continue overleaf

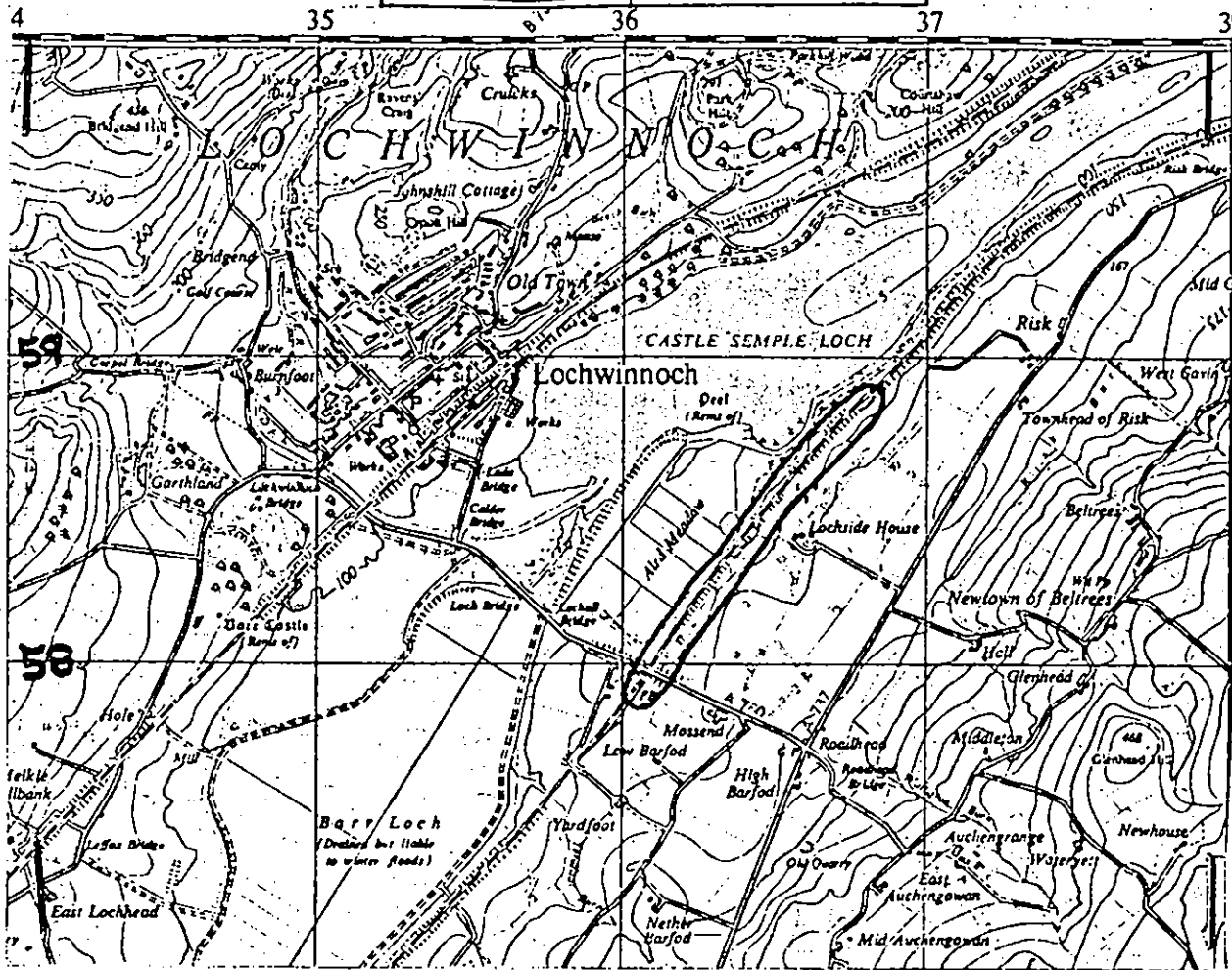
FILE OPENED BY ITE Monks Wood

DATE 3rd Nov 1980

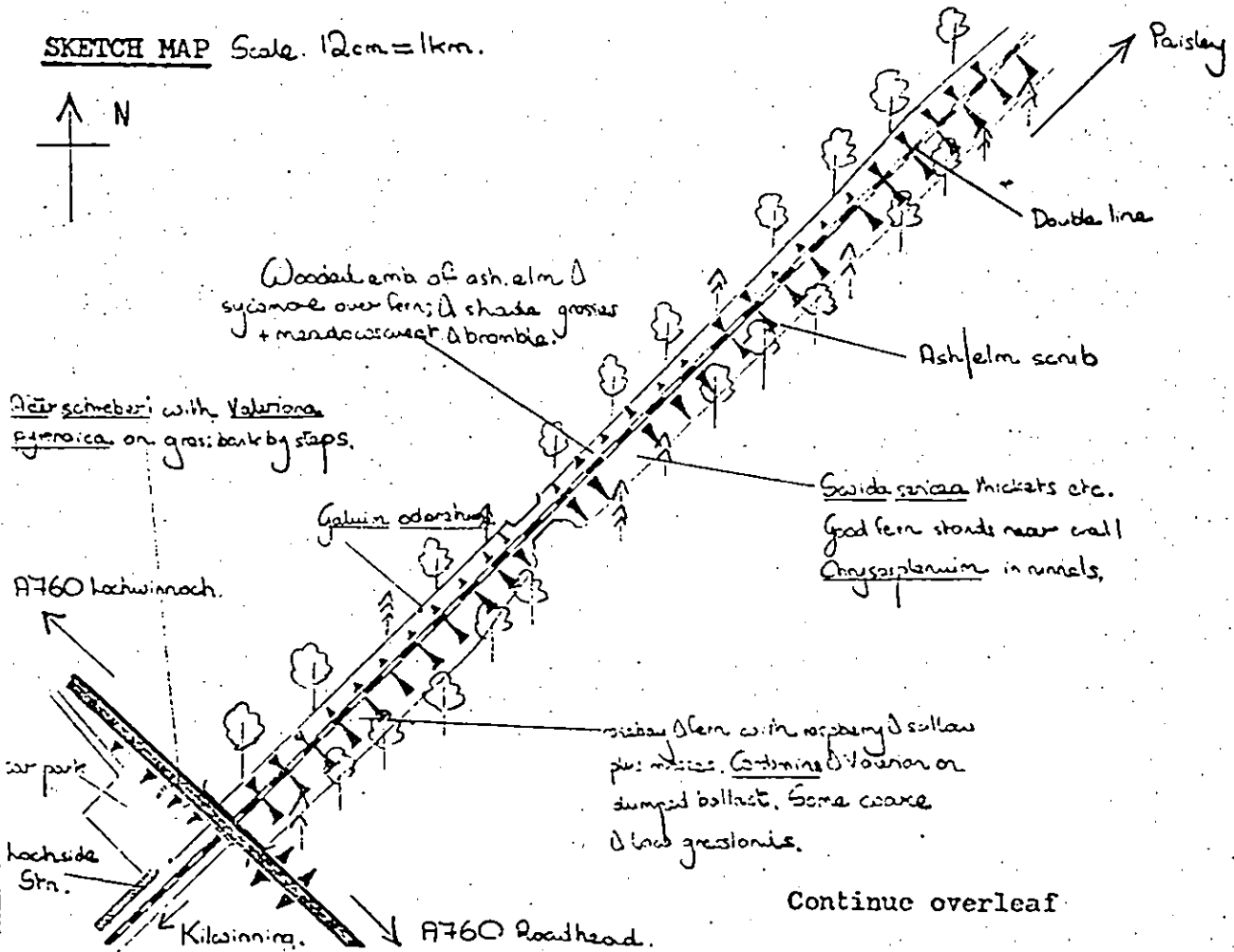
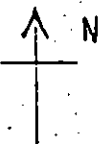
LOCATION STATUS

Accurate

Approximate



SKETCH MAP Scale. 12cm = 1km.



Continue overleaf

SITE NAME Castle Sample Loch

CDB ref

(Section 3)
Internal ref 8207Altitude 95' → 125'

Local Geology

Boulder Clay (some undifferentiated alluvium to NW. Δ near Station) over Carboniferous (Carb. Lin. Limestone Coal Group).Neighbouring landuses Deciduous & mixed woodland

DIRECTION FROM ACCESS

N | E | W | S | E | W or BOTH

Dist from * access point	0 → 50m.	50 → 450m.	450 → 950m.	50 → 950m.				
Side of track °	NW.	SE	SE	NW				
Landform x	Cut.	Co.	Co.	gen. Emb.				
Aspect-degrees	225°	135°/315°	135°/315°	315°				
Width-metres	→50m.	→20m.	→20m.	→15m.				
Disturbance +	—	locally moderate tipping						

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST 117 spp. including Aster schreberi in its only European locality.

Scirpus sericeus, Valeriana pyrenaica and Serapis equalidus are uncommon but spreading along. Urtica urens, Phyllitis are plants uncommon in Scotland and Lysimachia nummularia is recorded here but is otherwise very rare in Scotland.

General vegn characteristics and habitat description indicate side of track:

The cutting down on the SE. side is varied and generally poor with much influence from neighbouring woodland. There are areas of damp dumped ballast and cinder with a good variety of Elyophytes, Cactaminea flavescens and locally Valeriana pyrenaica. Patches of rosebay and fern occur with resp. berry and sallow scrub. The ditch along the upper edge has coarse forbs and ferns. There is local forb-rich grassland on the lower drier banks. [column 2] This kind of vegetation continues on the embankment and the low cutting NE. beyond it with a ridge of partly colonized cinder & ballast all along the trackside where Arrhenatherum raphanifolium and ferns grow and there are thickets of Scirpus sericeus. Some conifers are establishing themselves along the flats near the boundary wall. This wall is often partly buried in the tipping but has in places a good fern flora. Some tunnels with Chrysothrix come down through the more stable ash/cin. scrub common on the broader cutting slopes here [column 3]. The NW. side is mainly a wooded embankment of ash, cin and sycamore over ferns and shade grasses with patches of meadow-sweet and bramb. Galium odoratum is often common near the slope bottom where there is less ballasting. In some parts of the NW. the bank is only 1 → 2m. wide down to a low wall but it is generally c. 10m. The NW. side is generally less varied but there are grassy patches on the low cuttings near the AP where beach is common mainly rooted on the N.E. Arrhenatherum and Asclepias is the main cover out of the shade. [column 4] The rough grass bank between the station car park and the A760 has a coarse grassland with frequent scrub and a large population of Aster schreberi growing with Valeriana pyrenaica (this is probably managed by B.R. properties rather than B.R. Civ. Eng.). [column 5].

PREFERRED MANAGEMENT Some scrub-cutting locally & a relaxation of tipping. Otherwise none.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

There are marked spray effects on both sides near the track; ballasting is common.

Jom 24.7.80.

Continue overleaf

SIDE OF TRACK	N	E	W	S	E	W
---------------	---	---	---	---	---	---

DATE 24.7.80 RECORDER CMSargent/JOMountford

Additional Species	NAME
199	<i>Aster schreberi</i>
142	<i>Arbidopsis thaliana</i>
201	<i>Aster noli-belligii</i>
211	<i>Athyrium filix-ferm.</i>
254	<i>Brassica rapa sylv.</i>
549	<i>Swida serotina</i>
563	<i>Cotoneaster simonsii</i>
868	<i>Galeopsis tetrachitis</i>
1105	<i>Larix decidua</i>
1470	<i>Picea abies</i>
1687	<i>Rhododendron pont.</i>
1729	<i>Rubus idaeus</i>
1786	<i>Salix cinerea elaeagnifolia</i>
1828	<i>Hieracium sp.</i>
1832	<i>Hieracium sp.</i> [Sabaudia]
2065	<i>Tilia X vulgaris</i>
2141	<i>Valeriana pyrenaica</i>

CRASSES	CODE	NAME	1588	1596	1598	1603	1605	1610	1619	1623	1641	1643	1645	1647	1649	1651	1653	1663	1667	1672	1678	1704	1705	1715	1741	1745	1746	1747	1751	1753	1761	1766	1809	1818	1819	1821	1835	1843	1846	1865	1875	1877	1885	1871	1896	1903	1904	1906	1912	1916	1928	1933	1934	1938	1945	1947	1949	1952	1953	1954	1981	1987	2001	2003	2007																																																																																																																
1	309	Cicho	1239	1247	1250	1252	1254	1263	1265	1272	1273	1290	1298	1312	1313	1315	1319	1320	1321	1322	1323	1343	1345	1353	1363	1370	1375	1377	1378	1379	1382	1387	1393	1396	1424	1430	1435	1442	1443	1445	1446	1449	1472	1475	1476	1487	1488	1490	1514	1515	1520	1521	1522	1532	1535	1537	1539	1540	1546	1548	1554	1557	1558	1559	1570	1575	1576	1584																																																																																																													
2	893	Genil	907	909	911	913	914	916	917	918	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999																																																																																								
3	309	Cicho	1239	1247	1250	1252	1254	1263	1265	1272	1273	1290	1298	1312	1313	1315	1319	1320	1321	1322	1323	1343	1345	1353	1363	1370	1375	1377	1378	1379	1382	1387	1393	1396	1424	1430	1435	1442	1443	1445	1446	1449	1472	1475	1476	1487	1488	1490	1514	1515	1520	1521	1522	1532	1535	1537	1539	1540	1546	1548	1554	1557	1558	1559	1570	1575	1576	1584																																																																																																													
4	126	Anthy	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
5	126	Anthy	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
6	126	Anthy	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
7	126	Anthy	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
8	126	Anthy	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
9	126	Anthy	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300
10	126	Anthy	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	16																																																																																																																																			

ANIMAL RECORD	REGN. Sc	DIVN. G	AREA S	SITE B207
SITE NAME Castle Sempia Loch	RECORDER D Sargent	WEATHER Generally fine, slight breeze cloud cover almost total. Moderately warm.		LANDFORM 1 2 3 4 <u>5</u> 6 7 Generally a low cutting with flats above it, but with old ballast ridges and some embankment slopes especially on NW. side near loch or where streams go under line.
M.P. 15 → 15 1/2	TIPPING locally heavily and generally colonised.	DATE 24.7.80	TIME 1510 → 1640	
COUNTY Strathclyde (Painfrew)	N.L.U. Deciduous & mixed wood; loch & N.R.			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	0	60	700	<p>The line runs through the woodland fringe along the SE side of the loch. Much of the interesting or untypical birds on this list come from the Native Reserve which with its reed-beds, marshy fields and carr is far superior to the B.R. land. The woodland is however useful for smaller birds and supports good populations. The reitery performs a woodland ride function and with its diverse plant list is useful for a variety of invertebrate life. A good cover area with variety of vegetation.</p>	Birds (small)	1	2	3
0	5	20	703		Birds (large)	1	1	1
1	6	15	703		Mamm. (small)	1	1	1
2	2	1	700		Mamm. (large)	1	1	1
3	0	1	700		Other verts.	.	2	1
4	8	5	703		Lepidoptera	2		2
					Other insects	3	3	3
					Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Woodpigeon	2990	2	Common Frog	4	large White butterfly Small White butterfly Bombus sp. Tabanid flies Various: Odonata Coleoptera	1-3 2-2 2P
Chaffinch	5550	2				
Blackbird	4240	1				
Robin	4000	1				
Skylark	3570	1				
Willow Warbler	4720	3				
Corrion Crow	3681	1				
Sedge Warbler	4500	3				
House Sparrow	5250	4				
contd. over						

Herring Gull	2560	1				
Tufted Duck	0870	3				
Great-crested Grebe	0080	1				
Pochard	0960	1				
Mallard	0720	3				
Black-headed Gull	2630	4				
Shoveller	0830	2				
Coot	1770	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Glenfalloch

Map Ref NN316199 Data bank ref

NCC Region South-east Scotland

County Central [Shirling]

Internal ref R313

STATUS

Part of	Adjacent to	NNR	PNNR	LNR	SSSI
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - Birch woodland, dripping cliffs, old platform. Molinia & generally calcifuge grassland, bracken etc.
 Geological)

RAILWAY REGION Scottish

DIVISION Glasgow

AREA North

Address of Area Civil Engrs Office Mr. G.E. Hetherwick (DCE.)

Telephone number

Blythswood House
GLASGOW

Tel No. 041-332-9811 extn. 3544

Name of railway line Glasgow -> Mallaig

Access at Forestry / farm lane bridge over at NN316200

Mileage post 19 1/2

NOTIFICATION

Site notified to BR

Management agreement (see section 3 for detail)

With whom	By whom	Date	Re

VISITS

Date	By whom	Assessment/Action
<u>26th July 1980</u>	<u>Dr. C.M. Sargent, D. Sargent and J.O. Mountford.</u>	<u>Good site on valley side with a number of local species and a variety of habitats. The value of the site lies in its combination of a good dripping cliff with low growing pressure compared to the NE. Much of what occurred here was present nearby but the continuous wooded area, and protected grassland makes BR of worth.</u> <u>* Note and consider further surveys nearby. No other sites were examined between Portnacole (R312) and Crionlanich and the region contains some likely cuttings & loch-side sites. Although possibly representative of the local vegetation, the limited occur may have allowed rather better types of rare spp. to survive in places.</u>

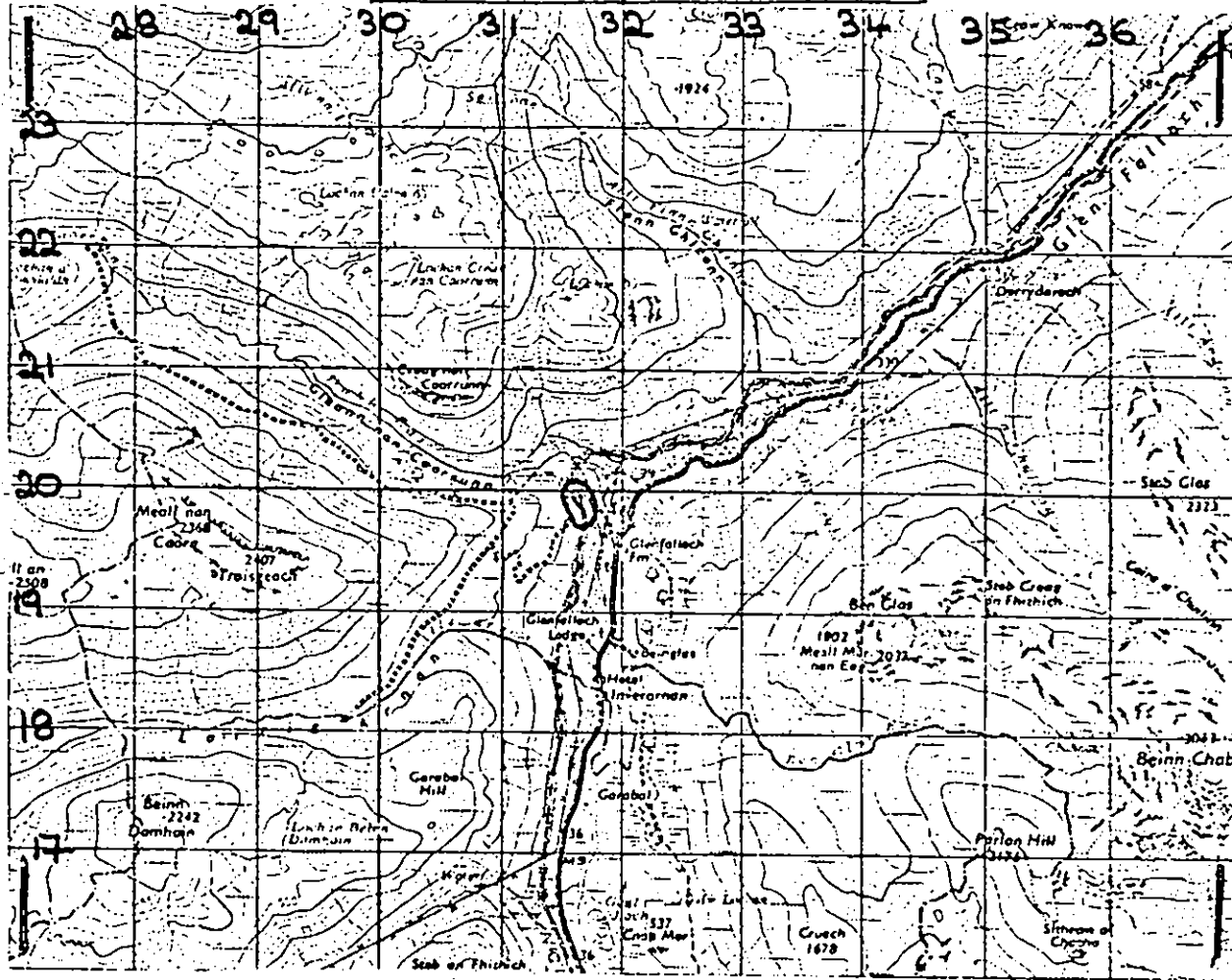
Continue over

FILE OPENED BY ITE Mark G. Wood

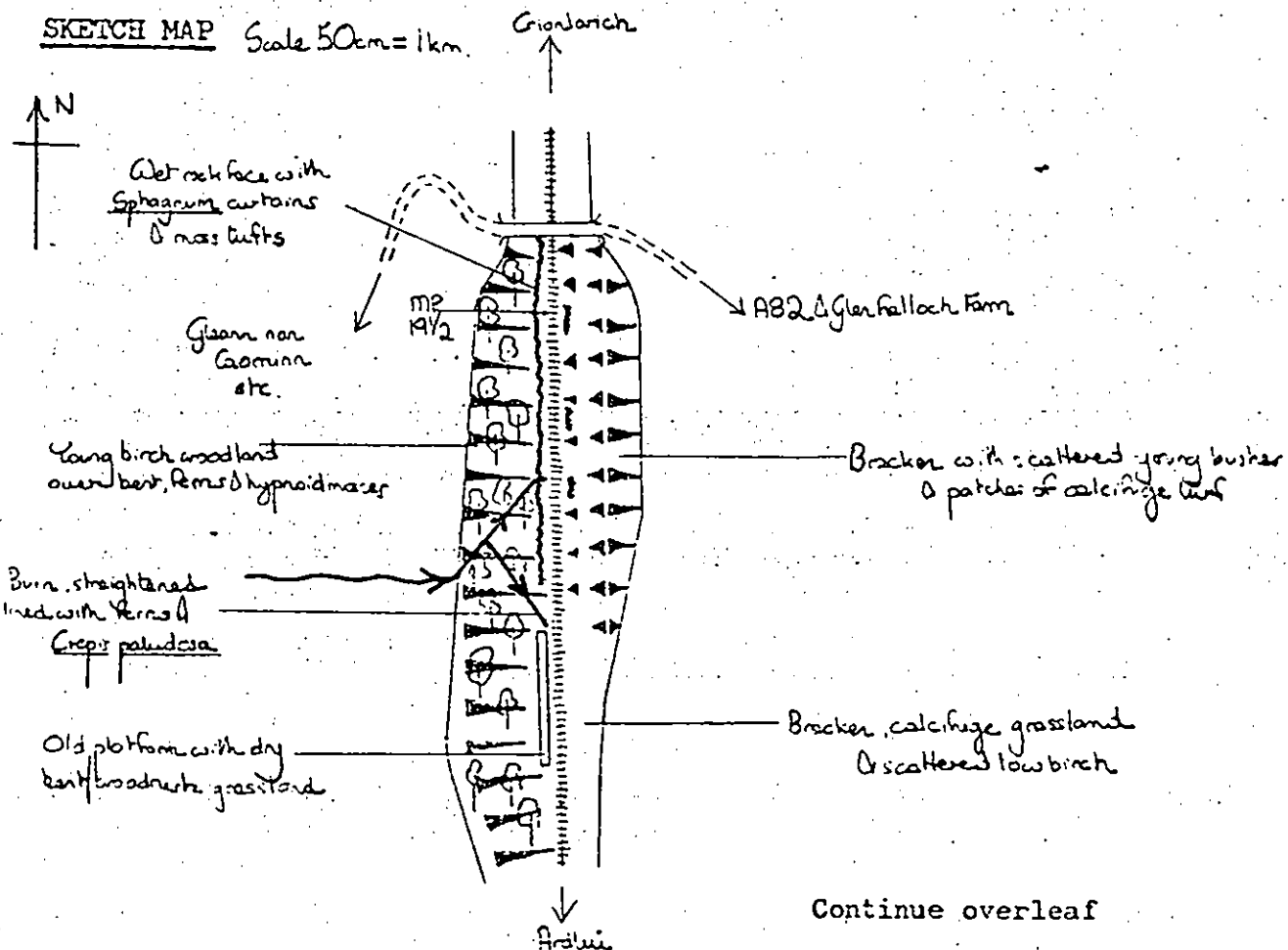
DATE 19th Dec 1980

LOCATION STATUS

Accurate	Approximate
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SKETCH MAP Scale 50cm = 1km.



SITE NAME Glenfalloch

CDB ref

(Section 3)
Internal ref R313Altitude 325'Local Geology Igneous Intrusive - basalt in dykes - across
Metamorphic: undifferentiated mica-schists of
Maine typeNeighbouring landuses Upland pasture, moorland & patchy mixed woodland.

DIRECTION FROM ACCESS

N	E	W	S	E	W	or	BOTH
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Dist from * access point	0 → 100m	100 → 130m	0 → 130m	0 → 130m				
Side of track °	W	W.	W	E				
Landform x	S. Cut.	Platform	Cut	Complex				
Aspect-degrees	90°	—	90°	270°/90°				
Width-metres	→4.5m	→6m	→16m	→15m				
Disturbance +	Spray	Clear	—	loc. Spray				

- * If site is both sides of access point, precede distance by cardinal point.
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Hypericum androsaemon, Hyperic, Pragmites are all local plants, the first of these as far inland as it grows in Scotland. Festuca arundinacea at its limit in W. Scotland. Good bryophyte list including the generally montane Mnium marginatum & Tortularia quinqueidentata.

General vegn characteristics and habitat description indicate side of track

Much of the lower slope on the W side is a rock cutting often dripping or at least damp. The major cover is bryophyte with large areas of Sphagnum curvatum, Gymnocolea, Campylopus flexuosus etc. Clumps of heath occur notably on ledges and other vascular plants are scattered over the rocks with Narthecium being especially common and Hyperic & Pinguicula occurring also. [column 1]. After a brief gap with woodland, the trackside has an old platform covered in bent/woodish grassland with low pleurocapous mosses. Near the back cut scrub is found with birch, sallow over bramble & bracken. Litter is thick & epiphytic mosses are common [column 2]. The majority of the east side is a cutting slope of birch woodland. The ground cover is bent grassland with a variety of ferns: Dryopteris spp., Blechnum, Peridium in the north and mainly bracken in the S. Mosses are abundant, generally over 30% cover with Polytrichum, Sphagnum & Hypnum spp. especially important. Rowan is occasional and Vicia palustris is ubiquitous. In clear areas near the fence Molinia & bracken can be co-dominant. A stream comes down the slope towards T2 and has Empis paludosa & Oreopteris along its banks with patches of Pragmites in the adjacent woodland [column 3]. The east side is variable but has no particular pattern to it. Bracken is the main cover with patches of low calcifuge grassland & scattered young scrub. The north is on uneven cutting with sandy rock exposures, a little Molinia near the line; some bramble, Digitalis & plants of Hypericum androsaemon & Mnium marginatum further away; and a ridge of bracken over sparse Erica near the fence. The bank flattens out to the S and remains considerably but the pattern is similar. Birch, sallow, oak, rowan & hazel are among the woody plants [column 4].

PREFERRED MANAGEMENT

Some clearance of bracken

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Scrubcutting & stump treatment on the old platform. Spray symptoms pronounced along line.

26.7.80 fom

Continue overleaf

SIDE OF TRACK

N	E	W	S	E	W
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DATE 26.7.80 RECORDER CMS Sargent / JO Mountford

CRASSIS	CODE	Additional Species NAME
26 Agrop	826	Festuca vivipara
31 Agus	576	Cepis paludosa
34	1217	Impatiens salago
41 Alys	1328	Myrica gale
42 Alopp	1345	Narthecium ossif.
43	1481	Pinguicula vulgaris
44	1729	Rubus idaeus
45	1786	Salix cinerea oleifolia
46	1828	Hieracium sp.
47	2053	Phagopogon corniculatus
48	2215	Viola papilionacea
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SITE NAME

CDB ref

Internal ref

BRYOPHYTES

DATE

RECORDER

Additional Species	NAME
CODE	<i>Cephalovellasp.</i>

001	Acru cord	0874	zif	183	oimu	363	myar	400	Picu equum	346	puac	681	Abel deci	790	Leio bruc	883	lav
002	Acro cord	0319	sege	186	rufu	364	stri	461	subu	547	puu	683	Anas orca	791	bant	884	plao
003	Acro cord	0397	agge	187	taxi	365	piri	462	subu	548	puu	684	Anas doni	794	muti	885	plax
004	Acro cord	0397	band	188	viru	366	ripa	463	Picu scru	549	trif	686	Anth jula	796	turb	886	pluy
005	Acro cord	0701	baco	189	anil	367	Lept amil	464	Pohl acru	551	Sema nova	688	Anth husn	797	Lafe	887	quad
006	Acro cord	0701	caes	190	Dir	368	Lept amil	465	anot	554	Spha comp	689	laev punc	801	eror	888	Pref
007	Acro cord	0701	capa	191	Dir	369	Lept amil	466	anot	555	Spha comp	690	Apba mir	802	lomo	889	Pref
008	Acro cord	0701	capa	192	Dir	370	Lept amil	467	anot	556	Spha comp	691	Barb. sille	803	lomo	890	Radu aqu
009	Acro cord	0701	capa	193	Dir	371	Lept amil	468	anot	557	Spha comp	692	Barb. sille	804	lomo	891	Radu aqu
010	Acro cord	0701	capa	194	Dir	372	Lept amil	469	anot	558	Spha comp	693	Barb. sille	805	lomo	892	Radu aqu
011	Acro cord	0701	capa	195	Dir	373	Lept amil	470	anot	559	Spha comp	694	Barb. sille	806	lomo	893	Radu aqu
012	Acro cord	0701	capa	196	Dir	374	Lept amil	471	anot	560	Spha comp	695	Barb. sille	807	lomo	894	Radu aqu
013	Acro cord	0701	capa	197	Dir	375	Lept amil	472	anot	561	Spha comp	696	Barb. sille	808	lomo	895	Radu aqu
014	Acro cord	0701	capa	198	Dir	376	Lept amil	473	anot	562	Spha comp	697	Barb. sille	809	lomo	896	Radu aqu
015	Acro cord	0701	capa	199	Dir	377	Lept amil	474	anot	563	Spha comp	698	Barb. sille	810	lomo	897	Radu aqu
016	Acro cord	0701	capa	200	Dir	378	Lept amil	475	anot	564	Spha comp	699	Barb. sille	811	lomo	898	Radu aqu
017	Acro cord	0701	capa	201	Dir	379	Lept amil	476	anot	565	Spha comp	700	Bazz	812	lomo	899	Radu aqu
018	Acro cord	0701	capa	202	Dir	380	Lept amil	477	anot	566	Spha comp	701	Bazz	813	lomo	900	Radu aqu
019	Acro cord	0701	capa	203	Dir	381	Lept amil	478	anot	567	Spha comp	702	Bazz	814	lomo	901	Radu aqu
020	Acro cord	0701	capa	204	Dir	382	Lept amil	479	anot	568	Spha comp	703	Bazz	815	lomo	902	Radu aqu
021	Acro cord	0701	capa	205	Dir	383	Lept amil	480	anot	569	Spha comp	704	Bazz	816	lomo	903	Radu aqu
022	Acro cord	0701	capa	206	Dir	384	Lept amil	481	anot	570	Spha comp	705	Bazz	817	lomo	904	Radu aqu
023	Acro cord	0701	capa	207	Dir	385	Lept amil	482	anot	571	Spha comp	706	Bazz	818	lomo	905	Radu aqu
024	Acro cord	0701	capa	208	Dir	386	Lept amil	483	anot	572	Spha comp	707	Bazz	819	lomo	906	Radu aqu
025	Acro cord	0701	capa	209	Dir	387	Lept amil	484	anot	573	Spha comp	708	Bazz	820	lomo	907	Radu aqu
026	Acro cord	0701	capa	210	Dir	388	Lept amil	485	anot	574	Spha comp	709	Bazz	821	lomo	908	Radu aqu
027	Acro cord	0701	capa	211	Dir	389	Lept amil	486	anot	575	Spha comp	710	Bazz	822	lomo	909	Radu aqu
028	Acro cord	0701	capa	212	Dir	390	Lept amil	487	anot	576	Spha comp	711	Bazz	823	lomo	910	Radu aqu
029	Acro cord	0701	capa	213	Dir	391	Lept amil	488	anot	577	Spha comp	712	Bazz	824	lomo	911	Radu aqu
030	Acro cord	0701	capa	214	Dir	392	Lept amil	489	anot	578	Spha comp	713	Bazz	825	lomo	912	Radu aqu
031	Acro cord	0701	capa	215	Dir	393	Lept amil	490	anot	579	Spha comp	714	Bazz	826	lomo	913	Radu aqu
032	Acro cord	0701	capa	216	Dir	394	Lept amil	491	anot	580	Spha comp	715	Bazz	827	lomo	914	Radu aqu
033	Acro cord	0701	capa	217	Dir	395	Lept amil	492	anot	581	Spha comp	716	Bazz	828	lomo	915	Radu aqu
034	Acro cord	0701	capa	218	Dir	396	Lept amil	493	anot	582	Spha comp	717	Bazz	829	lomo	916	Radu aqu
035	Acro cord	0701	capa	219	Dir	397	Lept amil	494	anot	583	Spha comp	718	Bazz	830	lomo	917	Radu aqu
036	Acro cord	0701	capa	220	Dir	398	Lept amil	495	anot	584	Spha comp	719	Bazz	831	lomo	918	Radu aqu
037	Acro cord	0701	capa	221	Dir	399	Lept amil	496	anot	585	Spha comp	720	Bazz	832	lomo	919	Radu aqu
038	Acro cord	0701	capa	222	Dir	400	Lept amil	497	anot	586	Spha comp	721	Bazz	833	lomo	920	Radu aqu
039	Acro cord	0701	capa	223	Dir	401	Lept amil	498	anot	587	Spha comp	722	Bazz	834	lomo	921	Radu aqu
040	Acro cord	0701	capa	224	Dir	402	Lept amil	499	anot	588	Spha comp	723	Bazz	835	lomo	922	Radu aqu
041	Acro cord	0701	capa	225	Dir	403	Lept amil	500	anot	589	Spha comp	724	Bazz	836	lomo	923	Radu aqu
042	Acro cord	0701	capa	226	Dir	404	Lept amil	501	anot	590	Spha comp	725	Bazz	837	lomo	924	Radu aqu
043	Acro cord	0701	capa	227	Dir	405	Lept amil	502	anot	591	Spha comp	726	Bazz	838	lomo	925	Radu aqu
044	Acro cord	0701	capa	228	Dir	406	Lept amil	503	anot	592	Spha comp	727	Bazz	839	lomo	926	Radu aqu
045	Acro cord	0701	capa	229	Dir	407	Lept amil	504	anot	593	Spha comp	728	Bazz	840	lomo	927	Radu aqu
046	Acro cord	0701	capa	230	Dir	408	Lept amil	505	anot	594	Spha comp	729	Bazz	841	lomo	928	Radu aqu
047	Acro cord	0701	capa	231	Dir	409	Lept amil	506	anot	595	Spha comp	730	Bazz	842	lomo	929	Radu aqu
048	Acro cord	0701	capa	232	Dir	410	Lept amil	507	anot	596	Spha comp	731	Bazz	843	lomo	930	Radu aqu
049	Acro cord	0701	capa	233	Dir	411	Lept amil	508	anot	597	Spha comp	732	Bazz	844	lomo	931	Radu aqu
050	Acro cord	0701	capa	234	Dir	412	Lept amil	509	anot	598	Spha comp	733	Bazz	845	lomo	932	Radu aqu
051	Acro cord	0701	capa	235	Dir	413	Lept amil	510	anot	599	Spha comp	734	Bazz	846	lomo	933	Radu aqu
052	Acro cord	0701	capa	236	Dir	414	Lept amil	511	anot	600	Spha comp	735	Bazz	847	lomo	934	Radu aqu
053	Acro cord	0701	capa	237	Dir	415	Lept amil	512	anot	601	Spha comp	736	Bazz	848	lomo	935	Radu aqu
054	Acro cord	0701	capa	238	Dir	416	Lept amil	513	anot	602	Spha comp	737	Bazz	849	lomo	936	Radu aqu
055	Acro cord	0701	capa	239	Dir	417	Lept amil	514	anot	603	Spha comp	738	Bazz	850	lomo	937	Radu aqu
056	Acro cord	0701	capa	240	Dir	418	Lept amil	515	anot	604	Spha comp	739	Bazz	851	lomo	938	Radu aqu
057	Acro cord	0701	capa	241	Dir	419	Lept amil	516	anot	605	Spha comp	740	Bazz	852	lomo	939	Radu aqu
058	Acro cord	0701	capa	242	Dir	420	Lept amil	517	anot	606	Spha comp	741	Bazz	853	lomo	940	Radu aqu
059	Acro cord	0701	capa	243	Dir	421	Lept amil	518	anot	607	Spha comp	742	Bazz	854	lomo	941	Radu aqu
060	Acro cord	0701	capa	244	Dir	422	Lept amil	519	anot	608	Spha comp	743	Bazz	855	lomo	942	Radu aqu
061	Acro cord	0701	capa	245	Dir	423	Lept amil	520	anot	609	Spha comp	744	Bazz	856	lomo	943	Radu aqu
062	Acro cord	0701	capa	246	Dir	424	Lept amil	521	anot	610	Spha comp	745	Bazz	857	lomo	944	Radu aqu
063	Acro cord	0701	capa	247	Dir	425	Lept amil	522	anot	611	Spha comp	746	Bazz	858	lomo	945	Radu aqu
064	Acro cord	0701	capa	248	Dir	426	Lept amil	523	anot	612	Spha comp	747	Bazz	859	lomo	946	Radu aqu
065	Acro cord	0701	capa	249	Dir	427	Lept amil	524	anot	613	Spha comp	748	Bazz	860	lomo	947	Radu aqu
066	Acro cord	0701	capa	250	Dir	428	Lept amil	525	anot	614	Spha comp	749	Bazz	861	lomo	948	Radu aqu
067	Acro cord	0701	capa	251	Dir	429	Lept amil	526	anot	615	Spha comp	750	Bazz	862	lomo	949	Radu aqu
068	Acro cord	0701	capa	252	Dir	430	Lept amil	527	anot	616	Spha comp	751	Bazz	863	lomo	950	Radu aqu
069	Acro cord	0701	capa	253	Dir	431	Lept amil	528	anot	617	Spha comp	752	Bazz	864	lomo	951	Radu aqu
070	Acro cord	0701	capa	254	Dir	432	Lept amil	529	anot	618	Spha comp	753	Bazz	865	lomo	952	Radu aqu
071	Acro cord	0701	capa	255	Dir	433	Lept amil	530	anot	619	Spha comp	754	Bazz	866	lomo	953	Radu aqu
072	Acro cord	0701	capa	256	Dir	434	Lept amil	531	anot	620	Spha comp	755	Bazz	867	lomo	954	Radu aqu
073	Acro cord	0701	capa	257	Dir	435	Lept amil	532	anot	621	Spha comp	756	Bazz	868	lomo	955	Radu aqu
074	Acro cord	0701	capa	258	Dir	436	Lept amil	533	anot	622	Spha comp	757	Bazz	869	lomo	956	Radu aqu
075	Acro cord	0701	capa	259	Dir	437	Lept amil	534	anot	623	Spha comp	758	Bazz	870	lomo	957	Radu aqu
076	Acro cord	0701	capa	260	Dir	438	Lept amil	535	anot	624	Spha comp	759	Bazz	871	lomo	958	Radu aqu
077	Acro cord	0701	capa	261	Dir	439	Lept amil	536	anot	625	Spha comp	760	Bazz	872	lomo	959	Radu aqu
078	Acro cord	0701	capa	262	Dir	440	Lept amil	537	anot	626	Spha comp	761	Bazz	873	lomo	960	Radu aqu
079	Acro cord	0701	capa	263	Dir	441	Lept amil	538	anot	627	Spha comp	762	Bazz	874	lomo	961	Radu aqu
080	Acro cord	0701	capa	264	Dir	442	Lept amil	539	anot	628	Spha comp	763	Bazz	875	lomo	962	Radu aqu
081	Acro cord	0701	capa	265	Dir	443	Lept amil	540	anot	629	Spha comp	764	Bazz	876	lomo	963	Radu aqu
082	Acro cord	0701	capa	266	Dir	444	Lept amil	541	anot	630	Spha comp	765	Bazz	877	lomo	964	Radu aqu
083	Acro cord	0701	capa	267	Dir	445	Lept amil	542	anot	631	Spha comp	766	Bazz	878	lomo	965	Radu aqu
084	Acro cord	0701	capa	268	Dir	446	Lept amil	543	anot	632	Spha comp						

ANIMAL RECORD	REGN. Sc	DIVN. G	AREA N	SITE R313
SITE NAME Glenfalloch	RECORDER D. Sargent	WEATHER Fine & sunny. Hot with c. 50% cloud cover, thickening later. No breeze.		LANDFORM 1 2 3 4 5 6 7 The west side is generally a positive slope with some sheer rock faces & an old platform. The east side is a ridge to the N. with a stepped cutting by the line A on a negative slope to the E. Further South it flattens out.
M.P. 19 1/2	TIPPING locally moderate but colonized	DATE 26.7.80	TIME 1010 → 1200	
COUNTY Central [Shirling]	N.L.U. Moorland, rough upland pasture. Scattered trees			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	0	60	700	The slope on the west side is generally birch scrub over calcifuge grassland, ferns and hypnoid mosses. The dripping rock face below by the line has crocospore moths, <i>Spiragmus</i> spp. A bog hole etc. The platform has dry grassland & outscrub. The east side is a mosaic of bracken, birch, sallows, <i>Ericaceae</i> & calcifuge grassland with locally some dry rock exposures. Good cover & feeding for insectivorous & seed-eating birds. A higher variety and continuity of cover than locally present. Obviously a hazard to grazing animals and the cover vegetation thus allowed high invertebrate populations	Birds (small)	3	3	3
0	5	15	745		Birds (large)	2	2	2
1	4	5	745		Mamm. (small)	2	2	1
1	5	1	700		Mamm. (large)	1	1	.
3	1	1	700		Other verts.	.	1	1
4	3	5	745		Lepidoptera	2	.	2
1	0	10	700		Other insects	2	2	2
6	9	5	726		Other inverts.	2	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Robin	4000	1			Carabid mites	6
Blackcap	4570	2			Tabanid flies	3
Greenfinch	5330	1			Various:	
Bullfinch	5480	2			<i>Oligochaeta</i>	2
Chaffinch	5550	2				
contd. over			contd. over		contd. over	
Common Buzzard	1150	1				
Meadow Pipit	4930					
contd. over			contd. over		contd. over	

SPECIES LIST OF ANIMALS contd.

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.

CASUALTY LIST OF ANIMALS RECORDED ON B.R.

			Red deer ♀	1		

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Beinn OdharMap Ref NN32.32/34 Data bank refNCC Region Southwest Scotland County Strathclyde [Argyll] Internal ref 8208

STATUS

Part of	Adjacent to	NNR	PNNR	INR	SSSI
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) Chern as a series of cuttings at high altitude.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - One of the very few railway sites with a few representatives of upland plants. Muck, rock, submontane grassland. A burn + associated bogs.

Geological)

RAILWAY REGION Scottish DIVISION Glasgow AREA NorthernAddress of Area Civil Engrs Office Mr. G. E. Hetherwick (D.C.E.)

Telephone number

Blythswood HouseGLASGOWTel. No. 041 - 332 9811 extn. 3544Name of railway line Glasgow → Malloig.Access at From dismantled bridge by A82 at NN328332Mileage post 43 1/4 → 44

NOTIFICATION

Site notified to BR

Management agreement.
(see section 3 for detail)

With whom	By whom	Date	Re

VISITS

Date	By whom	Assessment/Action
<u>27th July 1980</u>	<u>D. Sargent and J.O. Mountford.</u>	<u>More interesting in the BR context than the local one. A large species-list with a number of montane plants present. The main value is as an area with lower grazing pressure than the neighbouring moor, the rocks & flushes being considerably richer than those outside the fence. The old stone wall has a number of characteristic spp, otherwise probably rare in this immediate area.</u> <u>* Note but the extent of good upland vegetation locally makes this piece of line exceptional. BR is at too low an altitude to have a really diverse montane flora and several of the most common plants of the Highlands are absent.</u>

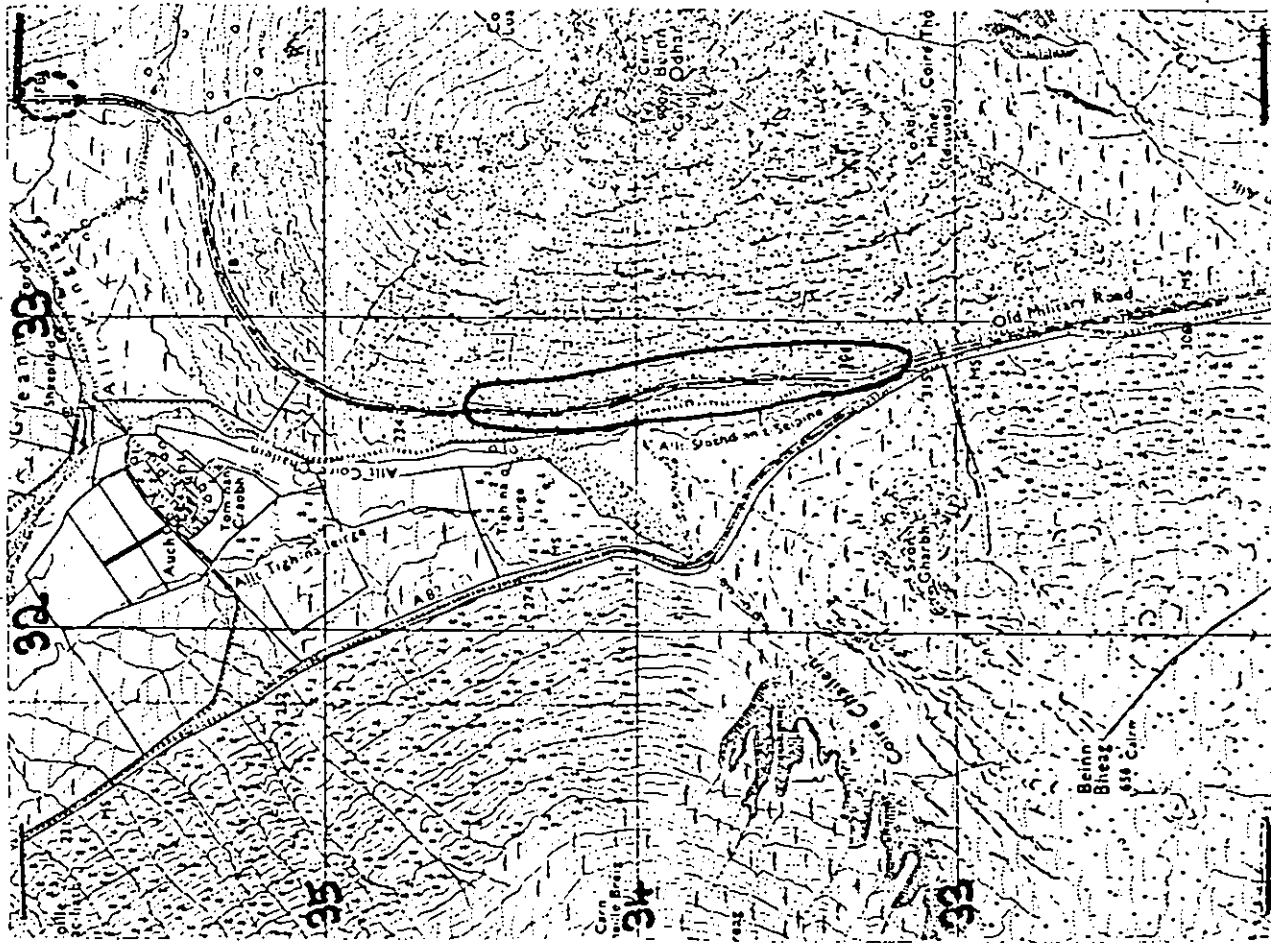
Continue over

LOCATION MAP SCALE | :25000

SHEET NO. NN23/33 MAP REF NN32.33/34.

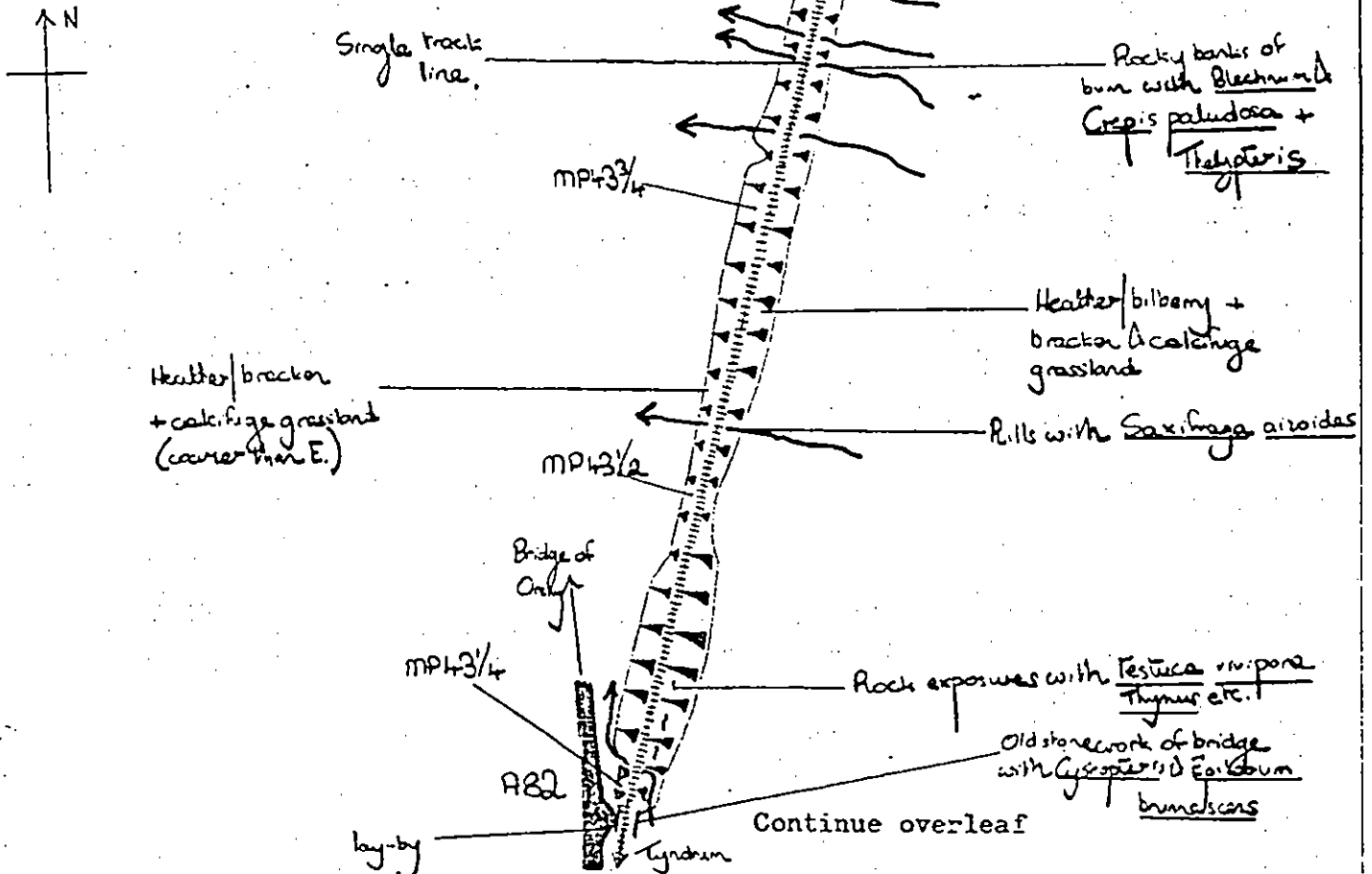
LOCATION STATUS

<u>Accurate</u>	Approximate
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O=B208; (.)=R315 (NE.)

SKETCH MAP Scale 10cm = 1km.



Altitude 900 → 1000Local Geology Metamorphic: undifferentiated schists of Moine typeNeighbouring landuses Moorland

DIRECTION FROM ACCESS

<input checked="" type="radio"/> N	<input type="radio"/> E	<input type="radio"/> W	<input type="radio"/> S	<input type="radio"/> E	<input type="radio"/> W	or	<input type="checkbox"/> BOTH
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Dist from * access point	<u>○</u>	<u>○ →</u> 1200m	<u>○ →</u> 1200m	<u>○ →</u> 1200m				
Side of track °	<u>Both</u>	<u>E.</u>	<u>E.</u>	<u>W.</u>				
Landform x	<u>Bridge</u>	<u>Cut.</u>	<u>Cut/Burn</u>	<u>gem. Emb.</u>				
Aspect-degrees	<u>various</u>	<u>c. 280°</u>	<u>c. 280°</u>	<u>c. 280°</u>				
Width-metres	<u>2x</u> → 10m.	→ 20m.	→ 20m.	→ 20m.				
Disturbance †	<u>—</u>	<u>loc. Fire.</u>	<u>Flow.</u>	<u>Fire loc.</u>				

- * If site is both sides of access point, precede distance by cardinal point
 ○ Indicate side of track by compass cardinal point
 x: Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
 † Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

local, often montane, plants include: Saxifraga aizoides, S. stellata, Plantago maritima, Selaginella, Phragmites & Cystopteris. Epilobium brunescens is a fast-spreading alien. The highest scrub of interest & the rarer body here is rare on B.R.

General vegn characteristics and habitat description indicate side of track.

The old stonework of the demolished bridge at the AP has scattered Cystopteris and a small population of Epilobium brunescens at the damp feet of the W.-facing wall. [column 1]. The main cover over both sides of the site is a mosaic of moorland vegetation types. Heather bilberry, bracken & calcifuge grass-lands are the main types. The ridges and drier parts are richer in Ericaceae and Gramineae types with Calluna, Erica cinerea, Agrostis, Ulex, Deschampsia flexuosa all common with Hyacinthum pulchrum, Potentilla erecta and Digitalis. Damp fern vegetation of Dryopteris spp. & Athyrium occurs with Molinia in gullies etc. The slopes closer to the line and the W. embankment are generally poorer. There are scattered bushes particularly of Salix spp but with Sorbus, Betula & Fraxinus also. In a few places there is almost fern scrub but generally they occur as individuals in a more or less open vegetation. The rock exposures are mainly confined to the S. & the E. cutting slope. Here Festuca vivipara is common with Thymus, Racomitrium, Lotus & Comarula. Ballast dumping has locally occurred especially on the W. side but Phragmites grows on a damp ridge of new ballast on the E. side near MP 43 1/2 in [columns 2 & 3]. Several mapped streams and a number of minor runnels dissect the slope. The rocky banks have Thalictroides limboargentea, Blackburnia & Cephaelis paludosa, but the typical plant is Saxifraga aizoides which becomes dominant in the gravelly rills by the edge of the streams. Here it occurs with either a sedge/moss mire of Carex echinata, C. pulicaris, C. panicea, C. demissa, Trichophorum & Philetochloa or a forb-rich more open vegetation with Pinguicula, Euphrasia micrantha, Selaginella, Plantago maritima and more locally Saxifraga stellata. In shallower slopes or where cutting has occurred by a runnel, Sphagnum & Molinia dominate with Myrica & Narthecium as well as Succisa, Ranunculus flammula, Juncus spp. & Drosera, plus Viola p. palustris. The boggy vegetation is often especially common on the gentler slopes by the E. face. [column 3].

PREFERRED MANAGEMENT

None required except a control on ballasting the slopes.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Dumping of ballast locally; but also occasional burning - probably accidental & strong spray symptoms along the track side.

27.7.80 Jom.

SPECIES LIST OF ANIMALS contd.

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.

CASUALTY LIST OF ANIMALS RECORDED ON B.R.

			Sheep Dart	2 1		

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Allt Nathais

Map Ref NM98.32. Data bank ref

NCC Region South-west Scotland

County Strathclyde [Argyll]

Internal ref 8209

STATUS

Part of	Adjacent to	NNR	PNNR	LNK	SSSI	
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Chosen because of its woody surroundings, adjacent river & ease of access.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Good oak-woodland, rock cutting & open scrub
)
Geological)

RAILWAY REGION Scottish DIVISION Glasgow

AREA North

Address of Area Civil Engrs Office Mr. G.E. Hetherwick (D.C.E.)

Telephone number

Blythswood House

GLASGOW

Tel. No. 041 - 332.9811 extn. 3544

Name of railway line Crianlarich → Oban

Access at A85 bridge over at NM984322

Mileage post 60 1/4

NOTIFICATION

	With whom	By whom	Date	Re:
Site notified to BR				
Management agreement (see section 3 for detail)				

VISITS

Date	By whom	Assessment/Action
28 th July 1980	Dr. C.M. Sargent, D. Sargent and J.O. Mountford.	The oak woodland by the stream with its rich fern & bryophyte flora was probably the best seen on B.R. in Scotland. A number of local plants occur & B.R. contributes good rock cutting habitats. Generally, however, the vegetation types are well represented locally and the site is of note in a B.R. rather than a local context. * <u>Note & check that this site is exceptional as suspected. A walk along this coastal line from Taynish to Connell could probably be worthwhile and may produce some conservation sites. The inclusion of the woodland area in B.R. appears to be simply convenience of the Allt as a boundary.</u>

Altitude 90'Local Geology Drift free. Andesite [Igneous Intrusive — lower Old Red Sandstone age]Neighbouring Landuses Deciduous woodland & river.

DIRECTION FROM ACCESS

<input checked="" type="checkbox"/> N	<input type="checkbox"/> E	<input type="checkbox"/> W	<input type="checkbox"/> S	<input type="checkbox"/> E	<input type="checkbox"/> W	or	<input type="checkbox"/> BOTH
---------------------------------------	----------------------------	----------------------------	----------------------------	----------------------------	----------------------------	----	-------------------------------

Dist from * access point	0 → 100m	100 → 180m	180 → 350m	0 → 25m	25 → 250m	250 → 350m		
Side of track °	E.	E.	E.	W	W	W		
Landform x	S.Cut.	Emb.	S.Cut.	Wall	Emb.	C.Emb.		
Aspect-degrees	280°	100°	280°	280°	280°	280°		
Width-metres	→18m	→12m	→22m	5m	→15m	→20m		
Disturbance +	—	m.Tip	—	—	Spray	—		

- * If site is both sides of access point, precede distance by cardinal point
 o Indicate side of track by compass cardinal point
 x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
 + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Good woodland with a number of less common spp including Phlegopteris & Gymnocarpium dryopteris; Bromus lanosus is local in W. Scotland. Josonia is a generally local plant. Rubus saxatilis may indicate base enrichment. Pyrola minor is commoner off B.A. here but is a rare sp. in W. Scotland woodlands.

General veg characteristics and habitat description indicate side of track:

The East side began with a damp rock cutting above standing water in the caes. The face is colonized by a variety of ferns, notably Polypodium, and many acrocarpous moss cushions. Josonia is present. The gentler upper slope is colonized by young rowan, oak & birch scrub over Arenaria, Vaccinium & Viola plus occasional Molinia and large areas of Hynum, Eurhynchium prostratum etc. [column 1]. There is a short area of embankment further N, where the cinder is completely colonized by Corylus, Rubus idaeus & Pteridium plus young Fraxinus. There are occasional plants of Rubus saxatilis & a few orchids. [column 2]. The rest of the E side is similar to col. 1 but less steep and with much Junca sylvatica additional on the rocky area as well as above. Plurocarpous mosses are abundant, with Erica cinerea & young oak. Athyrium & Dryopteris are v. common on the gentler slopes to the north & above the rocks. [column 3]. By the bridge on the W side the river runs right by the line with a high retaining wall going from the caes level down to the water. Saxifraga hypnoides — probably an escaped grass on the top with sparse mosses [column 4]. Much of the W side is on embankment with a low cinder ridge by the line. The cinder has low forest scrub with ash over Gymnocarpium, Junca sylvatica & Rubus saxatilis plus other ferns. Phlegopteris is found in patches on the scrub edge. [column 5]. In the north end there is a low cutting by the line with similar veg. to col. 3 but no rock exposures and with the tree trunks heavily moss colonized. On the slope down from this ridge to the river is mature upland oak woodland over an open field layer of Pteridium, and ground cover of abundant Gymnocarpium, Lonicera, Arenaria, Vaccinium, Blechnum & Junca sylvatica with a rich growth of plurocarpous mosses. [column 6]. A somewhat similar area occurs near the AP by the river but here Oxalis, Viola & Holcus mollis grow with Galium odoratum in a more floriferous type [column 5]. Pyrola occurs by the E fence S of the AP in light scrub, commoner in NL field.

PREFERRED MANAGEMENT

Little needed, but control of extent of spray.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Marked spray affects esp. on W side. Some scrub cutting near the line in the N. Cinder dumping on all the embankments.

28.7.80 Jom.

SITE NAME Allt Nathais		RECORDER D. Sargent	WEATHER Cloudy - c. 80% cover, some sunshine. Very close and with high pressure.	LANDFORM 1 2 3 4 5 6 7 Mainly a rock cutting on the E. with gullies cutting above it & embankment to W. down to Allt. But some emb. on E., and a ridge on the W. side at one point before the -ve slope.
M.P. 60 1/4	TIPPING Cinder, locally quite heavy but generally colonized	DATE 29.7.80	TIME 1730 → 1815	
COUNTY Smethleyde [Fryall]	N.L.U. Woodland Drives.			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	0	60	700	The west side is mainly oak woodland with varied ground cover, and scrub on cinder by the line. The east side has a rock cutting with some localised heath, veg. growing with above the scrub & bracken. Brambles etc. & scrub occur on the low E. embankment. A high retaining wall by the Allt at the AP. V. good cover for small birds, much insect life and food. There is also good diversity for small mammals & there is strong evidence of fox activity - though no live animals noted. The river adds other habitats but is not in B.P. Typical of the region but with variety.	Birds (small)	2	3	3
1	0	150	700		Birds (large)	2	1	1
1	3	5	700		Mamm. (small)	2	2	2
4	3	5	745		Mamm. (large)	1	2	1
4	3	5	745		Other verts.	.	2	1
6	8	1	745		Lepidoptera	2	.	1
					Other insects	2	2	2
					Other inverts.	2	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
					Small white butterfly Tabanid flies Ceratopogonid midges Various: Other Diptera	1 3 6 6
contd. over			contd. over		contd. over	
Willow Warbler Chaffinch Herring Gull House Martin	4720 5530 2560 3640	1 1 1 1	Slow-worm	1		
contd. over			contd. over		contd. over	

SPECIES LIST OF ANIMALS contd.

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS..	ORD.

CASUALTY LIST OF ANIMALS RECORDED ON B.R.

			Fox (skelton)	1		

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Fersit

Map Ref NN35.78 Data bank ref
etc.

NCC Region North-west Scotland County Highland [Lochaber] Internal ref 8212

STATUS

<u>Part of</u>	Adjacent to	NNR	PNNR	LNR	<u>SSSI</u>	<u>Glac. Roy.</u>
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Chosen for combination of remoteness & relative ease of access.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Ruderal habitats at high elevation, plus scrub, colonising pine, heather, bog etc.
)
Geological)

RAILWAY REGION Scottish DIVISION Glasgow AREA North

Address of Area Civil Engrs Office Mr. G.E. Hetherwick (C.E.)
Telephone number

Blythswood House
GLASGOW

Tel. No. 041-332.9811 extn. 3544

Name of railway line Glasgow -> Mallaig

Access at Minor road bridge over at NN 352781

Mileage post 80 -> 80 3/4

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref

VISITS

Date	By whom	Assessment/Action
<u>31st July 1980</u>	<u>Dr. C.M. Sargent</u> <u>D. Sargent &</u> <u>J.O. Mountford</u>	<u>Interesting near Fersit itself for the large number of lowland or disturbed ground spp. present by the line. Further N.A.S. some good semi-natural vegetation of pine, moor, birch & bog drains with a number of more local spp. V. good species list & especially in the S. extent make it a valuable average BR site though probably not exceptional in the local context.</u> <u>* Suggest that further survey be made. S. from MP 80 toward Dalnaspide Loch Treig be made. Probably further work down into Glac. Spear would be productive. This outpost of railway vegetation is interesting but in conservation terms it appears that the BR land encompassing the further</u> <u>from Fersit are walked.</u> Continue over 1

FILE OPENED BY ITE Marks Wood

DATE 15th Dec 1980

SITE NAME Fusit

CDB ref

Altitude 700' → 850'

Local Geology

Probably Moraine over either Metamorphic rocks of Loch Traig Schists (coarse grey mica gneiss or schists) or Fide Flags (banded prismatic gneisses with micaceous laminae)

Neighbouring landuses Moor, river, garden, bog, broadleaved wood.

DIRECTION FROM ACCESS

N	E	W	S	E	W
---	---	---	---	---	---

or **BOTH**

Dist from * access point	N.O → 30m.	N.O → 200m.	N.200 → 300m.	N.O → 300m.	S.O → 100m.	S.100 → 400m.	S.O → 200m.	S.200 → 400m.
Side of track °	E.	E.	E.	W.	E.	E.	W.	W.
Landform x	S.Cut.	Cut.	Flat	Com.	Cut.	C.Cut.	Flat	Emb.
Aspect-degrees	300°	300°	—	gn.300°	300°	300°	—	300°
Width-metres	5m.	→15m.	→4m.	→7m.	→15m.	→15m.	→2m.	→35m.
Disturbance †	Spray.	—	Spray.	Clear etc.	—	—	Spray.	—

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Less common natives include Trientalis & Phragmites, Ranunculus longifolius. Silene vulgaris & Pteris aquilina are all natives which have probably spread here due to the line, the first two are rare in W. Scotland. The other introductions of interest include both Pitcairnia spp., Salix decipiens, Taraxacum, Rosa rugosa & Mentha spicata. Over 100 spp.

General vegn characteristics and habitat description indicate side of track

A low rock cutting is crossed by the AP bridge with Polypodium, Festuca vivipara & Ooocarpus mosses. The best development is on the East side N. of the road. An old demolished platform occurs SW. of the AP aka. [column 1]. The E. bank N. from the AP is mainly covered in birch scrub (c. 5m) with rover and bracken over Vaccinium & Molinia. The latter becomes dominant with Myrica, Sphagnum & a few ferns in open boggy areas within the scrub. Trientalis is local by the scrub edge and a low retaining wall occurs by the line on cutting edge [column 2]. Near the houses of N. Fusit there is a narrow flat of grass and bracken herb-rich with tormentil and Cirsium heterophyllum. Some garden escapes occur here and Ranunculus repens is abundant. Further North there is birch/sallows scrub on a low cutting going way to an embankment with rover, chamy and much Sphagnum development by the fence [column 3]. The west side is generally narrower (as little as 20cm) and has loco birch & sallows scrub to 2m, plus Molinia, Deschampsia flexuosa, grassland, and some bog where the embankment is higher [column 4]. To the S. of the AP, the east side is a flat similar to column 2 and has a burn crossing it. There is, however, rather more variety with some tall deciduous trees, some coarse grassland & rather more hausthor [column 5]. The En end is mainly self-seeded pine woodland to 10m, over Calluna & Erica swards. The pine thins out near the line & does a scattering of Trientalis. larix is locally co-dominant. Best bracken occurs, as [column 6]. The West side begins with the remnant of an old platform & some disturbed grassland, this rapidly narrows to a generally bare strip under birch rooted on the NL [column 7]. Finally the burn widens greatly in the S. to give a large gentle meadow embankment mainly covered in Calluna. There is a lot of low pine colonising near the line & further away this forms a dense canopy up to 7m high. This thins out once more towards the line. [column 8].

PREFERRED MANAGEMENT

Some grazing very locally.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Spray; marked symptoms by line. Some clearance of scrub near line in NW. [The pine marked on the map adjacent to column 5/6 is largely killed].

31.7.80 gom.

Additional Species
NAME

CODE

001	Acet. mull	0874	virf	185	rofe	269	omnu	363	myar	460	Pleu scum	545	pauc	681	Adel	790	Leio	883	Levy
003	Acro cord	0897	arce	186	schf	272	ruly	364	siri	461	suba	547	puit	683	Anst orca	791	bant	884	plan
005	giga	0892	lane	188	subc	273	virf	365	piri	462	Pleu squa	549	recl	684	Anst doni	794	murb	885	plat
006	sem	090	bico	189	varl	274	Font	366	Lept rupa	463	Pleu schr	548	thir	685	Anth jula	795	Lejo	886	lbud
007	virf	091	cana	190	enit	275	enit	367	Lept smit	464	Pleu acum	550	novs	686	Anth Nuan	797	lisma	887	quid
008	Alol	092	capl	191	grac	276	grac	368	Lept flex	465	albi	551	Sema	687	Apha mter	801	error	888	PUU
009	Alol	093	capl	192	aqua	277	aqua	369	Lept pol	466	annot	554	Spha	691	Barb mter	802	lonie	889	puik
010	amb	094	doni	193	uncr	278	Funa	370	Lept glau	467	erud	555	comp	692	Barb slls	803	patc	890	Radiv aqu
011	amb	095	tryl	194	atle	279	atle	371	Lept leuc	468	delu	556	comp	693	Barb slls	804	biac	891	comp
012	amb	096	tryl	195	atle	280	atle	372	Lept leuc	469	delu	557	comp	694	Barb slls	805	biac	892	comp
013	amb	097	tryl	196	atle	281	atle	373	Lept leuc	470	delu	558	comp	695	Barb slls	806	biac	893	comp
014	amb	098	tryl	197	atle	282	atle	374	Lept leuc	471	delu	559	comp	696	Barb slls	807	biac	894	comp
015	amb	100	tryl	198	atle	283	atle	375	Lept leuc	472	delu	560	comp	697	Barb slls	808	biac	895	comp
016	amb	107	tryl	199	atle	284	atle	376	Lept leuc	473	delu	561	comp	698	Barb slls	809	biac	896	comp
019	comp	110	tryl	200	atle	285	atle	377	Lept leuc	474	delu	562	comp	699	Barb slls	810	biac	897	comp
020	comp	111	tryl	201	atle	286	atle	378	Lept leuc	475	delu	563	comp	700	Barb slls	811	biac	898	comp
021	comp	112	tryl	202	atle	287	atle	379	Lept leuc	476	delu	564	comp	701	Barb slls	812	biac	899	comp
022	comp	113	tryl	203	atle	288	atle	380	Lept leuc	477	delu	565	comp	702	Barb slls	813	biac	900	comp
023	comp	114	tryl	204	atle	289	atle	381	Lept leuc	478	delu	566	comp	703	Barb slls	814	biac	901	comp
024	comp	115	tryl	205	atle	290	atle	382	Lept leuc	479	delu	567	comp	704	Barb slls	815	biac	902	comp
025	comp	116	tryl	206	atle	291	atle	383	Lept leuc	480	delu	568	comp	705	Barb slls	816	biac	903	comp
026	comp	117	tryl	207	atle	292	atle	384	Lept leuc	481	delu	569	comp	706	Barb slls	817	biac	904	comp
027	comp	118	tryl	208	atle	293	atle	385	Lept leuc	482	delu	570	comp	707	Barb slls	818	biac	905	comp
028	comp	119	tryl	209	atle	294	atle	386	Lept leuc	483	delu	571	comp	708	Barb slls	819	biac	906	comp
029	comp	120	tryl	210	atle	295	atle	387	Lept leuc	484	delu	572	comp	709	Barb slls	820	biac	907	comp
030	comp	121	tryl	211	atle	296	atle	388	Lept leuc	485	delu	573	comp	710	Barb slls	821	biac	908	comp
031	comp	122	tryl	212	atle	297	atle	389	Lept leuc	486	delu	574	comp	711	Barb slls	822	biac	909	comp
032	comp	123	tryl	213	atle	298	atle	390	Lept leuc	487	delu	575	comp	712	Barb slls	823	biac	910	comp
033	comp	124	tryl	214	atle	299	atle	391	Lept leuc	488	delu	576	comp	713	Barb slls	824	biac	911	comp
034	comp	125	tryl	215	atle	300	atle	392	Lept leuc	489	delu	577	comp	714	Barb slls	825	biac	912	comp
035	comp	126	tryl	216	atle	301	atle	393	Lept leuc	490	delu	578	comp	715	Barb slls	826	biac	913	comp
036	comp	127	tryl	217	atle	302	atle	394	Lept leuc	491	delu	579	comp	716	Barb slls	827	biac	914	comp
037	comp	128	tryl	218	atle	303	atle	395	Lept leuc	492	delu	580	comp	717	Barb slls	828	biac	915	comp
038	comp	129	tryl	219	atle	304	atle	396	Lept leuc	493	delu	581	comp	718	Barb slls	829	biac	916	comp
039	comp	130	tryl	220	atle	305	atle	397	Lept leuc	494	delu	582	comp	719	Barb slls	830	biac	917	comp
040	comp	131	tryl	221	atle	306	atle	398	Lept leuc	495	delu	583	comp	720	Barb slls	831	biac	918	comp
041	comp	132	tryl	222	atle	307	atle	399	Lept leuc	496	delu	584	comp	721	Barb slls	832	biac	919	comp
042	comp	133	tryl	223	atle	308	atle	400	Lept leuc	497	delu	585	comp	722	Barb slls	833	biac	920	comp
043	comp	134	tryl	224	atle	309	atle	401	Lept leuc	498	delu	586	comp	723	Barb slls	834	biac	921	comp
044	comp	135	tryl	225	atle	310	atle	402	Lept leuc	499	delu	587	comp	724	Barb slls	835	biac	922	comp
045	comp	136	tryl	226	atle	311	atle	403	Lept leuc	500	delu	588	comp	725	Barb slls	836	biac	923	comp
046	comp	137	tryl	227	atle	312	atle	404	Lept leuc	501	delu	589	comp	726	Barb slls	837	biac	924	comp
047	comp	138	tryl	228	atle	313	atle	405	Lept leuc	502	delu	590	comp	727	Barb slls	838	biac	925	comp
048	comp	139	tryl	229	atle	314	atle	406	Lept leuc	503	delu	591	comp	728	Barb slls	839	biac	926	comp
049	comp	140	tryl	230	atle	315	atle	407	Lept leuc	504	delu	592	comp	729	Barb slls	840	biac	927	comp
050	comp	141	tryl	231	atle	316	atle	408	Lept leuc	505	delu	593	comp	730	Barb slls	841	biac	928	comp
051	comp	142	tryl	232	atle	317	atle	409	Lept leuc	506	delu	594	comp	731	Barb slls	842	biac	929	comp
052	comp	143	tryl	233	atle	318	atle	410	Lept leuc	507	delu	595	comp	732	Barb slls	843	biac	930	comp
053	comp	144	tryl	234	atle	319	atle	411	Lept leuc	508	delu	596	comp	733	Barb slls	844	biac	931	comp
054	comp	145	tryl	235	atle	320	atle	412	Lept leuc	509	delu	597	comp	734	Barb slls	845	biac	932	comp
055	comp	146	tryl	236	atle	321	atle	413	Lept leuc	510	delu	598	comp	735	Barb slls	846	biac	933	comp
056	comp	147	tryl	237	atle	322	atle	414	Lept leuc	511	delu	599	comp	736	Barb slls	847	biac	934	comp
057	comp	148	tryl	238	atle	323	atle	415	Lept leuc	512	delu	600	comp	737	Barb slls	848	biac	935	comp
058	comp	149	tryl	239	atle	324	atle	416	Lept leuc	513	delu	601	comp	738	Barb slls	849	biac	936	comp
059	comp	150	tryl	240	atle	325	atle	417	Lept leuc	514	delu	602	comp	739	Barb slls	850	biac	937	comp
060	comp	151	tryl	241	atle	326	atle	418	Lept leuc	515	delu	603	comp	740	Barb slls	851	biac	938	comp
061	comp	152	tryl	242	atle	327	atle	419	Lept leuc	516	delu	604	comp	741	Barb slls	852	biac	939	comp
062	comp	153	tryl	243	atle	328	atle	420	Lept leuc	517	delu	605	comp	742	Barb slls	853	biac	940	comp
063	comp	154	tryl	244	atle	329	atle	421	Lept leuc	518	delu	606	comp	743	Barb slls	854	biac	941	comp
064	comp	155	tryl	245	atle	330	atle	422	Lept leuc	519	delu	607	comp	744	Barb slls	855	biac	942	comp
065	comp	156	tryl	246	atle	331	atle	423	Lept leuc	520	delu	608	comp	745	Barb slls	856	biac	943	comp
066	comp	157	tryl	247	atle	332	atle	424	Lept leuc	521	delu	609	comp	746	Barb slls	857	biac	944	comp
067	comp	158	tryl	248	atle	333	atle	425	Lept leuc	522	delu	610	comp	747	Barb slls	858	biac	945	comp
068	comp	159	tryl	249	atle	334	atle	426	Lept leuc	523	delu	611	comp	748	Barb slls	859	biac	946	comp
069	comp	160	tryl	250	atle	335	atle	427	Lept leuc	524	delu	612	comp	749	Barb slls	860	biac	947	comp
070	comp	161	tryl	251	atle	336	atle	428	Lept leuc	525	delu	613	comp	750	Barb slls	861	biac	948	comp
071	comp	162	tryl	252	atle	337	atle	429	Lept leuc	526	delu	614	comp	751	Barb slls	862	biac	949	comp
072	comp	163	tryl	253	atle	338	atle	430	Lept leuc	527	delu	615	comp	752	Barb slls	863	biac	950	comp
073	comp	164	tryl	254	atle	339	atle	431	Lept leuc	528	delu	616	comp	753	Barb slls	864	biac	951	comp
074	comp	165	tryl	255	atle	340	atle	432	Lept leuc	529	delu	617	comp	754	Barb slls	865	biac	952	comp
075	comp	166	tryl	256	atle	341	atle	433	Lept leuc	530	delu	618	comp	755	Barb slls	866	biac	953	comp
076	comp	167	tryl	257	atle	342	atle	434	Lept leuc	531	delu	619	comp	756	Barb slls	867	biac	954	comp
077	comp	168	tryl	258	atle	343	atle	435	Lept leuc	532	delu	620	comp	757	Barb slls	868	biac	955	comp
078	comp	169	tryl	259	atle	344	atle	436	Lept leuc	533	delu	621	comp	758	Barb slls	869	biac	956	comp
079	comp	170	tryl	260	atle	345	atle	437	Lept leuc	534	delu	622	comp	759	Barb slls	870	biac	957	comp
080	comp	171	tr																

	Sc	G	N	B212
SITE NAME Forsit	RECORDER D. Sargent	WEATHER c. 80° cloud becoming almost complete. Some sun early on. Light breeze becoming fresh with shower. Quite warm.		LANDFORM 1 2 3 4 5 6 7 In generally positive slope to E. Negative to W. with some flat merging into gentle slopes on both sides.
M.P. 80 → 80 3/4	TIPPING V. local & mainly colonized under	DATE 31.7.80		TIME 1530 → 1705.
COUNTY Highland [Lochaber]	N.L.U. Moor, river, deciduous woodlands, bog, garden A house			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	0	5	700	Excellent diverse site with large areas of self-seeded pine & natural birch scrub plus boggy grassland, rock outcrops & marginal areas of heather, under etc. Small pieces of dry grassland & deciduous woodland occur also. The moor is a moorland context means this is probably a good BA site giving a positive contribution to the area. Local populations are likely to be varied due to number of plant spp. & structural range. The surrounding moor have deer & grouse but much of the rest cover commoner on BA than off.	Birds (small)	3	3	3
0	3	20	700		Birds (large)	2	2	2
1	0	20	745		Mamm. (small)	2	1	1
1	4	5	745		Mamm. (large)	1	1	1
1	5	10	745		Other verte.		2	1
2	1	10	700		Lepidoptera	2		1
4	3	5	745		Other insects	3	3	3
4	8	5	745		Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	COUNT
Blue Tit	3800	1	Adder	1	<u>Carex nemoralis</u>	1
Chaffinch	5550	3			<u>Pierid butterflies</u>	3
Willow Warbler	4720	1			<u>Satyrid</u>	3
Tree Pipit	4970	1			<u>Trichoniscus pusillus</u>	1
House Sparrow	5250	1			<u>Necrophagocaryus longicornis</u>	1
					<u>Drassodes cupreus</u>	1
					<u>Myrmica rubra</u>	6
					Various: <u>Gastropoda</u>	1
contd. over			contd. over		contd. over	
Heron	0390	1				
Burrod	1150	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Beasdale Map Ref NM710850 Data bank ref

NCC Region North-west Scotland County Highland [Lochaber] Internal ref R324

STATUS Part of Adjacent to MNR PNNR INR SSSI Botanical & Geological

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST Plants General Local Rare Very rare
Animals Insects Reptiles Birds Mammals

Habitat) describe - Rock cutting with runnels, heather moor, birch woodland & bracken. Some grassland locally.
Geological) - Exposures of vast thicknesses of Moine and sub-Moine schists of the Morar anticline (Pre-Cambrian).

RAILWAY REGION Scottish DIVISION Glasgow AREA North

Address of Area Civil Engrs Office Mr. G. E. Hetherwick (D.C.E.)
Telephone number Blythswood House

Tel. No. 041-332.9811 GLASGOW Extn. 3544

Name of railway line Glasgow -> Mallaig

Access at Beasdale Station at NM709850 Mileage post 28 1/2

NOTIFICATION

Site notified to BR

Management agreement (see section 3 for detail)

With whom	By whom	Date	Re:

VISITS

Date	By whom	Assessment/Action
1st August 1980	Dr. C. M. Sargent, D. Sargent and J. O. Mantford.	An excellent site with a number of local or rare plants, notably a pair of Oceanic plants: <u>Osmunda</u> & <u>Hypnum</u> and <u>Asplenium</u> . The diversity of habitat, good species list and protected status make this stretch of line outstanding but it appears to be entirely typical of the neighbouring Glen Beasdale SSSI and does not add to that site's value. In BR context, however, very good indeed. * The site is within the bounds of a SSSI and should thus be adequately protected. However some co-operation with B.R. could help maintain the area's worth and allow it to act as a refuge/reservoir should the rest of the SSSI continue overl. be threatened.

FILE OPENED BY ITE Marks Wood

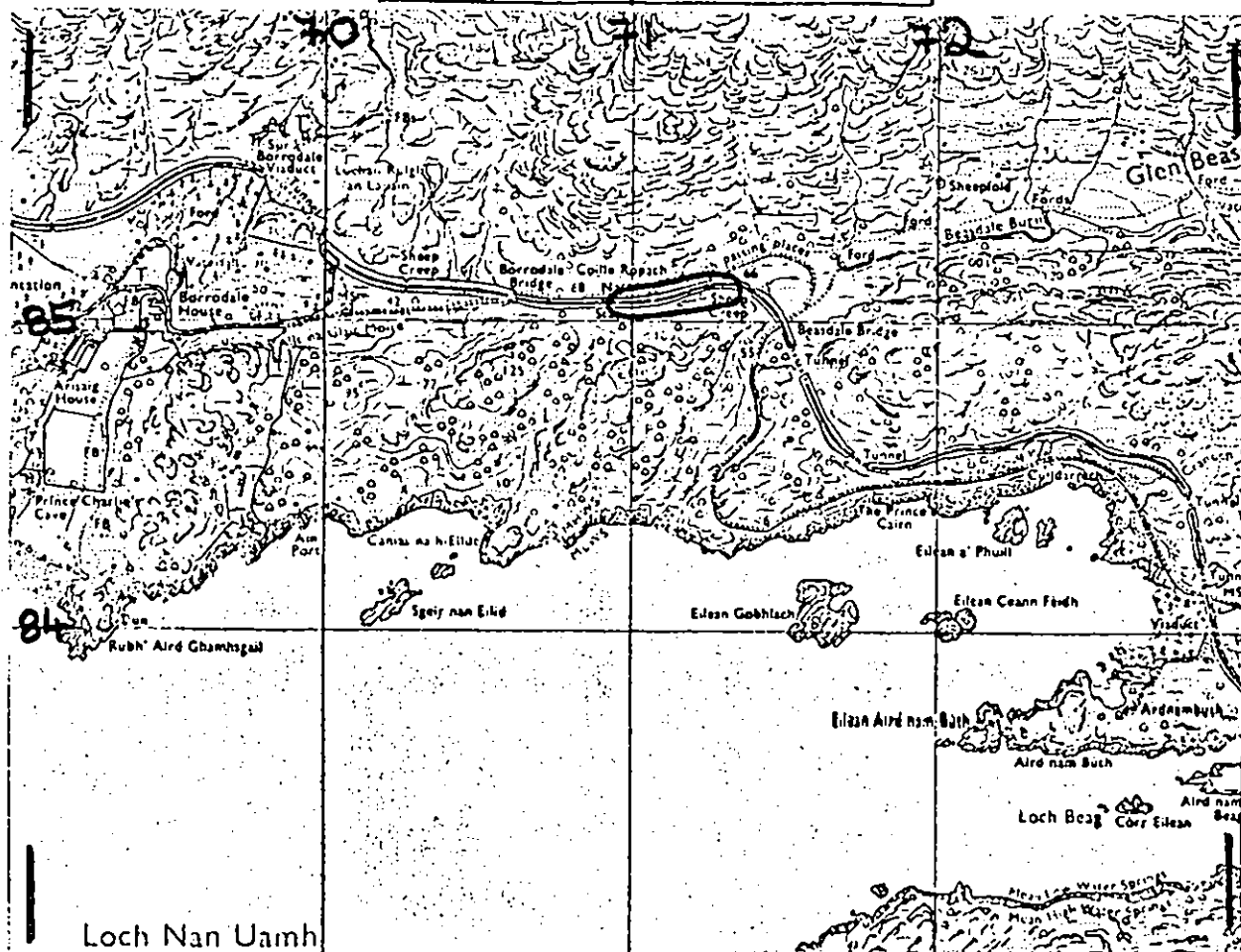
DATE 11th Dec 1980

LOCATION MAP SCALE 1:25000

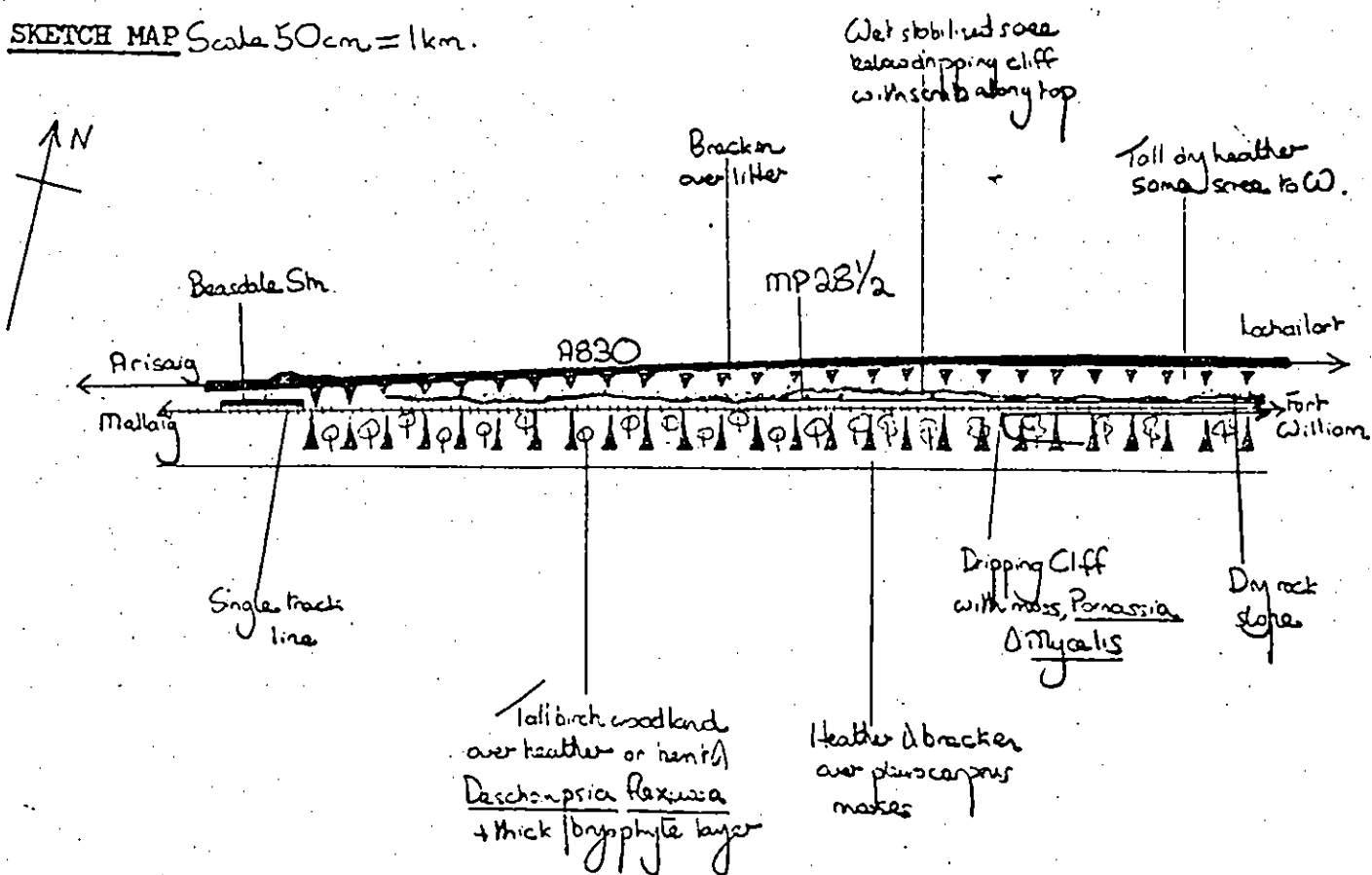
SHEET NO. NM68/78 MAP REF NM710350

LOCATION STATUS

Accurate	Approximate
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SKETCH MAP Scale 50cm = 1km.



Continue overleaf

SITE NAME Beasdale

CDB ref

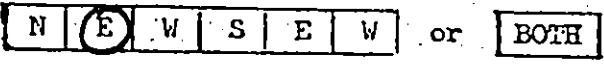
Internal ref R324

Altitude 240'

Local Geology Drift-free. Metamorphic: Mainian; Morar assem-
bly - lower Morar Psammite (mainly siliceous
psammite & rose bands of semi-pelite)

Neighbouring Landuses Moor, deciduous woodland & road.

DIRECTION FROM ACCESS



Dist from * access point	150 → 250m.	150 → 250m.	175m.	150 → 200m.	150 → 200m.	200 → 250m.	150 → 250m.	
Side of track °	S	S	S	N	N	N	N	
Landform x	Cut.	Flat	Burn	Cut	S.Cut.	S.Cut.	Cut.	
Aspect-degrees	c.350°	—	c.350°	c.165°	c.165°	c.165°	165°	
Width-metres	→24m.	10m.	20m.	4m.	5m.	8m.	→13m.	
Disturbance +	Spray/Clear	—	Flow.	Clear	—	Clear	—	

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

The dripping cliffs have a rich flora with a notable basicle element: Tect
portuosa, Trichostomum crispulum, Gymnostomum caruginum & Carex pulicaris. Other local mosses
include Calliergon stramineum, Leptodontium flexifolium and the upland liverwort Tortomaria
quadridentata. Hylocomium androsaceum & Osmunda are Oceanic spp. near their N. limit, as is
Phyllitis. Mycalis is v. rare in W. Scotland, Gymnocarpium is a local plant & Pteroparia becoming rarer.
General Veg characteristics and habitat description indicate side of track

The bulk of the southern side is covered in birch woodland over a ground cover of Calluna, Dryopteris sp.
Athyrium, bent & Anthoxanthum. Deschampsia flexuosa & Sorbus aucuparia are locally common. In
every quadrat pleurocarpus mosses achieved over 50% cover with Hylocomium, Brachia, Hylocomium,
Phyllitidolophus loricatus and Sphagnum spp. common. Near the line a fringe of Salix spp. has been cut
back, the mosses are even commoner & Gymnocarpium locally abundant. [column 2]. The scrub there
out and after a brief transition of fine heath grassland with tall straw etc, the upslopes are dominated
by Calluna over a similar moss layer, some Erica cinerea, Molinia & near the line or to the E. a lot
of emergent bracken. [column 2]. A ditch crossing the bank drains over a dripping cliff into a runnel in
the east end on the wet shaded rocks Mycalis is common with Pteroparia & a variety of cushion mosses
[column 3]. There is a rock cutting along much of the north side. In the west it is shaded by sallows &
birch + rhododendron. Ferns including Phyllitis & Osmunda occur here where it is wet with heather.
Hylocomium androsaceum, Anomobryum, Carex pulicaris, Tortilla etc. Below the cliff on stabilized
soil grass Molinia with Angelica in a coarse grassland with scrub cut back [column 4]. The wet rock
face above also has much Pellia & Fissidens, with Mycalis, Pinguicula & Carex demissa [column 5].
Further east the rock face comes up to the track side and is much less shaded though still locally wet
with Gymnostomum, Calliergon cuspidatum & orchids scattered on ledges where Molinia is the
chief cover. [column 6]. The drip from these rock faces reach a runnel in the east which flows E.
Above the rock faces the slope gradually becomes gentler with areas of soil & boulders. The main
cover on the west is bracken with a little bramble and a few sallows bushes over litter & bare peat
plus a tiny bit of Eurhynchium prostratum. Further east the bushes become more frequent &
the slope is covered in tall heather over a mixture of pleurocarpus mosses similar to that on the
S. side. Birch down are common (up to 2.5m. height) near the cliff, and vegetation is dry [column 7].

PREFERRED MANAGEMENT

A little cutting back or control of heather, removal of invasive rank spp from cliff.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Scrub cutting had occurred all along the track side back to 6m. on the S. A spraying appears
to have accompanied this management, symptoms being noted at over 4m. from the bank edge.

1.8.80 Jpm.

SITE NAME Beardale

CDB ref

Internal ref R324

BRYOPHYTES

DATE 1st August 1980

RECORDER Dr. C.M. Sargent

Additional Species NAME	CODE
Acacu mult	0874
Actro cord	0875
Acusp	0876
Aciga	0877
Acarr	0878
Acarr	0879
Acarr	0880
Acarr	0881
Acarr	0882
Acarr	0883
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Acarr	0999
Acarr	1000

ANIMAL RECORD	REGN. Sc	DIVN. G	AREA N	SITE R324
SITE NAME Beasdale	RECORDER D. Sargent	WEATHER Humid & 100% cloud cover. Brightening later & clearing Warm. Little or no breeze.		LANDFORM ① 2 3 4 5 6 7 Mainly a cutting, steep below leveling off almost of quite to a flat near edges.
M.P. 28 1/2	TIPPING —	DATE 1.8.80	TIME 1505 → 1745	
COUNTY Highland [Lochaber]	N.L.U. Moor, deciduous wood- land & road.			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	0	40	744	large deep cutting with rocky slopes curved into broad woodland on the S. side giving way near fence to heather & bracken. Good cliff on N. side giving way on gentler slope to heather in E. & bracken in W.. Some runs on both side, forming streams in cuts & producing a number of dripping rock faces. Insect populations notably high & combined with good cover & diversity of structure makes this a good site. It is however not exceptional in the local context.	Birds (small)	2	3	3
0	0	15	700		Birds (large)	1	2	2
1	0	20	700		Mamm. (small)	1	1	1
1	4	15	700		Mamm. (large)	1	1	1
3	1	1	703		Other verts.	1	2	2
4	3	10	700		Lepidoptera	2	.	2
4	3	1	703		Other insects	3	3	3
4	8	1	703		Other inverts.	2	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Blue Tit	3800	1			Small White Butterfly	3
Blackbird	4240	1			Various: Satyrine butterflies	3
Sedge Warbler	4500	1			Tabanid flies	4
Willow Warbler	4720	1			Carabopogonid midges	6
House Sparrow	5250	1			Other Diptera	6
Chaffinch	5550	2			Various Hemiptera (Cynloppus)	2
contd. over			contd. over		contd. over	
Collared Dove	3020	1				
Carrier Crow	3681	1				
Hooded Crow	3682	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Lochdhu

Map Ref NH867553 Data bank ref

NCC Region North-east Scotland County Highland [Nairn]

Internal ref 8217

STATUS

Part of	Adjacent to	NNR	PNNR	INR	SSSI	
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Chosen as a cutting in the lowland adjacent to an isolated heath - the latter now planted & developed.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	<u>Rare</u>	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Mixture of coarse & low calcifuge grassland with heath & some scrub colonisation.
)
Geological)

RAILWAY REGION Scottish DIVISION North-eastern

AREA Inverness.

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.C.E.)
Telephone number Perth Station

Tel. No. 0738 21211

Name of railway line Inverness -> Aberdeen

Access at level crossing at NH869553

Mileage post 129 3/4

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Re

VISITS

Date	By whom	Assessment/Action
<u>13th August 1980</u>	<u>H.J. Killick, J.M. Harris & J.O. Mountford.</u>	<u>Since the development of the old heathland for housing & agriculture this site provides a useful relic. A number of interesting plants here occur and a hybrid <u>Galium</u> are interesting as well as the good population of <u>Castanea ovata</u>. Not outstanding but a good example of the value of railways in the agricultural landscape.</u> <u>* Note & examine other cuttings along this line. Several were examined by the ITE group but none were of equal value.</u>

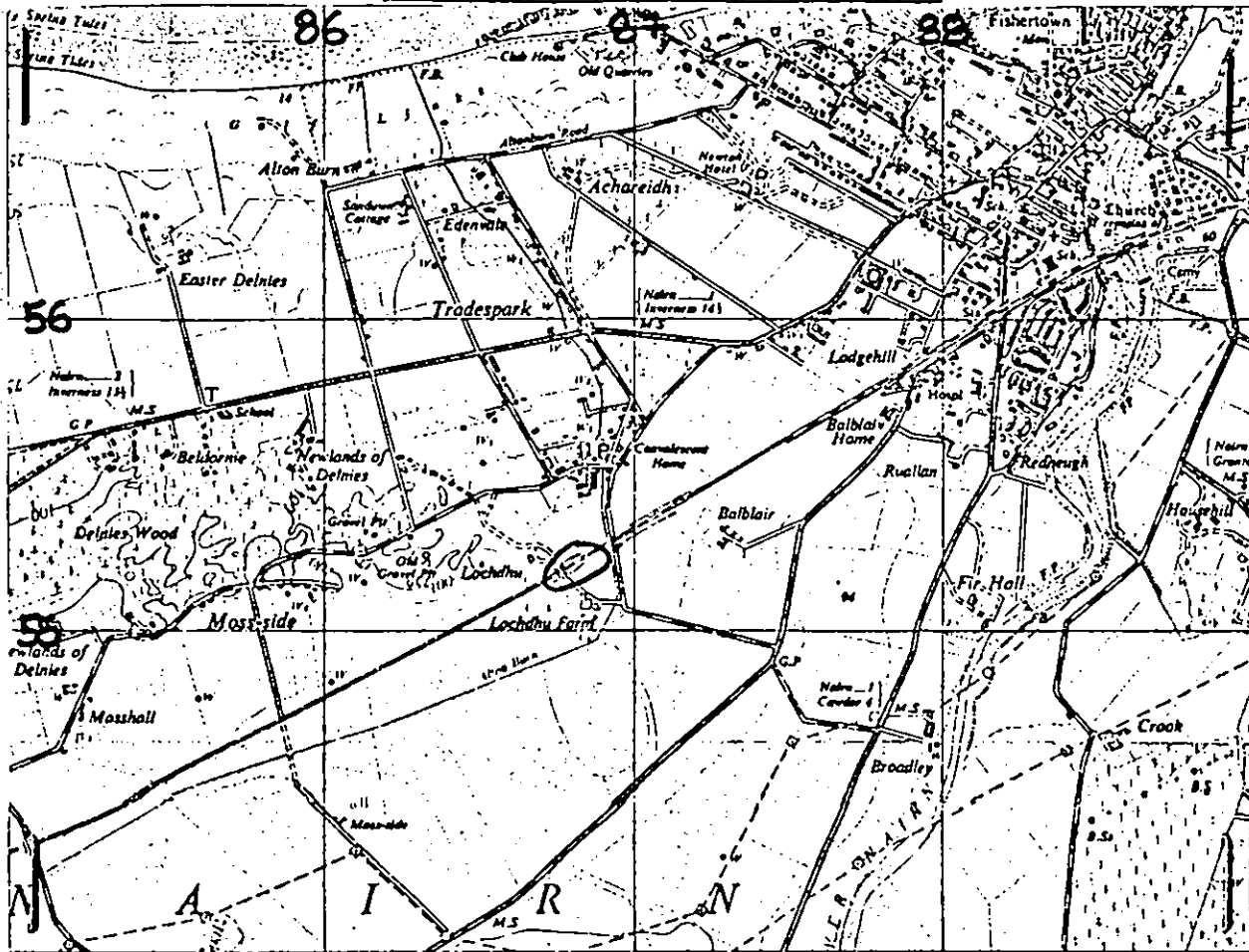
Continue over 1

FILE OPERED BY ITE Monks Wood

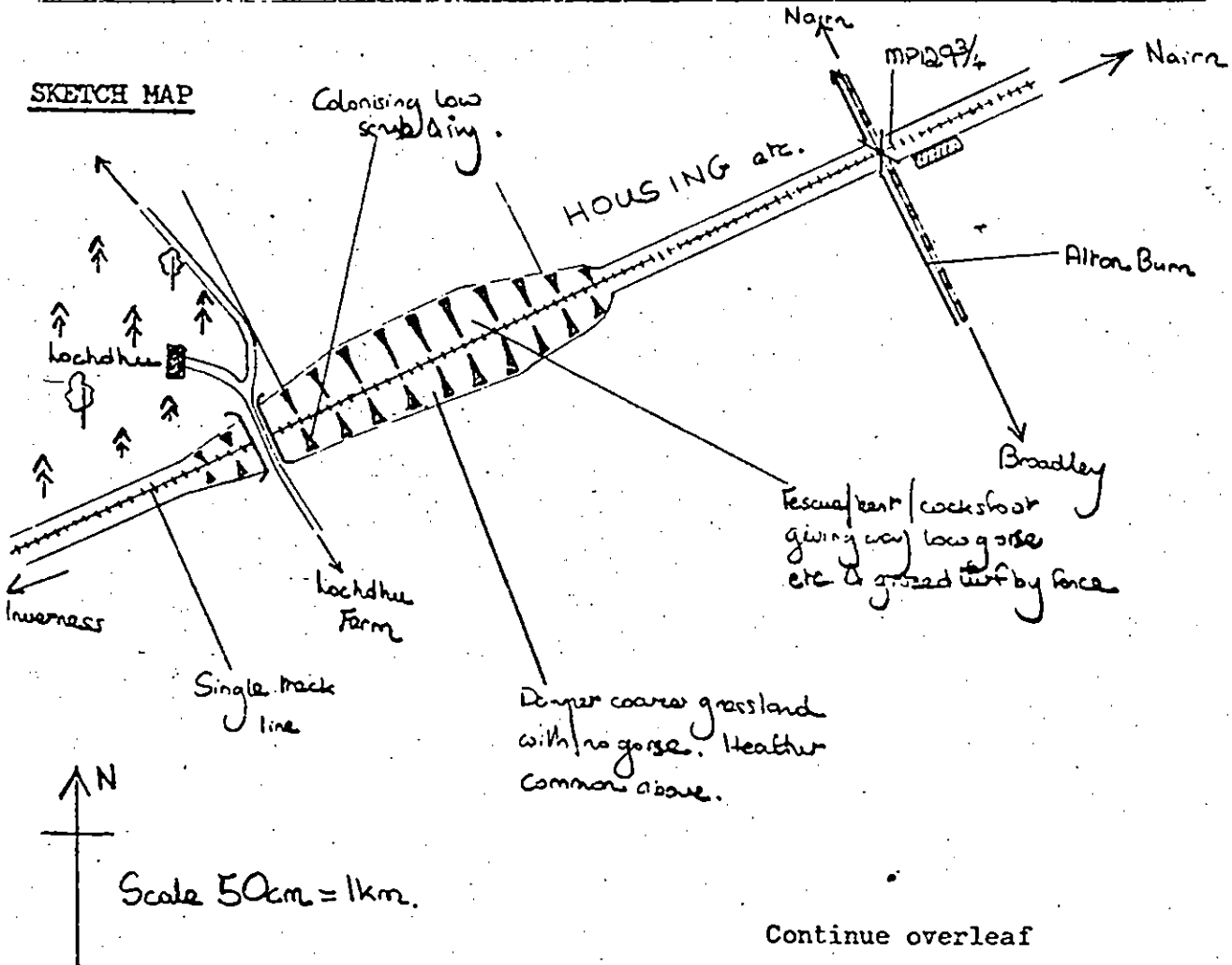
DATE 11th Dec 1980

LOCATION STATUS

<u>Accurate</u>	Approximate
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SKETCH MAP



SITE NAME Lochduh

CDB ref

(Section 3)
Internal ref 8217Altitude 60' → 80'Local Geology Glacial Sand & Gravel over middle Old Red Sandstone - sandstone. Edge of eroded raised beach near AP.Neighbouring landuses Improved rough lowland grassland, mixed woodland

DIRECTION FROM ACCESS

N E W S E Wor BOTH Private housing

Dist from * access point	<u>100 →</u> <u>200m</u>	<u>100 →</u> <u>200m</u>						
Side of track °	<u>N</u>	<u>S</u>						
Landform x	<u>C.Cut</u>	<u>C.Cut</u>						
Aspect-degrees	<u>155°</u>	<u>335°</u>						
Width-metres	<u>→20m</u>	<u>→20m</u>						
Disturbance +	<u>Fire</u>	<u>—</u>						

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Galium x panerium (both parents) rare. Cerastium averse near its northern limit. Relict heather. Colonising alder trees.

General vegn characteristics and habitat description indicate side of track

The north side showed signs of burning especially near the housing and there Holcus mollis dominated the grassland. Elsewhere there is a mosaic of grassland & heath types with much of the lower slopes covered in fescue, bent & cocksfoot, plus locally abundant Anthoxanthum. Plantain is on much of the bank a common forb, and couch occurs where soil disturbance has happened. Patches of low gorse, briar & broom grow on the upper slopes and amongst these is patchy fescue bent with Hypochaeris, Viola, abundant Rhinanthus, Hieracium, Compositae & more rarely heather. By the fence Cerastium averse is common with Stellaria media & low gorse where grazing is having a more marked impact. Near the concrete bridge over it covers much of the bank & young trees account for significant cover [column 1]. The south side is generally similar near the line but coarser, drier & unburnt recently. There are large areas of pleurocal sward, some Arrhenathera colonising birch & butterfly as well as the fescue bent and Holcus Anthoxanthum. There are patches of broom and briar but gorse is almost absent. Near the top of the slope & on the flat there are large areas of Calluna with herb-rich Calcifuge mixed grassland between of bent, fescue, Holcus mollis, Compositae, Rhinanthus, Galium saxatile, Viola, Plantago & Hieracium. Again near the bridge it is common, but the scrub is much more extensive with a lot of Salix. Cerastium averse occurs near the AP. [column 2]

PREFERRED MANAGEMENT

Cutting of grass occasionally to discourage coarse spp.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Accidental? Fire obvious in NE, some signs of old mowing there.

13.8.80 Jom.

ANIMAL RECORD	REGN. Sc	DIVN. NE	AREA I	SITE B217
SITE NAME Lochdhu	RECORDER J.M. Harris	WEATHER 90% cloud cover, but q. bright & com. Slight breeze		LANDFORM 1 (2) 3 4 5 6 7
M.P. 129 3/4	TIPPING —	DATE 13.8.80	TIME 1620 → 1730	
COUNTY Grampian (Name)	N.L.U. Housing & improved grass & mixed woodland			

HABITAT APPRAISAL

A	B	%	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	10	700	Grassy cutting with some scrub encroach- ment to the W end and some relict heath in the E. There are signs of burning & the vegetation is locally disturbed. Though small the cutting provides rough vegetation, with a variety of structure which complements the mixed woodland well. Useful but not above average except for phyto- phagous invertebrates	Birds (small)	2	2	1
1	3	15	700		Birds (large)	2	1	1
1	6	75	loc. 709		Mamm. (small)	2	2	2
					Mamm. (large)	1	1	1
					Other verts.	.	1	1
					Lepidoptera	2	.	2
					Other insects	3	3	3
					Other inverts.	2	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Mallard	0720	1			Vespula sp.	4.
Oystercatcher	1820	1				
Wren	2020	1				
Herring Gull	2560	1				
Woodpigeon	2990	1				
Swift	3270	1				
Swallow	3610	1				
House Martin	3640	2				
Carrier Crow	3681	1				
Rook	3700	1				
Jackdaw	3710	3				
Linnet	5370	1				
contd. over			contd. over		contd. over	
Heron	0390	1				
Black-headed Gull	2630	2				
Chiffchaff	4730	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Fones Station

Map Ref NJ028588 Data bank ref

NCC Region North-east Scotland County Grompion (Moray)

Internal ref 8218

STATUS

Part of	Adjacent to	NNR	PNNR	INR	SSSI	
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County Flora site. State ref - M. McCallum Webster: "Flora of Moray etc" 1978.

Local Information site. State source -

Discovery etc. (Describe) -

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Cinder & ballast Flats.
Geological)

RAILWAY REGION Scottish DIVISION North-eastern

AREA Inverness

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.C.E.)

Telephone number Perth Station

Tel. No. 0738 21211

Name of railway line Inverness -> Aberdeen

Access at Station platform

Mileage post 119 3/4 ΔO.

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref.

VISITS

Date	By whom	Assessment/Action
<u>14th August 1980</u>	<u>Mr. H.J. Killick, J.M. Harris & J.O. Mountford</u>	<u>A good example of varied cinder-flat vegetation with a combination of rarer aliens and spp. Typical of sand-dunes etc. These are recorded in the Flora & number of more generally Southern plants spreading on warm dry cinder soils into N. Scotland.</u> <u>* Likely to be an interesting source of records and may act as a nucleus for the spread of species brought in by the railway</u> <u>Probably of itself not valuable in conservation terms but if some local disturbance is maintained, this and other station yards can contribute to the enrichment of the urban and general flora.</u>

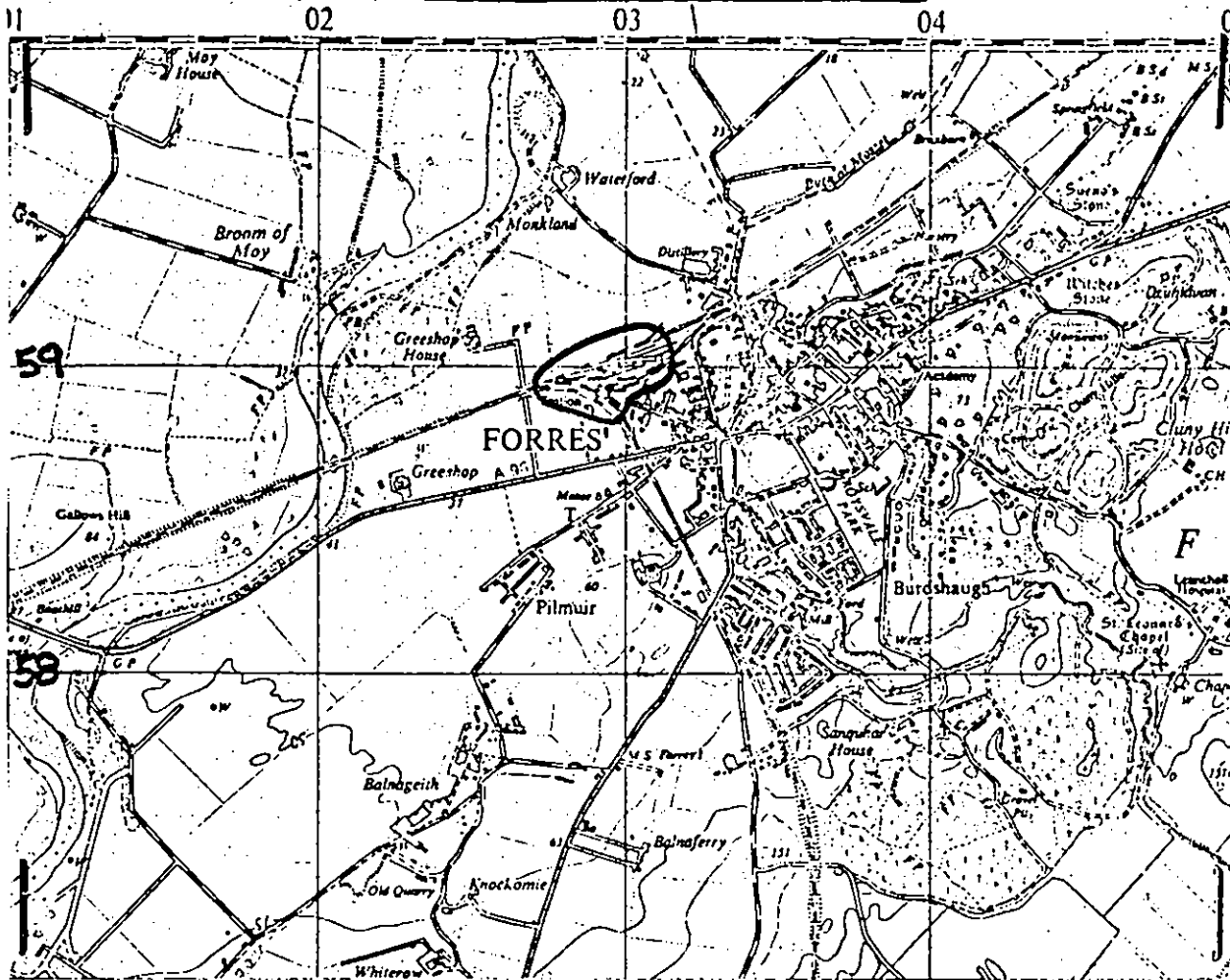
Continue overleaf

FILE OPENED BY ITE, Monks Wood

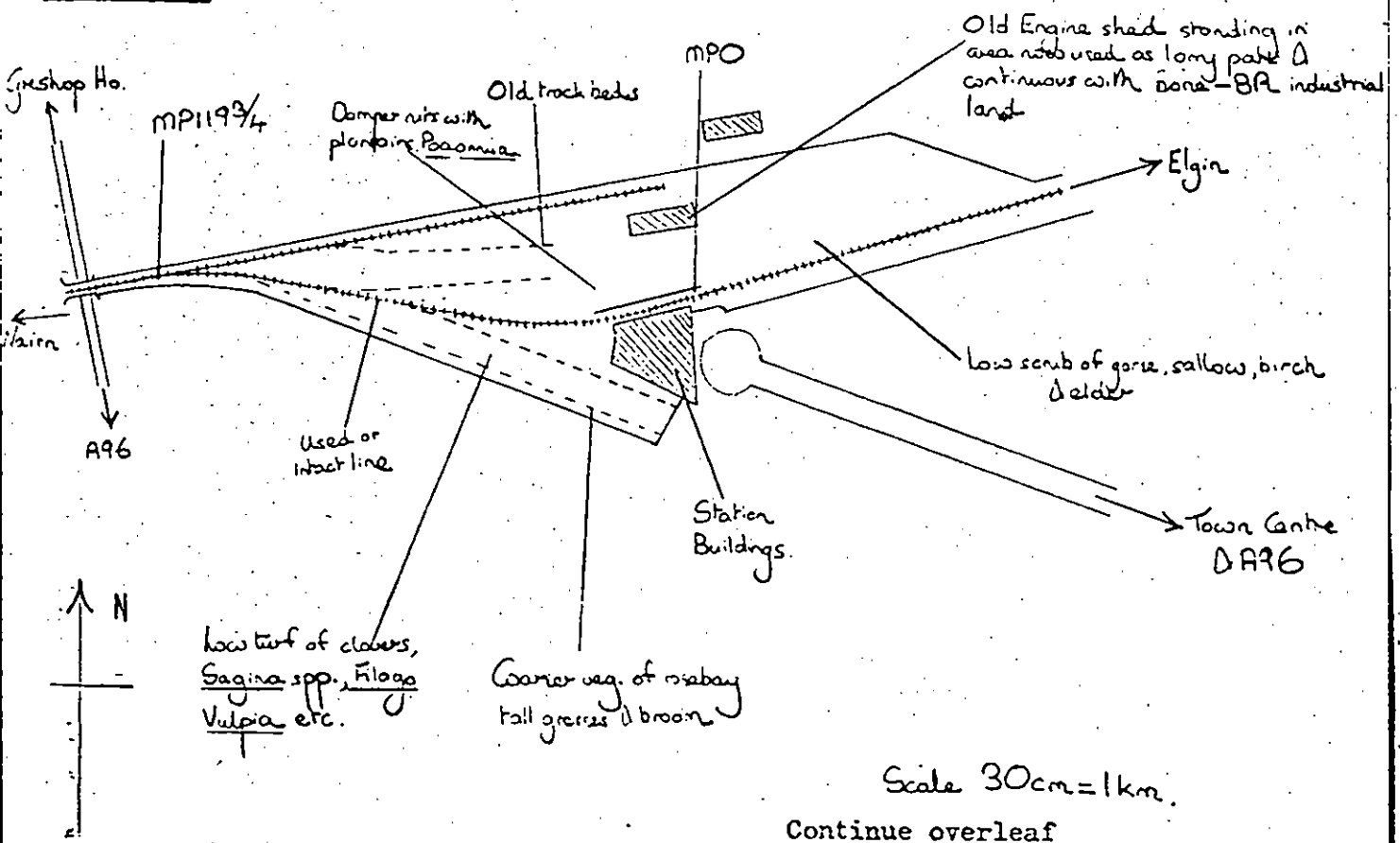
DATE 4th Nov. 1980

LOCATION STATUS

<u>Accurate</u>	Approximate
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SKETCH MAP



SITE NAME Fomes Station

CDB ref

(Section 3)
Internal ref 8218Altitude 30'

Local Geology

First Temese River Alluvium over Upper Old Red SandstoneNeighbouring landuses Arable agriculture, private housing, industrial land.

DIRECTION FROM ACCESS

N E W S E W

or

BOTH

Dist from * access point	<u>E.200 →</u> <u>W.200 ←</u>	<u>E.200 →</u> <u>W.200 ←</u>					
Side of track °	<u>Both</u>	<u>Both</u>					
Landform x	<u>Flat</u>	<u>Flat</u>					
Aspect-degrees	<u>—</u>	<u>—</u>					
Width-metres	<u>Great variety</u>						
Disturbance +	<u>M. Works</u>	<u>—</u>					

- * If site is both sides of access point, precede distance by cardinal point:
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Vulpia myuros, Chaenorchium etc. are recorded. Galeopsis bifida, Epilobium ciliatum, Rasada luteola, Silene x intermedia are either under recorded or spreading in the area. Knautia is a railway plant and very rare in N. Scotland. Viburnum lantana is an uncommon naturalisation and Galystegia pulchra has been known here since 1901.

General vegn characteristics and habitat description indicate side of track

The waste areas were surveyed on both sides of the station. To the west there is an old siding behind the platform on the S. side. A used siding joins the line at MP 143/4 and goes NE behind the N. side of the station to a factory. An old branch to an engine shed is being dismantled. Some of the cinder flats show heavy vehicle pressure and the broad flat to the N may now be industrial land though there is no boundary fence separating it from B.A.. The vegetation follows a very complex mosaic but may be divided into two broad categories. On cinder immediately by the used lines or where pressure due to trampling or exposure spurs the vegetation up, the average height is less than 110 cm. In the broad dry flat of coarse cinder this supports a 'sand-flat' vegetation of Vulpia and Agrostis with Tribolium spp. (T. repens, T. arvense and T. compestre are notably abundant); Filago minima is characteristic and Stachis viscosus is common. Other typical plants include Sagina spp., Spergularia, Anthyllis and among the Bryophytes an abundance of Polytrichum spp.. Where the soil material is finer and darker (coal dust?), the drainage is locally impaired and Poa annua grows with low acrocarpous mosses, plantains and knotgrasses. Slight ridges of cinder have populations of Pilosella aurantiaca [column 1]. In the more ballasted areas, away from old lines or where the ground is uneven a continuous coarse vegetation of herb-rich grassland has developed with rosebay, Dactylis and Holcus lanatus and patches of broom, sallow, birch & alder. The scrub is thickest immediately S of the station but the area NE has more extensive woody growth with gorse, bramble etc as well and good populations of Hypochaeris, lupin, Campanula rapunculoides and Galystegia pulchra. Viburnum lantana occurs here also. [column 2].

PREFERRED MANAGEMENT

Some continued disturbance to maintain diversity.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

None except vehicle pressure & trampling.

14.8.80 gom.

Continue overleaf

ANIMAL RECORD	REGN. Sc	DIVN. NE	AREA I	SITE 8218
SITE NAME Formas Station	RECORDER J.M. Harris	WEATHER Complete cloud cover Dull & mild with slight breeze turning to rain.		LANDFORM ① 2 3 4 5 6 7 Cinder flats - some old platforms etc.
M.P. 1193/4 & O	TIPPING Heavy & continuous	DATE 14.8.80	TIME 0900 → 1030	
COUNTY Grampian (Moray)	N.L.U. Housing, industrial & arable			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
6	5	40	703	Area of flat wastelands by station and on edge of town, with a number of overgrown sidings etc. Very good plant list & excellent feeding for seed-eating & insectivorous birds. Good areas of low scrub especially to E. of used station providing cover. Rather akin in feeding & cover to a large garden. With many species common here on urban fringe, some of which possibly favoured by the kind of site.	Birds (small)	4	2	3
6	9	60	703		Birds (large)	2	1	1
					Mamm. (small)	2	2	2
					Mamm. (large)	1	1	1
					Other verts.	.	1	1
					Lepidoptera	3	.	3
					Other insects	3	3	3
				Other inverts.	3	3	3	

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Swift	3270	4				
Great Tit	3790	1				
Herring Gull	2560	1				
House Martin	3640	2				
Blue Tit	3800	1				
Greenfinch	5330	1				
Whitethroat	4610	1				
Red Wagtail	5032	1				
Willow Warbler	4720	1				
Scallow	3610	1				
Song Thrush	4310	1				
Robin	4000	1				
Chipping Sparrow	1850	4				
Wren	3681	1				
contd. over	✓		contd. over		contd. over	
Blackbird	4240	1				
Jackdaw	3710	1				
contd. over			contd. over		contd. over	

SPECIES LIST OF ANIMALS contd.

BIRDS	CODE	ORD..	OTHER VERTS..	ORD.	INVERTS.	ORD..
House Sparrow Linnat Black-headed Gull	5250 5370 2630	1 1 1				

CASUALTY LIST OF ANIMALS RECORDED ON B.R.

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Achnashalloch.

Map Ref NHO13488 Data bank ref

NCC Region North-west Scotland County Highland (Ross & Crom.) Internal ref R333

STATUS

Part of	Adjacent to	NMR	PNR	LHR	SSSI
---------	-------------	-----	-----	-----	------

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	<u>Rare</u>	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - Bracken, tall herb & fern communities. Damp gullies & rock exposures. Streams & scrub
)
Geological)

RAILWAY REGION Scottish DIVISION North-eastern AREA Inverness

Address of Area Civil Engrs Office Mr. J.D.P.H's (D.C.E.)

Telephone number
Peth Station
TAYSIDE

Tel. No. 0738 21211

Name of railway line Dingwall -> Kyle of Lochalsh

Access at AB90 bridge under at GR. NHO13488 Mileage post 39 3/4

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref

VISITS

Date	By whom	Assessment/Action
<u>15th August 1980</u>	<u>H.J. Killick, J.M. Harris & J.O. Mountford</u>	<u>Rich area adding a considerable number of species to the rough- bushland. Good in the context of the local conifer plantation and interesting in the presence of Sitka spruce colonising. The out- standing feature is the peculiar <u>Sorbus</u> sp. (<u>Cotoneaster</u> sp. growing near track 1. This does not fit in well with any British material (according to P.D. Sell) & needs further investigation. * Note this area of rich Rose and seek to clear some of the bracken. Further fruiting material of the tree is needed. A some investigation into its local status is necessary. Further examination of the line through Glen Comon could be useful.</u>

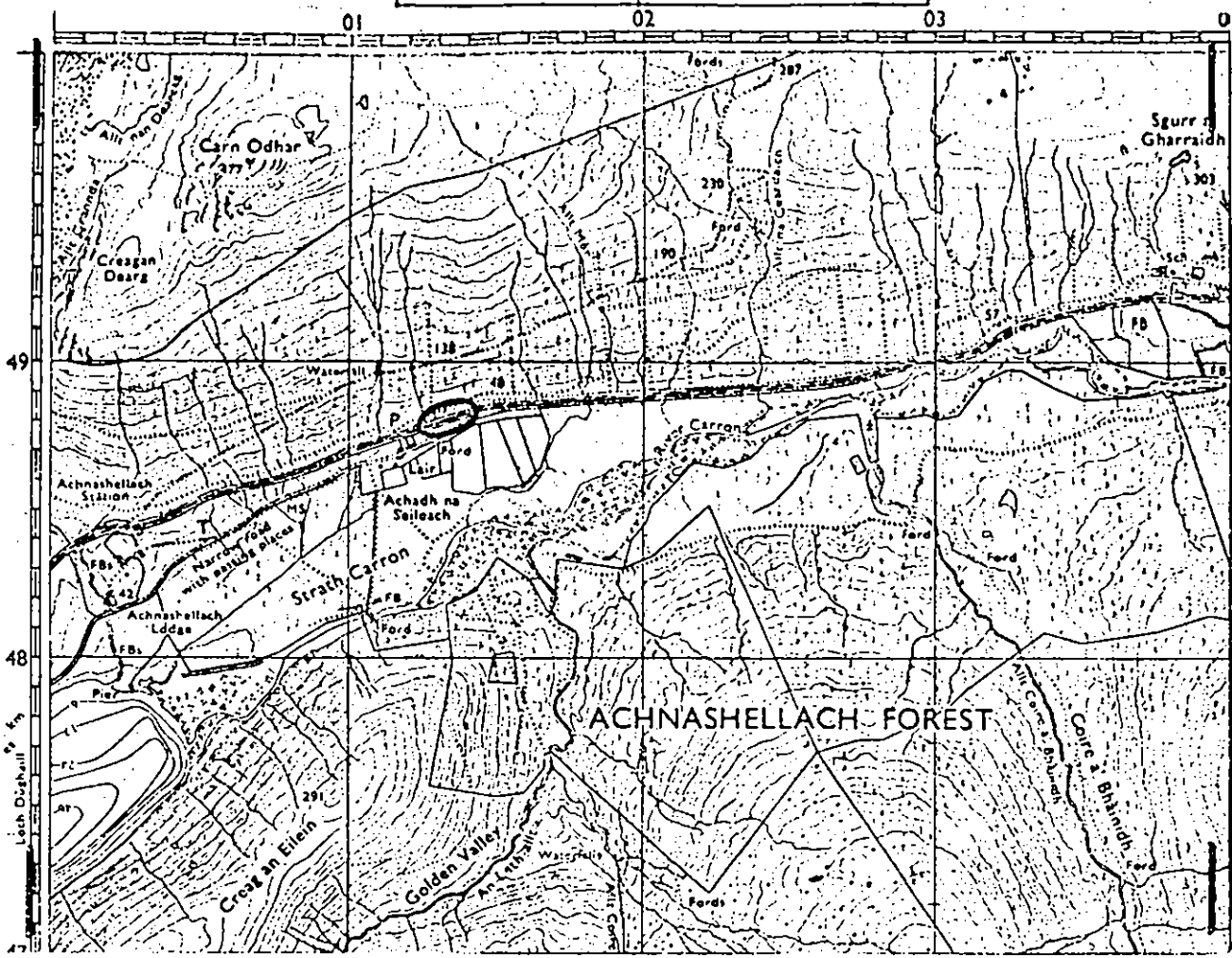
Continue over?

FILE OPENED BY ITE Monks Wood

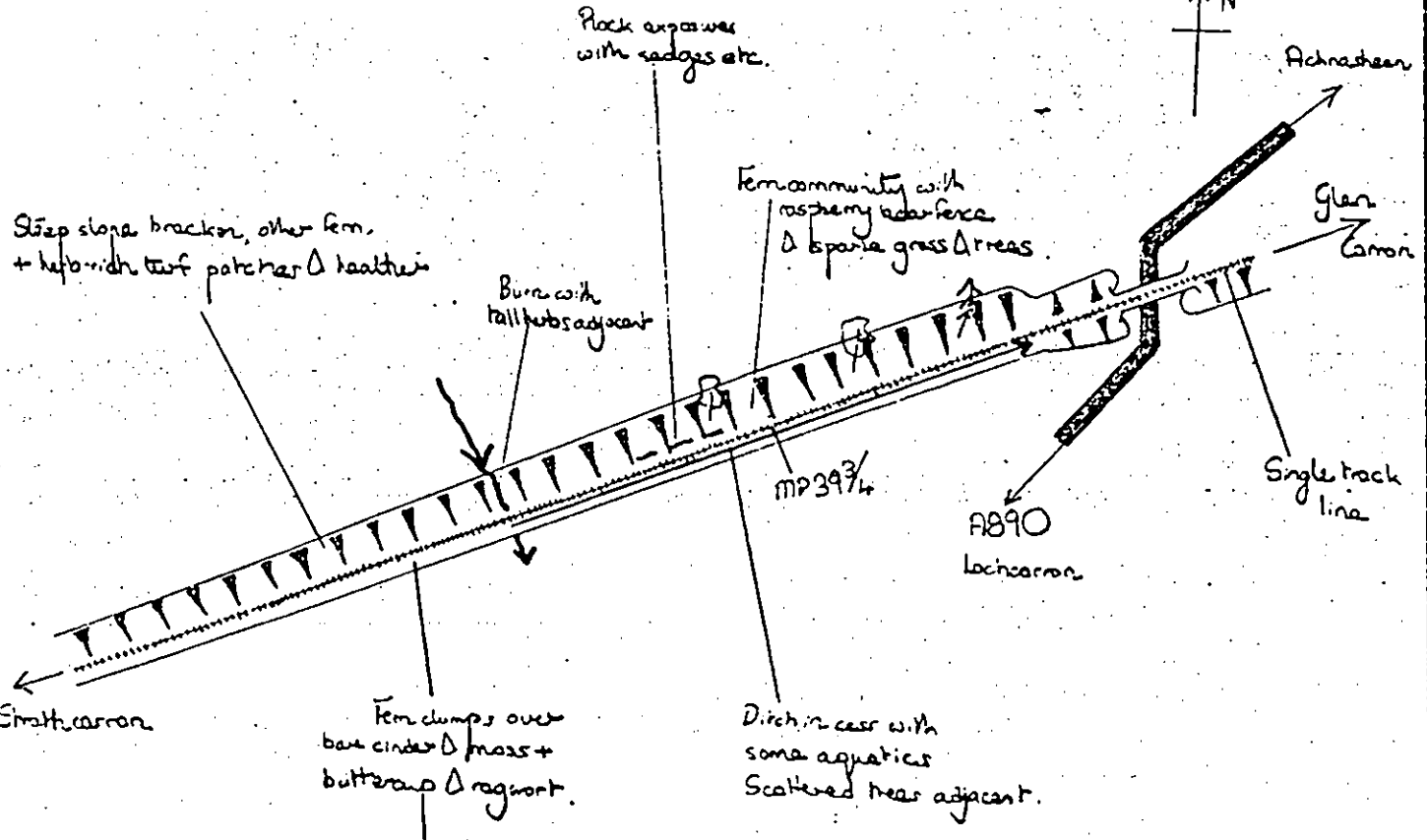
DATE 5th Jan. 1981

LOCATION STATUS

<u>Accurate</u>	Approximate
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SKETCH MAP Scale 50cm = 1km.



Continue overleaf

SITE NAME Achnashallach

CDB ref

Internal ref 8333 (Section 3)

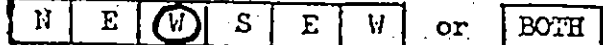
Altitude 160 → 190

Local Geology

Moraine deposits over: at AP undiff schists of Moine Series (unknown age); to W. Igneous Intrus Acid & Hornblende Gneisses of Lewisian Series

Neighbouring landuses Conifer plantation with a little moorland & some deciduous woodland.

DIRECTION FROM ACCESS



Dist from * access point	<u>20 → 250m.</u>	<u>140 → 200m.</u>	<u>180m.</u>	<u>0 → 250m.</u>	<u>0 → 180m.</u>			
Side of track °	<u>N.</u>	<u>N.</u>	<u>N.</u>	<u>S.</u>	<u>S.</u>			
Landform x	<u>Cut.</u>	<u>S. Cut.</u>	<u>Stream</u>	<u>Flat</u>	<u>Ditch</u>			
Aspect-degrees	<u>160°</u>	<u>160°</u>	<u>160°</u>	<u>—</u>	<u>—</u>			
Width-metres	<u>→ 15m.</u>	<u>→ 2m.</u>	<u>c. 14m.</u>	<u>→ 4m.</u>	<u>1m.</u>			
Disturbance +	<u>—</u>	<u>—</u>	<u>Flow.</u>	<u>M. Cind.</u>	<u>—</u>			

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

The peculiar Sorbus sp. is of considerable interest. Carex sylvatica is rare in NW. Scotland, Scirpus setaceus is local and Carex pallascens is a typical species. Blackcap is unknown as a breeder closer than Dingwall and Chiffchaff a species along the W coast disappearing inland.

General vegn characteristics and habitat description indicate side of track

Most of the Northern cutting slope is dominated in large ferns with Dryopteris spp., Athyrium and bracken co-dominant in varying proportions. Raspberry is the other main species, notably more than 20% cover. A generally 10-15% except near the fence in the West. Scrub species are locally significant notably near the AP where alder, pine, Sitka spruce & moss grow. Under the ferns is a patchy grassland generally fine and species-rich especially in the West where fescue, bent & Holcus mainly grow with Succisa, meadow-sweet, meadow, Centaurea nigra, Galium saxatile, tormentil & in deeper shade Epitabium montanum. Patches of heather are frequent. In the poorer ground to the east Deschampsia cespitosa, Molinia are the main grasses with Blechnum & forefane. The vascular plant cover under the ferns is however hardly more than 40% and the rest is litter with extensive patches of hypnoid mosses & Dicranum spp. Carex pallascens & C. sylvatica are scattered [column 1], locally especially near the line and in the east but exposures are found where on danger ledges Carex pulicaris & other Carex spp. are common and heather Abietum are significant. [column 2]. A bush draining Corn Odhar passes through the bank & under but has little different associated with it except where flooding on the east & perdicum / Callitriche grow. The damper cinder between the rails supports a small population of Scirpus setaceus [column 3]. A road probably derived from this burn goes east along the trackside and has Callitriche, spearwort etc growing in it. The south side by this road has Polytrichum unigenum, Peltigera & fescue sparsely near the line & a good variety of acrocarps with Molinia on the slopes of the ditch itself [column 5]. Elsewhere on the south side is an impoverished & disturbed version of the main cover in the N. Bracken, Athyrium & Dryopteris spp. are frequent and there are frequent Sitka bushes plus ash, raspberry & birch. Cinder & ballast cover much of the flat, generally covered in litter or rich by open patches of Athyrium delplus squarrosum, Pseudoscleropodium, Thuidium, Dicranum spp. etc.. Butchery is common with ends of ragwort & a little bramble. But Holcus mollis are occasional [column 4].

PREFERRED MANAGEMENT

A little bracken removal & some grazing.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Spraying along tracks.

15.8.80 Jom.

Sc		NE	I	R333
SITE NAME Achnashellach	RECORDER J.M. Harris	WEATHER Nearly complete cloud cover, but bright with occasional heavy sun & slight breeze.		LANDFORM ① ② 3 ④ 5 6 7 Uneven cutting slope with rock exposures & stream to N. Flat with ditch to S.
M.P. 39 3/4	TIPPING Scattered on N. & colonized Continuum on S. & ..	DATE 15.8.80	TIME 0950 → 1210	
COUNTY Highland [Ross & Glenmoray]	N.L.U. Conifer plantation, some moor & deciduous trees.			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	20	700	The wide cutting slope is covered in bracken with <u>Dryopteris</u> , <u>Athyrium</u> & raspberry plus patches of heather & upland grassland. Some rock exposures near line & stream down bank, some flooding in cress. Scrub colonisation throughout notably to E., & including spruce. South side narrow, flat & disturbed with similar vegetation but coarser & damper. Ditch by line flowing E.. Probably quite good as dune area of cover & food on edge of conifer plantation but the village to the W. & lochside possess similar features. The warbler populations are of note and probably indicate good insect populations.	Birds (small)	3	3	3
1	5	50	700		Birds (large)	2	1	1
1	5	10	700		Mamm. (small)	2	2	2
1	5	10	700		Mamm. (large)	1	1	1
3	5	15	700		Other verts.	2	2	2
3	5	15	700		Lepidoptera	2		2
3	5	15	700		Other insects	2	2	2
4	5	5	700		Other inverts.	2	2	2
3	5	15	745					
3	5	15	700					

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Great Tit	3790	1	Common Toad	2	Carabogonid midges	6
Blue Tit	3800	1				
Coal Tit	3820	1				
Robin	4000	1				
Blackcap	4570	1				
Willow Warbler	4720	1				
Chiffchaff	4730	1				
Goldcrest	4820	1				
Spotted Flycatcher	4840	2				
Bullfinch	5480	1				
Chaffinch	5550	2				

contd. over

contd. over

contd. over

contd. over

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Achnasheen Terraces

Map Ref NH158574 Data bank ref

NCC Region North West Scotland County Highland (Ross)

Internal ref 8223

STATUS

<u>Part of</u>	Adjacent to	NNR	PNNR	INR	<u>SSSI</u>	<u>Geological</u>
----------------	-------------	-----	------	-----	-------------	-------------------

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Chosen also because of the width of BR land.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
Animals	Insects	Reptiles	<u>Birds</u>	Mammals	

Habitat) describe - Rich grassland and sallow scrub, as well as heather moor and bog.
Geological) - Geomorphological interest, impressive Kama Terraces comprising several distinct levels.

RAILWAY REGION Scottish DIVISION North-eastern

AREA Inverness

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.C.E.)

Telephone number

Perth Station

Tel. No. 0738 21211

Name of railway line Dingwall -> Kyle of Lochalsh

Access at Achnasheen Str. at NH164585

Mileage post 28 1/2 -> 3/4

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref.

VISITS

Date	By whom	Assessment/Action
<u>16th August 1980</u>	<u>H.J. Killick, J.M. Harris & J.O. Mountford</u>	<u>An odd area where the BR boundary diverges widely from the trackside to include a flat which may be an old siding or quarry exploiting the Terraces, as well as part of the latter & the moorland beyond. The flat provides sallow scrub & rich grassland in a break and rather monotonous heather vegetation. A number of spp. not favoured by the moor live here and the site considerably diversifies habitat & cover generally.</u> <u>* Already scheduled but some note of its biological value should be added. Suggest finding out why this area is included within BR and liaising with them to maintain it if possible as a useful complement to the moor. It would be interesting to survey the nesting birds. Continue overleaf & examine the overgrowth in detail.</u>

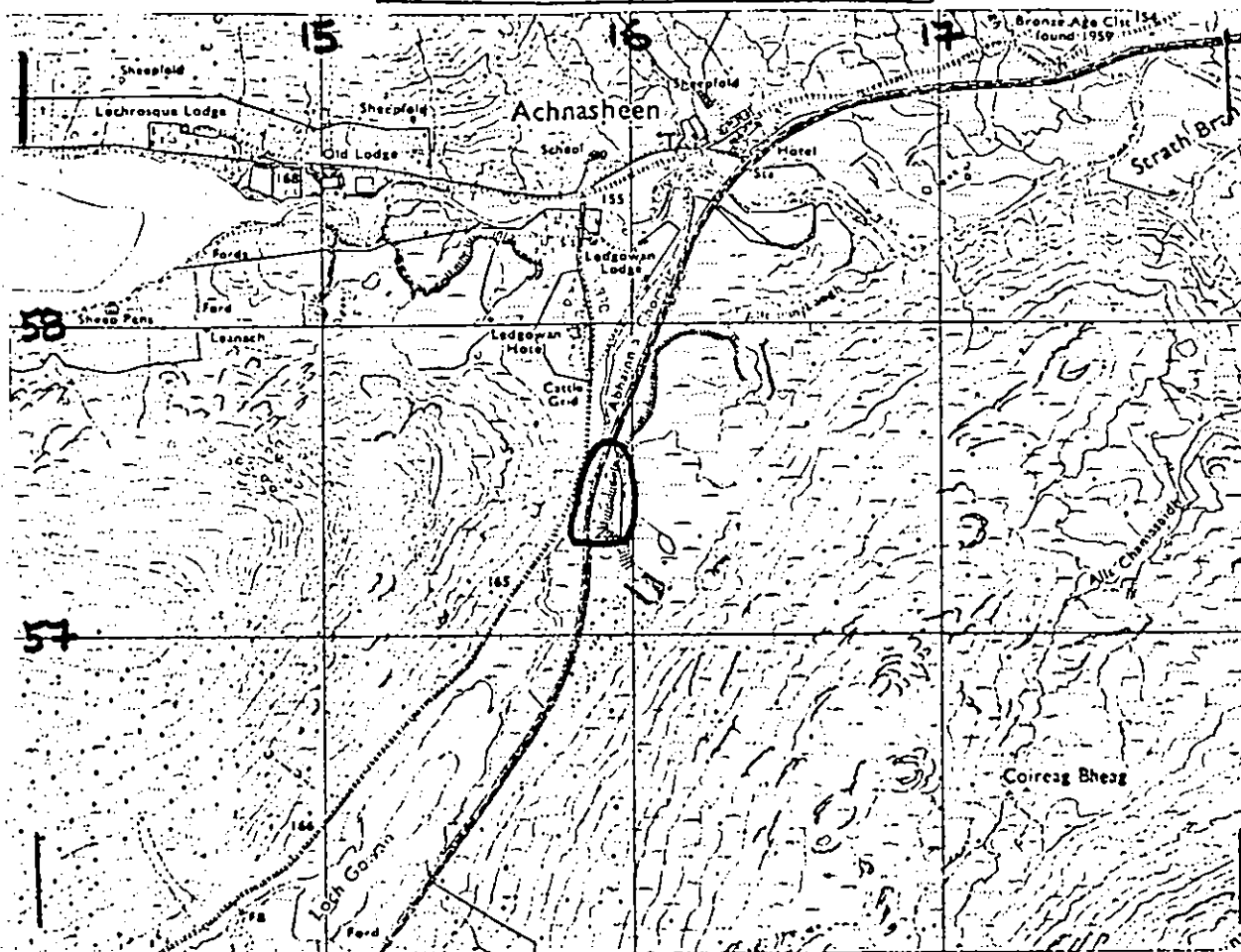
FILE OPENED BY ITE, Monks Wood

DATE 5th Nov. 1980

LOCATION MAP SCALE 1:25000 SHEET NO. NH05/15 MAP REF NH158574

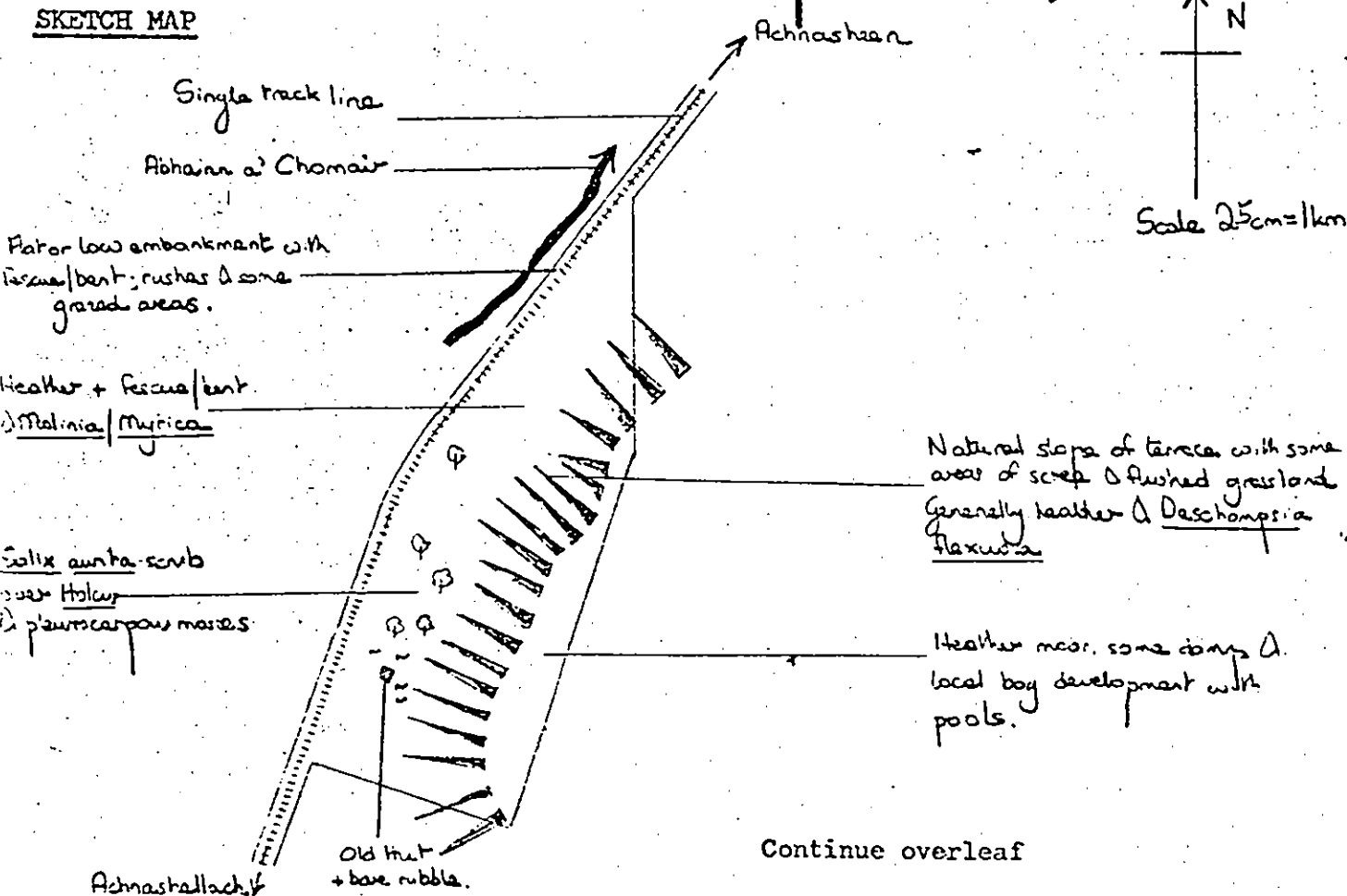
LOCATION STATUS

<u>Accurate</u>	Approximate
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[The conifer trees marked on the O.S. map no longer exist]

SKETCH MAP



SITE NAME Achasheen Terraces

CDB ref

Internal ref 8223

Altitude 550'

Local Geology

Flat generally - a line of exposed moraine. Over Metamorphic: Moine-indiff. granulitic schists.

Neighbouring landuses Moorland, bog & river

DIRECTION FROM ACCESS

N	E	W	S	E	W	or	BOTH
---	---	---	----------	---	---	----	------

Dist from * access point	1000 → 1350m	1000 → 1350m	1000 → 1350m	1000 → 1350m				
Side of track °	NW	SE	SE	SE				
Landform x	C. Emb.	Flat	Slope.	Flat				
Aspect-degrees	290°	—	290°	—				
Width-metres	→ 4m	→ 20m	→ 25m	→ 30m				
Disturbance +	Grass.	—	Some	—				

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST Size and diversity. Rich grassland and scrub. Presence of good typical moorland and bog flora including some local species: Trientalis, Drosera rotundifolia and Carex echinata. Arabis and Galopsis bifida are probably railway introductions and Grapholium sylvaticum is an interesting record.

General veg characteristics and habitat description indicate side of track

The NW side is a narrow flat or low embankment generally covered in quite herb-rich fescue/leek grassland with tormentil and bedstraw common, and locally abundant heather. The dampier unthe areas have Juncus effusus with Rumex obtusifolius, Ranunculus repens and Oxalis. Occasional grassed (unmowed) patches have a Trifolium repens sward. The base here and on the other side has a large population of Polytrichum unigatum [column 1]. The SE side has a broad possibly excavated flat by the line with a platelayers hut near the S end. There is some bare rubble derived from the terrace streas and partly colonised by moss & ferns. Grapholium sylvaticum occurs here. Heather is dominant near the line but where the drainage is impeded Molinia, Myrica and Juncus effusus grows. Trientalis is frequent among the heather. There are extensive patches of herb-rich Anthoxanthum fescua leek grassland similar to the NW, but massier. Especially toward the S on there is much tall sallow scrub over Holcus, Rhynchospora trigynus, Hieracium, Oxalis and Vicia riviniana. There are a few areas of bracken [column 2]. The slopes above are locally covered in unstable fire sere, but most of the area is Calluna and Deschampsia flexuosa with richer flush patches having fescue/leek. Clubmoss is sparingly present among the heather. The undulating slope at either end of the site is covered in Molinia with patches of heather and Trichophorum [column 3]. Finally the top of the terraces has a vegetation essentially continuous with the neighbouring moorland and is typically mature heather with occasional grassy patches near the slope. Sphagnum, Molinia & Trichophorum become common near the plateau end on the broadest part of this area is a series of pools and bog vegetation. Sphagnum spp. are dominant with Eriophorum, low Erica tetralix, Northicum, Juncus squarrosus, and not only Drosera rotundifolia but also D. anglica by the pools and a series of small plants which appear to be hybrids. They are apparently not D. intermedia [column 4].

PREFERRED MANAGEMENT

Little if any required.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Growing on some areas.

John 16.8.80.

REGN. Sc DIVN. NE AREA I SITE 8223

SITE NAME Achnasheen Terraces	RECORDER J.M.Harris	WEATHER Misty / low cloud & cool at first clearing to bright sunshine with ~20% cloud cover & warm.	LANDFORM 1 2 3 4 5 6 7 West side is a low emb. & flat. East side broad wavy flat, then +ive slope of natural esker up to undulating moorland!
N.P. 28 1/2 → 3/4	TIPPING Natural scree and rubble.	DATE 16.8.80	TIME 1000 → 1135
COUNTY Highland (Ross)	N.L.U. Moorland, bog & river		

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION:	ANIMAL	FH	FC	R	
0	5	15	700	lower flat undulating grassland with patches of heather & sallow scrub. Slope above has scree derived from esker & upland grassland. Broad flat to fence is generally moorland, but it is wet and has local bog development. The narrow flat etc. on the NW. side has coarse grassland etc.. In local context very good providing cover & nesting sites plus a diversity of food. Also has areas more typical of the neighbouring moor.	Birds (small)	2	3	3	
1	4	35	700		Birds (large)	2	2	1	
1	5	10	700		Mamm. (small)	2	2	2	
1	6	15	700		Mamm. (large)	1	1	1	
1	5	5	700		Other verts.	2	2	2	
1	10	10	700		Lepidoptera	2	.	2	
1	10	10	700		Other insects	3	3	3	
1	10	10	700		Other inverts.	3	3	3	
4	8	10	703						

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Meadow Pipit	4930	2			Small Tortoiseshell	1
Chaffinch	5350	1			Tabanid flies	1
Red Wagtail	5032	1			<i>Notiphilus biguttatus</i>	1
Coal Tit	3920	1			Carabopogonid midges	5
Goldcrest	4820	1				
Redstart	4070	1				
Wood Martin	3650	2				
contd. over			contd. over		contd. over	
Woodpigeon	2990	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Loth

Map Ref NC90/91

Data bank ref

NCC Region North-west Scotland County Highland (Sutherland) Internal ref 82286229
+ R340

STATUS

Part of	Adjacent to	NMR	PNR	LNR	SSSI	
---------	-------------	-----	-----	-----	------	--

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site & two areas chosen from map.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	<u>Rare</u>	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Base-rich & base-poor coastal grasslands. Rock
) exposures, bracken + low scrub.
)
Geological)

RAILWAY REGION Scottish DIVISION North-eastern AREA Inverness

Address of Area Civil Engrs Office Mr. J.D.Pitts (D.C.E.)
Telephone number Perth Station

Tel. No. 0738 21211

Name of railway line Inverness → Wick

Access at Loth Sh. (957100) & West Garty (996123) Mileage post 95 1/2 → 98 3/4

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref.

VISITS

Date	By whom	Assessment/Action
<u>19th August 1980</u>	<u>J.M. Harris & J.O. Mountford</u>	<u>Two sites separated by unsurveyed stretch. Some good rich grassland on shallow soils over rock and stabilised dunes. The better areas are restricted but are apparently far better than examples on the adjacent shore.</u> <u>* Should be noted and assessed in local context. A further examination of coastal cuttings from Helmsdale SW to Broe could be valuable. Some notification to BR about the better patches is necessary. A number of local or near species noted though they are highly characteristic of the habitat.</u>

Continue overleaf

FILE OPENED BY MTE, Monks Wood

DATE 6th Nov. 1980

SITE NAME

West Garty

CDB ref

Internal ref 8228

LOCATION MAP SCALE 1:25000

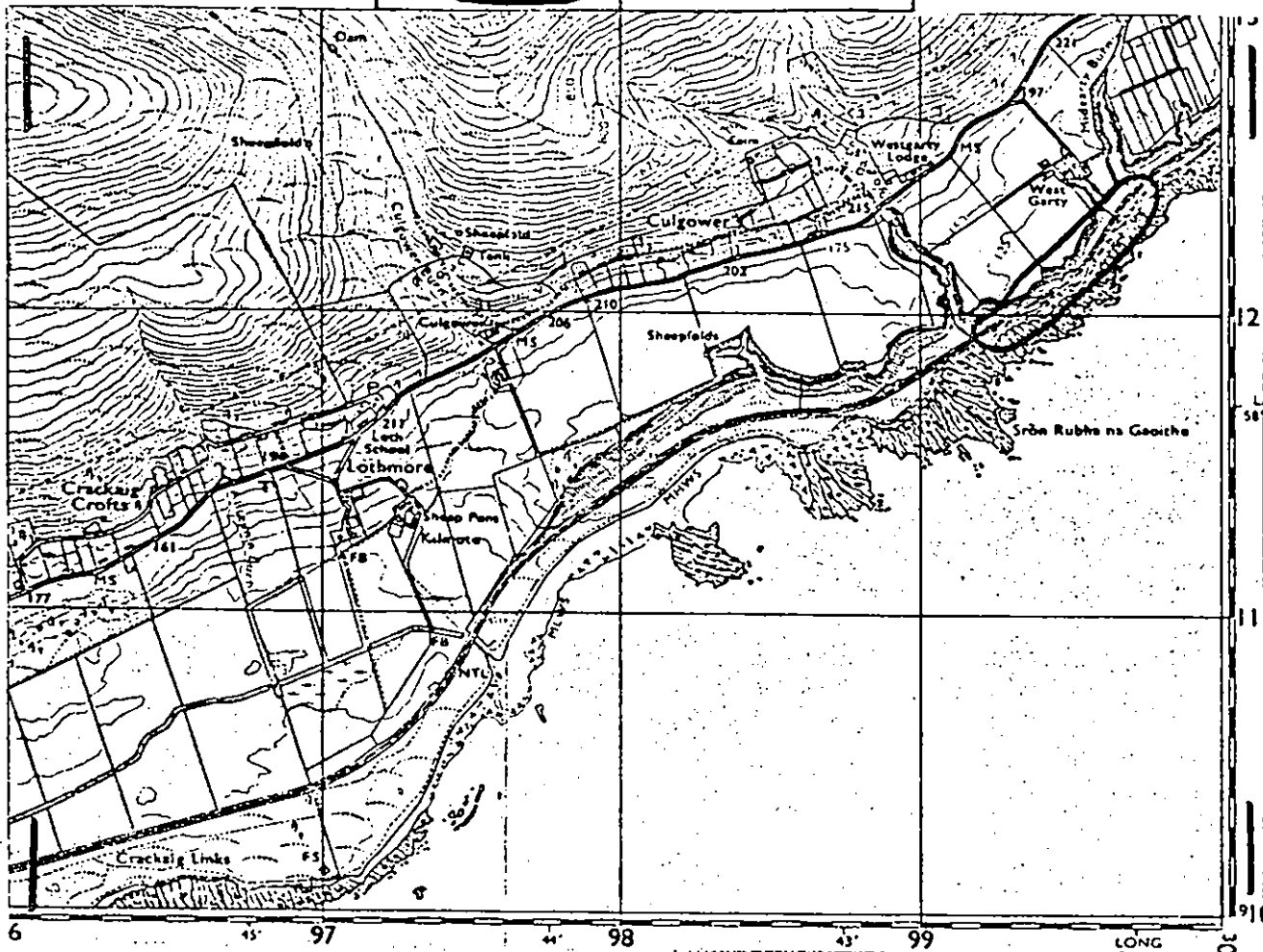
SHEET NO. NC81/91

MAP REF NC99.11 etc.

LOCATION STATUS

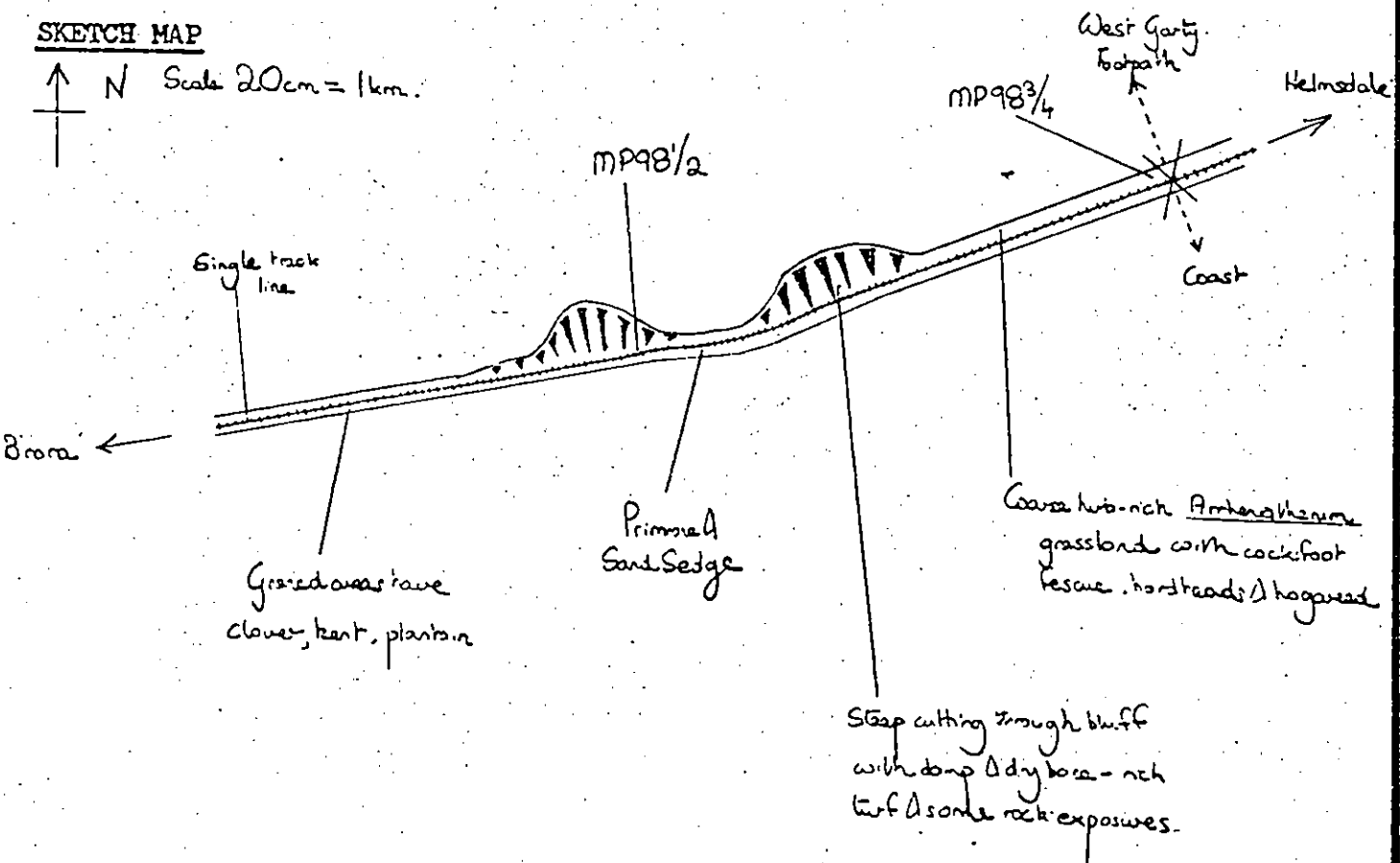
Accurate

Approximate



SKETCH MAP

Scale 20cm = 1km.



Continue overleaf

SITE NAME West Garty

CDB ref _____ Internal ref 8228

Altitude →60

Local Geology Mainly Eo raised beach - a little 100' & blown sand, much drift free. Over Jurassic: lower Kimmeridgian - shales, calcareous sandstones & 'boulder beds'

Neighbouring landuses Heath, moor & rough grass plus maritime.

DIRECTION FROM ACCESS

N	E	W	S	E	W
---	---	----------	---	---	---

 or

BOTH

Dist from * access point	0---→ 1000m	150---→ 1000m	0---→ 1000m	0---→ 1000m	200→ 250m			
Side of track °	N	N	S	S	N			
Landform x	Emb. etc.	Cut.	Flat	Cut.	S. Cut.			
Aspect-degrees	340°	160°	-	340°	160°			
Width-metres	→5m.	→25m.	→3m.	→5m.	8m.			
Disturbance +	Spray	-	Spray	-	-			

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST Rich basicolour grassland with good list including many species local or mainly coastal in N. Scotland. Helianthemum is here at its northern limit in U.K. and Bryopodium sylvaticum, Sedum acre, Doctylochiza purpurella and Carex pulicaris are interesting

General vegn characteristics and habitat description indicate side of track
 Much of this site is narrow and almost flat, occasionally with a low embankment (especially toward the sea) or a small cutting (particularly on landward side). The cover is coarse Arrhenatherum, cocksfoot and fescue grassland with Centaurea nigra and Horsetail. Local grazed areas have clover, bent, plantain & Galeum verum. Pteridium is a common invader. This vegetation covers N. & S. sides for much of the length though there are local signs of exposure to the sea on the South. [columns 1, 3 and 4]. Generally B.A. does not cut through the spurs of the coastal hills but where it does steep slopes covered in Pteridium, bent, bracken & fescue occur, locally with Helianthemum common. [column 2]. At one point close to the AP there are some rock exposures and what appears to be stabilised fine sere. Hieracium and Pilosella are common with abundant Carex flacca, plus Linum, Bryopodium sylvaticum, Koeleria, Sieglingia, Anthyllis, Doctylochiza purpurella, Prunella, Rhinanthus, Thymus and more rock-rose. Where seepage occurs on or overhanging cliff face Carex pulicaris, Pinguicula & Euphrasia are found. This type of vegetation occurs sparingly on the gully slopes dissecting the coastal hills but this area on B.A. seems to be considerably richer. [column 5]. Primula is common on the side of the PD and a fringe of sand-ledge occurs along the foot of the cutting near MP98 1/2. The only other maritime to occur are Plantago maritima and Armeria, both growing in the basicide turf.

PREFERRED MANAGEMENT Some mowing or grazing of the grassland especially on the larger cuttings.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials. Spray effects marked along trackside. Some grazing locally by rabbits. A little colonised ballast on the flat & embankment.

19.8.80 Jom.

SITE NAME **Loth & Lothbeg**

CDB ref

Internal ref **R340/8229**

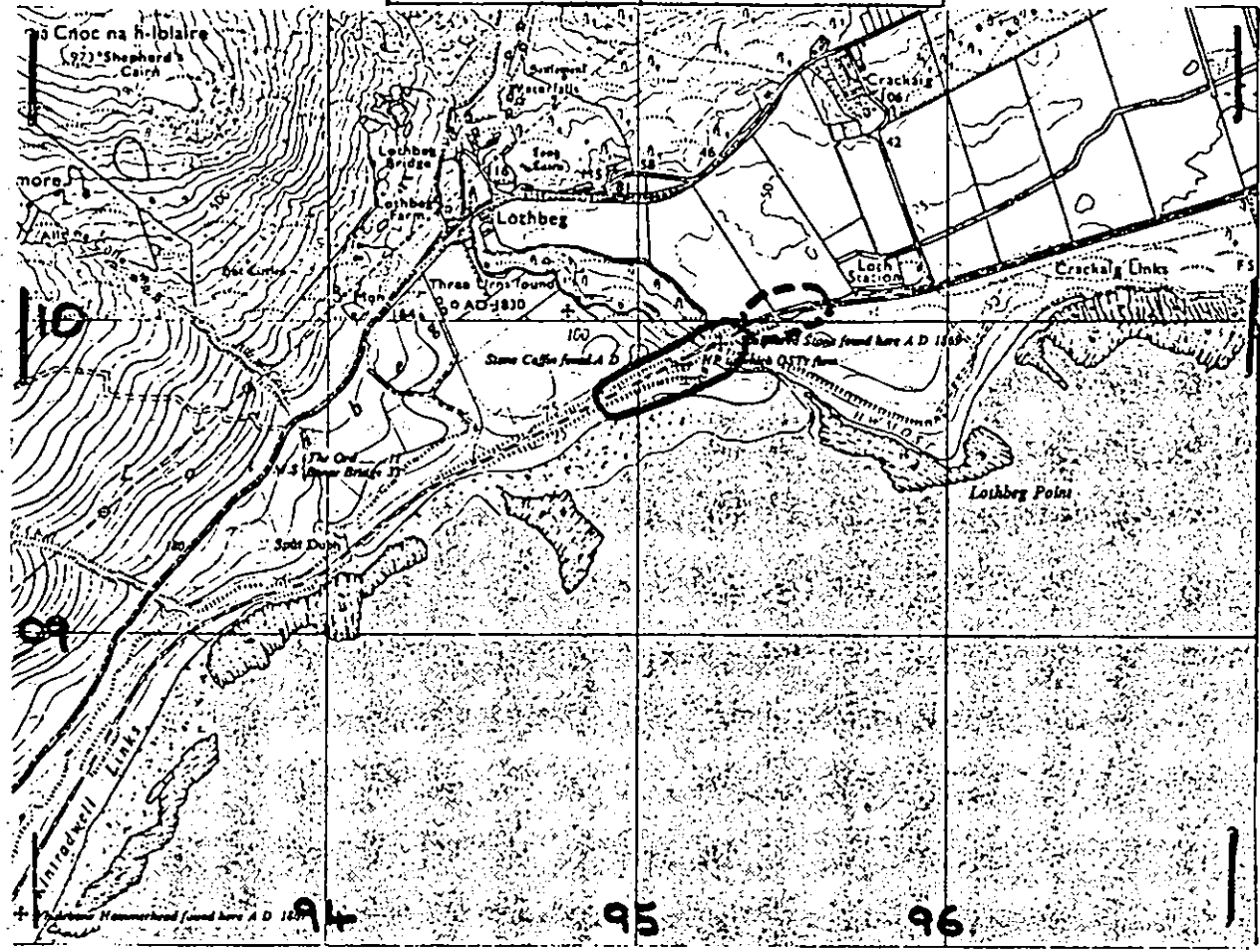
LOCATION MAP SCALE **1:25000**

SHEET NO. **NC80**
A 8191

MAP REF **NC954100 (R340)**
NC951098 (8229)

LOCATION STATUS

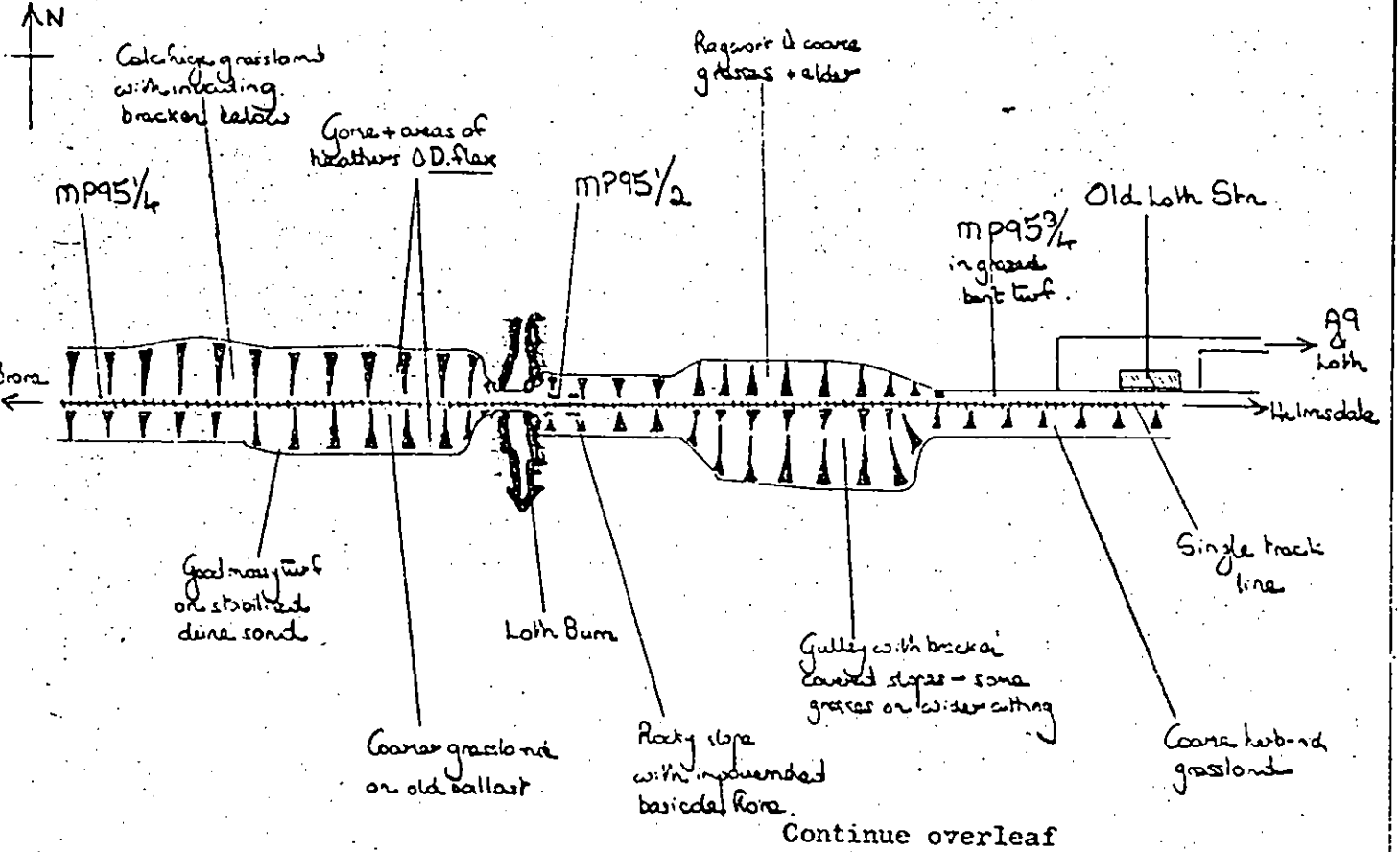
Accurate	Approximate
-----------------	--------------------



○ = 8229

(=) = R340

SKETCH MAP Scale 15 cm = 1 km.



Continue overleaf

SITE NAME Loth & Lothbeg

CDB ref

(Section 3)
Internal ref A340/B25

Altitude → 75'

Local Geology

As B228 but less drift free, no 100' raised beach & blown sand mainly in South-west

Neighbouring landuses Rough & improved grassland + maritime.

DIRECTION FROM ACCESS

N E W S E W or BOTH

Dist from * access point	150 → 200m	200 → 450m	0 → 200m	200 → 325m	325 → 600m	600 → 800m	600 → 800m	800 → 1000m
Side of track °	N	N	S	S.	Both	Both	S	N
Landform x	Flat	Emb.	C.Cut.	Co.	S.Cut	Cut	Cut	Cut
Aspect-degrees	—	5°	360°	187°/353°	0°/180°	0°/180°	0°	180°
Width-metres	c.2m	10m.	10m.	→25m	2x10m	2x→15m	5m.	→25
Disturbance +	Grazed.	—	—	—	—	—	m.Ball.	—

- * If site is both sides of access point, precede distance by cardinal point
- ° Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

The rich grasslands to the W. with good populations of Thalictrum & Helianthemum plus some Astragalus. Gully of bracken providing cover. Rosa pimpinellifolia, Salix viminalis, Silene x intermedia among more local plants and the railway also Lathyrus latifolius.

General vegn characteristics and habitat description - indicate side of track

The N. side near the station is a very narrow flat of bent turf heavily grazed with a few coarse patches [column 1]. West of the platform but is on an embankment yellow with ragwort, and having Arrhenatherum, fescue, Holcus lanatus & rattle common also. A carpet of Buttercup grows under the tall ferns near the fence and a few elder bushes occur. [column 2]. The S. side has a medium cutting of coarse herb-rich grasslands with scattered bracken, over fescue bent, Poa, plantain, speedwell etc. By the line are several rabbit burrows with recently excavated soil [column 3]. This widens out to produce a gully whose slopes are covered in tall bracken. This thins out and is accompanied by grass patches on the cutting to the wall. Ox-eye & larch occur here [column 4]. The two-sided cutting up to the Loth Burn has similar grassland to col. 3 but with scattered gorse and heather. Near the bridge are some rock exposures and they bear an impoverished version of the vegetation noted at West Garty - col. 5 [column 5]. The large cutting west of the Burn has abundant gorse in dense thickets with locally large patches of Calluna, Erica and Deschampsia flexuosa plus a typical heath flora. Locally there is some marked rabbit activity and bracken has established itself there. At the top of the S. slope is an area of cropped mossy turf with Helianthemum and Astragalus [column 6]. The lower slopes on the S. side have a clearly marked zone of coarse grassland evidently colonising old ballast tipplings. Here Arrhenatherum and Anthoxanthum grows with tall meadow herbs. Cuscuta sylvatica is found in large patches here [column 7]. The large cutting slope exposed to the sea further W. has an interesting grassland of Anthoxanthum, Holcus lanatus, fescue & bent. On the lower slopes Pteridium is invading but Helianthemum is common underneath with Thalictrum. On the upper slopes rock-rose is locally co-dominant, and Erica, Salix repens and Rosa pimpinellifolia are all common in a shorter somewhat open turf [column 8].

PREFERRED MANAGEMENT

Little needed though locally the rabbit grazing may be too intensive.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Several dead rabbits, many burrows and cropped turf. Bar ballasting & spray effects near the PW no obvious BR management.

19.8.80 form.

ANIMAL RECORD	REGN. Sc	DIVN. NE	AREA I	SITE R340 B228/9
SITE NAME Loth	RECORDER J.M. Harris	WEATHER Dull and cloudy with a sea breeze. Intermittent rain esp. heavy a.m.		LANDFORM 1 2 3 4 <u>5</u> 6 7 Very varied, generally with cutting slopes inland and embankments or flats toward sea. But no real pattern.
N.P. 95 1/2 → 98 3/4	TIPPING local & generally colonized	COUNTY Highland (Sutherland)	N.L.U. Coarse improved grassland + coastal	DATE 19.8.80
				TIME 0910 → 1100 1720 → 2010

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	5	700	long stretch of line with cuttings & greater width in SW. West gully is generally exposed & narrow but some coarse vegetation and cover occurs. The SW. has rock cuttings, gullies and much cover, notably gorse and bracken. The plant species list indicates a good variety of phytophagous invertebrates. Generally a useful land fall and diverse area introduced into coastal plain. However the hills behind have good sheltered valley. Unexceptional.	Birds (small)	2	2	2
1	0	10	700		Birds (large)	2	2	1
1	1	15	708		Mamm. (small)	3	2	3
1	3	15	700		Mamm. (large)	1	1	1
1	6	40	700		Other verts.	.	2	2
5	6	5	708		Lepidoptera	2	.	2
5	8	10	700		Other insects	2	2	2
					Other inverts.	2	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Meadow Pipit	4930	2	Rabbit		Carabopogonid midges	4
Great Black-backed G.	2580	1				
Fulmar	0160	3				
Lesser Black-backed G.	2570	1				
Herring Gull	2560	1				
Tawny Owl	3140	1				
Heron	0390	1				
Blue Tit	3800	1				
Song Thrush	4310	2				
Rook	3700	1				
contd. over			contd. over		contd. over	
Eider	0950	3				
Common Scoter	0980	5				
Curlew	2020	3				
Oystercatcher	1820	2				
Woodpigeon	2990	1				
Common Gull	2550	1				
Robin	4000	1				
Red Wagtail	5032	1				
Cormorant	0350	6				
Kittiwake	2630	6				
contd. over	✓		contd. over		contd. over	

SPECIES LIST OF ANIMALS contd.

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Turnst						
Turnstone Redshank	2180 2060	3 1				

CASUALTY LIST OF ANIMALS RECORDED ON B.R.

Blackbird	4240	1	Rabbit Sheep	-2		

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Leurable

Map Ref NC89.23/24 Data bank ref

NCC Region North-west Scotland County Highland [Sutherland] Internal ref B230

STATUS

Part of	Adjacent to	NNR	PNNR	INR	SSSI	
---------	-------------	-----	------	-----	------	--

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Chosen to fill in gap in Random Survey.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
Animals	Insects	Reptiles	<u>Birds</u>	Mammals	

Habitat) describe - Good variety of grassland & scrub types, rock exposures & ditches.
)
Geological)

RAILWAY REGION Scottish DIVISION North-eastern AREA Inverness

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.C.E.)

Telephone number

Perth Station
TAYSIDE

Tel. No. 0738 21211

Name of railway line Inverness -> Wick

Access at Footpath from AB97 at NC 899932

Mileage post 112 -> 113

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref

VISITS

Date	By whom	Assessment/Action
<u>20th August 1980</u>	<u>J.M. Harris & J.O. Mountford</u>	<u>Assessed varied site with a long species list and a number of more local species. It is part of an excellent valley area of crooklaw meadows and cores which considerably diversifies the moorland area. The B.A. land is not outstanding in the context but still well above average & worth a note.</u> <u>* Note and if possible take a further look up & down the valley into more upland & lowland habitats. B.A.'s functioning here is quite interesting as a seed source for lowland plants colonising the hills.</u>

Continue over...

FILE OPENED BY ITE Monks Wood

DATE 19th Dec. 1980

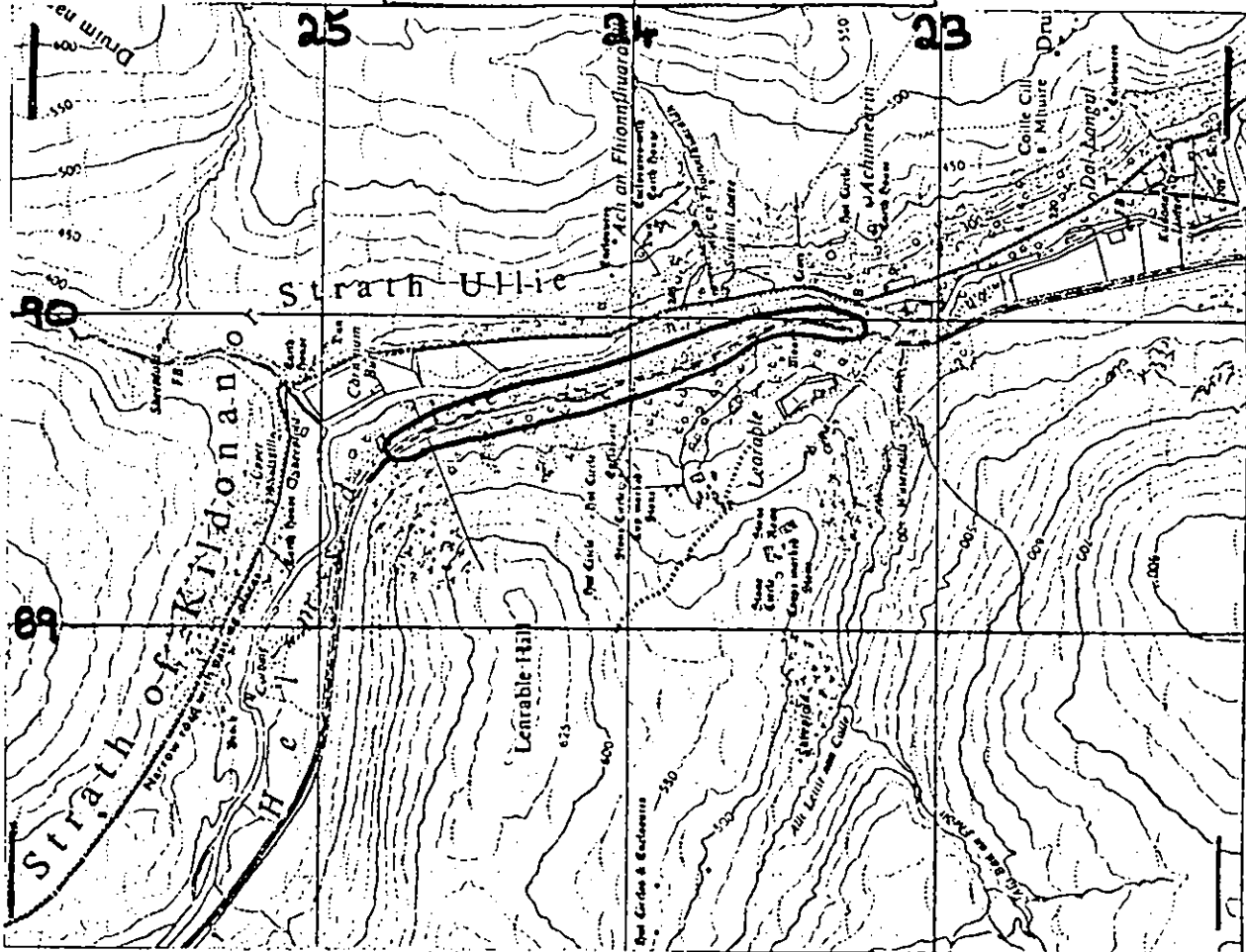
LOCATION MAP SCALE 1:25000

SHEET NO. NC82/92 MAP REF NC89.23/24.

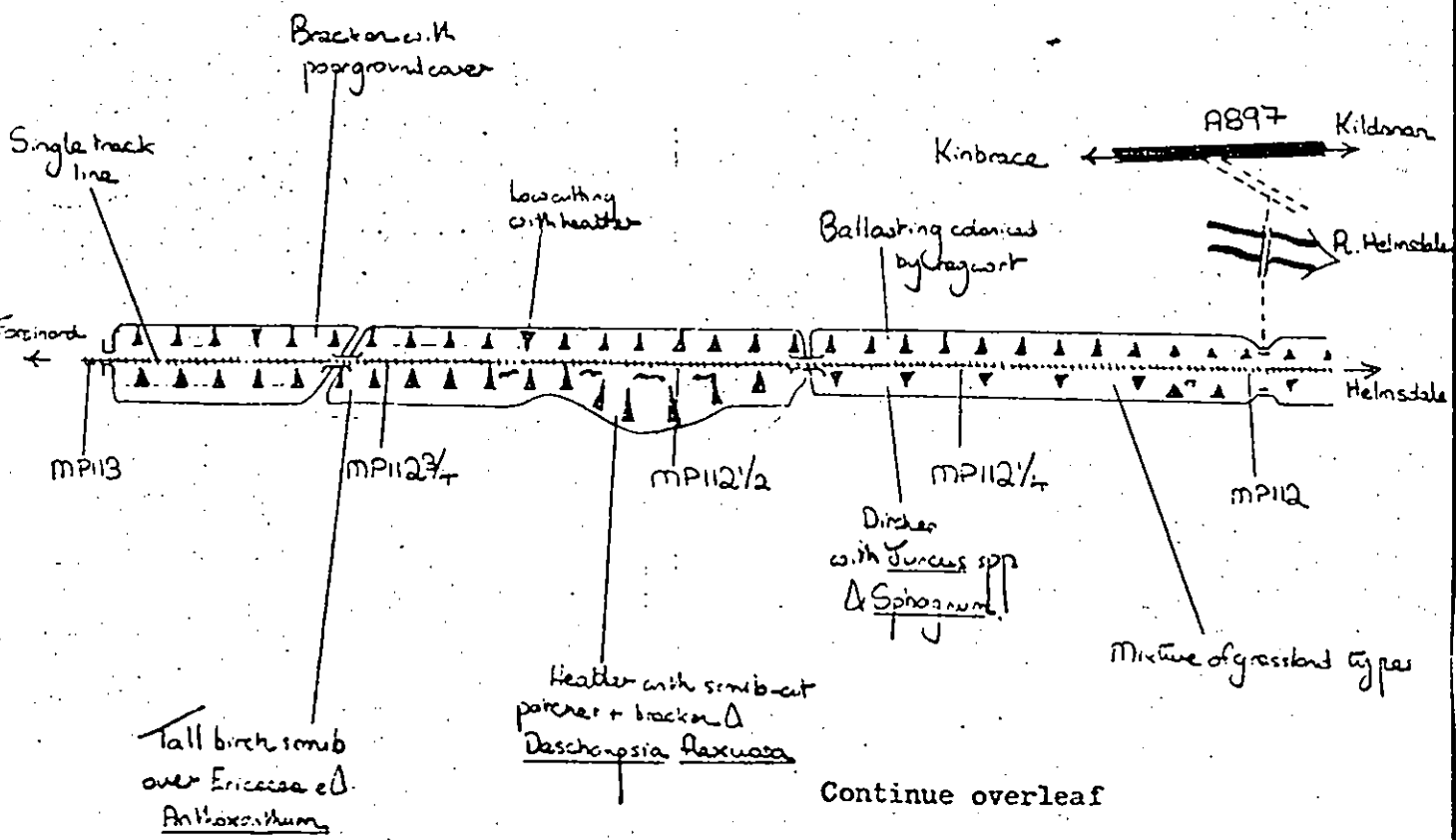
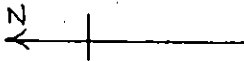
LOCATION STATUS

Accurate

Approximate



SKETCH MAP Scale 10cm = 1km



SITE NAME leasable

CDB ref

Internal ref 8236

Altitude 240' → 330'

Local Geology

Moraine with some 1st Terrace Alluvium to SE. over Moine (mica-schist - pelitic), plus bands of siliceous granitites & dykes of Granite & Injection Rocks across line.

Neighbouring landuses Rough upland grassland & decid. woodland.

DIRECTION FROM ACCESS

(N) E W S E W or BOTH

Dist from ↑ access point	0 → 800m.	800 → 1500m	800 → 1500m					
Side of track °	Both	W	E					
Landform x	gn. Emb.	Cut	Emb					
Aspect-degrees	90°/270°	90°	90°					
Width-metres	2x → 10	→ 20m.	→ 15m.					
Disturbance +	loc. Spray	loc. Clear	—					

- If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Good population of Trichalis near its N. limit in Britain. Prunus padus also. Over 100 spp present & some species-rich vegetation. Pegynia falcon flying along line at dusk.

General vegn characteristics and habitat description indicate side of track

Much of the Southern half of the site is a low gentle embankment often crossed by ditches draining streams from the hills to the W. The vegetation is a mixture of grassland types, which are generally herb-rich and usually poorly drained. Molinia is locally abundant. Festuca bent grassland with common Anthoxanthum in a forb-rich turf is widespread and Deschampsia caespitosa with the Holcus lanatus is also common. There are a number of low cutting slopes with heather and a few rock exposures, mainly on the W. side. There are also areas of new ballast dumping especially facing the river and where this has stabilised. Senecio jacobaeae is abundant with other coarse herbs [column 1]. On the ditch banks there is a good selection of deep ground forbs generally growing in Sphagnum in a vegetation dominated by Juncus spp.. On the east side further N. the slope becomes a cutting and is locally quite wide. Generally covered in scrub, often cut back, or heather. Brack and Deschampsia flexuosa are scattered through and Vaccinium vitis-idaea is common near the line especially where rock cutting occurs. Tall bracken scrub survives commonly, over a continuous ground cover of bent & Anthoxanthum with Calluna, cowberry, Oxalis, Trichalis and a variety of hypnoid mosses [column 2]. The east side is mainly an embankment though there are a few small cuttings covered in heather beneath a vegetation generally similar to the W. The chief cover on the negative slopes is bracken over a poor ground flora with a few bushes [column 3].

PREFERRED MANAGEMENT

Some mowing of the grasslands.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Strong spray effect especially on the E. side but general up to 3m. from the line. Much of the Wn scrub cleared near the line and locally to the boundary. Ballast dumping mainly near MP 112 1/4 on the E. side.

20.8.80 Jom.

RECORD	Sc	NE	I	8230
SITE NAME Leavala	RECORDER J.M. Harris	WEATHER Clear evening, 60% cloud cover later. Warm & in shelter, calm, though windy at higher altitudes.		LANDFORM 1 2 3 4 5 6 7 Cut into side of hill, positive slope to W., negative to E. In S. line leaves hill-side & forms two-sided embankment.
M.P. 112 → 113	TIPPING locally heavy & new	DATE 20.8.80	TIME 1930 → 2115	
COUNTY Highland (Sutherland)	N.L.U. Scattered trees & woodland in upland pasture			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
00	050	5	700	A good scrub site on side of valley, hilly but not very wide, mainly birch, scrub & sallows with some young woodland. Areas of heather & upland grassland & large patches of bracken. In the S. the vegetation becomes coarser & there are areas of recent ballasting. There are rock exposures to the N. Good & diverse probably supporting a fine vertebrate & invertebrate list but not markedly different from N.L. & thus not of great conservation value.	Birds (small)	2	4	4
1	050	5	726		Birds (large)	1	2	1
1	050	5	726		Mamm. (small)	3	3	3
1	050	5	700		Mamm. (large)	2	2	1
1	050	5	700		Other verts.	.	2	2
2	050	5	700		Lepidoptera	2	.	2
3	050	5	700		Other insects	3	3	3
4	050	5	700		Other inverts.	3	3	3
4	050	5	703					

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	O:
Heron	0390	1			Caratopogonid midges	6
Buzzard	1150	1			Pyralid Moths	2
Peregrine	1420	1			<u>Lithobius forficatus</u>	1
Sand Martin	3650	1				
Robin (N)	4000	1				
Mistle Thrush	4320	1				
Willow Warbler (N)	4720	2				

contd. over

contd. over

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Loch Watten

Map Ref ND21.57 etc Data bank ref

NCC Region North-west Scotland County Highland (Caithness) Internal ref 8231

STATUS Part of Adjacent to NNR PNNR INR SSSI

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) -

INTEREST Plants General Local Rare Very rare
Animals Insects Reptiles Birds Mammals

Habitat) describe - large marshy flat with dry turf hillocks. Reed-scrub
) coarse grassland
Geological)

RAILWAY REGION Scottish DIVISION North-eastern AREA Inverness

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.C.E.)
Telephone number

Peth Str.

Tel. No. 0738 21211

Name of railway line Inverness → Wick

Access at Farm lane bridge under at ND208581

Mileage post 151 → 152

<u>NOTIFICATION</u>	With whom	By whom	Date	Ref.
Site notified to BR				
Management agreement (see section 3 for detail)				

<u>VISITS</u>	Date	By whom	Assessment/Action
	21 st August 1980	J.M. Harris & J.O. Mountford	The reed-scrub habitats to the west are merely a protected patch of a locally extensive type. Similarly the narrow bank to ward MP152 is too heavily grazed to be of any value. However the broad flat at MP 151 1/4 is a varied and rich area with low marsh and grassland habitats. In the local context streambeds provide a new and enclosed environment. There are a number of less common plants and some adventures along the line. * Should be noted. No use appears to be made of this old sidings area and conservation could be considered. Other old yards and wider parts of the railway bank in the region could probably be examined. Some liaison with B.A. to establish the sites future is desirable.

FILE OPENED BY ITE Mark Wood

DATE 7th Nov 1980

SITE NAME Loch Watten

CDB ref

Internal ref 8231

LOCATION MAP SCALE 1:25000

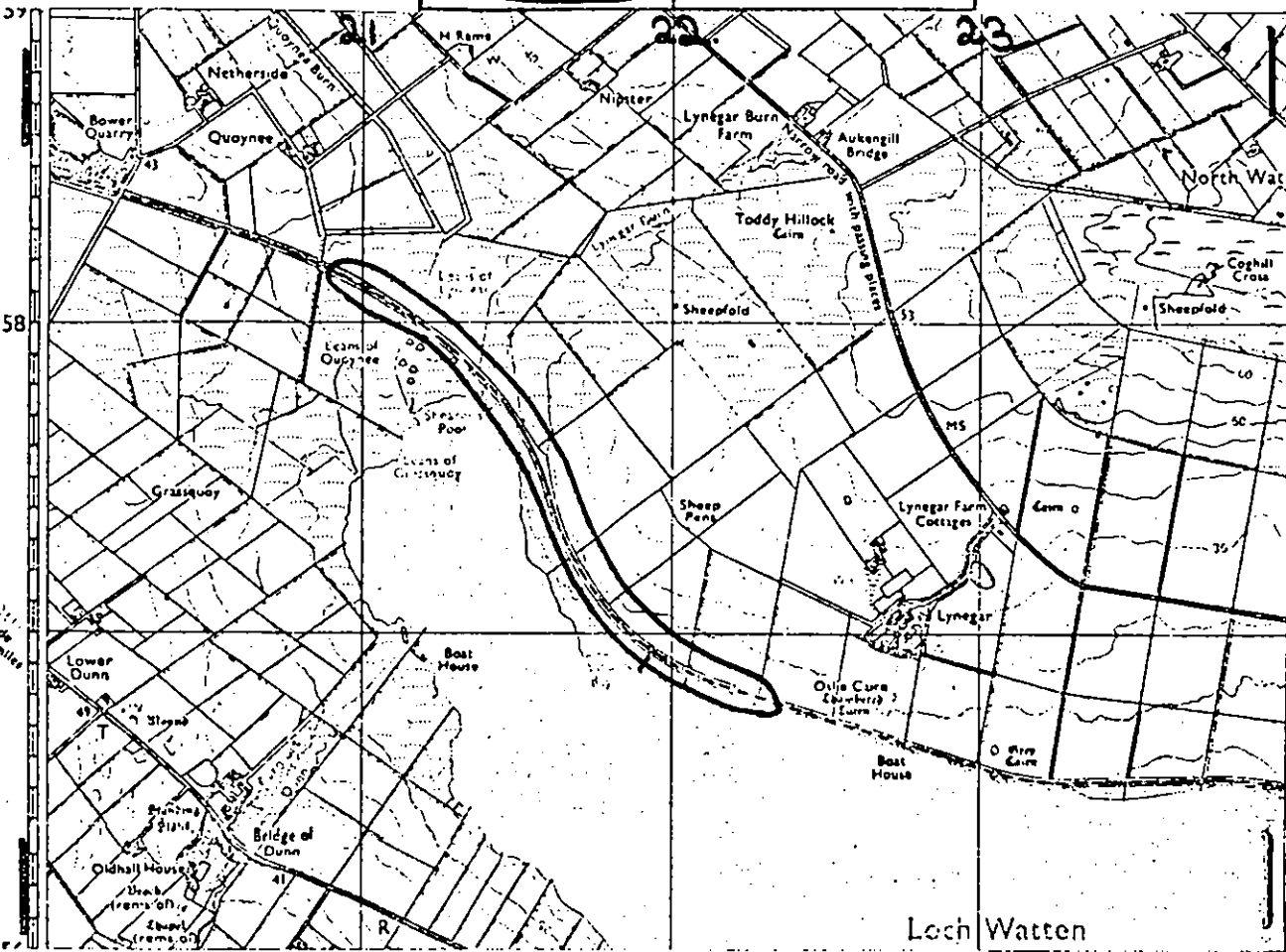
SHEET NO. ND25/35

MAP REF ND21.57 etc.

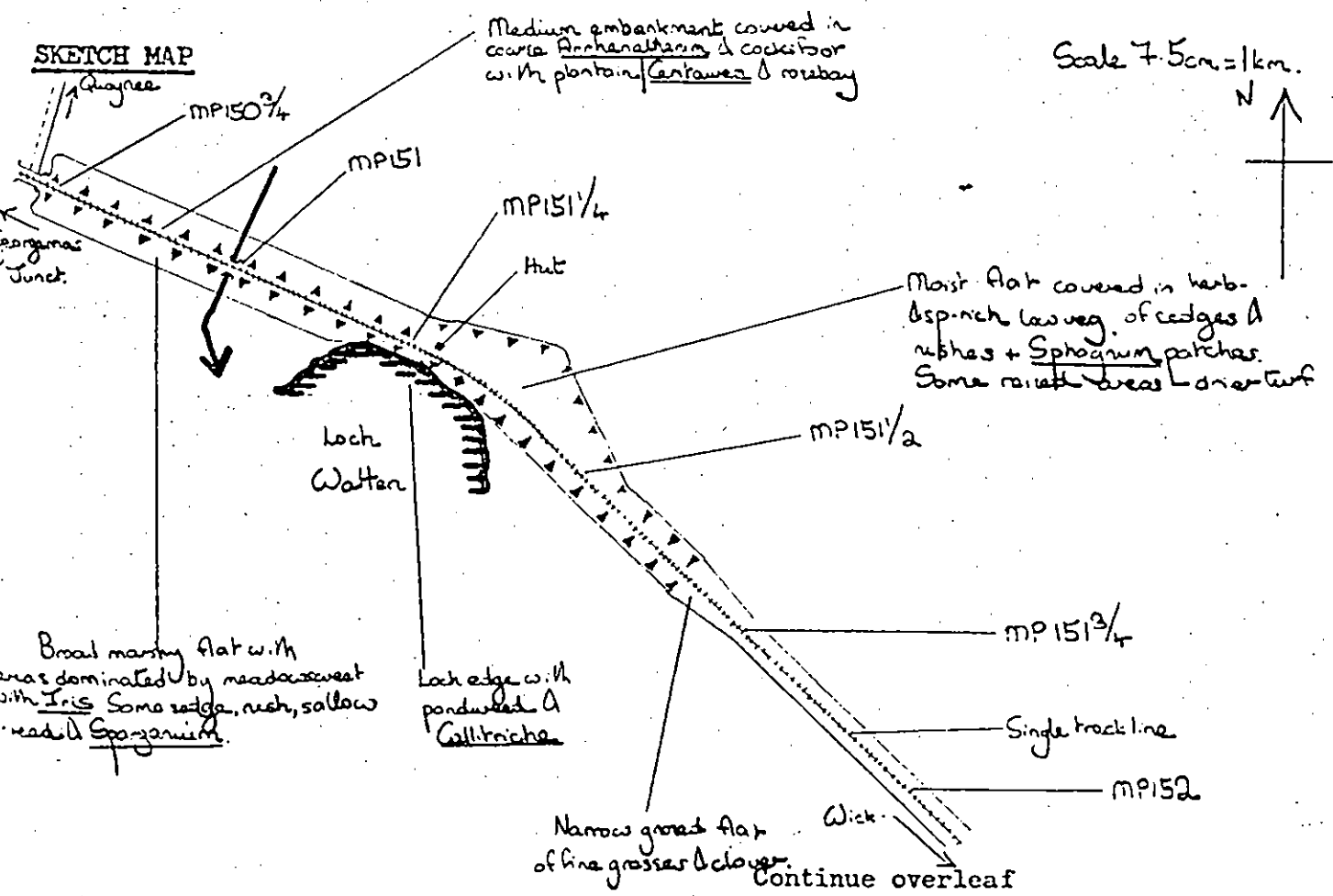
LOCATION STATUS

Accurate

Approximate



SKETCH MAP



Medium embankment covered in coarse *Arrhenathera* & *Carex* ssp. w. the planting of *Centaurea* & *rousbay*

Scale 7.5cm = 1km. N ↑

Moist flat covered in herb-
spp-rich low veg. of sedges &
rushes + *Sphagnum* patches.
Some raised areas of *Ornithogalum*

Broad marshy flat with
was dominated by meadow sward
with *Iris*. Some sedge, rush, sallow
and *Sphagnum*.

Loch edge w. th
pondus &
Callitriche

Narrow grassed flat
of fine grasses & clover.
Continue overleaf

SITE NAME Loch Watten

CDB ref

Internal ref 8231

Altitude 90'

Local Geology Recent alluvial Terraces in NW, boulder clay in SE. Over Middle Old Red Sandstone - Caithness Flagstone Group.

Neighbouring landuses Improved grassland, marsh & loch.

DIRECTION FROM ACCESS

N E W S E W or BOTH

Dist from * access point	0 → 800m	100 → 700m	800 → 2400m	800 → 1100m				
Side of track °	Both	Both	Both	NE				
Landform x	Emb.	Flat	Flat/Cut.	Flat				
Aspect-degrees	225/45°	—	225/45°	—				
Width-metres	2x → 7m	2x → 8m	2x → 8m	→ 25m				
Disturbance +	M.Tipp.	—	Grass	—				

- * If site is both sides of access point, precede distance by cardinal point.
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

c.100 spp. inc. good area of damp grassland & marsh. *Linaria vulgaris* new to the vice-county, *Troopogon*, *Martha chinensis*, *Pinguicula vulgaris*, *Epilobium hirsutum*, *Listera ovata*, *Ranunculus lanuginosus*, *Spergonium* and *Potamogeton frigidus* are all new and often coastal in N. Scotland.

General veg characteristics and habitat description indicate side of track

The low embankment from MP150 1/4 SE to the plateau but is covered in coarse *Anthoxanthum* / *Dactylis* grassland with abundant *Plantago* and *Centaurea*, and local patches of rosebay. [column 1] On both sides below it is a marshy flat of varying veg cover. Some parts have meadowsweet and *Iris* with *Potentilla palustris* with patches of tall called scrub. Meadowsweet and the cinquefoil also grow in lower vegetation with *Galium palustre*, *Carex rostrata*, and more locally *Juncus effusus*. *Spergonium* is present in large patches and reeds invade and dominate the vegetation near the loch. A stream with *Mimulus* and *Myosotis* passes under the line. By the loch the flat disappears and at one point the BA force includes some of the open water of the lake with *Callitriche* and *Potamogeton* as well as *Myriophyllum* [column 2]. The rough grass of the embankment passes gradually into a more herb-rich cutting grassland with ever more abundant *Centaurea* and a little *Troopogon* and *Linaria*. This cutting surrounds the broad flat mentioned below and passes gradually SE into a narrow flat with an intensively grazed turf of fescue/bent with clover, *Galium saxatile*, *Athyridiadelphus*, *Galium saxatile* and occasional low bush tree [column 3]. The most interesting area is the broad flat SE of MP151 1/4. This is generally moist and dominated by herb-rich open low vegetation of *Carex flacca*, *Juncus subuliflorus*, *J. acutifolius*, *Cirsium palustre*, *Eriophorum angustifolium*, *Galium*, *Erica tetralix*, *Lychnis*, *Angelica*, *Filipendula*, *Sarcocolla equisetum*, *Dactylorhiza purpurella* with *Ephegnum* patches, locally there are drier humps covered in rich turf with *Calluna*, *Euphrasia*, *Linum*, *Anthoxanthum*, *Infolium pratense*, *Centaurea nigra*, *Listera ovata* and *Hypericum pulchrum* [column 4].

PREFERRED MANAGEMENT

Some scrub removal in the marsh & broad flat locally. Otherwise little needed.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Some ballasting. Very intensive rabbit grazing in the SE.

ANIMAL RECORD	REGN. Sc	DIVN. NE	AREA I	SITE 8231
SITE NAME loch Watter	RECORDER J.M. Harris	WEATHER Generally bright and sunny but very blustery and some scattered showers. Cool with c. 90% cloud cover.		LANDFORM 1 2 3 4 5 6 7 Embankment with marshy flats to NW. Then a broad flat in a medium cutting. Slopes declining to produce narrow flat in SE.
M.P. 151 → 152	TIPPING locally moderate but colonised	COUNTY Highland (Caithness)	N.L.U. Improved pasture, marsh & loch.	DATE 21.8.80
				TIME 1345 → 1515

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	6	10	700	Embankment has vegetation with sallow scrub and reed-scrump on flat below. Broad marshy flat in dree enclosed by cutting slope produces variety of food & cover. The narrow grassy flat heavily grazed to the SE is very poor. Not a bad site providing useful complement to loch with cover & food. Not a wild-fowl or crane site but serves to diversify the loch for passerines etc. The rabbit population is very high and accident-prone. Unsuitable weather for insects.	Birds (small)	3	3	2
1	6	50	708		Birds (large)	2	2	1
2	2	20	700		Mamm. (small)	3	2	2
2	4	20	700		Mamm. (large)	2	1	1
3	0	2	700		Other verts.	1	1	1
3	6	1	700		Lepidoptera	2	.	2
					Other insects	2	2	2
					Other inverts.	2	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Common Gull	2550	6	Rabbit	5		
Pied Wagtail	5032	2				
Meadow Pipit	4930	3				
Shorling	5180	4				
Swallow	3610	1				
contd. over			contd. over		contd. over	
Mute Swan	0570	4				
Goosander	1050	2				
Flooded Crow	3682	1				
Dunlin	2350	2				
contd. over			contd. over		contd. over	

SPECIES LIST OF ANIMALS contd.

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.

CASUALTY LIST OF ANIMALS RECORDED ON B.R.

			Rabbit — c. 30 Sheep	4 1		

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Montrose Station Map Ref NO71.58. Data bank ref

NCC Region South-east Scotland County Tayside [Angus] Internal ref B233

STATUS Part of Adjacent to NNR PNNR INR SSSI Montrose Basin

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Precise position chosen to include station yards

INTEREST Plants General Local Rare Very rare
Animals Insects Reptiles Birds Mammals

Habitat) describe - Dry grassland, cinder & ballast flats, salt marsh
Geological)

RAILWAY REGION Scottish DIVISION North-eastern AREA South

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.C.E.)
Telephone number

Puth Str.
TAYSIDE

Tel. No. 0738 21211

Name of railway line Dundee -> Aberdeen

Access at Montrose Str. at NO711580. Mileage post 314

<u>NOTIFICATION</u>	<u>With whom</u>	<u>By whom</u>	<u>Date</u>	<u>Re.</u>
Site notified to BR				
Management agreement (see section 3 for detail)				

<u>VISITS</u>	<u>Date</u>	<u>By whom</u>	<u>Assessment/Action</u>
	<u>16th Sept. 1980.</u>	<u>Dr. C.M. Sargent, J.M. Harris & H.S. Killick</u>	<u>Good collection of chairs and species spreading north on warm dry railway yards. The species list is diverse & rich. The habitats themselves are poor and not likely to support a good variety of animals. The context however (between an ornithological SSSI and urban area) gives the site a boundary function. * Likely to be a good source of new records and may act as bridgehead for species transported by BR. Of itself a poor site but may well contribute to the local flora by enriching the species list. The status of the chairs & adventives should be assessed in locally context. Note monitor & check other yards.</u>

FILE OPENED BY ITE Monks Wood

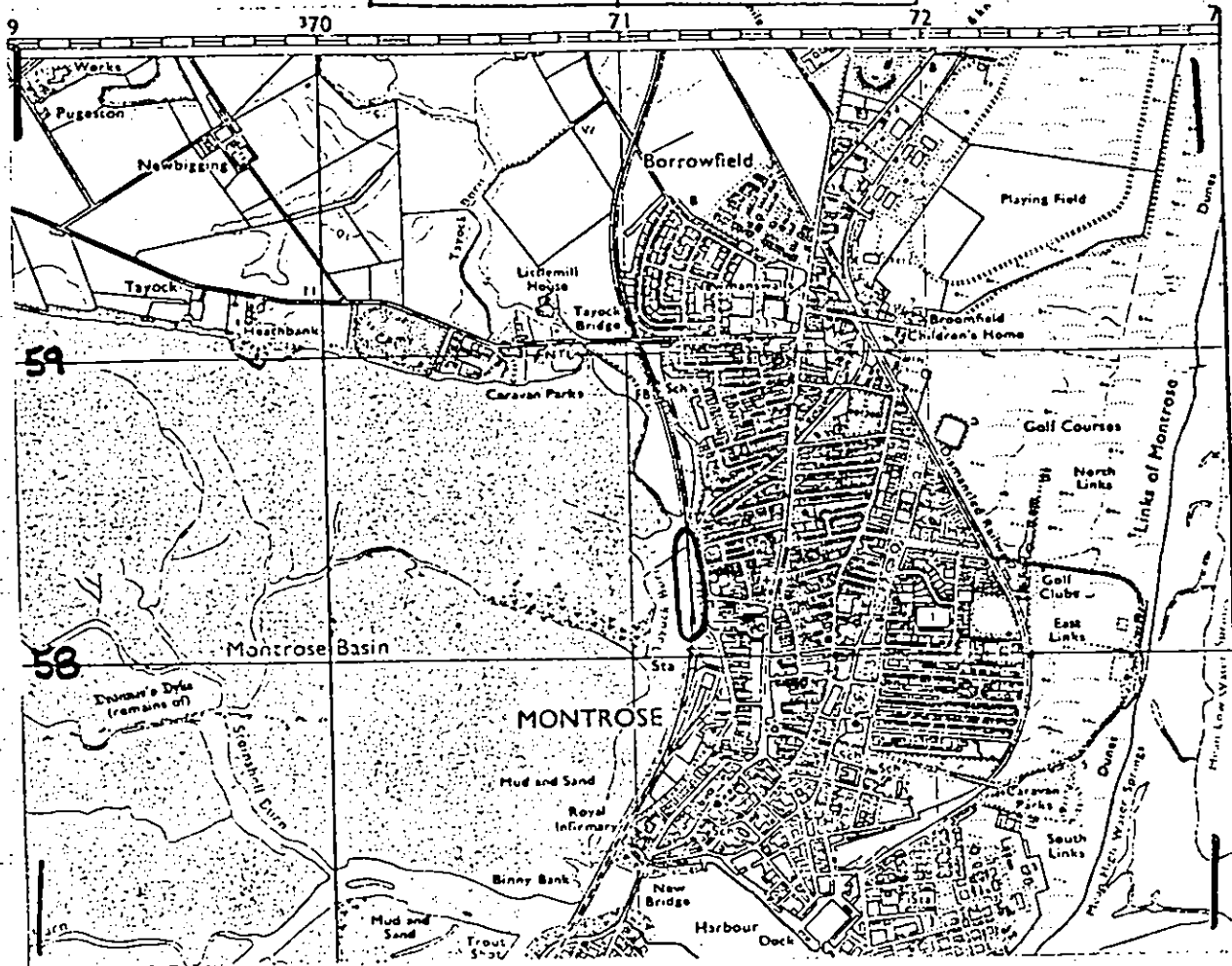
DATE 6th Jan. 1981

LOCATION MAP SCALE 1:25000

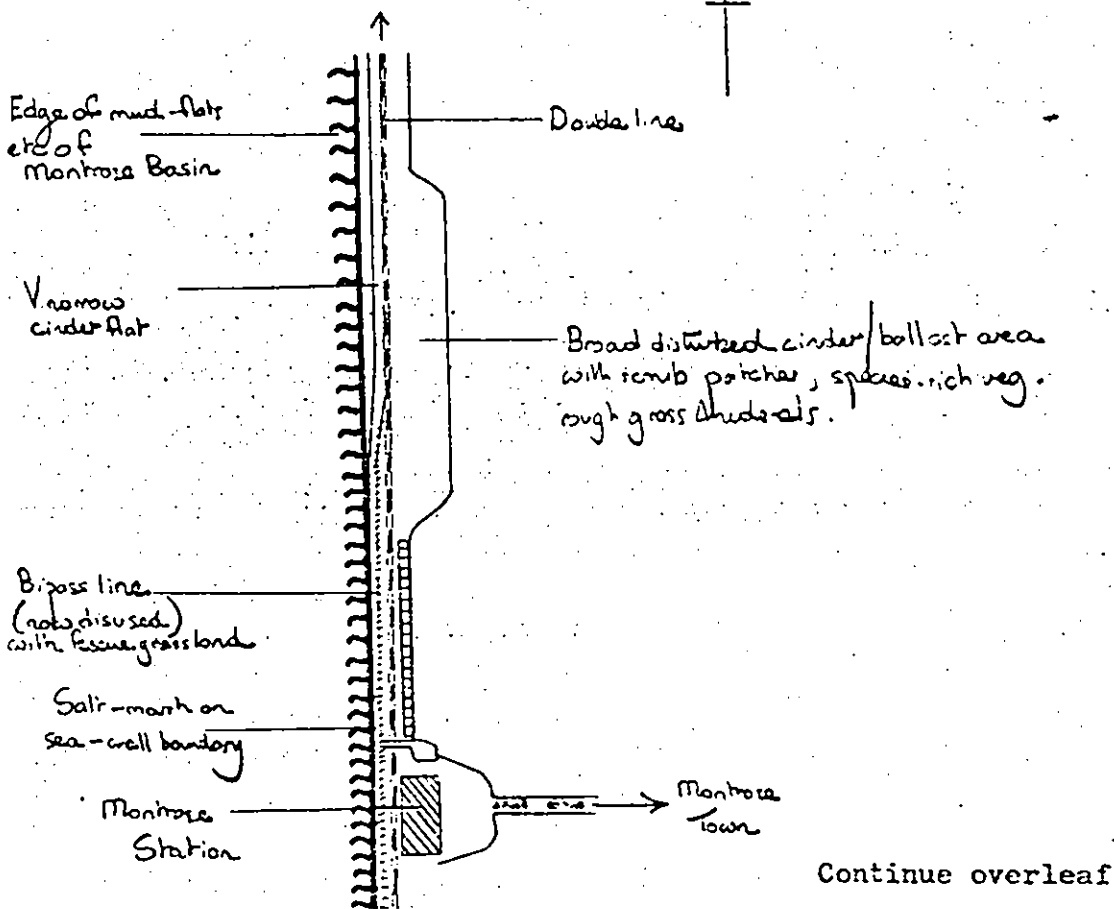
SHEET NO. NO65/75 MAP REF NO71.58

LOCATION STATUS

<u>Accurate</u>	Approximate
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SKETCH MAP Scale 30cm = 1km



Continue overleaf

Altitude → 20'

Local Geology Marine alluvium

Neighbouring landuses Estuarine Basin—mudflats etc, housing etc.

DIRECTION FROM ACCESS

<input checked="" type="checkbox"/> N	<input type="checkbox"/> E	<input type="checkbox"/> W	<input type="checkbox"/> S	<input type="checkbox"/> E	<input type="checkbox"/> W
---------------------------------------	----------------------------	----------------------------	----------------------------	----------------------------	----------------------------

 or

BOTH

Dist from * access point	0 → 150m	150 → 300m	100 → 250m				
Side of track °	W	W	E				
Landform x	Sea-wall	Flat	Flat				
Aspect—degrees	—	—	—				
Width—metres	0.7m.	1.2m.	→ 2.5m.				
Disturbance +	Tide	S. Tipp.	S. Tipp.				

- * If site is both sides of access point, precede distance by cardinal point
- ° Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Many of the plants are apparently new to the whole region: Swida sericea, Coronaster, Crocosmia, Lupinus arboreus, Hirschfeldia. Others have their only known record at Montrosa: Lamium hybridum, Linaria repens, Epilobium ciliatum, Malilotus indica, Abnaris repens. Almost 100 spp.

General vegn characteristics and habitat description indicate side of track

The SW corner of the site, across the line from the station has a sea-wall washed by high tides & allowing a saltmarsh vegetation to colonise the BR land. Elymus occurs above with scattered plants of Honkenya, Atriplex spp., Aster, Cochlearia, Glaux and considerable Plantago maritima. The old line behind it is mainly covered in a low herb-rich grassland on cinder with Faba but a plantains as well as Lamium spp. etc & tall forbs such as rosella and bindweed near the fence. The sea-wall community fades out as the old track bed joins the water line & the boundary fence leaves the edge of the Basin, c. 150m. N. of the Stn. [column 1]. From here eastwards on the West side is a narrow cinder verge bearing an impoverished and more disturbed form of the vegetation described in the old bypass the [column 2]. The widest expanse of vegetation with many of the above spp. lots as of special interest lies on the E. side c. 100m. plus N. of the station. This is a mosaic of coarse grassland — Arrhenatherum/cock's foot — with low fescue/Poa/ant, Plantago spp, Tripleurosternum, Polygonum spp, aescrocarpous moor in a locally moist & ridged cinder & ballast flat. Near the fence scrub Sparganium becomes more common and the grassland has Taraxacum, Cirsium spp. & Centaurea. Linaria repens is present in a good population where the vegetation is more open [column 3]. Another stand of Elymus occurs in the latter area, the only true maritime E. of the line

PREFERRED MANAGEMENT

Renewed disturbance to keep the cinder/ballast open.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Disturbed through dumping. Some cinder compaction. Oil pollution & spraying. SW. corner subject to spray & tide.

16.9.80 form.

BRYOPHYTES

DATE 16th Sept. 1980

RECORDER Dr. C.M. Sargent

Additional Species NAME

CODE

001	Acro cord	0874	vir	185	rufo	369	omnu	460	Pleu acum	546	pauc	681	Adri	790	Leio	883	lary
002	Acro cord	0874	arce	186	sch	372	taxi	461	subu	547	pul	682	Anas	791	bant	884	plua
003	Acro cord	0874	arce	187	squa	374	vir	462	subu	548	trcu	683	Anas	794	muel	885	plua
004	Acro cord	0874	arce	188	subu	375	vir	463	subu	549	trif	684	Anth	796	turb	886	plua
005	Acro cord	0874	bico	189	var	376	anri	464	Pohl acum	551	Sema	685	Anth	801	cavi	887	quad
006	Acro cord	0874	bico	190	var	377	anri	465	Pohl acum	551	Sema	686	Anth	801	cavi	888	quad
007	Acro cord	0874	caru	191	dicr	378	anri	466	subu	554	Spha	690	Apha	801	ozor	889	quad
008	Acro cord	0874	caru	192	dicr	379	anri	467	subu	554	Spha	691	Apha	801	ozor	890	quad
009	Acro cord	0874	caru	193	dicr	380	anri	468	subu	555	comp	692	Barb	804	ozor	891	quad
010	Acro cord	0874	caru	194	dicr	381	anri	469	subu	556	comp	693	Barb	804	ozor	892	quad
011	Acro cord	0874	caru	195	dicr	382	anri	470	subu	557	comp	694	Barb	804	ozor	893	quad
012	Acro cord	0874	caru	196	dicr	383	anri	471	subu	558	comp	695	Barb	804	ozor	894	quad
013	Acro cord	0874	caru	197	dicr	384	anri	472	subu	559	comp	696	Barb	804	ozor	895	quad
014	Acro cord	0874	caru	198	dicr	385	anri	473	subu	560	comp	697	Barb	804	ozor	896	quad
015	Acro cord	0874	caru	199	dicr	386	anri	474	subu	561	comp	698	Barb	804	ozor	897	quad
016	Acro cord	0874	caru	200	dicr	387	anri	475	subu	562	comp	699	Barb	804	ozor	898	quad
017	Acro cord	0874	caru	201	dicr	388	anri	476	subu	563	comp	700	Barb	804	ozor	899	quad
018	Acro cord	0874	caru	202	dicr	389	anri	477	subu	564	comp	701	Barb	804	ozor	900	quad
019	Acro cord	0874	caru	203	dicr	390	anri	478	subu	565	comp	702	Barb	804	ozor	901	quad
020	Acro cord	0874	caru	204	dicr	391	anri	479	subu	566	comp	703	Barb	804	ozor	902	quad
021	Acro cord	0874	caru	205	dicr	392	anri	480	subu	567	comp	704	Barb	804	ozor	903	quad
022	Acro cord	0874	caru	206	dicr	393	anri	481	subu	568	comp	705	Barb	804	ozor	904	quad
023	Acro cord	0874	caru	207	dicr	394	anri	482	subu	569	comp	706	Barb	804	ozor	905	quad
024	Acro cord	0874	caru	208	dicr	395	anri	483	subu	570	comp	707	Barb	804	ozor	906	quad
025	Acro cord	0874	caru	209	dicr	396	anri	484	subu	571	comp	708	Barb	804	ozor	907	quad
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027	Acro cord	0874	caru	211	dicr	398	anri	486	subu	573	comp	710	Barb	804	ozor	909	quad
028	Acro cord	0874	caru	212	dicr	399	anri	487	subu	574	comp	711	Barb	804	ozor	910	quad
029	Acro cord	0874	caru	213	dicr	400	anri	488	subu	575	comp	712	Barb	804	ozor	911	quad
030	Acro cord	0874	caru	214	dicr	401	anri	489	subu	576	comp	713	Barb	804	ozor	912	quad
031	Acro cord	0874	caru	215	dicr	402	anri	490	subu	577	comp	714	Barb	804	ozor	913	quad
032	Acro cord	0874	caru	216	dicr	403	anri	491	subu	578	comp	715	Barb	804	ozor	914	quad
033	Acro cord	0874	caru	217	dicr	404	anri	492	subu	579	comp	716	Barb	804	ozor	915	quad
034	Acro cord	0874	caru	218	dicr	405	anri	493	subu	580	comp	717	Barb	804	ozor	916	quad
035	Acro cord	0874	caru	219	dicr	406	anri	494	subu	581	comp	718	Barb	804	ozor	917	quad
036	Acro cord	0874	caru	220	dicr	407	anri	495	subu	582	comp	719	Barb	804	ozor	918	quad
037	Acro cord	0874	caru	221	dicr	408	anri	496	subu	583	comp	720	Barb	804	ozor	919	quad
038	Acro cord	0874	caru	222	dicr	409	anri	497	subu	584	comp	721	Barb	804	ozor	920	quad
039	Acro cord	0874	caru	223	dicr	410	anri	498	subu	585	comp	722	Barb	804	ozor	921	quad
040	Acro cord	0874	caru	224	dicr	411	anri	499	subu	586	comp	723	Barb	804	ozor	922	quad
041	Acro cord	0874	caru	225	dicr	412	anri	500	subu	587	comp	724	Barb	804	ozor	923	quad
042	Acro cord	0874	caru	226	dicr	413	anri	501	subu	588	comp	725	Barb	804	ozor	924	quad
043	Acro cord	0874	caru	227	dicr	414	anri	502	subu	589	comp	726	Barb	804	ozor	925	quad
044	Acro cord	0874	caru	228	dicr	415	anri	503	subu	590	comp	727	Barb	804	ozor	926	quad
045	Acro cord	0874	caru	229	dicr	416	anri	504	subu	591	comp	728	Barb	804	ozor	927	quad
046	Acro cord	0874	caru	230	dicr	417	anri	505	subu	592	comp	729	Barb	804	ozor	928	quad
047	Acro cord	0874	caru	231	dicr	418	anri	506	subu	593	comp	730	Barb	804	ozor	929	quad
048	Acro cord	0874	caru	232	dicr	419	anri	507	subu	594	comp	731	Barb	804	ozor	930	quad
049	Acro cord	0874	caru	233	dicr	420	anri	508	subu	595	comp	732	Barb	804	ozor	931	quad
050	Acro cord	0874	caru	234	dicr	421	anri	509	subu	596	comp	733	Barb	804	ozor	932	quad
051	Acro cord	0874	caru	235	dicr	422	anri	510	subu	597	comp	734	Barb	804	ozor	933	quad
052	Acro cord	0874	caru	236	dicr	423	anri	511	subu	598	comp	735	Barb	804	ozor	934	quad
053	Acro cord	0874	caru	237	dicr	424	anri	512	subu	599	comp	736	Barb	804	ozor	935	quad
054	Acro cord	0874	caru	238	dicr	425	anri	513	subu	600	comp	737	Barb	804	ozor	936	quad
055	Acro cord	0874	caru	239	dicr	426	anri	514	subu	601	comp	738	Barb	804	ozor	937	quad
056	Acro cord	0874	caru	240	dicr	427	anri	515	subu	602	comp	739	Barb	804	ozor	938	quad
057	Acro cord	0874	caru	241	dicr	428	anri	516	subu	603	comp	740	Barb	804	ozor	939	quad
058	Acro cord	0874	caru	242	dicr	429	anri	517	subu	604	comp	741	Barb	804	ozor	940	quad
059	Acro cord	0874	caru	243	dicr	430	anri	518	subu	605	comp	742	Barb	804	ozor	941	quad
060	Acro cord	0874	caru	244	dicr	431	anri	519	subu	606	comp	743	Barb	804	ozor	942	quad
061	Acro cord	0874	caru	245	dicr	432	anri	520	subu	607	comp	744	Barb	804	ozor	943	quad
062	Acro cord	0874	caru	246	dicr	433	anri	521	subu	608	comp	745	Barb	804	ozor	944	quad
063	Acro cord	0874	caru	247	dicr	434	anri	522	subu	609	comp	746	Barb	804	ozor	945	quad
064	Acro cord	0874	caru	248	dicr	435	anri	523	subu	610	comp	747	Barb	804	ozor	946	quad
065	Acro cord	0874	caru	249	dicr	436	anri	524	subu	611	comp	748	Barb	804	ozor	947	quad
066	Acro cord	0874	caru	250	dicr	437	anri	525	subu	612	comp	749	Barb	804	ozor	948	quad
067	Acro cord	0874	caru	251	dicr	438	anri	526	subu	613	comp	750	Barb	804	ozor	949	quad
068	Acro cord	0874	caru	252	dicr	439	anri	527	subu	614	comp	751	Barb	804	ozor	950	quad
069	Acro cord	0874	caru	253	dicr	440	anri	528	subu	615	comp	752	Barb	804	ozor	951	quad
070	Acro cord	0874	caru	254	dicr	441	anri	529	subu	616	comp	753	Barb	804	ozor	952	quad
071	Acro cord	0874	caru	255	dicr	442	anri	530	subu	617	comp	754	Barb	804	ozor	953	quad
072	Acro cord	0874	caru	256	dicr	443	anri	531	subu	618	comp	755	Barb	804	ozor	954	quad
073	Acro cord	0874	caru	257	dicr	444	anri	532	subu	619	comp	756	Barb	804	ozor	955	quad
074	Acro cord	0874	caru	258	dicr	445	anri	533	subu	620	comp	757	Barb	804	ozor	956	quad
075	Acro cord	0874	caru	259	dicr	446	anri	534	subu	621	comp	758	Barb	804	ozor	957	quad
076	Acro cord																

ANIMAL RECORD	REGN. Sc	DIVN. NE	AREA S	SITE 8233
SITE NAME Montrose Station	RECORDER J.M. Harris	WEATHER Moderate to fresh breeze. Cool. 100% cloud. Dull.		LANDFORM ① 2 3 4 5 6 7 Cinder & ballast slab by line.
M.P. 314	TIPPING Heavy & patchily colonized	COUNTY Tayside [Angus]	N.L.U. Estuary & urban.	DATE 16.9.80
				TIME 1215 → 1320

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	5	700	Narrow cinder & ballast slab N. of station with patchy species-rich vegetation on old siding & associated yard. Nearest fence continuous grassland and some scrub. More disturbed on very narrow strip near Basin & with an area of tide-washed sea-wall with salt marsh spp included in the S. Pool. A small for birds especially in context of the SSSI Basin. The richness of the flora may favour invertebrates, but the neighbouring urban gardens are probably better.	Birds (small)	1	1	1
1	6	30	700		Birds (large)	1	1	1
5	2	703	703		Mamm. (small)	1	1	1
6	5	30	703		Mamm. (large)	.	1	.
6	9	30	703		Other verts.	.	1	1
					Lepidoptera	2	.	2
				Other insects	2	2	2	
				Other inverts.	2	2	2	

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Blue Tit	3800	1	Rabbit	1	Red Admiral Butterfly	1
Robin	4000	1			Various Opiliones.	
Pied Wagtail	5032	1				
Starling	5180	1				
House Sparrow	5250	1				
contd. over			contd. over		contd. over	
Common Eider	0350	2				
Oystercatcher	0950	6				
Pied-billed Grebe	1820	1				
Curlew	1910	1				
Pintail	2020	2				
Pintail	2060	1				
Pintail	2180	1				
Herring Gull	2560	4				
Great Black-backed Gull	2580	2				
Black-headed Gull	2630	4				
Common Crow	3681	2				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Loch Park

Map Ref NJ361434 Data bank ref

NCC Region North-east Scotland County Grampian [Moray] Internal ref R351

STATUS

Part of	Adjacent to	NNR	PNNR	INR	SSSI
---------	-------------	-----	------	-----	------

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - Mixed deciduous young woodland with rich ground cover, coppiced. Some more open scrub & marginal veg.
)
Geological)

RAILWAY REGION Scottish DIVISION North-eastern AREA Aberdeen

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.C.E.)
Telephone number

Ruth Str.
TAYSIDE

Tel. No. 0738 21211

Name of railway line Dufftown branch (from Keith)

Access at Lane bridge over at NJ362435

Mileage post 60³/₄

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref

VISITS

Date	By whom	Assessment/Action
19th Sept. 1980	Dr. C.M. Sargent, J.M. Harris & H.J. Killick	Some very rich woodland quadrats with a number of typical NE. Scottish spp. The woodland here was exceptionally good for BR but probably not very special in the local context. The area of value here is quite restricted but further work may reveal more. * Note. Both sites examined on this line were above average & the traffic pressure is minimal. Some detailed survey work might follow and the whole line from Keith to its terminus could be work conserving.

Continue over

FILE OPENED BY ITE Monks Wood

DATE 7th Jan. 1981

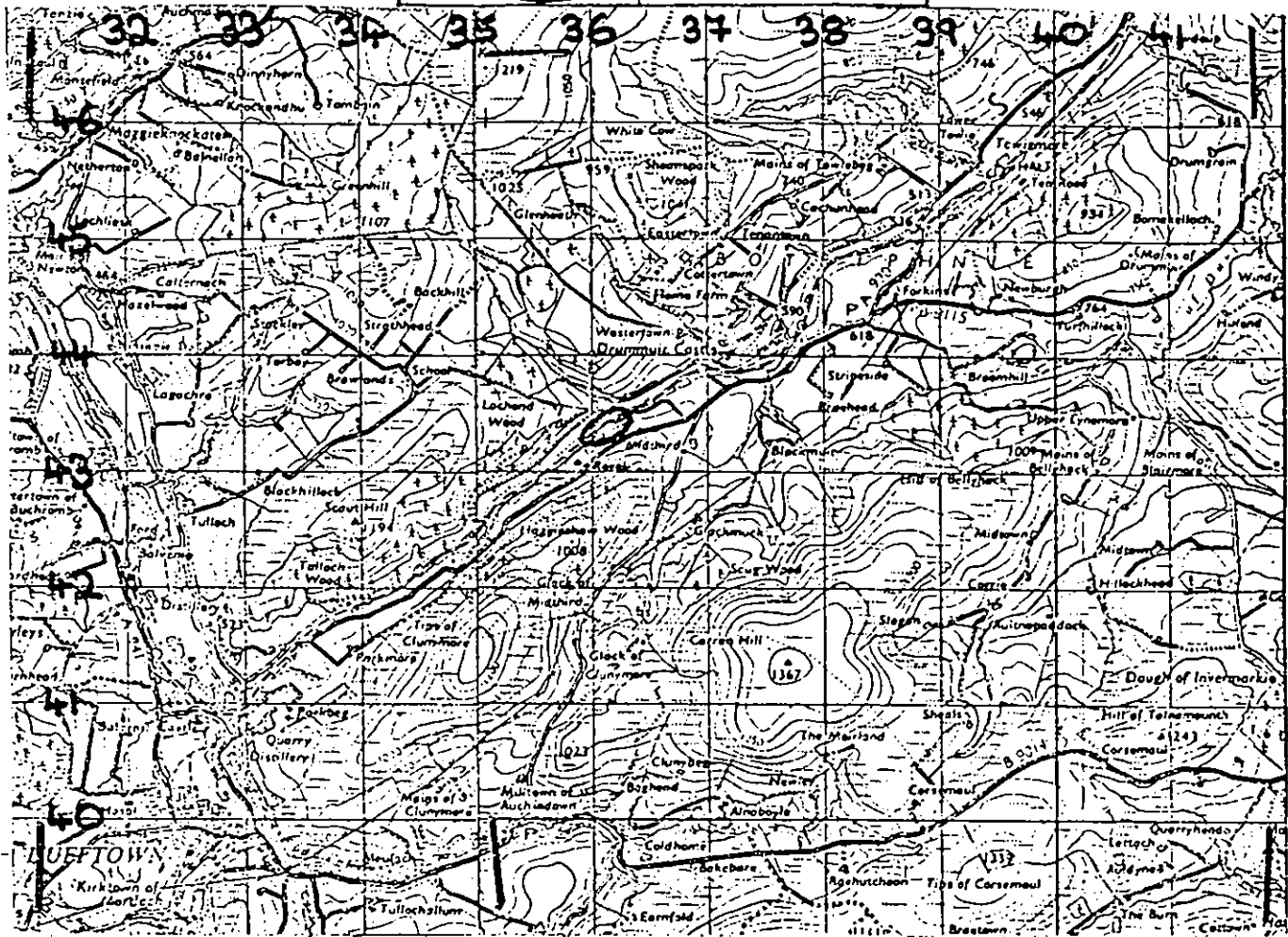
LOCATION MAP SCALE 1: 63360

SHEET NO. 29A30 MAP REF NJ361434

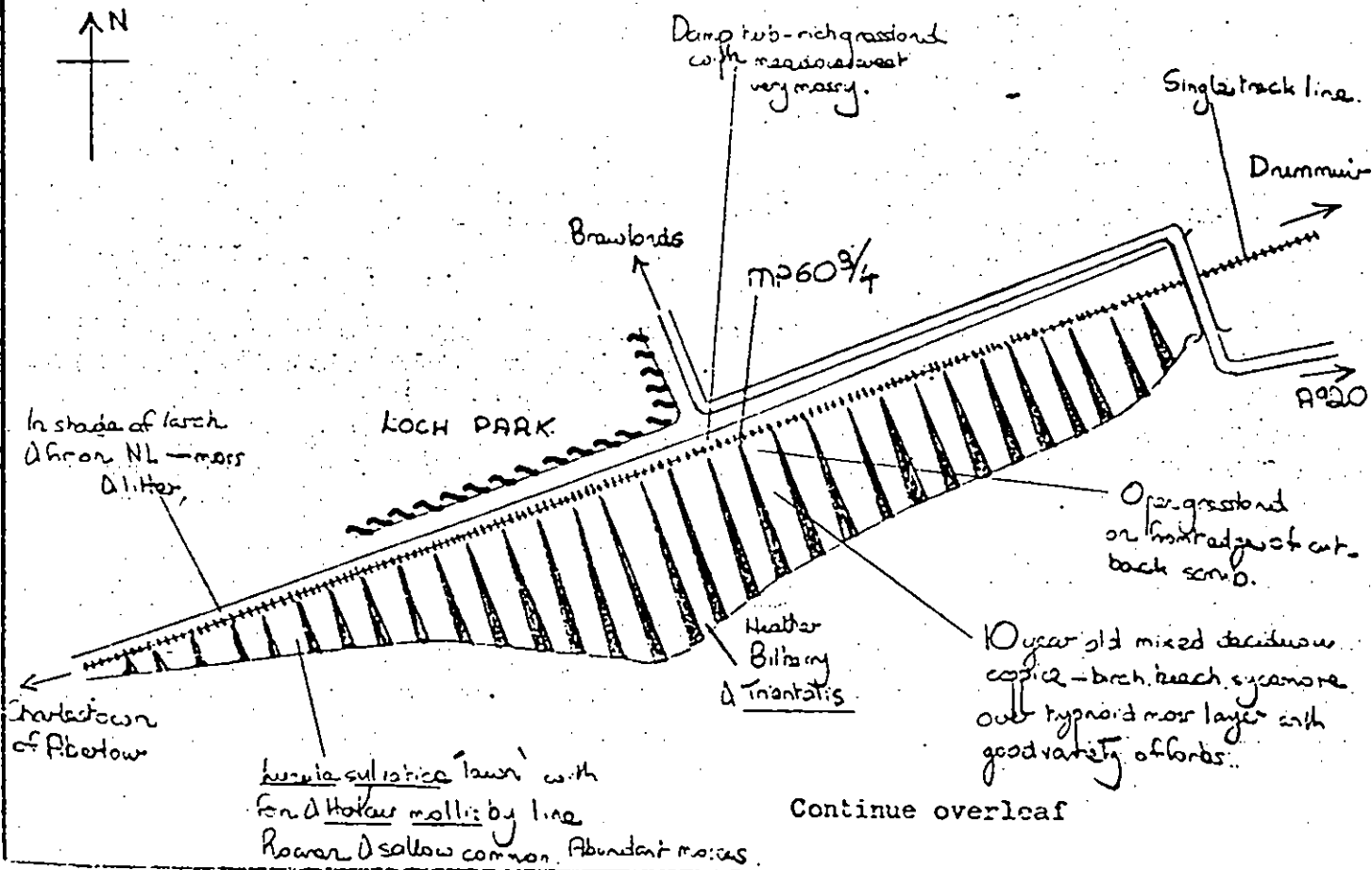
LOCATION STATUS

Accurate

Approximate



SKETCH MAP Scale 80cm = 1km.



Luzula sylvatica lawn with
 few *Holcus mollis* by line
 Poaceae & sallow common. Abundant mosses.

Continue overleaf

SITE NAME Loch Park

CDB ref

(Section 3)
Internal ref R351

Altitude 580 → 620

Local Geology Alluvium over N. edge; Metamorphic: Black Schists (dark schists & slates); band of metamorphic limestones along SE. edge

Neighbouring landuses Mixed deciduous woodland, lake, road

DIRECTION FROM ACCESS

N E **W** S E W or BOTH

Dist from * access point	0 → 200m	0 → 160m	60 → 200m				
Side of track °	N	S	S				
Landform x	Flat	S. Cut	Cut				
Aspect-degrees	—	340°	335°				
Width-metres	→ 2.5m	→ 28m	→ 25m				
Disturbance +	Spray	Clear	—				

- * If site is both sides of access point, precede distance by cardinal point.
 o Indicate side of track by compass cardinal point
 x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
 + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Quite a rich site with over 120 plant spp.. *Flagiostyla spiculosa* & *Dryopteris carthusiana* are both new in E. Scotland. *Saxifraga hypnifolia* are local. *Pyrola* & *Trientalis* are regional specialities.

General veg characteristics and habitat description indicate side of track

The north side is mainly a narrow flat often in the shade of the neighbouring conifer trees. Near the AP it is somewhat broader and at the MP has a damp herb-rich grassland of *Deschampsia caespitosa* & *Holcus mollis* with meadow-sweet over a thick peat layer dominated by *Minium uliculatum*, but with a good variety of spp. in a continuous carpet. *Nettle*, *Melilotus*, *Xanthoxylum* & *Lobelia* are occasional. The grassy patches of *Carex flacca* and *Finaria*. To the west there is no vascular vegetation under the larch & fir, and the ground cover is conifer needles with a scattering of leaf-mosses. [column 1]. The south side is a large bank up to nearly 30m wide in the middle but narrows to EAW. There are a number of steep rock exposures with a good variety of ferns and cushion mosses. By the line is a fringe of damp grassland similar to col. 1 but with *Dactylis* also common, *Genum* etc. There is partial shade from the trees behind and the near cover is 60% with a mixture of hybrid spp. other cover *pleurocarps* & *Minium uliculatum*. The woodland which covers much of the slope was cut about 10 years ago & has taken over from a 'moss crop' of gorse etc. which is now standing dead. The trees are tightly packed — 35 in a 25m² quadrat. Birch is probably the main species but beech is also common as is sycamore. Other important trees are willows, larch & rowan. *Rubus* spp are present but not common. The forb cover is patchy and consists of *Dryopteris*, *Geranium robertianum*, *Genum*, *Deschampsia flexuosa* & *Blachnum* as well as *Anemone*, *Saxifraga*, *Primula*, *Polystichum* & *Geranium sylvaticum*. The moss cover is always over 50% & *Thuidium* is often dominant, but up to 20 spp occur in a quadrat with many spp. significant. Near the fence *Erica* & *Vaccinium* grow on drier ground with *Trientalis*, *Pyrola*, *Oxypetalis* & *Veronica officinalis*. [column 2]. Toward the west end the scrub thins out & an almost pure community of *Junco sylvatica* occurs with thick litter, little moss & frequent low willow. By the line this gives way to *Dryopteris*, *Holcus mollis*, *Dactylis*, *Deschampsia caespitosa*. A young cover over a continuous moss carpet, a very similar veg. to that by the line elsewhere [col. 3].

PREFERRED MANAGEMENT

None.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials. =
 Spraying along track-side. Some old tipping on the N. flat. Scrub last cut back about 1970.

19.9.80 form.

Continue overleaf

SIDE OF TRACK

N	E	W	S	E	W
---	---	---	---	---	---

DATE 19.80 RECORDER CMSargent/HJKillick

CRASSES	ADDITIONAL SPECIES	CODE	NAME
956	Abies grandis	956	Abies grandis
211	Athyria filix-foemina	211	Athyria filix-foemina
666	Dryopteris carthusiana	666	Dryopteris carthusiana
1105	Lonicera caerulea	1105	Lonicera caerulea
1631	Ryola minor	1631	Ryola minor
1729	Rubus idaeus	1729	Rubus idaeus
1786	Salix cinerea oleifolia	1786	Salix cinerea oleifolia
1828	Thiercium sp.	1828	Thiercium sp.
2076	Trientalis europaea	2076	Trientalis europaea
1239	Matrj	1239	Matrj
1247	Medk	1247	Medk
1250		1250	
1334	Meilb	1334	Meilb
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1577			

ANIMAL RECORD	REGN. Sc	DIVN. NE	AREA AB	SITE R351
SITE NAME Loch Park	RECORDER J.M. Harris	WEATHER 20% cloud cover. Bright & mild with a slight breeze.		LANDFORM 1 2 3 4 5 6 7 Narrow flat by fence on N. side. Broad steep cutting slope with narrow portions at either end and wide middle portion going up natural steep hill slope!
M.P. 60 3/4	TIPPING Minimal except on narrow N. plant	DATE 19.9.80	TIME 1030 → 1415	
COUNTY Glenpiper [Moray]	N.L.U. Lake; conifer, mixed A decid. wood.; road			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R	
0	1	75	726	Broad positive slope covered in mixed deciduous scrub cut back c. 10 years ago, with rich mossy ground layer, large marginal areas of <u>heather</u> . Some conifer mixed in and younger scrub. Narrow flat has mosses colonising circles in shade of neighbouring conifer trees. Some coarse damp grassland where this N. flat broadens. Not a bad site but the neighbourhood provides all its habitats, more extensively & with some new ones.	Birds (small)	3	2	2	
0	5		700		Birds (large)	1	1	1	
1	0		5		721	Mamm. (small)	2	2	2
1	6		5		700	Mamm. (large)	1	1	1
4	3	10			Other verts.	.	3	3	
					Lepidoptera	1	.	1	
					Other insects	2	2	2	
					Other inverts.	2	2	2	

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Robin	4000	1	Toad	1	Cicada sp.	1
Woodpigeon	2990	1			Various: Opiliones	2
Rook	3700	2				
Blue Tit	3800	1				
Coal Tit	3820	1				
contd. over			contd. over		contd. over	
Mallard	0720	4	Red Deer	1		
Tufted Duck	0870	1				
Coot	1770	2				
long-tailed Tit	2880	1				
Grey Wagtail	5050	1				
Bullfinch	5480	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Auchindachy

Map Ref NJ406474 Data bank ref.

NCC Region North-east Scotland

County Grampian [Moray]

Internal ref R352

STATUS

Part of	Adjacent to	NNR	PNNR	INR	SSSI
---------	-------------	-----	------	-----	------

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	<u>Rare</u>	Very rare
---------------	----------------	--------------	-------------	-----------

Animals	Insects	Reptiles	Birds	Mammals
---------	---------	----------	-------	---------

Habitat) describe - Tall herb vegetation, cinder waste ground, scrub.
)
Geological)

RAILWAY REGION Scottish DIVISION North-eastern

AREA Aberdeen.

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.C.E.)

Telephone number

Perth Sm.
TAYSIDE.

Tel. No. 0738 21211

Name of railway line Duffdown branch (from Keith)

Access at A920 bridge over at NJ406473

Mileage post 56 3/4

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Re

VISITS

Date	By whom	Assessment/Action
19th Sept. 1980	Dr. C.M. Sargent, J.M. Harris & H.J. Killick.	An interesting derelict station with a rich flora including both choice and damp semi-natural tall-herb vegetation. Provides a possible bridgehead for the establishment and subsequent spread of species not native to the area. It is also large enough to have some value in itself. * Note and monitor spread of species & new arrivals. The line here may have a limited future and the old station may either be redeveloped or left to go completely overgrown. Though not of great interest value, the kind of site is often absorbing to visit and will benefit from continued disturbance.

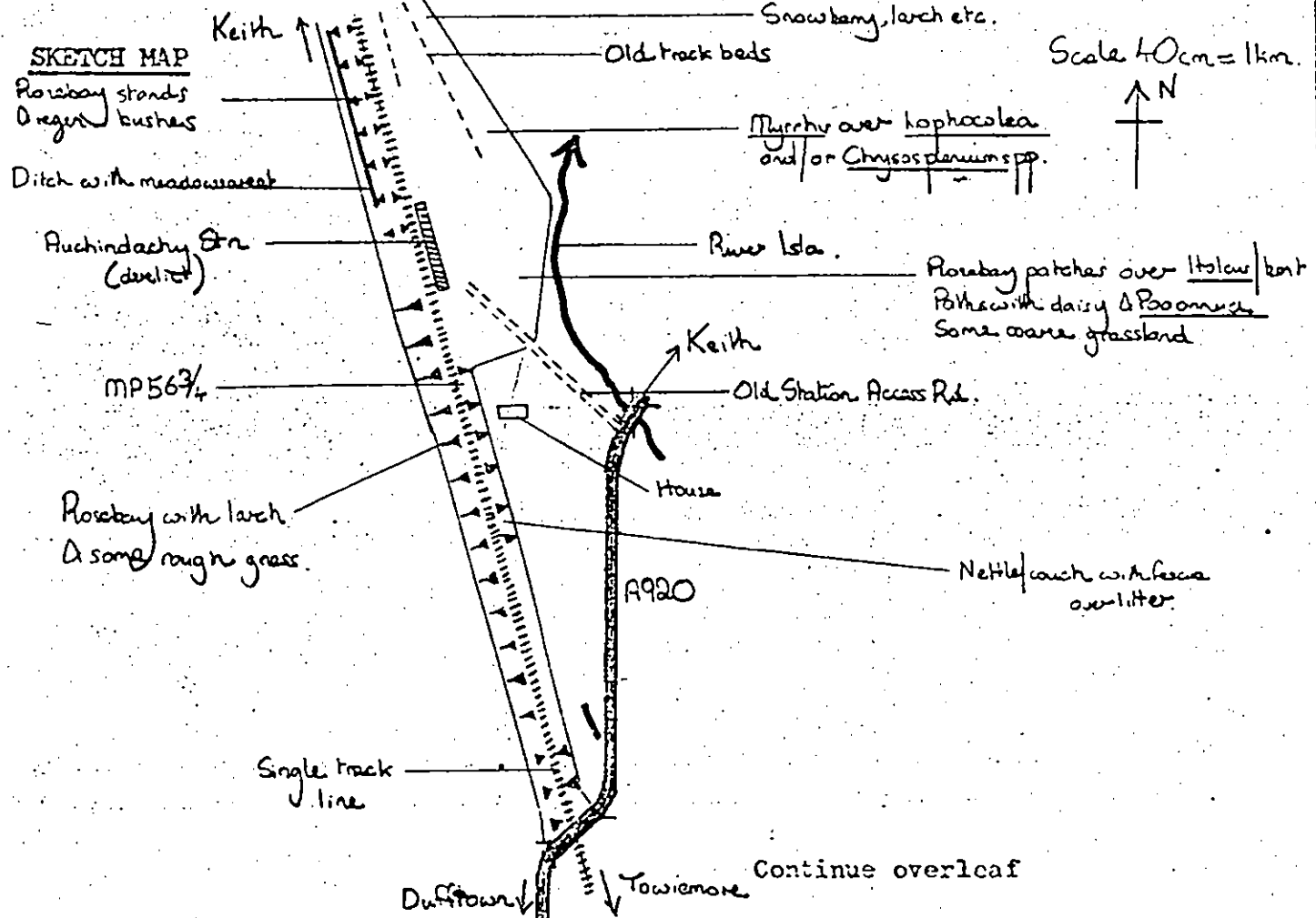
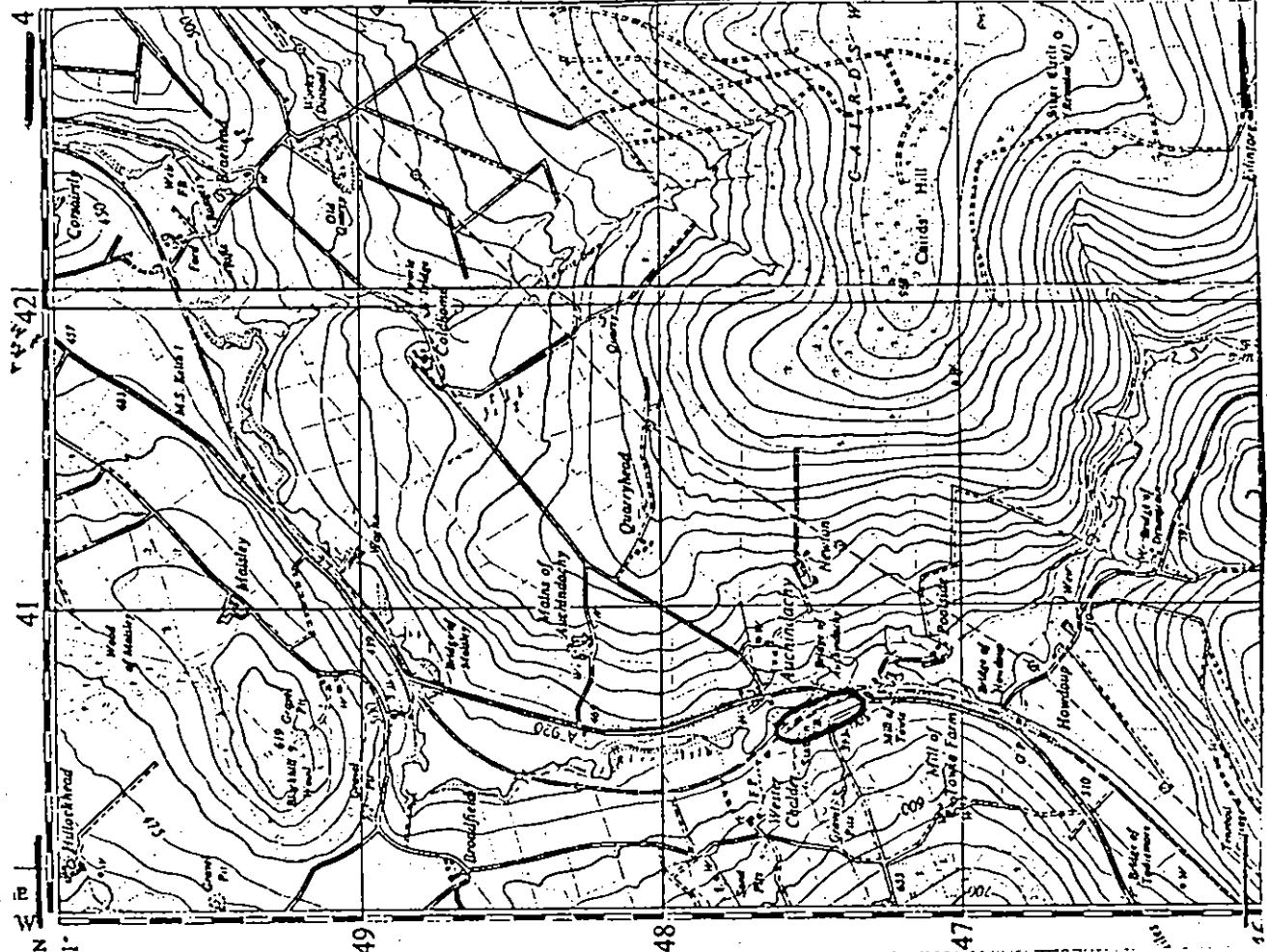
Continue over?

FILE OPENED BY ITE Manks Wood

DATE 8th Jan. 1981

LOCATION STATUS

<u>Accurate</u>	Approximate
-----------------	-------------



SITE NAME Auchindachy

CDE ref

(Section 5)
Internal ref R352Altitude 465 → 480

Local Geology

Alluvium near AP; over Metamorphic: Black Schists — dark schists & talusNeighbouring landuses Rough lowland grassland, River Isla & private garden.

DIRECTION FROM ACCESS

N E W S E W or BOTH

Dist from * access point	<u>0 →</u> <u>200m</u>	<u>200 →</u> <u>300m</u>	<u>0 →</u> <u>200m</u>	<u>200 →</u> <u>300m</u>				
Side of track °	<u>E</u>	<u>E</u>	<u>W</u>	<u>W</u>				
Landform x	<u>Various</u>	<u>Flat</u>	<u>Emb.</u>	<u>Com.</u>				
Aspect-degrees	<u>gen. 75°</u>	<u>—</u>	<u>255°</u>	<u>—</u>				
Width-metres	<u>3 → 8m.</u>	<u>→ 4.5m.</u>	<u>→ 8m.</u>	<u>→ 12m.</u>				
Disturbance †	<u>M. Tipp.</u>	<u>S. Cind.</u>	<u>M. Tipp.</u>	<u>loc. S. Cind.</u>				

- * If site is both sides of access point, precede distance by cardinal point.
 ° Indicate side of track by compass cardinal point
 x Flat, Cut, Emb., Combination, Complex, Steep, Moderate, Structure, etc.
 † Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Chysopterium alternifolium is a local native. Apple, snowberry and garden strawberry are all rare plants in N. Scotland.

General vegn characteristics and habitat description indicate side of track

The east side has a low embankment for much of its length covered in nettle stands with occasional tall trees, usually larch, Couch & hazels become commoner on the flatter ground by the line and a scattering of other tall herbs occurs. [column 1]. The most interesting area is the wide station yard further north. The area closer to the line is a mosaic of rosebay stands, coarse grassland types & trampled swards. The rosebay locally grows over Holcus lanatus and Holcus mollis with Agrostis tenuis, Deschampsia coarctata, Poa annua & Dactylis. This field layer can be quite species-rich. It occurs without the rosebay canopy occasionally especially by paths where Bellis and Poa annua grow in the more trampled areas. Briars locally colonise the yard and Fragaria is common. Near the fence the ground becomes bumpy and Myrica is dominant. In the damper parts Chysopterium spp. form a carpet under the umbrella ferns. Nettle & Agrostis are common. The ground is covered in bryophytes with Lophocolea especially abundant. A number of larches grow here and near the fence snowberry (rhododendron) are found with more horix. [column 2]. The embankment north from the AP on the west side is broader and largely dominated by rosebay with occasional nettle over litter & a scattering of low nitrophilous plauocarpus. By the line the Epilobium thins out somewhat & a number of regenerating larches grow with Arrhenatherum, briar etc. [column 3]. This kind of vegetation is found well north past the station onto the ridged bank by the ditch. The ditch itself has meadowsweet. Near the line the rosebay is growing almost as a single-species stand. Further away there is a layer of Deschampsia coarctata underneath — apparently suppressed — with some Arrhenatherum, Angelica & hazels plus fair population of Euthyrium canaliculatum and Brachythecium reticulatum. Broom & raspberry are by the line, elsewhere a variety of trees had colonised — Betula, horix, Alnus, Sorbus, Pinus, Fraxinus, Salix caprea — but all were low, have been cut back & regenerating. By the fence external growing allowed in Cynosurus, Alchemilla spp., Potentilla sterilis & Phytolacca squarrosa [column 4].

PREFERRED MANAGEMENT

Some mowing, removal of rosebay. Renewed disturbance.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Many of the trees had been cut c. 1975. Old ballast tipping is common. Spray along the trackside. Growing by the fences.

19.9.80 form.

Continue overleaf

ANIMAL RECORD	REGN. Sc	DIVN. NE	AREA AB	SITE R352
SITE NAME Auchindachy	RECORDER J.M. Harris	WEATHER Bright at first but clouding over. Still a mild.		LANDFORM 1 2 3 4 5 6 7 Slopt cutting at AP, then low emb. to station where broad flat on E. side. Complex of ridges & ditch on W. Old station including platform, etc. T2.
M.P. 56 3/4	TIPPING Near the station heavy but colonized.	DATE 19.9.80	TIME 1400 → 1600	
COUNTY Grapian [Moray]	N.L.U. Rough grassland, circular & garden.			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	20	726	Rough grassland & much tall herb vegetation of roadside, rattle & Myrrhis present. Some scrub of snowberry & rhododendron. Tall bushes colonising & common. Old platform & remains of station buildings. A small site except immediately by disused station where much of interest lies. Tall larches remain. Plenty of varied cover & good variety of vegetable food. Above average but no quite diverse area which probably possessed much of the types noted here.	Birds (small)	2	3	3
1	6	50	700		Birds (large)	1	2	1
2	5	15	700		Mamm. (small)	3	3	3
6	8	10	700		Mamm. (large)	1	1	1
6	9	15	700		Other verts.	.	2	2
					Lepidoptera	3	.	3
					Other insects	3	3	3
					Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Woodpigeon	2990	1	Rabbit	2	Various: Araneae	2
Herring Gull	2560	4	Chironomus sp.	1		
Small bird	3610	2				
Great Tit	3790	1				
Blue Tit	3800	1				
Robin	4000	1				
Blackbird	4240	1				
Mistle Thrush	4320	1				
Gold Finch	5950	1				
Chaffinch	5550	1				

contd. over

contd. over

contd. over

contd. over

contd. over

contd. over

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Stoch'd. Mor

Map Ref NH838252 Data bank ref

NCC Region North-west Scotland County Highland [Inverness] Internal ref R353

STATUS

Part of	Adjacent to	NNR	PNNR	LNR	SSSI
---------	-------------	-----	------	-----	------

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Randon Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	<u>Rare</u>	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - Rock cutting, heather moorland, calcifuge upland grass-land.
)
Geological)

RAILWAY REGION Scottish DIVISION North-eastern AREA Inverness

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.C.E.)

Telephone number

Perth Station
TAYSIDE.

Tel. No. 0738 21211

Name of railway line Perth to Inverness

Access at Lane off A9 by line at NH839250

Mileage post 95

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref

VISITS

Date	By whom	Assessment/Action
<u>20th Sept. 1980</u>	<u>Dr. C.M. Sargent, J.M. Harris, Dr. J.M. Way & H.J. Killick.</u>	<u>Good saxicolous flora with a number of local bryophytes. A plants more typical of base-rich conditions. The moorland is apparently a little richer than that on adjacent land but the two are continuous and BR contributes little. A useful artificial rock exposure providing new habitat at quite high altitude. One or two bryophytes are rare or under-recorded spp.</u> <u>* Note and assess in local context. Further examination of rockcuttings near Stoch'd Summit desirable. The section through the geological strata here may be interesting.</u>

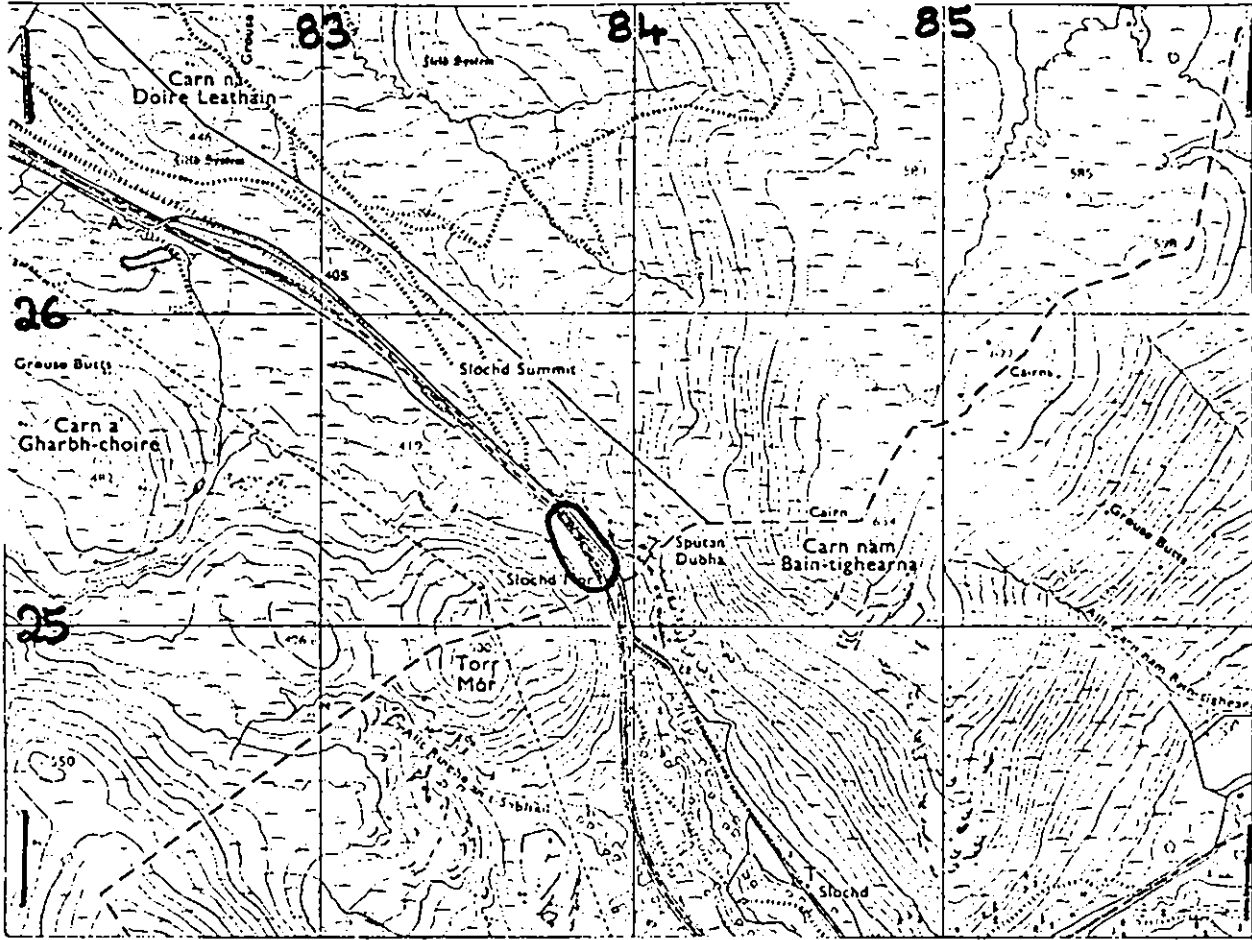
Continue over

FILE OPENED BY ITE Monks Wood

DATE 6th Jan. 1981

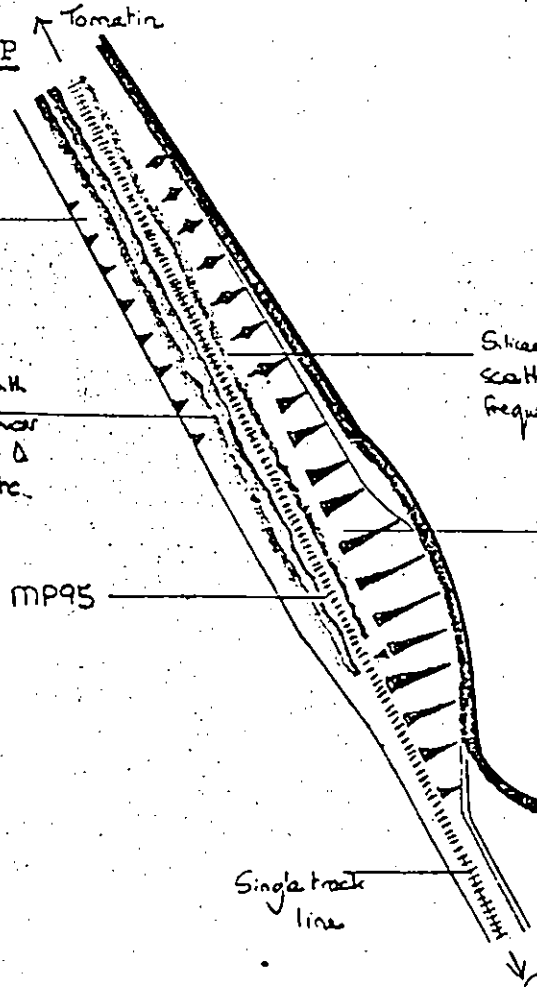
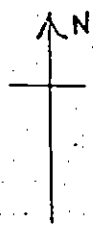
LOCATION STATUS

<u>Accurate</u>	Approximate
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SKETCH MAP

Scale 50cm = 1km.



Heather with patches of birch & rich turf.

Steep rock face with heather, good moss variety near line & ferns on shale etc.

Siliceous rock face with *Festuca* & *Deschampsia laxuosa* scattered in crevices and a good no. of herbs. Bryophytes frequent & varied.

Heather moorland with cowberry loc. sub-dome. A patcher of grassland over hypnoid moss carpet.

MP Cambridge

Continue overleaf

Cambridge

SITE NAME Gloch'd Mor

CDB ref

(Section 3)
Internal ref R353Altitude 1300'Local Geology Morenic drift: over metamorphic, Moine - undifferentiated schists & gneisses.Neighbouring landuses Moorland & road

DIRECTION FROM ACCESS

 N E W S E W

or

 BOTH

Dist from * access point	100 → 250m	150 → 250m	100 → 250m	100 → 250m	100 → 150m	150 → 250m		
Side of track °	NE	NE	NE	SW	SW	SW		
Landform x	S.Cut.	Cut.	C.Emb	S.Cut	Flat	Cut		
Aspect-degrees	245°	245°	65°	65°	—	65°		
Width-metres	→ 7m	→ 4m	→ 18.5m	→ 10m	→ 5m	→ 3m		
Disturbance +	—	—	—	—	—	—		

* If site is both sides of access point, precede distance by cardinal point

o Indicate side of track by compass cardinal point

x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.+ Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

The bryophyte list is good with the rare species Bryum mildesorum present as well as the uncommon Platidium pulcherrimum. Several spp are typically upland: Gymnomitrium obtusum etc & a number basiculous Plagioglossum alpinum, Encalypta cheptocarpa etc. Asplenium adnigrum & Polystichum aculeatum are not locally, Epilobium brunneum rapidly spreading and juniper plus Gymnocarpium local specialities.

General vegn characteristics and habitat description indicate side of track

The rock cutting is generally higher & steeper on the SW side but the cover throughout is similar with crevices & ledges supporting tufts of Festuca ovina, Deschampsia flexuosa & heather. There are often a good number of forbs spp scattered over the face e.g. Linum, Epilobium brunneum and the moss cover may be up to 10% with Oxytropis, Encalypta, Bryum spp, Campylopus spp. etc common. An especially good list is found on less stable rocky material near the cutting's base, and generally on the NE facing steep slopes less exposed to the sun. Where Fissidens, Barbilophzia, Racomitrium spp, lophozia etc. are all widespread. [columns 1 & 4]. The major cover on the gentler cutting slopes and flats above the rock face as well as the broad negative slope down to the AA is heather moor. This is quite variable, in places being a senescent single-species stand, in other places over a layer of cowberry or with significant areas of forb-rich upland acid grassland. Festuca ovina, Anthoxanthum, bent, Deschampsia flexuosa are co-dominant in these patches with Thymus etc and often over 20 spp of flowers plant in a 1m² quadrat. The moss layer is generally extensive, usually over 40% in cover and up to 85% with Hypnum, Hypnum, Rhytidelaphium spp, Pseudoclasopodium, occasionally on shallower soils some Racomitrium spp and where do Diaperocladus uncinatus. There are occasional patches of birch scrub but these are hardly significant. Lichens of the Cladonia type are widespread. Near the AA face some boulders occur amongst the heather [columns 2, 3, 5, 6] Juniper occurs in patches in the moor and Gymnocarpium occurs among boulders and on the cliff face.

PREFERRED MANAGEMENT

Some heather control may help diversity

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

None.

20.9.80 Jpm.

Continue overleaf

SITE NAME

Stock'd Mar

CDB ref

Internal ref R353

BRYOPHYTES

DATE 20th Sept. 1980

RECORDER Dr. C.M. Sargent

Additional Species CODE	Additional Species NAME
883	Law plan
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891	plac
892	plac
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ANIMAL RECORD	REGN. Sc	DIVN. NE	AREA I	SITE R353
SITE NAME Stoch'd Mor	RECORDER J.M. Harris	WEATHER 30% cloud & bright. Mild to q. warm. Slight breeze		LANDFORM 1 ② ③ 4 5 6 7 Mainly a rock outcrop but w. th negative slopes down toward the road on the E. side above it.
M.P. 95	TIPPING -	COUNTY Highland [Inverness] just!	N.L.U. Moorland & major road	DATE 20.9.80
				TIME 1430 → 1745

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
1	4	50	700	A bare rock outcrop with heather moorland on gentler slopes above. There are some ledges & overhangs on the rock face, mainly with moss cover but some grasses etc. There are patches of upland fescue/leant grass-land with <i>Molinia</i> & <i>Nardus</i> amongst the heather & a few areas of birch bushes. Site provides quite good shelter but limited resting opportunities & a generally restricted range i.e. food source. Also it is a site essentially continuous with the adjacent land & only the rock face is of note & this not for its animal life.	Birds (small)	2	2	2
0	5	5	700		Birds (large)	2	2	2
4	5	2	700		Mamm. (small)	2	2	2
	3	40	700		Mamm. (large)	2	1	1
					Other verte.		2	2
					Lepidoptera	2	.	2
					Other insects	2	2	2
					Other inverts.	2	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Great Tit	3790	1			Various Chilopoda	
Blue Tit	3800	1				
Coal Tit	3820	1				
long-tailed Tit	3880	1				
contd. over			contd. over		contd. over	
Red Grouse	1520	1	Rabbit	1		
Meadow Pipit	4930	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Kingussie

Map Ref NH784017 Data bank ref

NCC Region North-east Scotland

County Highland [Banoch A Strathgairn]

Internal ref R354

STATUS

Part of	<u>Adjacent to</u>	NNR	PMNR	LNR	<u>SSSI</u>
---------	--------------------	-----	------	-----	-------------

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
---------------	----------------	--------------	------	-----------

Animals	Insects	Reptiles	Birds	Mammals
---------	---------	----------	-------	---------

Habitat) describe - Herb-rich calcifuge grassland on shallow gravel soil.
)
 Geological)

RAILWAY REGION Scottish DIVISION North-Eastern

AREA [Inverness] South

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.C.E.)

Telephone number

Perth Str.
TAYSIDE

Tel. No. 0738 21211

Name of railway line Perth -> Inverness line

Access at level crossing at NH784017 off A9 at Lynchat Mileage post 73 1/2

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref

VISITS

Date	By whom	Assessment/Action
<u>21st Sept. 1980</u>	<u>Dr. C.M. Sargent, J.M. Harris & Dr. J.M. Gray</u>	<u>A fairly wide cutting cutting through fluvioglacial gravels etc A with abundant rabbit activity. Supports excellent acid sp- rich grassland but without any rare spp. The cover produced by the cutting allows for a fine bird lot. The site is a useful addition to the range of habitats present on the River Spey - Inch Marshes. SSSI immediately to the S. and performs a valuable boundary function.</u> * <u>Note. Several of the gravel cuttings along this valley were examined. This was undoubtedly the best but further exam- ination of the line between Cambridge A Newtonmore is needed. Similarly further work G. of R354 continue over.</u>

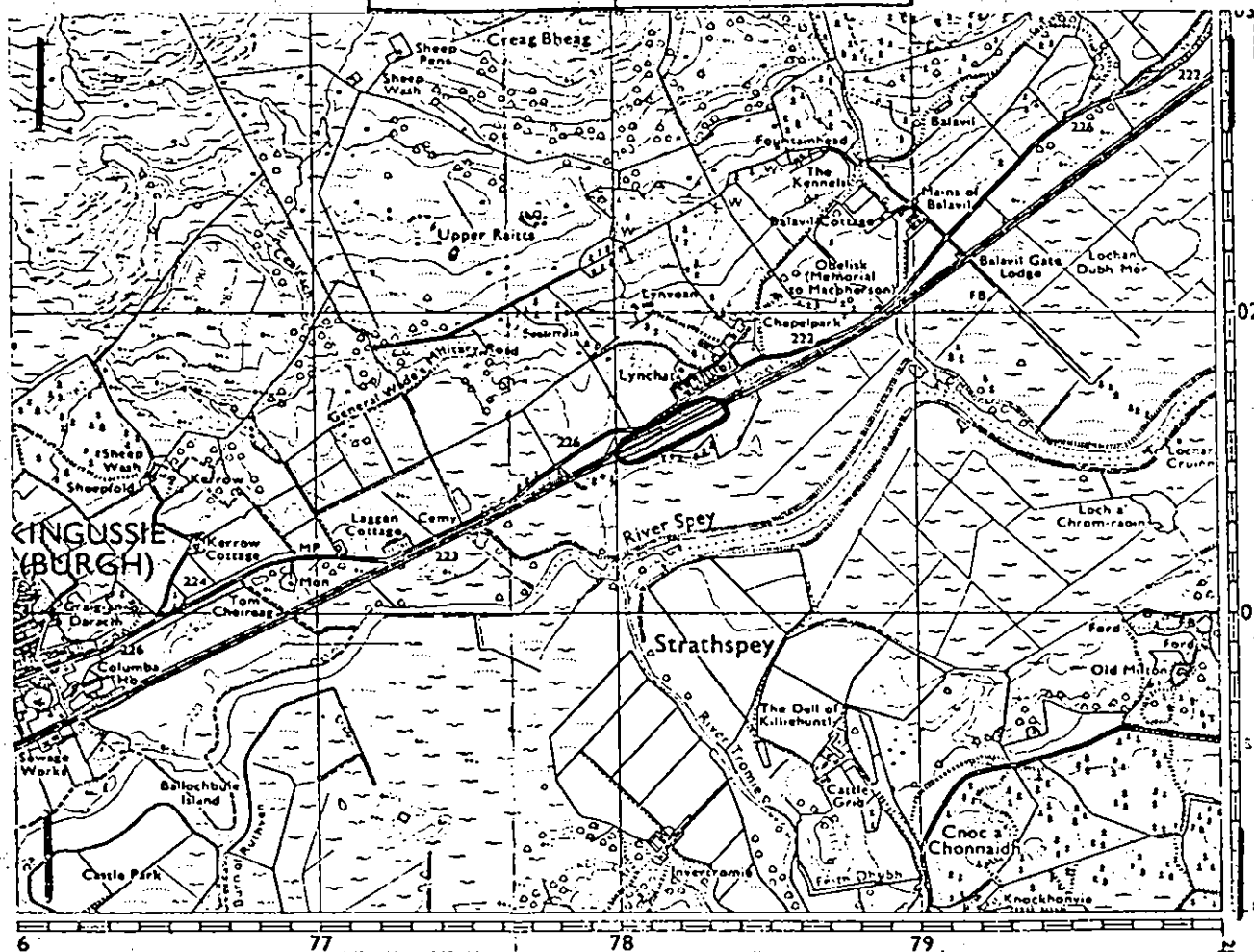
FILE OPENED BY ITE Monks Wood

DATE 7th Jan 1981

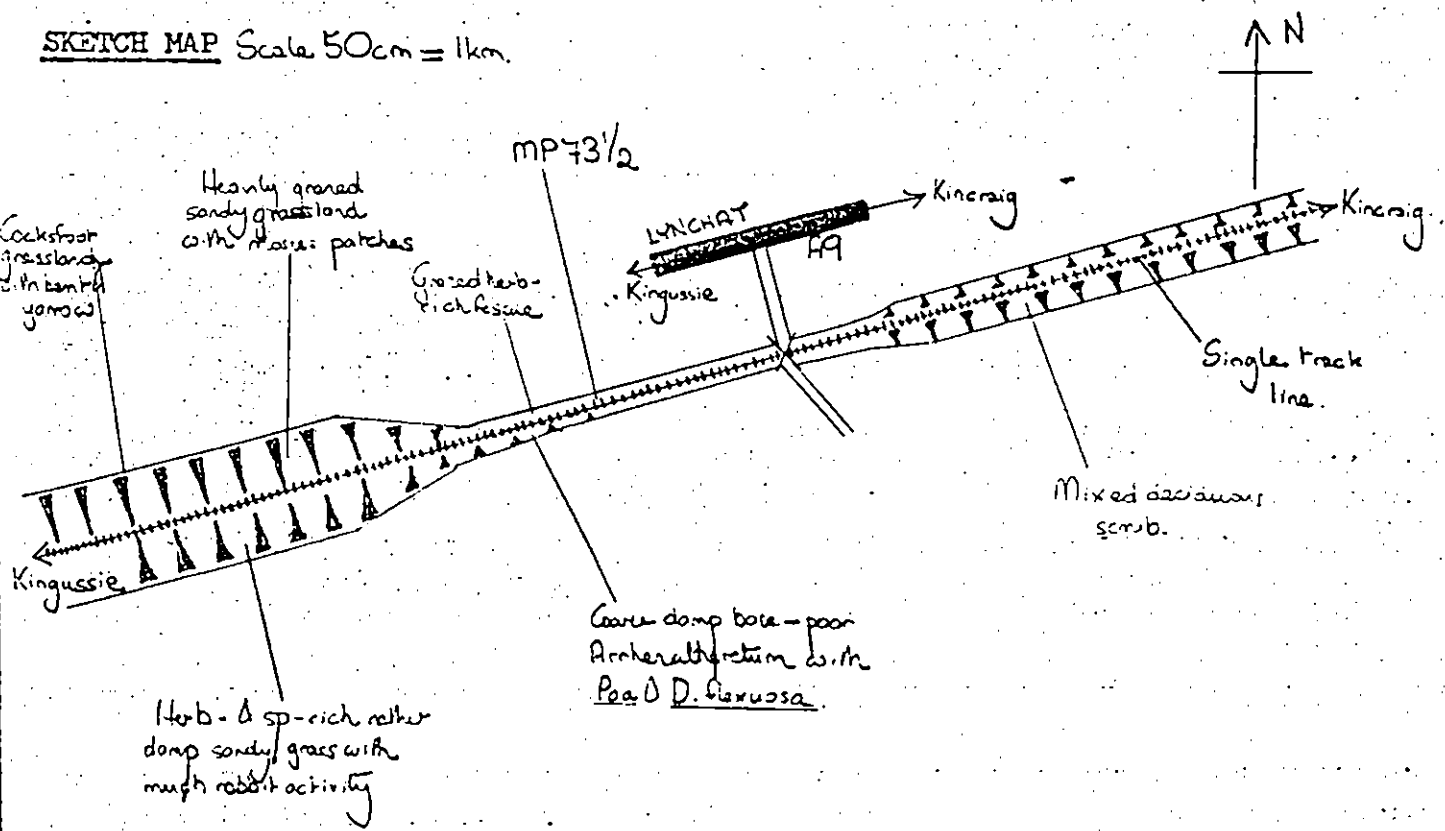
LOCATION STATUS

Accurate

Approximate



SKETCH MAP Scale 50cm = 1km.



SITE NAME Kingussie

CDB ref

(Section 5)
Internal ref R354Altitude 720' → 760'Local Geology Fluvio-glacial gravels to N., 1st River Terrace gravel to S.; Old Palaeozoic: undifferentiated.Neighbouring landuses Improved rough grasslandsSchists - Moine, psammitic.

DIRECTION FROM ACCESS

N E **W** S E W or BOTH

Dist from * access point	100 → 200m.	100 → 200m.	0 → 200m.	100 → 200m.	100 → 200m.			
Side of track °	N	N	S	S	S			
Landform x	Flat	Cut	Flat	Cut	Flat			
Aspect-degrees	—	165°	—	345°	—			
Width-metres	2m.	14m.	3m.	14m.	2m.			
Disturbance +	Spray	Grass	L. Tipp.	Grass	Grass.			

* If site is both sides of access point, precede distance by cardinal point

o. Indicate side of track by compass cardinal point

x. Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.+ Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

V. rich damp calcicheg turf with over 30 spp./km² quadrat.

General vegn characteristics and habitat description indicate side of track

The north side has a narrow flat by the line where tipping & spraying have opened up the vegetation to produce Dactylis grassland with Plantago. Near the AF where the bank is narrow grassed beside grassland with much Plantago & some Cirsium heterophyllum occurs in the same zone and Lotus, Galium verum grasses. Trichostema brachydonum grows on the cinder with more typical spp. [column 1].

The main cutting has open sandy grassland of fescue with Poa spp., bent and locally Linum catharticum. This is heavily grazed and locally quite species-rich with yarrow often common in the turf plus Plantago, Galium verum. Where the old gravel is exposed Rumex acetosella is abundant colouring the ground and Silene spp. grow in large hybrid swards. The sand is also often colonised by low usually monocarpous mosses: Hypnum, Polytrichum piliferum, Bryum caespiticium, Carotodon & Comptolopis flexuosus. Ragwort & dandelion, possibly sprayed, broom are significant in some parts of the slope and raspberry thickets are occasional [column 2]. The trackside on the S. bank has a coarse damp herb-rich Arrhenatherum grassland on a base-poor flat. It is, however, often species-rich with Dactylis flexuosa by the ear & Poa subcaerulea on old tipping. D. caespitosa, Reuma, Centaura nigra & low hybrid mosses are common too. [column 3]. The most interesting area is the broad cutting slope on the S. side where a very herb- & species-rich damp base-poor grassland has developed. The main cover grasses are Holcus lanatus, Festuca rubra, Poa subcaerulea, Agrostis tenuis, Anthoxanthum, a little Arrhenatherum & Poa pratensis. Fescue is generally the commonest plant. The significant forbs include Succisa, Geranium, Veronica, Viola riviniana, yarrow, Centaura nigra, Ranunculus repens and in the drier portions near the fence Galium spp. There are a number of moorland bushes & some pines etc occur by the fence to the west. Moss cover is good with Rhytidiadelphus, Lophocolea, Pseudocoleopodium, Mnium etc. Rabbit activity is there producing much bare sand & gravel. This good vegetation appears to continue well to the W [cols. 4/5].

PREFERRED MANAGEMENT

Continued grazing.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Strong rabbit activity. The broom bushes & many of the other woody plants near the line show what seem to be spray symptoms

21.9.80 form.

Continue overleaf

	Sc	NE	I	R354
SITE NAME Kingussie	RECORDER J.M. Harris	WEATHER 60% cloud & fairly bright Mild with moderate to fresh breeze.		LANDFORM ① ② ③ 4 5 6 7 Mostly a medium cutting with narrow flat above and below flats by MP & AP. East of AP & out of botanical BI site is embankment.
M.P. 73 1/2	TIPPING Generally none. Some on flats by line.		DATE 21.9.80	TIME 0930 → 1215
COUNTY Highland [Badenoch & Strathpeffer]	N.L.U. Rough & improved grassland.			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	30	700	East of AP—embankment with thick & varied scrub cover with abundant food, shelter & nesting opportunities for small birds—rowan & juniper notably v. common. West of the AP into the BI site proper is a cutting with sandy/gravelly soil colonised by species-rich grassland & with mostly dead broom scrub, resp. long and other scattered woody growth. Taken together a good bird site with plenty of variety and useful adjunct to the BSSI. For other groups not special.	Birds (small)	3	3	3
1	3	35	708		Birds (large)	2	2	2
1	6	35	708		Mamm. (small)	3	3	3
					Mamm. (large)	2	2	1
					Other verts.		3	3
					Lepidoptera	3		3
				Other insects	3	3	3	
				Other inverts.	2	2	2	

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Chaffinch	5550	3	Rabbit	4		
Jacksnaw	3710	2				
Duncock	4900	1				
Starling	5180	4				
Mistle Thrush	4320	2				
Meadow Pipit	4930	2				
Great Tit	3790	1				
Blackbird	4240	1				
Bullfinch	5490	1				
Siskin	5360	1				
Red Bunting	5740	1				
Blue Tit	3800	1				
Long-tailed Tit	3880	1				
Song Thrush	4310	1				
contd. over	✓		contd. over		contd. over	
Coronant	0350	1				
Buzzard	1150	1				
Skylark	3570	4				
Rock	3700	4				
Wren	3980	1				
contd. over			contd. over		contd. over	

SPECIES LIST OF ANIMALS contd.

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Gray Wagtail	5050	1				
Robin	4000	1				
Herring Gull	2560	2				
Kestrel	1480	1				

CASUALTY LIST OF ANIMALS RECORDED ON B.R.

			Rabbit	1		

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Lynswilg

Map Ref NH879100 Data bank ref

NCC Region North-east Scotland County Highland [Badenoch Strathpey] Internal ref R355

STATUS

Part of	Adjacent to	NNR	FNNR	LNR	SSSI
---------	-------------	-----	------	-----	------

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - Young scrub, upland grassland & heather moor.
)
Geological)

RAILWAY REGION Scottish DIVISION North-eastern

AREA Inverness } on boundary.
South }

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.C.E.)

Telephone number

Perth Stn.

TAYSIDE.

Tel. No. 0738 21211

Name of railway line Perth → Inverness

Access at Bridge over just off A9 at NH880101

Mileage post 81 1/2

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Re

VISITS

Date	By whom	Assessment/Action
<u>21st Sept. 1980</u>	<u>Dr. C.M. Gargant, J.M. Harris & Dr. J.M. Way.</u>	<u>A number of more local spp. in an interesting mixture of regenerating birch, heather & dalechuge grassland. This site is not outstanding especially in the context of Craigalloch and Loch A'Inn, the NNR & SSSI close by. However it is representative of the area and the bigger embankment is not a common vegetation type in Scotland.</u> <u>* Note and examine other larger features on the line i.e. Strathpey. [See R354 Kingussie].</u>

Continue over

FILE OPENED BY ITE Monks Wood

DATE 8th Jan. 1981

SITE NAME Lynswilg

CDB ref

Internal ref R355

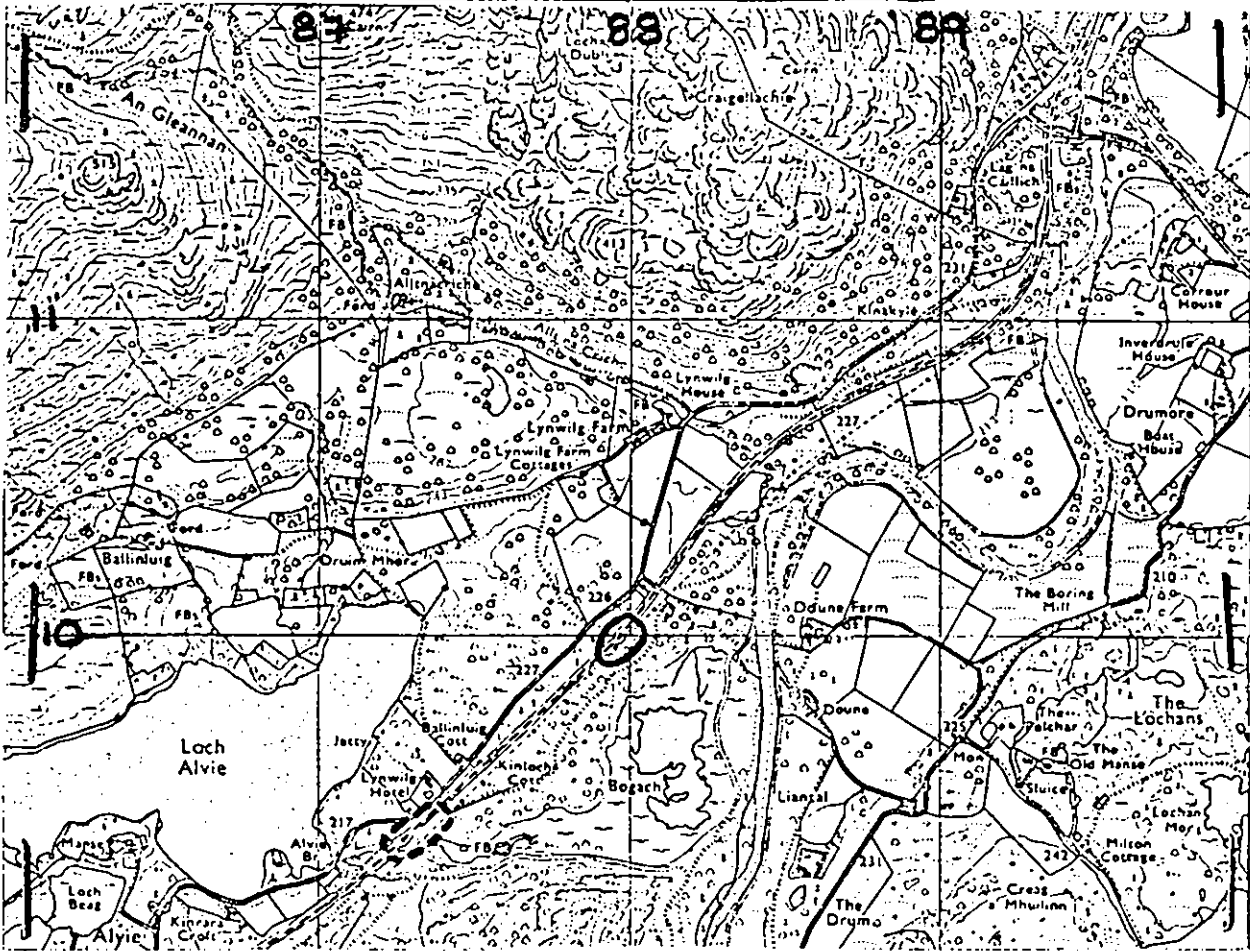
LOCATION MAP SCALE 1:25000

SHEET NO. NH80/90
NH81/91

MAP REF NH879100

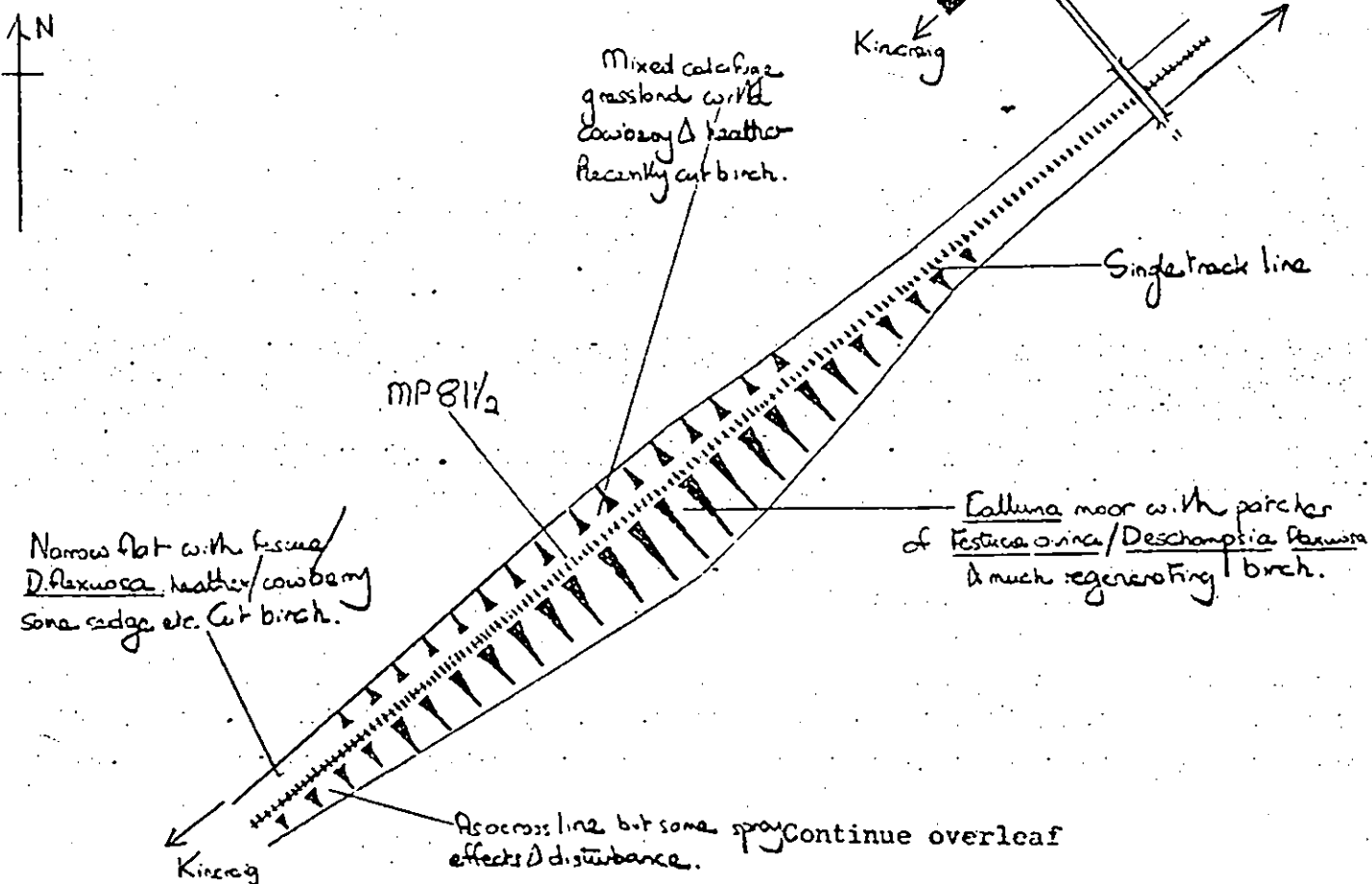
LOCATION STATUS

<u>Accurate</u>	Approximate
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○ = R355 ○ (dashed) = B238.

SKETCH MAP 50cm:1km Scale



SITE NAME Lyncwilg

CDB ref

Internal ref R355 (section 5)

Altitude 710 → 735

Local Geology Fluvio-glacial gravels to N., 1st River Terrace S.; over undiff. Moine Schists - gen. Pelitic

Neighbouring landuses Mixed woodland & moorland.

DIRECTION FROM ACCESS

N	E	W	S	E	W
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 or

BOTH

Dist from * access point	<u>150</u> → <u>300m</u>	<u>150</u> → <u>300m</u>					
Side of track °	<u>NW</u>	<u>SE</u>					
Landform x	<u>Emb → Flat</u>	<u>Emb.</u>					
Aspect-degrees	<u>320°</u>	<u>140°</u>					
Width-metres	<u>3</u> → <u>10m</u>	<u>3</u> → <u>18m</u>					
Disturbance +	<u>Clear</u>	<u>Clear</u>					

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x: Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST Most of the spp. rare in this area grow on the disturbed area right by the track: Festuca arundinacea, Verbascum, Lithospermum, Cordus etc.. Agropyron caninum is also not common. Trisetum, Pyrola & Juncus are locally spp. that are common but not nationally. Tetradlea is a local & attractive mass of restricted habitat.

General vegn characteristics and habitat description indicate side of track
 The site is fairly homogeneous consisting of a mixture of Calluna & calcifuge grasslands of Festuca ovina and Deschampsia flexuosa with a lot of recently cut birch scrub, some of which is regenerating. The on a medium embankment with local disturbances by the line. The north-west side is generally narrower and has Festuca ovina, Holcus lanatus & Agrostis triumfida by the line with patches of Calluna & Vaccinium vitis-idaea. A good variety of mosses grow with hypnoid spp., Physcia spp. & Bryum spp. especially important. Near the fence Deschampsia flexuosa is also present and the grassland is considerably more forb-rich with Viola riviniana and Geranium both abundant. Birch has been vigorously cut back & the brushwood piled up, some regeneration. The bank now is almost a flat in the SW, where the vegetation is similar but less species-rich. Holcus & Ber are rare, Carex nigra and Scirpus compressus are frequent and Trisetum occurs [column 1].

The south-east side has a good broad embankment by MPB1/2 and here the birch is considerably taller and more widespread. Asperula also occurs frequently and sallow is found. The ground cover is broadly akin to the NW, but with little or no Holcus, more extensive patches of heather & Galium saxatile + Veronica officinalis being the commoner forbs. The bryophyte cover is similar but a little less varied and Tetradlea occurs on some steep banks growing luxuriantly. Patches of bare soil & litter due to past clearance are frequent, moor also accounting local for nearly half the ground cover. Deschampsia flexuosa is the main grass. To the SW, on the narrow embankment the growth is much the same but more open & disturbed with a lot of Trisetum. By the line where spray and/or ballasting has opened up the vegetation, Limonium, Deschampsia, Agrostis & Arabis grow with Funaria & Bryum capillare. [column 2].

PREFERRED MANAGEMENT

Some mowing or grazing to encourage low grassland, discover heather. Also a little area left to develop tall birch/asper scrub probably on the broad SE emb..

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Abundant of evidence of recent scrubcutting - stumps, piled brushwood etc. Some spray & ballast effects by the line.

21.9.80 form.

Additional Species
CODE NAME

001	Acau	mult	0274	vir	185	ruf	369	omn	450	Pleu	scum	546	pac	681	Adel	deci	700	Leio	banc	883	lary
002	Acro	cond	0275	arg	186	sch	370	rud	461	subu	547	pusi	682	Anat	orca	701	bant	884	plat	884	plat
003	Ag	comp	0276	arg	187	squ	371	text	462	squ	548	recu	683	Anth	doni	702	murb	885	quad	885	quad
004	Ala	comp	0277	bico	188	subu	372	vir	463	sch	549	trif	684	Anth	huan	703	lame	886	radu	886	radu
005	Ala	comp	0278	caet	189	var	373	Font	464	scum	550	Sema	685	Anth	lax	704	error	887	pucl	887	pucl
006	Ala	comp	0279	cap	190	Dir	374	an	465	trif	551	nov	686	Anth	huan	705	lame	888	pucl	888	pucl
007	Ala	comp	0280	cap	191	Dir	375	an	466	trif	552	Spha	687	Anth	huan	706	lame	889	pucl	889	pucl
008	Ala	comp	0281	cap	192	Dir	376	an	467	trif	553	Spha	688	Anth	huan	707	lame	890	pucl	890	pucl
009	Ala	comp	0282	cap	193	Dir	377	an	468	trif	554	Spha	689	Anth	huan	708	lame	891	pucl	891	pucl
010	Ala	comp	0283	cap	194	Dir	378	an	469	trif	555	Spha	690	Anth	huan	709	lame	892	pucl	892	pucl
011	Ala	comp	0284	cap	195	Dir	379	an	470	trif	556	Spha	691	Anth	huan	710	lame	893	pucl	893	pucl
012	Ala	comp	0285	cap	196	Dir	380	an	471	trif	557	Spha	692	Anth	huan	711	lame	894	pucl	894	pucl
013	Ala	comp	0286	cap	197	Dir	381	an	472	trif	558	Spha	693	Anth	huan	712	lame	895	pucl	895	pucl
014	Ala	comp	0287	cap	198	Dir	382	an	473	trif	559	Spha	694	Anth	huan	713	lame	896	pucl	896	pucl
015	Ala	comp	0288	cap	199	Dir	383	an	474	trif	560	Spha	695	Anth	huan	714	lame	897	pucl	897	pucl
016	Ala	comp	0289	cap	200	Dir	384	an	475	trif	561	Spha	696	Anth	huan	715	lame	898	pucl	898	pucl
017	Ala	comp	0290	cap	201	Dir	385	an	476	trif	562	Spha	697	Anth	huan	716	lame	899	pucl	899	pucl
018	Ala	comp	0291	cap	202	Dir	386	an	477	trif	563	Spha	698	Anth	huan	717	lame	900	pucl	900	pucl
019	Ala	comp	0292	cap	203	Dir	387	an	478	trif	564	Spha	699	Anth	huan	718	lame	901	pucl	901	pucl
020	Ala	comp	0293	cap	204	Dir	388	an	479	trif	565	Spha	700	Anth	huan	719	lame	902	pucl	902	pucl
021	Ala	comp	0294	cap	205	Dir	389	an	480	trif	566	Spha	701	Anth	huan	720	lame	903	pucl	903	pucl
022	Ala	comp	0295	cap	206	Dir	390	an	481	trif	567	Spha	702	Anth	huan	721	lame	904	pucl	904	pucl
023	Ala	comp	0296	cap	207	Dir	391	an	482	trif	568	Spha	703	Anth	huan	722	lame	905	pucl	905	pucl
024	Ala	comp	0297	cap	208	Dir	392	an	483	trif	569	Spha	704	Anth	huan	723	lame	906	pucl	906	pucl
025	Ala	comp	0298	cap	209	Dir	393	an	484	trif	570	Spha	705	Anth	huan	724	lame	907	pucl	907	pucl
026	Ala	comp	0299	cap	210	Dir	394	an	485	trif	571	Spha	706	Anth	huan	725	lame	908	pucl	908	pucl
027	Ala	comp	0300	cap	211	Dir	395	an	486	trif	572	Spha	707	Anth	huan	726	lame	909	pucl	909	pucl
028	Ala	comp	0301	cap	212	Dir	396	an	487	trif	573	Spha	708	Anth	huan	727	lame	910	pucl	910	pucl
029	Ala	comp	0302	cap	213	Dir	397	an	488	trif	574	Spha	709	Anth	huan	728	lame	911	pucl	911	pucl
030	Ala	comp	0303	cap	214	Dir	398	an	489	trif	575	Spha	710	Anth	huan	729	lame	912	pucl	912	pucl
031	Ala	comp	0304	cap	215	Dir	399	an	490	trif	576	Spha	711	Anth	huan	730	lame	913	pucl	913	pucl
032	Ala	comp	0305	cap	216	Dir	400	an	491	trif	577	Spha	712	Anth	huan	731	lame	914	pucl	914	pucl
033	Ala	comp	0306	cap	217	Dir	401	an	492	trif	578	Spha	713	Anth	huan	732	lame	915	pucl	915	pucl
034	Ala	comp	0307	cap	218	Dir	402	an	493	trif	579	Spha	714	Anth	huan	733	lame	916	pucl	916	pucl
035	Ala	comp	0308	cap	219	Dir	403	an	494	trif	580	Spha	715	Anth	huan	734	lame	917	pucl	917	pucl
036	Ala	comp	0309	cap	220	Dir	404	an	495	trif	581	Spha	716	Anth	huan	735	lame	918	pucl	918	pucl
037	Ala	comp	0310	cap	221	Dir	405	an	496	trif	582	Spha	717	Anth	huan	736	lame	919	pucl	919	pucl
038	Ala	comp	0311	cap	222	Dir	406	an	497	trif	583	Spha	718	Anth	huan	737	lame	920	pucl	920	pucl
039	Ala	comp	0312	cap	223	Dir	407	an	498	trif	584	Spha	719	Anth	huan	738	lame	921	pucl	921	pucl
040	Ala	comp	0313	cap	224	Dir	408	an	499	trif	585	Spha	720	Anth	huan	739	lame	922	pucl	922	pucl
041	Ala	comp	0314	cap	225	Dir	409	an	500	trif	586	Spha	721	Anth	huan	740	lame	923	pucl	923	pucl
042	Ala	comp	0315	cap	226	Dir	410	an	501	trif	587	Spha	722	Anth	huan	741	lame	924	pucl	924	pucl
043	Ala	comp	0316	cap	227	Dir	411	an	502	trif	588	Spha	723	Anth	huan	742	lame	925	pucl	925	pucl
044	Ala	comp	0317	cap	228	Dir	412	an	503	trif	589	Spha	724	Anth	huan	743	lame	926	pucl	926	pucl
045	Ala	comp	0318	cap	229	Dir	413	an	504	trif	590	Spha	725	Anth	huan	744	lame	927	pucl	927	pucl
046	Ala	comp	0319	cap	230	Dir	414	an	505	trif	591	Spha	726	Anth	huan	745	lame	928	pucl	928	pucl
047	Ala	comp	0320	cap	231	Dir	415	an	506	trif	592	Spha	727	Anth	huan	746	lame	929	pucl	929	pucl
048	Ala	comp	0321	cap	232	Dir	416	an	507	trif	593	Spha	728	Anth	huan	747	lame	930	pucl	930	pucl
049	Ala	comp	0322	cap	233	Dir	417	an	508	trif	594	Spha	729	Anth	huan	748	lame	931	pucl	931	pucl
050	Ala	comp	0323	cap	234	Dir	418	an	509	trif	595	Spha	730	Anth	huan	749	lame	932	pucl	932	pucl
051	Ala	comp	0324	cap	235	Dir	419	an	510	trif	596	Spha	731	Anth	huan	750	lame	933	pucl	933	pucl
052	Ala	comp	0325	cap	236	Dir	420	an	511	trif	597	Spha	732	Anth	huan	751	lame	934	pucl	934	pucl
053	Ala	comp	0326	cap	237	Dir	421	an	512	trif	598	Spha	733	Anth	huan	752	lame	935	pucl	935	pucl
054	Ala	comp	0327	cap	238	Dir	422	an	513	trif	599	Spha	734	Anth	huan	753	lame	936	pucl	936	pucl
055	Ala	comp	0328	cap	239	Dir	423	an	514	trif	600	Spha	735	Anth	huan	754	lame	937	pucl	937	pucl
056	Ala	comp	0329	cap	240	Dir	424	an	515	trif	601	Spha	736	Anth	huan	755	lame	938	pucl	938	pucl
057	Ala	comp	0330	cap	241	Dir	425	an	516	trif	602	Spha	737	Anth	huan	756	lame	939	pucl	939	pucl
058	Ala	comp	0331	cap	242	Dir	426	an	517	trif	603	Spha	738	Anth	huan	757	lame	940	pucl	940	pucl
059	Ala	comp	0332	cap	243	Dir	427	an	518	trif	604	Spha	739	Anth	huan	758	lame	941	pucl	941	pucl
060	Ala	comp	0333	cap	244	Dir	428	an	519	trif	605	Spha	740	Anth	huan	759	lame	942	pucl	942	pucl
061	Ala	comp	0334	cap	245	Dir	429	an	520	trif	606	Spha	741	Anth	huan	760	lame	943	pucl	943	pucl
062	Ala	comp	0335	cap	246	Dir	430	an	521	trif	607	Spha	742	Anth	huan	761	lame	944	pucl	944	pucl
063	Ala	comp	0336	cap	247	Dir	431	an	522	trif	608	Spha	743	Anth	huan	762	lame	945	pucl	945	pucl
064	Ala	comp	0337	cap	248	Dir	432	an	523	trif	609	Spha	744	Anth	huan	763	lame	946	pucl	946	pucl
065	Ala	comp	0338	cap	249	Dir	433	an	524	trif	610	Spha	745	Anth	huan	764	lame	947	pucl	947	pucl
066	Ala	comp	0339	cap	250	Dir	434	an	525	trif	611	Spha	746	Anth	huan	765	lame	948	pucl	948	pucl
067	Ala	comp	0340	cap	251	Dir	435	an	526	trif	612	Spha	747	Anth	huan	766	lame	949	pucl	949	pucl
068	Ala	comp	0341	cap	252	Dir	436	an	527	trif	613	Spha	748	Anth	huan	767	lame	950	pucl	950	pucl
069	Ala	comp	0342	cap	253	Dir	437	an	528	trif	614	Spha	749	Anth	huan	768	lame	951	pucl	951	pucl
070	Ala	comp	0343	cap	254	Dir	438	an	529	trif	615	Spha	750	Anth	huan	769	lame	952	pucl	952	pucl
071	Ala	comp	0344	cap	255	Dir	439	an	530	trif	616	Spha	751	Anth	huan	770	lame	953	pucl	953	pucl
072	Ala	comp	0345	cap	256	Dir	440	an	531	trif	617	Spha	752	Anth	huan	771	lame	954	pucl	954	pucl
073	Ala	comp																			

ANIMAL RECORD	REGN. Sc	DIVN. NE	AREA I/s	SITE R355
SITE NAME Aviemore	RECORDER J.M. Harris	WEATHER 100% cloud cover. Dull & gradually becoming darker. Mild with slight to moderate breeze		LANDFORM ① 2 ③ 4 5 6 7 An embankment gradually flattening out to W. & with some minor associated flats
M.P. 8 1/2	TIPPING Light & colonised	DATE 21.9.80	TIME 1510 → 1715	
COUNTY Highland [Badenoch & Strathpey]	N.L.U. Heather moorland & mixed woodland			

HABITAT APPRAISAL

A	B	%	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	15	726	Fairly homogeneous: heather moorland vegetation with intermixed upland calciferous grassland. Birch scrub is frequent but it has generally been recently cut back. This greatly decreases the value of the site for birds and makes it little different to the adjacent moorland. Many of the birds noted in NL woodlands. Flora not varied. A potential list not long.	Birds (small)	1	2	2
1	4	55	726		Birds (large)	1	1	1
1	5	30	726		Mamm. (small)	2	2	2
					Mamm. (large)	1	1	1
					Other verts.	.	2	2
					Lepidoptera	2	.	2
					Other insects	2	2	2
					Other inverts.	2	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Woodpigeon	2990	1	Rabbit	1	Various: Microlepidoptera.	4
Rook	3700	2	Frog	1		
Turdus	3710	4				
Coal Tit	3820	1				
Song Thrush	4310	1				
Siskin	5360	2				
Chaffinch	5550	1				
contd. over			contd. over		contd. over	
Smallie	3610	1				
Great Tit	3790	1				
Blue Tit	3800	2				
Long-tailed Tit	3880	2				
Tree Creeper	3940	1				
Meadow Pipit	4930	1				
contd. over			contd. over		contd. over	

SPECIES LIST OF ANIMALS contd.

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.

CASUALTY LIST OF ANIMALS RECORDED ON B.R.

			<p>Sheep ↓</p>	<p>1</p>		

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME St. Colma's Well

Map Ref N0008423 Data bank ref

NCC Region South-east Scotland County Tayside [Perth & Kinross] Internal ref R360

STATUS

Part of	Adjacent to	NMR	PNNR	INR	SSSI
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
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Animals	Insects	Reptiles	Birds	Mammals
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Habitat) describe - Mixed deciduous woodland, scrub & disturbed ground
)
Geological)

RAILWAY REGION Scottish DIVISION North-eastern AREA South

Address of Area Civil Engrs Office Mr. J.D. Pitts (D.CE.)

Telephone number

Perth Str.
TAYSIDE

Tel. No. 0738 21211

Name of railway line Perth → Inverness

Access at lane off old B898 by new A9 at N0005426 Mileage post 17

NOTIFICATION

	With whom	By whom	Date	Ref
Site notified to BR				
Management agreement (see section 3 for detail)				

VISITS

Date	By whom	Assessment/Action
<u>24th Sept. 1980</u>	<u>Dr. C.M. Sargent, J.M. Harris & J.M. Way</u>	<u>An interesting wooded site in a mainly wooded valley. Of great value in the BR context where mature woodland in Central Scotland is very rare. Quite a rich flora and good position between Tay and new A9. * Note and examine other potentially valuable sites in the Tay Valley between Dunkeld & Ballinluig.</u>

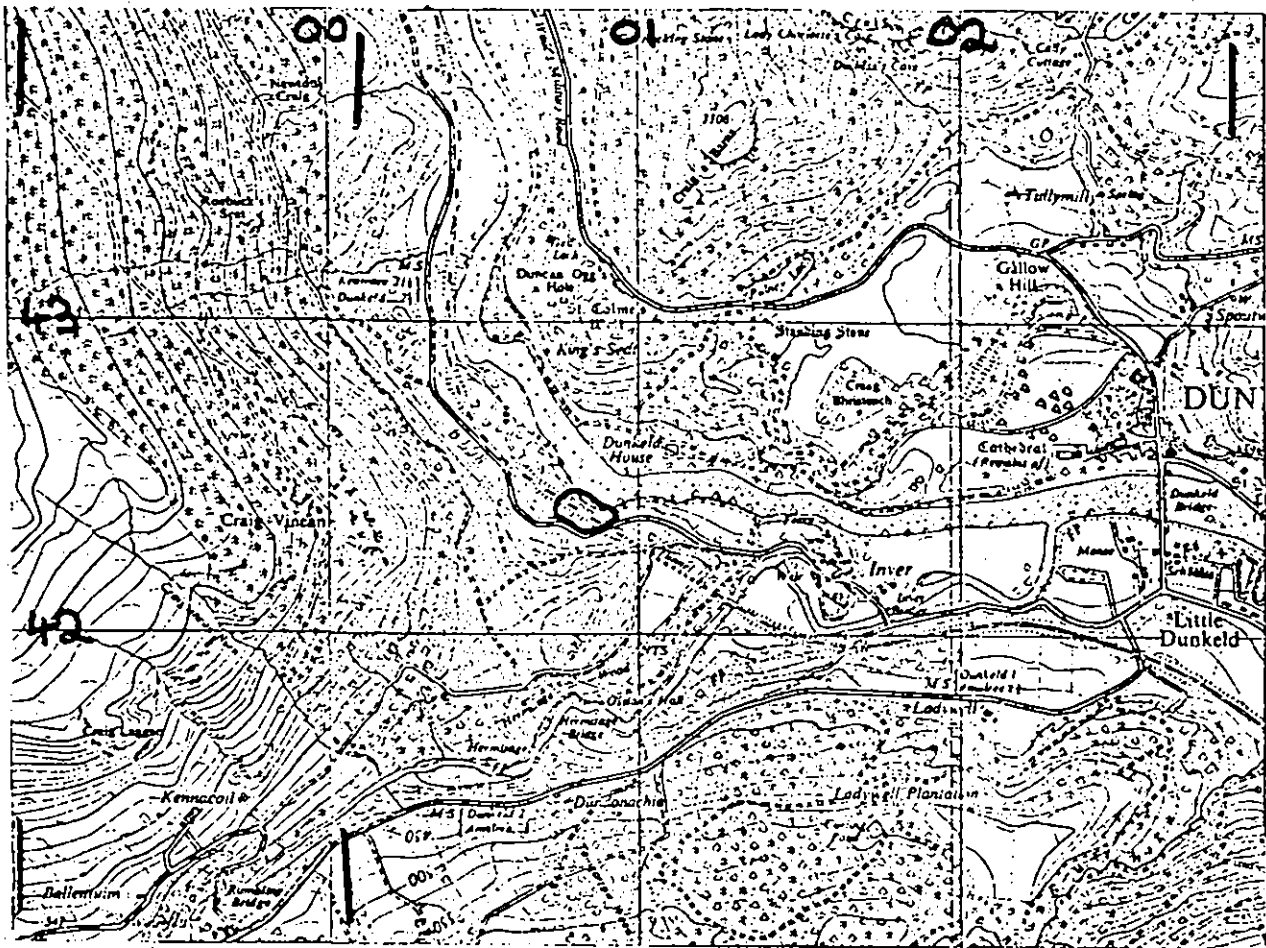
Continue over 1

FILE OPENED BY ITE Monks Wood

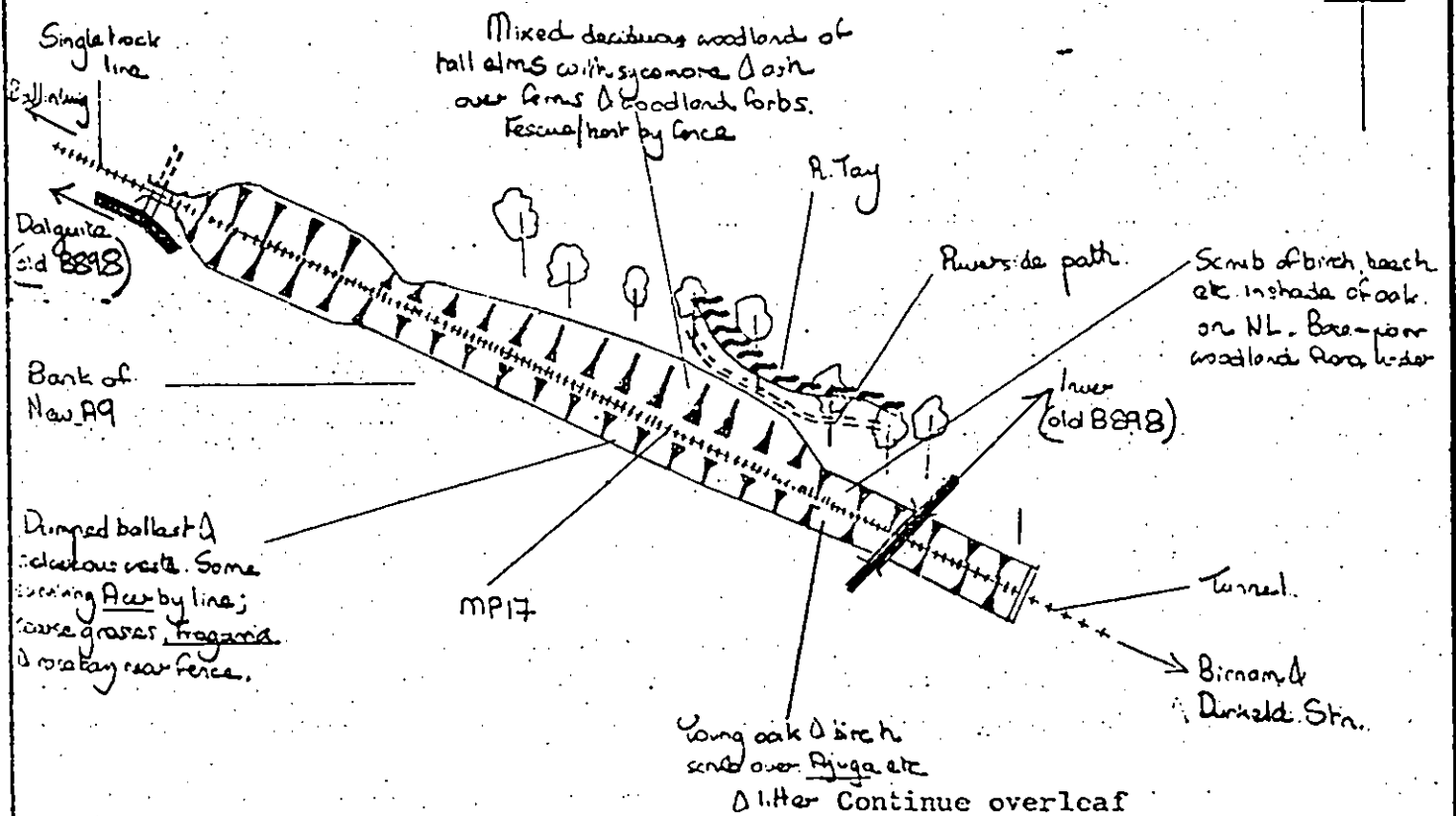
DATE 9th Jan. 1981

LOCATION STATUS

Accurate	Approximate
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SKETCH MAP 30cm = 1km Scale



Altitude 170' → 215' Local Geology Metamorphic: schistose grit & grey rocks

Neighbouring landuses Road, River Tay & deciduous woodland.

DIRECTION FROM ACCESS

N	E	W	S	E	W
---	---	---	----------	----------	---

 or

BOTH

Dist from * access point	<u>200 → 310m</u>	<u>310 → 350m</u>	<u>200 → 310m</u>	<u>310 → 350m</u>				
Side of track °	<u>SW</u>	<u>SW</u>	<u>NE</u>	<u>NE</u>				
Landform x	<u>Emb.</u>	<u>Cut.</u>	<u>Emb.</u>	<u>Cut.</u>				
Aspect-degrees	<u>205°</u>	<u>25°</u>	<u>25°</u>	<u>205°</u>				
Width-metres	<u>→ 10m.</u>	<u>→ 5m.</u>	<u>→ 20m.</u>	<u>→ 9m.</u>				
Disturbance +	<u>Clear/Tipp.</u>	<u>—</u>	<u>m. Tipp.</u>	<u>m. Ball.</u>				

- * If site is both sides of access point, precede distance by cardinal point.
- o. Indicate side of track by compass cardinal point
- x. Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Mature woodland on BA. *Plagiochila spinulosa* mainly a W. of Scotland sp.

General vern characteristics and habitat description indicate side of track
 The SW embankment is heavily disturbed by the dumping of cinder, ballast & calcareous waste. Some clearance has also occurred. The main cover is a mixture of *Fragaria*, *Artematherum*, *Dactylis*, rosebay meadow-sweet & fescue in a herb-rich and quite species-rich patchy tall-herb grassland. The upper slopes are almost completely covered in tipplings and with only untruncated coppiced *Acer* surviving with the few new ruderals colonising. The moss cover is minimal. [column 1]. The cutting slope to the SE has young developing oak & birch scrub to 2.5m. with a ground cover of little ferns. Patches of fescue are also present & a little raspberry. Moss cover is quite high but confined to *Leptocolea*, *Mnium* & *Brachythecium*. [column 2]. The opposite cutting slope (NE) is broader and has a ridge of dumped ballast along the top of the slope. Birch/hazel scrub is developing under the shade of oak, trees rooted on NL. The tree shade does not extend to the track side & here, under the scrub is bare cinder with sparse grass & moss cover. Where the oaks are above, the scrub has a ground layer of *Festuca ovina* & *Agrostis tenuis* with *Lonicera*, bracken & *Stellaria holostea*. [column 4]. On the broad embankment above the River Tay is woodland of tall elm trees with some sycamore. There is no scrub layer to speak of and the field layer is quite species-rich with ferns, *Mercurialis*, *Poa trivialis* & locally abundant *Cirsium*, *Oxalis* and ash are locally common as is *Geranium robertianum* but the moss layer is poor and the chief ground cover is leaf litter. [column 3].

PREFERRED MANAGEMENT

None.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Some coppicing of *Acer* by MP. Much ballast dumping etc. Spray symptoms quite marked by here

SITE NAME

St. Colma's Well

CDB ref

Internal ref R260

BRYOPHYTES

DATE 24th Sept. 1980

RECORDER D.C.M. Sargent

Additional Species CODE	Additional Species NAME
883	law
884	plan
885	plat
886	thuj
887	quadr
888	quadr
889	quadr
890	quadr
891	quadr
892	quadr
893	quadr
894	quadr
895	quadr
896	quadr
897	quadr
898	quadr
899	quadr
900	quadr
901	quadr
902	quadr
903	quadr
904	quadr
905	quadr
906	quadr
907	quadr
908	quadr
909	quadr
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913	quadr
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947	quadr
948	quadr
949	quadr
950	quadr
951	quadr
952	quadr
953	quadr
954	quadr
955	quadr
956	quadr
957	quadr
958	quadr
959	quadr
960	quadr

ANIMAL RECORD	REGN. Sc	DIVN. NE	AREA S	SITE R360
SITE NAME St. Colms's Well	RECORDER J.M. Harris	WEATHER 60% cloud, sunny & warm with a slight breeze		LANDFORM 1 2 3 4 5 6 7 Mainly a medium to large embankment between new R90 River Tay. To SE. toward tunnel enters a cutting.
M.P. 17	TIPPING locally leamy & still in process of colonis.	DATE 24.9.80	TIME 1415 → 1645	
COUNTY Tayside [Perth]	N.L.U. Broadleaved woodland Road/River. Some Conifer			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	0	50	700	Good variety of woody growth over much of site with tall etc woodland, oak sycamore scrub etc. There is a well-developed ground layer and a lot of fern & bracken. Some heath & moorland spp. occur as well as rough grassland & 'scaes' of ballast etc where dumping of cinder etc has obscured original vegetation. Taken on its own a good site with food, shelter, nesting sites etc for many spp.; but the value of the wooded Tay Valley rather outweighs it.	Birds (small)	2	3	3
0	5	30	726		Birds (large)	2	1	2
1	0	10	700		Mamm. (small)	2	2	2
1	6	5	703		Mamm. (large)	2	1	2
4	8	5	703		Other verts.	.	2	2
					Lepidoptera	2	.	2
					Other insects	3	3	3
					Other inverts.	2	2	2

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Woodpigeon	2990	1			Red Admiral Butterfly Various: Diptera	1
Blue Tit	3800	1				
Tay	3750	1				
Goldcrest	4820	1				
Chaffinch	5550	1				
contd. over			contd. over		contd. over	
Jackdaw	3710	1	Red Squirrel	1		
Great Tit	3790	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Pont-y-pant

Map Ref SH756537 Data bank ref

NCC Region North Wales

County Gwynedd.

Internal ref B144

STATUS

Part of	Adjacent to	NMR	PNNR	INR	SSSI
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Chosen as series of rock outcrops & emb. at moderate altitude.

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	<u>Rare</u>	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - Rock outcrops; boulder scree embankments. Woodland
)
Geological) As scrub.

RAILWAY REGION LMR

DIVISION Crewe

AREA -

Address of Area Civil Engrs Office W.G. Cutting (D.C.E.)
Telephone number Rail House

Gresty Rd.
CREWE

Tel. No. 0270 55123 extn. 2914

Name of railway line Trawsfynydd branch (from Llandudno via Betws-y-Coed)

Access at Lane bridge under at SH757537

Mileage post 19

NOTIFICATION

Site notified to BR

Management agreement
 (see section 3 for detail)

With whom	By whom	Date	Re

VISITS

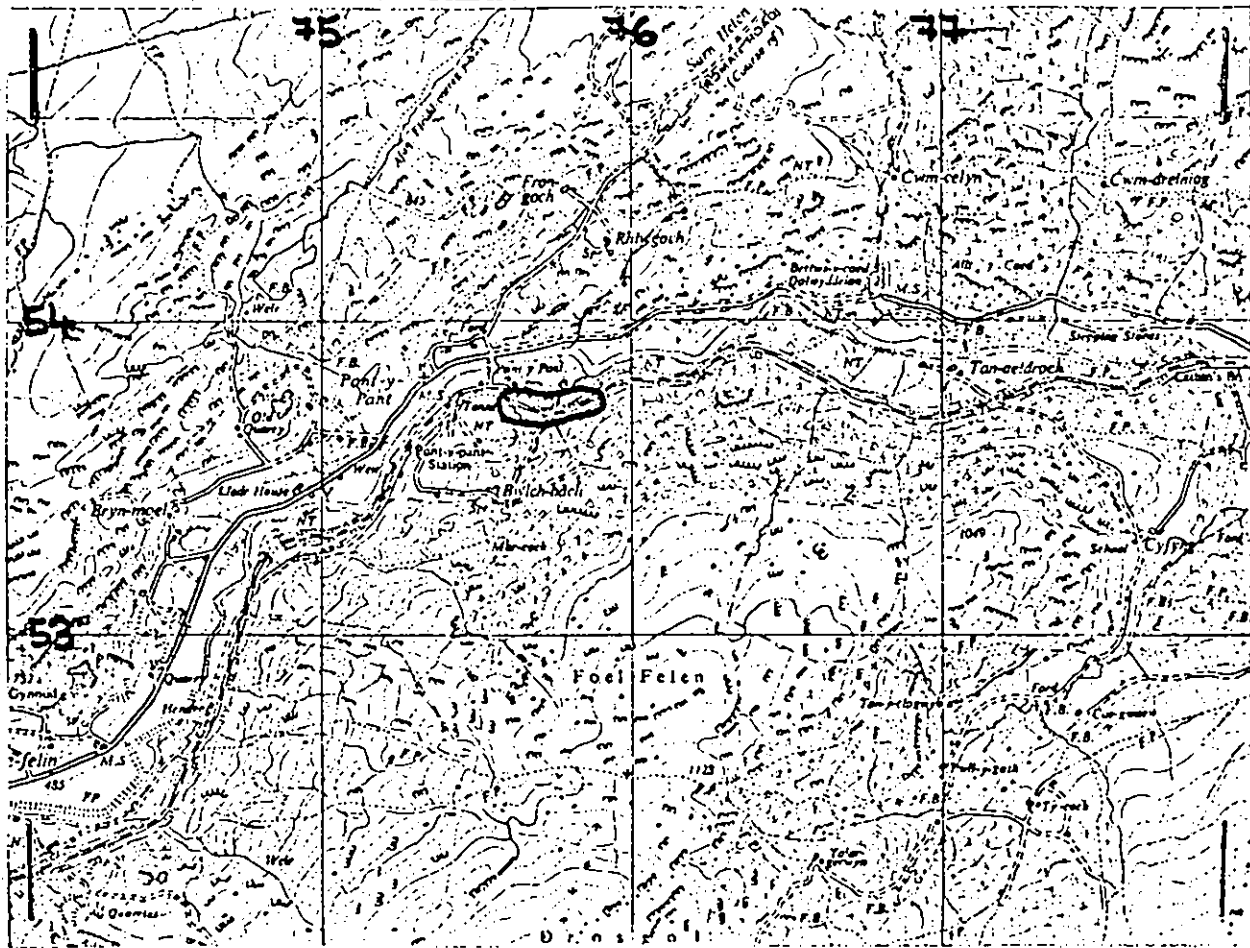
Date	By whom	Assessment/Action
<u>23rd June 1979</u>	<u>Dr. C.M. Sargent</u> <u>A.B.M. Carleton</u>	<u>A good site for all groups; with a number of local or rare spp. The diversity of habitat and richness make this outstanding in the B.P. context though it is rather less special when compared to the neighbouring land. However large enough and rich enough to be valuable in its own right.</u> <u>* Note: I suggest further surveys on the line between Betws and Frastling. Assessment in the local context is necessary and some conservation action is desirable.</u> <u>A quiet year, careful scheduling or management for nature could not cause problems. More biology.</u> Continue over

FILE OPENED BY ITE Monks Wood

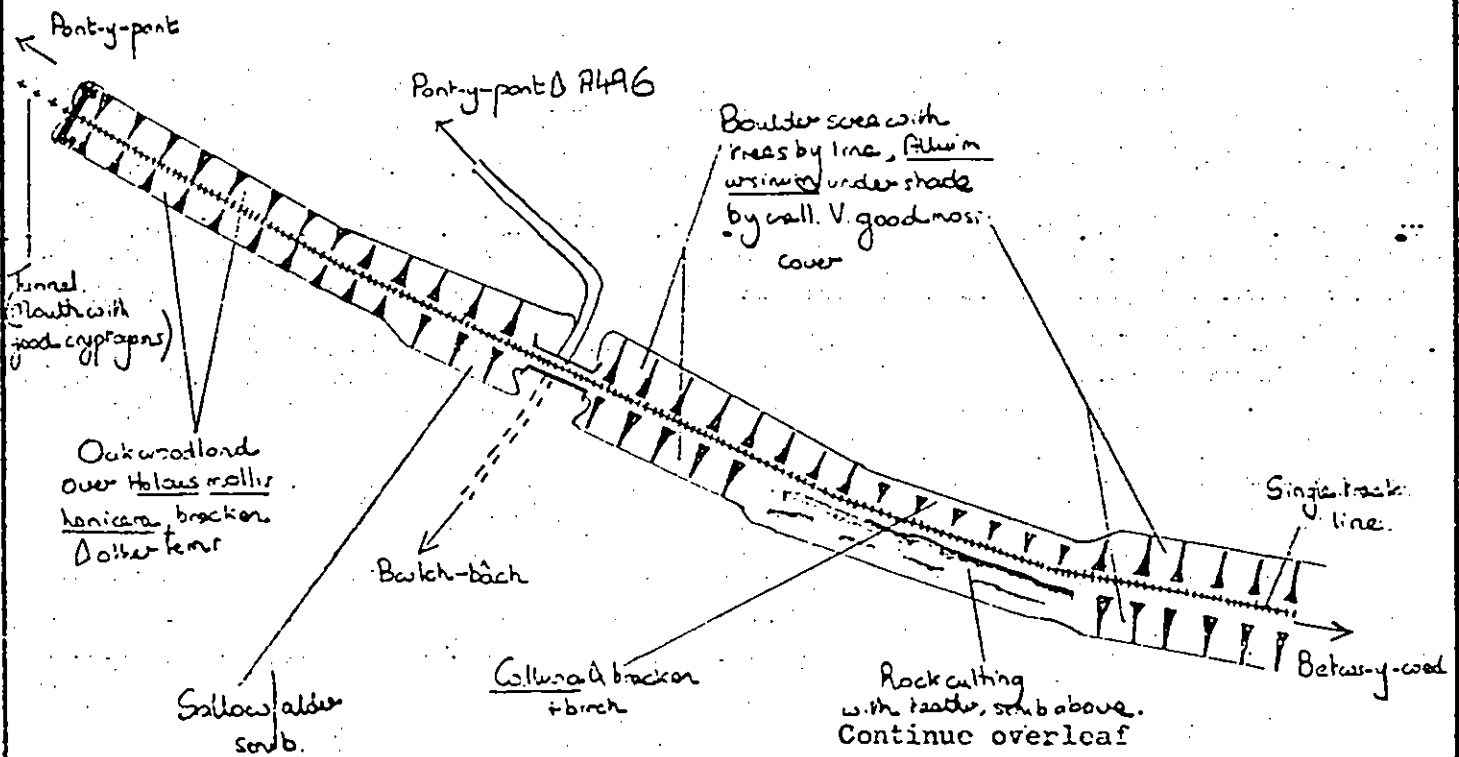
DATE 9th Jan. 1981

LOCATION STATUS

<u>Accurate</u>	Approximate
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SKETCH MAP Scale 40cm = 1km.



SITE NAME Pont-y-pant

CDB ref

(Section 3)
Internal ref B144

Altitude 380' → 480' Local Geology Ordovician: Caradoc & Bala Series.

Neighbouring landuses Deciduous woodland.

DIRECTION FROM ACCESS

N	E	W	S	E	W
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 or BOTH

Dist from * access point	W.175m	W.75 → 175m	W.75 → E.100m	E.100 → 175m	E.175m → 250m	W.175m → 250m	W.250 → E.75m	E.75 → 175m
Side of track °	Ouv	N	N	N	N	S	S	S
Landform x	Tunnel	Cut.	Emb.	Cut	Emb.	Cut	Emb	SA
Aspect-degrees	—	210°	20°	200°	10°	30°	200°	20°
Width-metres	20m	→ 15m	→ 40m	→ 20m	→ 30m	→ 20m	→ 20m	25
Disturbance +	—	—	Scree	—	Scree	—	Scree	—

- * If site is both sides of access point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Several typical Welsh spp. including the rarities Maconopsis & Hieracium orinale, and the more frequent Jasione, Sedum anglicum, Umbilicus and Conyza. Tamus is rare in Central Wales. Among the less common Bryophytes Hookeria, Calyptogone, Trichomanes, and Saccogyna deserve mention.

General vegn characteristics and habitat description indicate side of track
Single track line along valley side from tunnel east for over 1/2 mile. The tunnel mouth itself has good mosses & ferns on the browwork and a short area of rock cutting with Dryopteris spp. common, plus a little scrub colonisation from above [column 1]. The gentle cutting east from here is mostly oak/ash young woodland though this thin out / has been cut back near the line. The ground cover is a typical mixture of bracken, Dryopteris spp., Lonicera, Eryngium, Holcus mollis etc with a little bramble and a good population of Maconopsis. [columns 2 & 6]. As the line approaches the AP, the land drops away to give a large embankment, much of which is covered in block scree. This has been partially colonised by birch and birch and the moss cover on the boulders is excellent with Racomitrium spp. common & a little Sphagnum on wet hollows. This latter becomes commoner under willow & alder at the foot of the embankment. Allium ursinum forms carpets over a Chrysosplenium layer and Hookeria is all common. Above the boulder scree is a line of ash scrub with ferns and birch, Dryopteris probably the main cover plant. A somewhat similar vegetation type occurs at the extreme east end of the site but here scrub cutting has been more efficient and the vegetation is much more open. [columns 3, 5 & 7]. The cutting east of the AP is fairly low & gentle on the north side with Calluna dominant and a lot of invading bracken ash and birch. [column 4]. Finally the high rock cutting on the south side has large expanses of bare siliceous rocks. These have been colonised in the crevices by heather, fescue and birch, but most typically by Jasione, Sedum anglicum, Umbilicus with large populations of Racomitrium. The more gently sloping ground above has birch and ash scrub. Hieracium orinale is quite widespread in rocky places [column 5]. The site survey finished at a gravel box by the line where Conyza claviculata was established.

PREFERRED MANAGEMENT

None.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Hand-cutting near the line has helped establish over age ash scrub. More widespread clearance in E. Disturbance due to scree.

23.6.79 Jom.

Continue overleaf

SITE NAME

Pont-y-pant

CDB ref

Internal ref B144

BRYOPHYTES

DATE 23rd June 1979

RECORDER Dr. C.M. Sargent

Additional Species NAME	CODE
11 Acro multi	0074
12 Acro comp	019
13 Acro cup	039
14 Acro cup	059
15 Acro cup	079
16 Acro cup	099
17 Acro cup	119
18 Acro cup	139
19 Acro cup	159
20 Acro cup	179
21 Acro cup	199
22 Acro cup	219
23 Acro cup	239
24 Acro cup	259
25 Acro cup	279
26 Acro cup	299
27 Acro cup	319
28 Acro cup	339
29 Acro cup	359
30 Acro cup	379
31 Acro cup	399
32 Acro cup	419
33 Acro cup	439
34 Acro cup	459
35 Acro cup	479
36 Acro cup	499
37 Acro cup	519
38 Acro cup	539
39 Acro cup	559
40 Acro cup	579
41 Acro cup	599
42 Acro cup	619
43 Acro cup	639
44 Acro cup	659
45 Acro cup	679
46 Acro cup	699
47 Acro cup	719
48 Acro cup	739
49 Acro cup	759
50 Acro cup	779
51 Acro cup	799
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54 Acro cup	859
55 Acro cup	879
56 Acro cup	899
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58 Acro cup	939
59 Acro cup	959
60 Acro cup	979
61 Acro cup	999
62 Acro cup	1019
63 Acro cup	1039
64 Acro cup	1059
65 Acro cup	1079
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ANIMAL RECORD	REGN. LMA	DIVN. CREWE	AREA	SITE B144
SITE NAME Pont-y-pant	RECORDER B.M. Carleton	WEATHER Dull with constant drizzle Occasional heavy showers. Little sun, slight breeze.		LANDFORM 1 2 3 4 5 6 7 Mainly steep boulder-strewn embankment but with rock cutting near the tunnel to the W. & gentler slopes with woodland.
M.P. 19	TIPPING Some boulder scree but no artificial	DATE 23.6.79	TIME 1030 → 1100	
COUNTY Gwynedd	N.L.U. Deciduous Woodland			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	0	3	700	A large and varied site with the major veg. cover being broadleaved woodland. This has a rich association of typical herbs & bryophytes, as well as a good scrub layer. The block scree offers some cover provided an uncommon habitat. The rock cutting has an essentially heathland flora and adds a further group of habitats. Though in a valley with much semi-natural vegetation, this is still a good site in itself. The railway engineering introducing a degree of diversity into the mainly wooded area.	Birds (small)	3	3	3
0	5	5	700		Birds (large)	3	3	3
1	0	5	700		Mamm. (small)	3	3	3
1	4	10	700		Mamm. (large)	3	2	2
1	6	5	703		Other verts.	.	3	3
4	3	15	700		Lepidoptera	3	.	3
4	8	25	703		Other insects	3	3	3
					Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Woodpigeon	2990	1			Limax sp.	1
Great Spotted Woodp.	3410	1			Tipulid fly	2
Swift	3270	3			Bombus sp.	2
Carrier Crow	3681	2			Various:	
Robin	4000	1			Odonata	1
Blackbird	4240	1			Oligochaeta	1
Willow Warbler	4720	2				
Chiffchaff	4730	1				
Chaffinch	5550	2				
contd. over			contd. over		contd. over	
Cuckoo	3040	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME **Talwrddig**

Map Ref **SN930998** Data bank ref

NCC Region **Dyfed - Powys**

County **Powys**

Internal ref **B145**

STATUS

Part of	Adjacent to	NNR	PNNR	LNR	SSSI
---------	-------------	-----	------	-----	------

County Flora site. State ref -

Local Information site. State source - **A.G. Woods, A.R.O., N.C.C. - Site for Silene maritima**

Discovery etc. (Describe) -

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - **Streams, rock cutting disused, varied grassland & heath plus scrub woodland development locally.**
)
Geological)

RAILWAY REGION **LMR**

DIVISION **Crewe**

AREA -

Address of Area Civil Engrs Office **W.G. Cutting (D.C.E.)**

Telephone number
**Rail House
 Gresty Rd.
 CREWE
 Tel. No. 0270 55123 extn. 2914**

Name of railway line **Shrewsbury → Aberystwyth**

Access at **Talwrddig signal box at SN931993**

Mileage post **6 1/2 → 3/4**

NOTIFICATION

Site notified to BR

Management agreement (see section 3 for detail)

With whom	By whom	Date	Ref

VISITS

Date	By whom	Assessment/Action
26th June 1979	Dr. C.M. Sargent, B.M. Carleton & J. Walker.	A notably rich and diverse site with 125 spp. of vascular plants present - exceptional for a semi-natural site on mainly acid soil. There are large populations of several local spp. and the site is big enough to have some conservation value of its own. Though nothing here is really outstanding, the wealth & variety in a post-rail valley make it a place worth noting.
9th July 1979	Dr. C.M. Sargent, B.M. Carleton & J.O. Mountford	* Note and contact B.R. with a view to conservation measures. A more widespread survey of large cuttings between Machynlleth & Newton is warranted. A gap was left here in the random survey which seems to be possibly an important one. No sign of <u>Silene maritima</u> on the site.

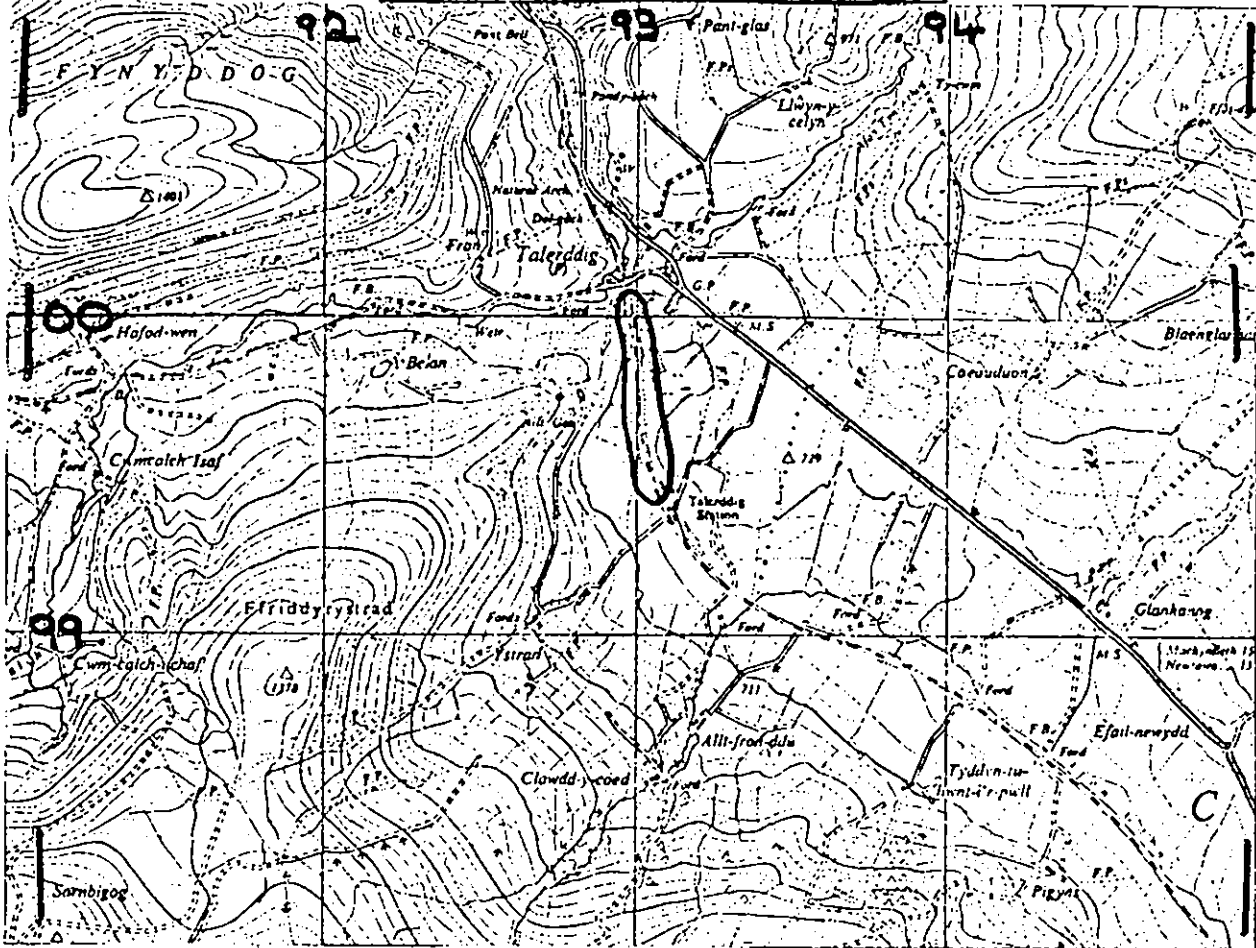
Continue over 1

FILE OPENED BY **ITE Marks Wood**

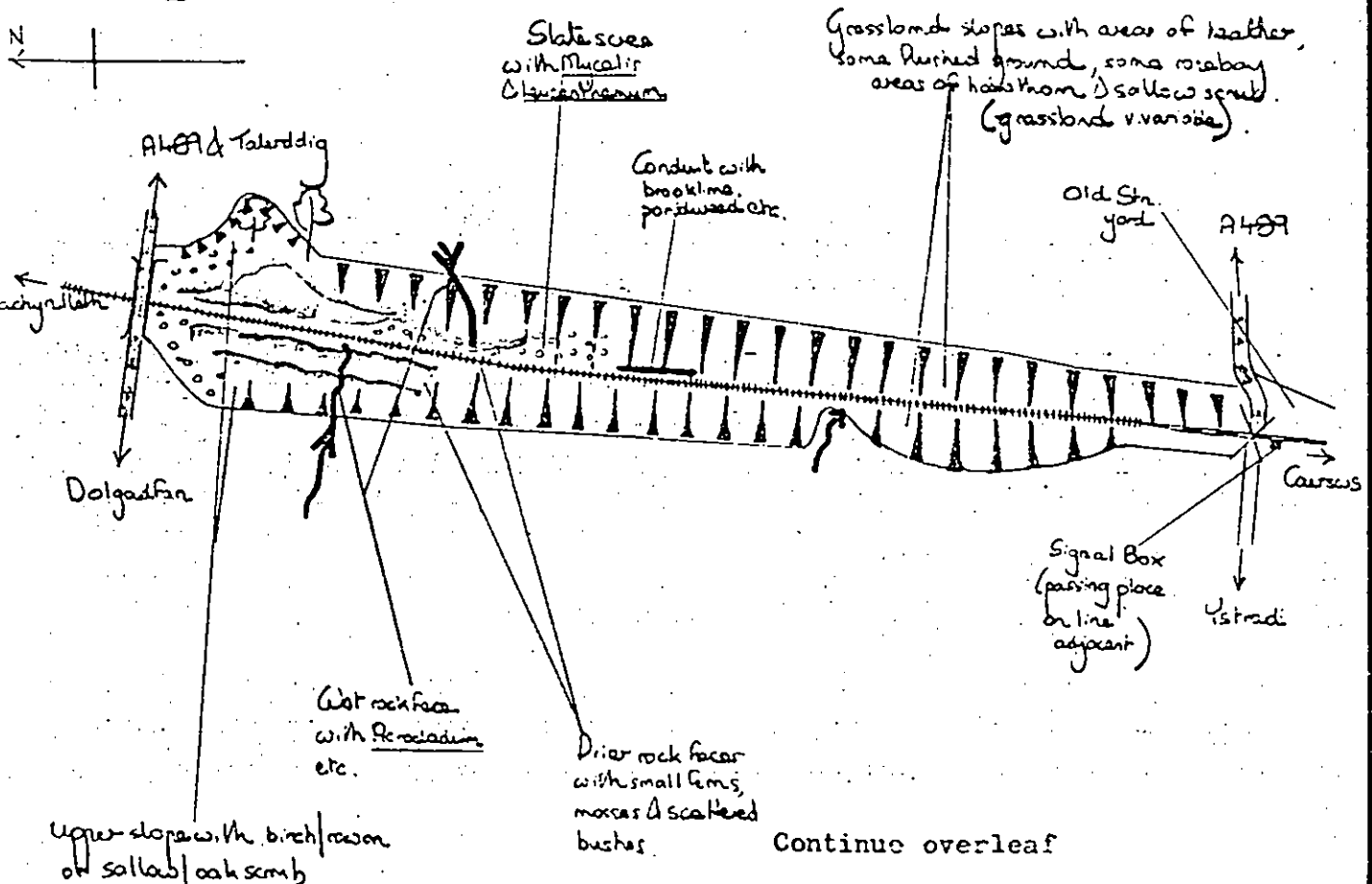
DATE **12th Jan 1981**

LOCATION STATUS

<u>Accurate</u>	Approximate
-----------------	-------------



SKETCH MAP Scale 20cm = 1km.



Altitude 670' → 760'

Local Geology Lower Silurian: Taronnon & Llanoverly Series

Neighbouring Landuses Mainly rough pasture.

DIRECTION FROM ACCESS

<input checked="" type="radio"/> N	<input type="radio"/> E	<input type="radio"/> W	<input type="radio"/> S	<input type="radio"/> E	<input type="radio"/> W
------------------------------------	-------------------------	-------------------------	-------------------------	-------------------------	-------------------------

 or

<input type="checkbox"/> BOTH

Dist from * access point	0 →	0 →	600 →	450 →	500 →	450 →	300 --- →
	600m	450m	750m	650m	700m	750m	600m
Side of track °	W	E	W	E	E	both	both
Landform x	C.Cut.	C.Cut.	S.Cut	Screa	S.Cut	Cut	Stream etc
Aspect-degrees	95°	275°	100°	280°	280°	100/280°	—
Width-metres	→30m.	→40m.	→25m.	→20m.	→20m.	2xc.15m	2x30m
Disturbance +	Fire	Fire	—	Unstable	—	—	Flow

- * If site is both sides of access point, precede distance by cardinal point.
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

long species list, many of which are local in upland or W. Wales
Centaurea scabiosa is especially rare and Lathyrus sylvestris is mainly coastal. Chaerophyllum is a B.A. plant. Festuca, Myrica, Lepidium etc are typical of the region. Urtica in good numbers is of note. Hookeria is probably the best moss, and Garden Warbler is a rare local bird.

General vegn characteristics and habitat description indicate side of track

The bulk of the site is fairly gentle and wide grass cutting found from the station north for over 1/2 mile. The grassland is very variable. Molinium occurs locally on drier slopes with tormentil, or in a drier mixed type with Festuca ovina & Galium saxatile. Drier sites have the fescue with Festuca & Rumex acetosella. Where some enrichment (due to ballast?) has occurred red fescue grows with Arrhenatherum, hogweed & yarrow. Holcus mollis swards grow on leached flatter sites. Tall reed-bay stands where burning has happened in the past. Good bore-enriched turf occurs very locally near MP61 1/2 where red fescue & Holcus lanatus are accompanied by Carex flacca, Bryce and Fragaria. Healthy patches are present, Calluna dominant plus Vaccinium & Pteridium. Where flushing happens in the heaths Siglingia is common with Listera. Significant areas of oak, birch & sallow scrub are found further away from the line all along this area. [columns 1 & 2]. The rock cutting is shorter and generally sheathed with leucanthemum on the ledges, and an impoverished version of the vegetation above & to either side. However Umbilicus, Polygonum, Asplenium, annuals & some larger ferns do grow. [columns 3 & 5]. The cliffs begin fairly abruptly, but especially on the E. side there are extensive areas of slate & shale screes with abundant Myrica and leucanthemum. This flora also occurs near the N. end of the site. [column 4]. On the gentler slopes and ridges above the rock faces, and especially on the broad banks beyond MP61 3/4 scrub & young woodland have developed, birch & alder on shallower rocky soils and oak/sallow nearer the track. The ground cover is a typical ground cover of ferns, bramble, Holcus & lonicera. [column 6]. Where the stream comes down the rock face is a rich Bryophyte curtain of Acrocladium, Cercocephalum & Hookeria plus Fissidens. There is stagnant water in the cress by a conduit with watercress, Potamogeton, Glycera, Veronica beccabunga, plus Ranunculus aquatilis. This conduit pipe drains the cutting and is encrusted with Brachythetium rivulare whilst the splash zone has Cercocephalum & Fellia. [column 7]. Chaerophyllum & Rumex grow on the dry cress.

PREFERRED MANAGEMENT

Some mowing of coarser grassland or grazing.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Disturbance due to water-flow & cress-fall. Some of the heath & scrub in the S.n. part has been recently cut-back & burnt.

26.6.79 Jom.

Additional Species NAME

CODE

001	Acro cord	0374	virf	185	269	363	460	546	681	790	883	lavr
002	Acro cord	0375	steg	186	272	364	461	547	682	791	884	plan
003	Acro cord	0376	steg	187	273	365	462	548	683	792	885	plat
004	Acro cord	0377	steg	188	274	366	463	549	684	793	886	plab
005	Acro cord	0378	steg	189	275	367	464	550	685	794	887	quid
006	Acro cord	0379	steg	190	276	368	465	551	686	795	888	quid
007	Acro cord	0380	steg	191	277	369	466	552	687	796	889	quid
008	Acro cord	0381	steg	192	278	370	467	553	688	797	890	quid
009	Acro cord	0382	steg	193	279	371	468	554	689	798	891	quid
010	Acro cord	0383	steg	194	280	372	469	555	690	799	892	quid
011	Acro cord	0384	steg	195	281	373	470	556	691	800	893	quid
012	Acro cord	0385	steg	196	282	374	471	557	692	801	894	quid
013	Acro cord	0386	steg	197	283	375	472	558	693	802	895	quid
014	Acro cord	0387	steg	198	284	376	473	559	694	803	896	quid
015	Acro cord	0388	steg	199	285	377	474	560	695	804	897	quid
016	Acro cord	0389	steg	200	286	378	475	561	696	805	898	quid
017	Acro cord	0390	steg	201	287	379	476	562	697	806	899	quid
018	Acro cord	0391	steg	202	288	380	477	563	698	807	900	quid
019	Acro cord	0392	steg	203	289	381	478	564	699	808	901	quid
020	Acro cord	0393	steg	204	290	382	479	565	700	809	902	quid
021	Acro cord	0394	steg	205	291	383	480	566	701	810	903	quid
022	Acro cord	0395	steg	206	292	384	481	567	702	811	904	quid
023	Acro cord	0396	steg	207	293	385	482	568	703	812	905	quid
024	Acro cord	0397	steg	208	294	386	483	569	704	813	906	quid
025	Acro cord	0398	steg	209	295	387	484	570	705	814	907	quid
026	Acro cord	0399	steg	210	296	388	485	571	706	815	908	quid
027	Acro cord	0400	steg	211	297	389	486	572	707	816	909	quid
028	Acro cord	0401	steg	212	298	390	487	573	708	817	910	quid
029	Acro cord	0402	steg	213	299	391	488	574	709	818	911	quid
030	Acro cord	0403	steg	214	300	392	489	575	710	819	912	quid
031	Acro cord	0404	steg	215	301	393	490	576	711	820	913	quid
032	Acro cord	0405	steg	216	302	394	491	577	712	821	914	quid
033	Acro cord	0406	steg	217	303	395	492	578	713	822	915	quid
034	Acro cord	0407	steg	218	304	396	493	579	714	823	916	quid
035	Acro cord	0408	steg	219	305	397	494	580	715	824	917	quid
036	Acro cord	0409	steg	220	306	398	495	581	716	825	918	quid
037	Acro cord	0410	steg	221	307	399	496	582	717	826	919	quid
038	Acro cord	0411	steg	222	308	400	497	583	718	827	920	quid
039	Acro cord	0412	steg	223	309	401	498	584	719	828	921	quid
040	Acro cord	0413	steg	224	310	402	499	585	720	829	922	quid
041	Acro cord	0414	steg	225	311	403	500	586	721	830	923	quid
042	Acro cord	0415	steg	226	312	404	501	587	722	831	924	quid
043	Acro cord	0416	steg	227	313	405	502	588	723	832	925	quid
044	Acro cord	0417	steg	228	314	406	503	589	724	833	926	quid
045	Acro cord	0418	steg	229	315	407	504	590	725	834	927	quid
046	Acro cord	0419	steg	230	316	408	505	591	726	835	928	quid
047	Acro cord	0420	steg	231	317	409	506	592	727	836	929	quid
048	Acro cord	0421	steg	232	318	410	507	593	728	837	930	quid
049	Acro cord	0422	steg	233	319	411	508	594	729	838	931	quid
050	Acro cord	0423	steg	234	320	412	509	595	730	839	932	quid
051	Acro cord	0424	steg	235	321	413	510	596	731	840	933	quid
052	Acro cord	0425	steg	236	322	414	511	597	732	841	934	quid
053	Acro cord	0426	steg	237	323	415	512	598	733	842	935	quid
054	Acro cord	0427	steg	238	324	416	513	599	734	843	936	quid
055	Acro cord	0428	steg	239	325	417	514	600	735	844	937	quid
056	Acro cord	0429	steg	240	326	418	515	601	736	845	938	quid
057	Acro cord	0430	steg	241	327	419	516	602	737	846	939	quid
058	Acro cord	0431	steg	242	328	420	517	603	738	847	940	quid
059	Acro cord	0432	steg	243	329	421	518	604	739	848	941	quid
060	Acro cord	0433	steg	244	330	422	519	605	740	849	942	quid
061	Acro cord	0434	steg	245	331	423	520	606	741	850	943	quid
062	Acro cord	0435	steg	246	332	424	521	607	742	851	944	quid
063	Acro cord	0436	steg	247	333	425	522	608	743	852	945	quid
064	Acro cord	0437	steg	248	334	426	523	609	744	853	946	quid
065	Acro cord	0438	steg	249	335	427	524	610	745	854	947	quid
066	Acro cord	0439	steg	250	336	428	525	611	746	855	948	quid
067	Acro cord	0440	steg	251	337	429	526	612	747	856	949	quid
068	Acro cord	0441	steg	252	338	430	527	613	748	857	950	quid
069	Acro cord	0442	steg	253	339	431	528	614	749	858	951	quid
070	Acro cord	0443	steg	254	340	432	529	615	750	859	952	quid
071	Acro cord	0444	steg	255	341	433	530	616	751	860	953	quid
072	Acro cord	0445	steg	256	342	434	531	617	752	861	954	quid
073	Acro cord	0446	steg	257	343	435	532	618	753	862	955	quid
074	Acro cord	0447	steg	258	344	436	533	619	754	863	956	quid
075	Acro cord	0448	steg	259	345	437	534	620	755	864	957	quid
076	Acro cord	0449	steg	260	346	438	535	621	756	865	958	quid
077	Acro cord	0450	steg	261	347	439	536	622	757	866	959	quid
078	Acro cord	0451	steg	262	348	440	537	623	758	867	960	quid
079	Acro cord	0452	steg	263	349	441	538	624	759	868	961	quid
080	Acro cord	0453	steg	264	350	442	539	625	760	869	962	quid
081	Acro cord	0454	steg	265	351	443	540	626	761	870	963	quid
082	Acro cord	0455	steg	266	352	444	541	627	762	871	964	quid
083	Acro cord	0456	steg	267	353	445	542	628	763	872	965	quid
084	Acro cord	0457	steg	268	354	446	543	629	764	873	966	quid
085	Acro cord	0458	steg	269	355	447	544	630	765	874	967	quid
086	Acro cord	0459	steg	270	356	448	545	631	766	875	968	quid
087	Acro cord	0460	steg	271	357	449	546	632	767	876	969	quid
088	Acro cord	0461	steg	272	358	450	547	633	768	877	970	quid
089	Acro cord	0462	steg	273	359	451	548	634	769	878	971	quid
090	Acro cord	0463	steg	274	360	452	549	635	770	879	972	quid
091	Acro cord	0464	steg	275	361	453	550	636	771	880	973	quid
092	Acro cord	0465	steg	276	362	454	551	637	772	881	974	quid
093	Acro cord	0466	steg	277	363	455	552	638	773	882	975	quid
094	Acro cord	0467	steg	278	364	456	553	639	774	883	976	quid
095	Acro cord	0468	steg	279	365	457	554	640	775	884	977	quid
096	Acro cord	0469	steg	280	366	458	555	641	776	885	978	quid
097	Acro cord	0470	steg	281	367	459	556	642	777	886	979	quid
098	Acro cord	0471	steg	282	368	460	557	643				

ANIMAL RECORD	REGN. LMR	DIVN. CREWE	AREA	SITE B145
SITE NAME Telreddig	RECORDER BM Carter & J. Walker	WEATHER Little cloud; bright, hot & sunny. Dry with no wind.		LANDFORM ① 2 3 ④ ⑤ 6 7 Fairly flat by AP, going through a gentle cutting into a steep rock cutting with streams coming down face.
M.P. 6 1/2 → 3/4	TIPPING locally near the AP & on gentler slopes	DATE 26.6.79	TIME 1600 → 1815	
COUNTY Powys	N.L.U. Rough pasture.			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	30	700	A very varied site with grassland, heath & scrub vegetation on the gentle cutting to the south. Further north steep rock cuttings occur with slate scree & a pair of streams, plus a conduit with stagnant water. The scrub is extensive on the gentler slope above the rock face and locally some secondary woodland has developed. There is a lot of bramble and tall herb vegetation. A well above average site contributing a number of new habitats to the pastoral region. Good variety of cover & food.	Birds (small)	3	4	4
0	0	5	700		Birds (large)	3	2	2
1	3	5	700		Mamm. (small)	3	3	3
1	6	20	700		Mamm. (large)	3	3	2
3	2	2	703		Other verts.	1	3	2
3	2	2	700		Lepidoptera	3		3
4	3	20	700		Other insects	3	3	3
4	8	10	703		Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Swallow	3610	3	Tadpoles	6	<u>Cepaea nemoralis</u>	
House Martin	3640	2	Voles	3	Various:	
Corvid Crow	3681	2			Tipulid flies	
Robin	4000	2			Coleoptera bugs	
Blackbird	4240	1			Jassid bugs	
Garden Warbler	4600	1			Ephemeroptera	
Spotted Flycatcher	4840	1			Plecoptera	
Pied Wagtail	5032	1			Trichoptera	
Grey Wagtail	5050	1			Other Gastropoda	
House Sparrow	5250	1			<u>Vitrea palluoides</u>	
Chaffinch	5550	2				
contd. over			contd. over		contd. over	
Cuckoo	3040	1				
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME All Stratton

Map Ref 50467962 Data bank ref

NCC Region West Midlands

County Salop

Internal ref R181

STATUS

Part of	Adjacent to	NNR	PNNR	INR	SSSI
---------	-------------	-----	------	-----	------

County Flora site. State ref ..

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - Herb-species-rich dry grassland; bramble & tall herbs.
)
Geological)

RAILWAY REGION LMR DIVISION Crewe

AREA —

Address of Area Civil Engrs Office W.G. Cutting (D.C.E.)

Telephone number

Rail House
Gresty Rd
CREWE

*Tel. No. 0270 55123 extn. 2914.

Name of railway line Shrewsbury → Crewe Arms

Access at B1370 bridge over at 50467965

Mileage post 10 1/2

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Re

VISITS

Date	By whom	Assessment/Action
27th June 1979	Dr. C.M. Sargent, B.M. Carlston & J. Walker	Very rich grassland, consistently with c. 30 spp. in a 1m ² quadrat. It contains a number of generally basic low spp and is in marked contrast to much of the rather acidophila grassland of the N1 on the moor of the long Mynd. Neither large nor with any real rarities but an example of BR ponding diversity in semi-natural grassland. * Note. The site itself is not of great conservation value but the line may have larger & better sites nearby. The randomisation left a stretch gap between here, Leominster & Knighton which could well, on the strength of this site, have some worthwhile stretches. Suggest liaison with BR to discover likely sites.

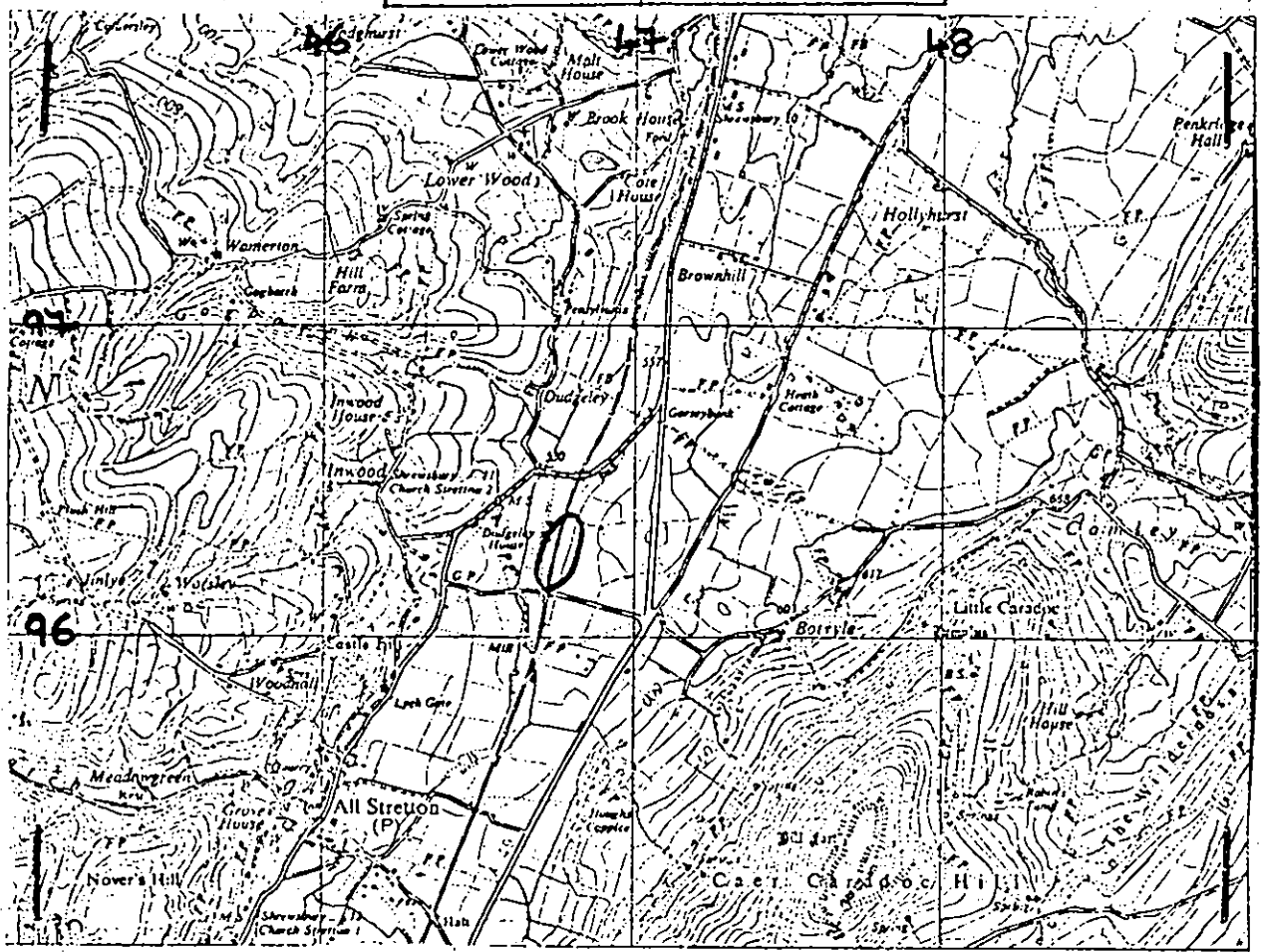
Continue over

FILE OPENED BY ITE Monks Wood

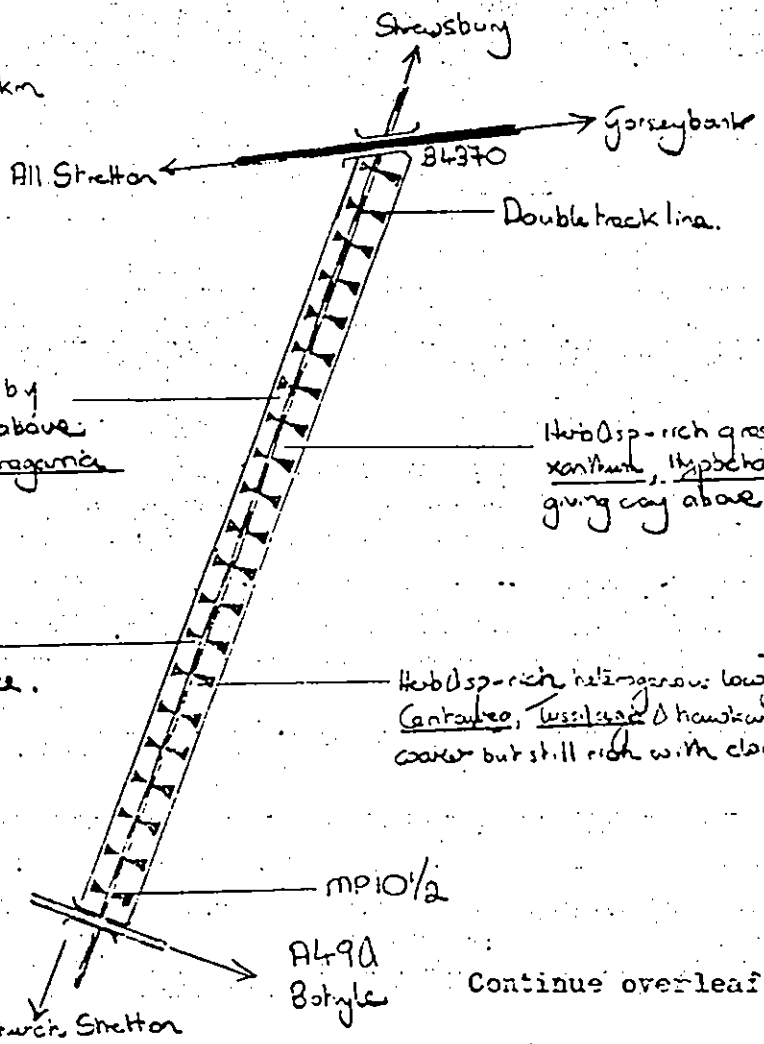
DATE 13th Jan. 1981

LOCATION STATUS

<u>Accurate</u>	Approximate
-----------------	-------------



Scale SKETCH MAP 30cm = 1km



Dry fescue grassland by line with very rich sward above: fescue/hort & plantain & Fragaria

Herbosp-rich grasslands on the Anho-xanthus, Hypochaeris, fescue & hawkweed giving way above to Isleum leuostictus etc.

Bromide by lines becoming increasingly mixed with rosebay & birch near fence.

Herbosp-rich heterogeneous low grasslands with Poa Canadensis, Luzula & hawkweed. Nearer fence coarser but still rich with clover, Deschampsia, Thistle, Rubus.

84370 & All Stretton

mp10/2

A490 Botyle

Continue overleaf

SITE NAME All Stratton

CDB ref

(Section 5)
Internal ref R181

Altitude 540'

Local Geology

Boulder clay over Silurian rocks: Houghtley Shales (S., Pentamerus Beds to N.; near AP Pre-Cambrian rocks of Stratton Shale Group. [Soils: loam over stony red-brown sandy clay + loam; and brown earth with gleying belonging to Cottan class]

Neighbouring Landuses Rough Pasture.

DIRECTION FROM ACCESS

N E W S E W or BOTH

Dist from * access point	200 → 350m	200 → 300m	300 → 350m				
Side of track °	E	W	W				
Landform x	C. Cut	C. Cut.	C. Cut.				
Aspect-degrees	290°	110°	110°				
Width-metres	c.10m.	7m.	7.5m				
Disturbance +	L. Ball	L. Ball	M. Ball				

- * If site is both sides of access point, precede distance by cardinal point.
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Almost 100 spp. in a small site. Very rich grassland quadrats. Centaurea scabiata, Helictotrichon pubescens are both local or rare grassland species in the area, both rather basicalous. Medicago sativa and Valerianella are less common species of disturbed areas.

General vegn characteristics and habitat description indicate side of track

The east side is a medium-sized cutting with a narrow flat by the fence. It is almost entirely grass covered though bramble is established locally away from the track & a few bushes do occur. The dominant grasses near the line are Poa pratensis, P. angustifolia, Anthoxanthum, Festuca rubra and more rarely Arrhenatherum and Bromus strobilatus. In the herb-Aspidistra-rich sward Luzula, Hypochaeris, Hieracium, Centaurea scabiata, Trifolium pratense are generally common with Achillea, Lathyrus, Medicago lupulina, Viola, Centaurea scabiata, Calluna vulgaris & Trifolium pratense more locally significant. Ant-hills are frequent and moss-cover of low pleurocaps can reach 30%. This heterogenous grassland becomes richer near the fence in coars spp, and there are clear dominants but there is no decline in species total. Arrhenatherum, Doctylic, Holcus lanatus grow with Cirsium, hogweed & patches of Trifolium pratense. Bramble is common near the fence and the grassland is up to 70cm tall (compared to c. 30 near track). [column 2]. The good grassland on the west side is less extensive but richer still. Festuca (Agrostis) grassland is found in the north with much Fragaria & Potentilla. Again ant-hills occur encouraging animals such as Valerianella and Fire. Major forbs include Rhinanthus, Luzula, Lathyrus, Centaurea scabiata, Viola, Hypochaeris, Antipraxis & Medicago sativa, with Anthoxanthum & Poa locally significant grasses. Carex flacca forms patches & Trisetum occurs. Near the line the fine grassland becomes markedly poorer with only Rhinanthus at all common, and a species list half as big. [column 2]. Finally in the far South there is an eutrophic rubbish tip on the bank with extensive subballasting producing a coarse poor vegetation of bramble at 1.5m. in a dense thicket, thinning out near the fence and giving way to tall rosebay and some birch with Tamus common, hawthorn & hickory. [column 3].

PREFERRED MANAGEMENT

Mowing & grazing of the grass. Control of bramble.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Note: old colonized ballast

27.6.79 gom.

SIDE OF TRACK

N	E	W	S	E	W
---	---	---	---	---	---

DATE 27.6.79 RECORDER CMSargent/Kromantford
JGDalton

CODE	NAME
162	Arenaria supina s.s.
1828	Hieracium sp.
2145	Valeriana liliiflora
2186	Vicia subvariegata

Code	Name	Locality	Notes																																																																																																																																																																																																																																																																																												
1397	1599	1605	1607	1619	1623	1643	1645	1647	1649	1651	1663	1667	1673	1677	1681	1683	1685	1687	1689	1691	1693	1695	1697	1699	1701	1703	1705	1707	1709	1711	1713	1715	1717	1719	1721	1723	1725	1727	1729	1731	1733	1735	1737	1739	1741	1743	1745	1747	1749	1751	1753	1755	1757	1759	1761	1763	1765	1767	1769	1771	1773	1775	1777	1779	1781	1783	1785	1787	1789	1791	1793	1795	1797	1799	1801	1803	1805	1807	1809	1811	1813	1815	1817	1819	1821	1823	1825	1827	1829	1831	1833	1835	1837	1839	1841	1843	1845	1847	1849	1851	1853	1855	1857	1859	1861	1863	1865	1867	1869	1871	1873	1875	1877	1879	1881	1883	1885	1887	1889	1891	1893	1895	1897	1899	1901	1903	1905	1907	1909	1911	1913	1915	1917	1919	1921	1923	1925	1927	1929	1931	1933	1935	1937	1939	1941	1943	1945	1947	1949	1951	1953	1955	1957	1959	1961	1963	1965	1967	1969	1971	1973	1975	1977	1979	1981	1983	1985	1987	1989	1991	1993	1995	1997	1999	2001	2003	2005	2007	2009	2011	2013	2015	2017	2019	2021	2023	2025	2027	2029	2031	2033	2035	2037	2039	2041	2043	2045	2047	2049	2051	2053	2055	2057	2059	2061	2063	2065	2067	2069	2071	2073	2075	2077	2079	2081	2083	2085	2087	2089	2091	2093	2095	2097	2099	2101	2103	2105	2107	2109	2111	2113	2115	2117	2119	2121	2123	2125	2127	2129	2131	2133	2135	2137	2139	2141	2143	2145	2147	2149	2151	2153	2155	2157	2159	2161	2163	2165	2167	2169	2171	2173	2175	2177	2179	2181	2183	2185	2187	2189	2191	2193	2195	2197	2199	2201	2203	2205	2207	2209	2211	2213	2215	2217	2219	2221	2223	2225

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Thurmaston

Map Ref SK620096 Data bank ref

NCC Region East Midlands

County Leicestershire

Internal ref B148

STATUS

Part of	Adjacent to	NMR	PNR	LNK	SSSI
---------	-------------	-----	-----	-----	------

County Flora site. State ref -

Local Information site. State source - R. Parlow, N.C.C., R.S.A.

Discovery etc. (Describe) -

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
---------------	----------------	--------------	------	-----------

Animals	Insects	Reptiles	Birds	Mammals
---------	---------	----------	-------	---------

Habitat) describe - Good zonation of calcifuge & calcicole grassland types with extensive scrub.
)
Geological)

RAILWAY REGION LMA

DIVISION Nottingham

AREA -

Address of Area Civil Engrs Office J. Law (D.C.E.)
Telephone number Furlong House

Queen's Drive
NOTTINGHAM.

Tel. No. 0602 48531 extn. 2389

Name of railway line Leicester -> Peterborough

Access at Minor road bridge over at SK621099

Mileage post 103

NOTIFICATION

Site notified to BR

Management agreement (see section 3 for detail)

With whom	By whom	Date	Re.

VISITS

Date	By whom	Assessment/Action
<u>2nd July 1979</u>	<u>Dr. C.M. Sargent, B.M. Carleton & H.J. Killick</u>	<u>Good varied area with interesting zonation of grassland, presumably determined by drift. The species list includes a number of more local calcifuge and calcicole spp. It is also reasonably large with fairly big scrub patches. In an area with little natural grassland or scrub and placed on the edge of a major urban centre, this is a valuable site.</u> <u>* Note and possibly notify to B.R. Some further survey work on other extensive cuttings is recommended. This site does not merit scheduling but it is rather better than the nearby B115 at Kibworth. Some monitoring & management of it is most desirable.</u>

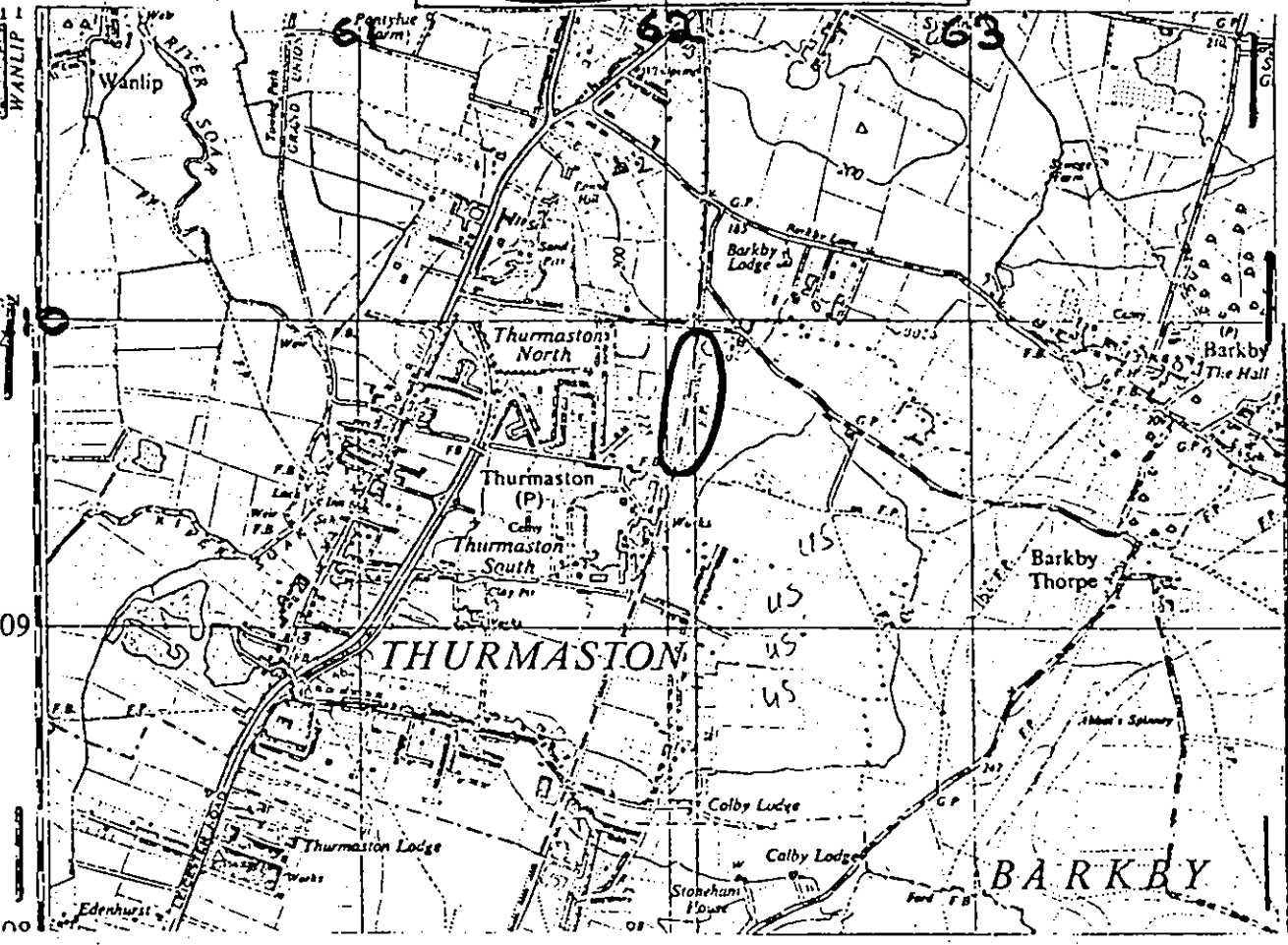
Continue over

FILE OPENED BY TE Monks Wood

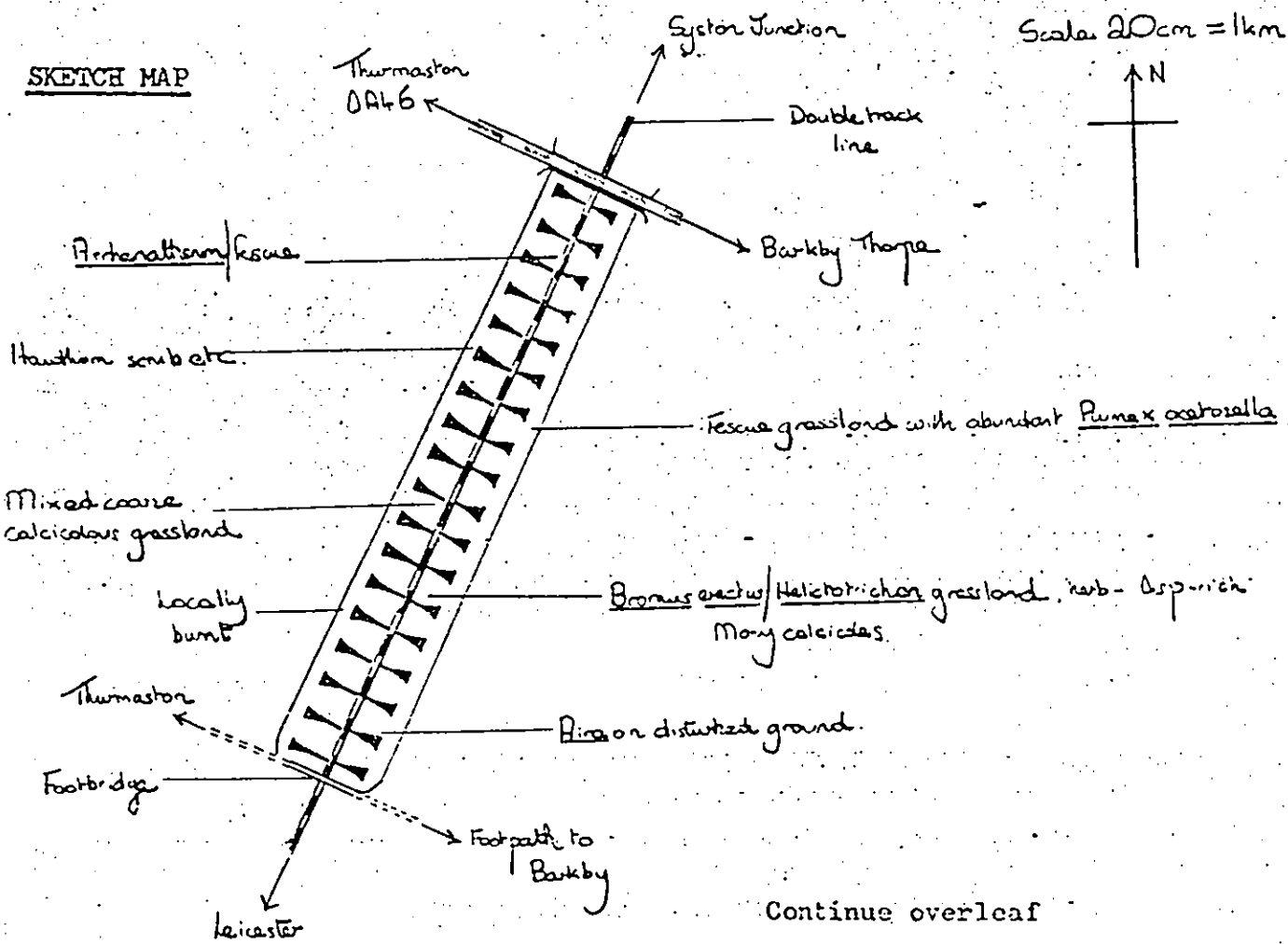
DATE 12th Jan 1981

LOCATION STATUS

Accurate	Approximate
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SKETCH MAP



Continue overleaf

SITE NAME Thurleston

CDB ref

(Section 5)
Internal ref B148

Altitude 190' → 220'

Local Geology

Boulder clay in S; Glacial Sand & Gravel in N over Triassic Keuper Mart.

Neighbouring landuses Arable agriculture & Industrial Land.

DIRECTION FROM ACCESS

N E W S E W or BOTH

Dist from * access point	<u>0 → 450m</u>	<u>0 → 450m</u>	<u>0 → 450m</u>	<u>0 → 450m</u>				
Side of track °	<u>NW</u>	<u>NW</u>	<u>SE</u>	<u>SE</u>				
Landform x	<u>Cut</u>	<u>Flat</u>	<u>Cut</u>	<u>Flat</u>				
Aspect-degrees	<u>115°</u>	<u>—</u>	<u>295°</u>	<u>—</u>				
Width-metres	<u>c.25m</u>	<u>c.10m</u>	<u>c.25m</u>	<u>c.10m</u>				
Disturbance †	<u>—</u>	<u>1c. Fire</u>	<u>—</u>	<u>—</u>				

- * If site is both sides of access point, precede distance by cardinal point.
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST

Good selection of calcicoles more local in Midlands: Bromus erectus, Blackstonia, Centaureia, Geranium, Gnaphalium, Cirsium, aculeata, Inula, Pinguicula. The mixed hawkweed population is interesting. Solidago is a very local calcifuge in En. England & Epilobium adnatum is a plant of disturbed places near its Nn. limit. The zonation of types is quite marked.

General vegn characteristics and habitat description indicate side of track

The cutting is generally covered in a rather coarse but herb-rich grassland of Bromus erectus with Helictotrichon pubescens; Fesues, Poa, Trisetum & Arrhenatherum being locally important. Among the characteristic forbs are Inula, annual Gnaphalium and Cirsium aculeata, Gnaphalium retundifolium is also locally very common and Fragaria x Arvensis is invading. On the east side disturbance has occurred locally and on these rather sandy soils Aira and Hieracium dominate. A small area of exposed marl has a population of Sedum acre. The west side is broadly similar but coarser and poorer with rather a lot of Arrhenatherum near the track side. Patches of Festuca ovina are found however and steeper slopes have considerable scrub invasion particularly of Hawthorn but with ash, birch, elder etc. The coarser grassland had a lot of Cirsium aculeata forma caulescens [column 1 & 3]. The western flat has even more scrub and generally more calcifuge coarse grassland with areas of burning [column 2]. The eastern flat has coarse Festuca grasslands with a large population of Rumex acetosella. This vegetation is probably associated with the sandy drift and does spread down the slopes somewhat [column 4]. The bands of different grassland are well marked with the brown of sward & yellow of hawkweed picking out the upper sandy slopes and flats, the grey colour of Arrhenatherum indicating disturbed trackside vegetation and bright green the calcicole sward. A little scrub does occur on the En. perimeter flat.

PREFERRED MANAGEMENT

Some mowing or grazing, control of scrub.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Disturbance & burning on W. edge probably due to building site on NL.

2.7.79 Jom.

Additional Species
NAME
CODE

883	law	883	750	late	bade	681	Adel	deci	791	791	base
884	plan	884	794	base	base	682	Anas	deci	794	794	base
885	plat	885	796	turb	turb	683	Anth	jula	796	796	turb
886	luj	886	797	cavi	cavi	684	Anth	hust	797	797	Leje
887	quad	887	801	lama	lama	685	Anth	hust	801	801	lama
888	quid	888	801	lor	lor	686	Apha	punc	801	801	lor
889	pub	889	803	lor	lor	687	Barb	micr	803	803	lor
890	comp	890	804	late	late	688	Barb	micr	804	804	late
891	comp	891	805	late	late	689	Barb	micr	805	805	late
892	comp	892	806	late	late	690	Barb	micr	806	806	late
893	comp	893	807	late	late	691	Barb	micr	807	807	late
894	comp	894	808	late	late	692	Barb	micr	808	808	late
895	comp	895	809	late	late	693	Barb	micr	809	809	late
896	comp	896	810	late	late	694	Barb	micr	810	810	late
897	comp	897	811	late	late	695	Barb	micr	811	811	late
898	comp	898	812	late	late	696	Barb	micr	812	812	late
899	comp	899	813	late	late	697	Barb	micr	813	813	late
900	comp	900	814	late	late	698	Barb	micr	814	814	late
901	comp	901	815	late	late	699	Barb	micr	815	815	late
902	comp	902	816	late	late	700	Baz	micr	816	816	late
903	comp	903	817	late	late	701	Baz	micr	817	817	late
904	comp	904	818	late	late	702	Baz	micr	818	818	late
905	comp	905	819	late	late	703	Baz	micr	819	819	late
906	comp	906	820	late	late	704	Baz	micr	820	820	late
907	comp	907	821	late	late	705	Baz	micr	821	821	late
908	comp	908	822	late	late	706	Baz	micr	822	822	late
909	comp	909	823	late	late	707	Baz	micr	823	823	late
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912	comp	912	826	late	late	710	Baz	micr	826	826	late
913	comp	913	827	late	late	711	Baz	micr	827	827	late
914	comp	914	828	late	late	712	Baz	micr	828	828	late
915	comp	915	829	late	late	713	Baz	micr	829	829	late
916	comp	916	830	late	late	714	Baz	micr	830	830	late
917	comp	917	831	late	late	715	Baz	micr	831	831	late
918	comp	918	832	late	late	716	Baz	micr	832	832	late
919	comp	919	833	late	late	717	Baz	micr	833	833	late
920	comp	920	834	late	late	718	Baz	micr	834	834	late
921	comp	921	835	late	late	719	Baz	micr	835	835	late
922	comp	922	836	late	late	720	Baz	micr	836	836	late
923	comp	923	837	late	late	721	Baz	micr	837	837	late
924	comp	924	838	late	late	722	Baz	micr	838	838	late
925	comp	925	839	late	late	723	Baz	micr	839	839	late
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927	comp	927	841	late	late	725	Baz	micr	841	841	late
928	comp	928	842	late	late	726	Baz	micr	842	842	late
929	comp	929	843	late	late	727	Baz	micr	843	843	late
930	comp	930	844	late	late	728	Baz	micr	844	844	late
931	comp	931	845	late	late	729	Baz	micr	845	845	late
932	comp	932	846	late	late	730	Baz	micr	846	846	late
933	comp	933	847	late	late	731	Baz	micr	847	847	late
934	comp	934	848	late	late	732	Baz	micr	848	848	late
935	comp	935	849	late	late	733	Baz	micr	849	849	late
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938	comp	938	852	late	late	736	Baz	micr	852	852	late
939	comp	939	853	late	late	737	Baz	micr	853	853	late
940	comp	940	854	late	late	738	Baz	micr	854	854	late
941	comp	941	855	late	late	739	Baz	micr	855	855	late
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946	comp	946	860	late	late	744	Baz	micr	860	860	late
947	comp	947	861	late	late	745	Baz	micr	861	861	late
948	comp	948	862	late	late	746	Baz	micr	862	862	late
949	comp	949	863	late	late	747	Baz	micr	863	863	late
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952	comp	952	866	late	late	750	Baz	micr	866	866	late
953	comp	953	867	late	late	751	Baz	micr	867	867	late
954	comp	954	868	late	late	752	Baz	micr	868	868	late
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958	comp	958	872	late	late	756	Baz	micr	872	872	late
959	comp	959	873	late	late	757	Baz	micr	873	873	late
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962	comp	962	876	late	late	760	Baz	micr	876	876	late
963	comp	963	877	late	late	761	Baz	micr	877	877	late
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965	comp	965	879	late	late	763	Baz	micr	879	879	late
966	comp	966	880	late	late	764	Baz	micr	880	880	late
967	comp	967	881	late	late	765	Baz	micr	881	881	late
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969	comp	969	883	late	late	767	Baz	micr	883	883	late
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982	comp	982	896	late	late	780	Baz	micr	896	896	late
983	comp	983	897	late	late	781	Baz	micr	897	897	late
984	comp	984	898	late	late	782	Baz	micr	898	898	late
985	comp	985	899	late	late	783	Baz	micr	899	899	late
986	comp	986	900	late	late	784	Baz	micr	900	900	late
987	comp	987	901	late	late	785	Baz	micr	901	901	late
988	comp	988	902	late	late	786	Baz	micr	902	902	late
989	comp	989	903	late	late	787	Baz	micr	903	903	late
990	comp	990	904	late	late	788	Baz	micr	904	904	late
991	comp	991	905	late	late	789	Baz	micr	905	905	late
992	comp	992	906	late	late	790	Baz	micr	906	906	late
993	comp	993	907	late	late	791	Baz	micr	907	907	late
994	comp	994	908	late	late	792	Baz	micr	908	908	late
995	comp	995	909	late	late	793	Baz	micr	909	909	late
996	comp	996	910	late	late	794	Baz	micr	910	910	late
997	comp	997	911	late	late	795	Baz	micr	911	911	late
998	comp	998	912	late	late	796	B				

LMA NOTT.

B148

SITE NAME <i>Thurmaston</i>	RECORDER <i>B.M. Corleton</i>	WEATHER <i>Dull and cloudy with a moderate breeze. Generally rather cool but with some spells</i>	LANDFORM 1 2 3 4 5 6 7 <i>Large cutting with minor flats along top.</i>
M.P. <i>103</i>	TIPPING <i>Little/colonized</i>	DATE <i>2.7.79</i>	TIME <i>1530 → 1700</i>
COUNTY <i>Leicestershire</i>	N.L.U. <i>Arable agriculture Did not record</i>		

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	20	700	<p>Cutting slopes of varying grass types — thought generally rather coarse. The lower areas are more bare with a calcareous grasses grow near the flat. Some scrub occurs especially on the W. side where the vegetation is coarse. A good site for grasshoppers insects etc. in a poor arable region. Also of value as providing some scrub in a rather coverless area for a variety of birds. Some bramble locally. Some areas locally burnt or disturbed on an odd piece of exposed marl.</p>	Birds (small)	3	3	3
1	1	80	700		Birds (large)	2	2	1
1	3				Mamm. (small)	3	3	3
1	6	—	700		Mamm. (large)	2	1	1
4	3			Other verts.	.	2	2	
				Lepidoptera	3	.	3	
				Other insects	3	3	3	
				Other inverts.	3	3	3	

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
<i>Sky lark</i>	<i>3570</i>	<i>1</i>	<i>Rabbit</i>	<i>4</i>	<i>Large White butterfly</i>	
<i>Swift</i>	<i>3270</i>	<i>1</i>			<i>Small Tortoiseshell butt.</i>	
<i>Maggie</i>	<i>3720</i>	<i>1</i>			<i>Meadow Brown butt.</i>	
<i>Mistle Thrush</i>	<i>4320</i>	<i>1</i>			<i>Lasius flavus</i>	
<i>Starling</i>	<i>5130</i>	<i>2</i>			<i>Bombus sp.</i>	
<i>House Sparrow</i>	<i>5250</i>	<i>2</i>			<i>Various:</i>	
					<i>Other lepidoptera</i>	
					<i>Diptera</i>	
					<i>Hemiptera (Tassidae)</i>	
					<i>Zygoptera</i>	
					<i>Orthoptera</i>	
					<i>Aphidoidea</i>	
contd. over			contd. over		contd. over	
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Derby Airport

Map Ref SK270295 Data bank ref

NCC Region West Midlands

County Derbyshire

Internal ref R185

STATUS

Part of	Adjacent to	NNR	PNR	INR	SSSI
---------	-------------	-----	-----	-----	------

County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) - Random Survey Site

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - Cinder & ballast flats developing into a variety of coarse grass
) lands & sallows carr.
Geological)

RAILWAY REGION LMR DIVISION Nottingham

AREA -

Address of Area Civil Engrs Office G. Law (D.C.E.)
Telephone number Furlong [Drive] House.
Queen's Drive
NOTTINGHAM
Tel. No. 0602 48531 extn. 2369.

Name of railway line Egginton Junc. → Willington Junc.

Access at Minor road level crossing at SK269295

Mileage post 26³/₄

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Re:

VISITS

Date	By whom	Assessment/Action
<u>3rd July 1979</u>	<u>Dr. C.M. Sargent,</u> <u>B.M. Goleston, &</u> <u>H.J. Killick</u>	<u>A site whose value lies in its site rather than its species, and in its</u> <u>position rather than its diversity. A big piece of cinder & ballast</u> <u>probably old slings, locally overgrown and producing good cover</u> <u>A feeding area exposed largely arable plain between Burton &</u> <u>Derby. The cover is better than generally found on BR.</u> <u>* Note and monitor. Such a site could make a useful nature reserve</u> <u>experiment for a local school. Suggest further examination of</u> <u>birds etc and surveying of other old slings & yards in the</u> <u>area. Cooperation with BR on this essentially derelict piece of</u> <u>land should be possible provided industrial development is</u> <u>not proposed.</u>

Continue over?

FILE OPENED BY ITE Monks Wood

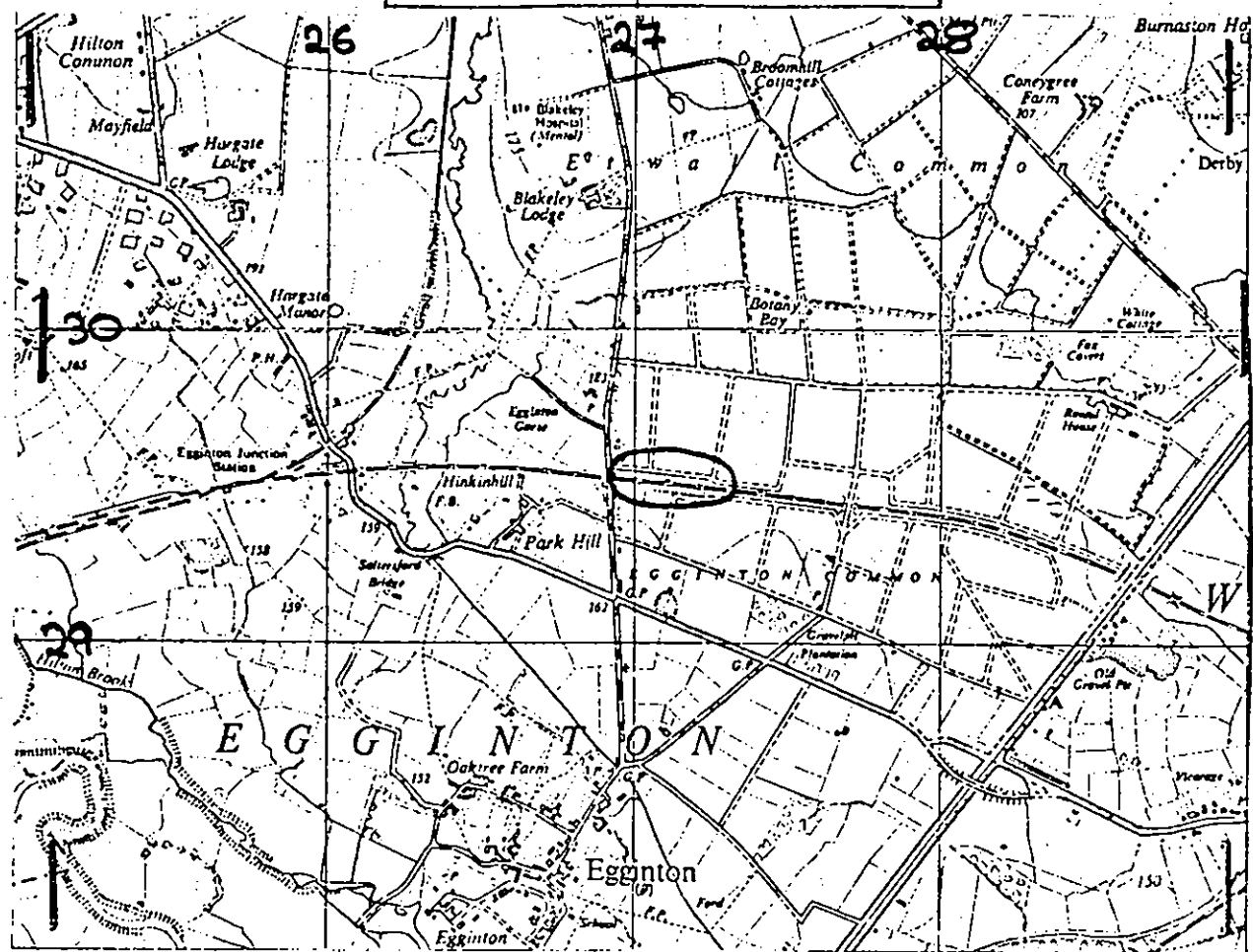
DATE 13th Jan. 1981

LOCATION MAP SCALE 1:25000

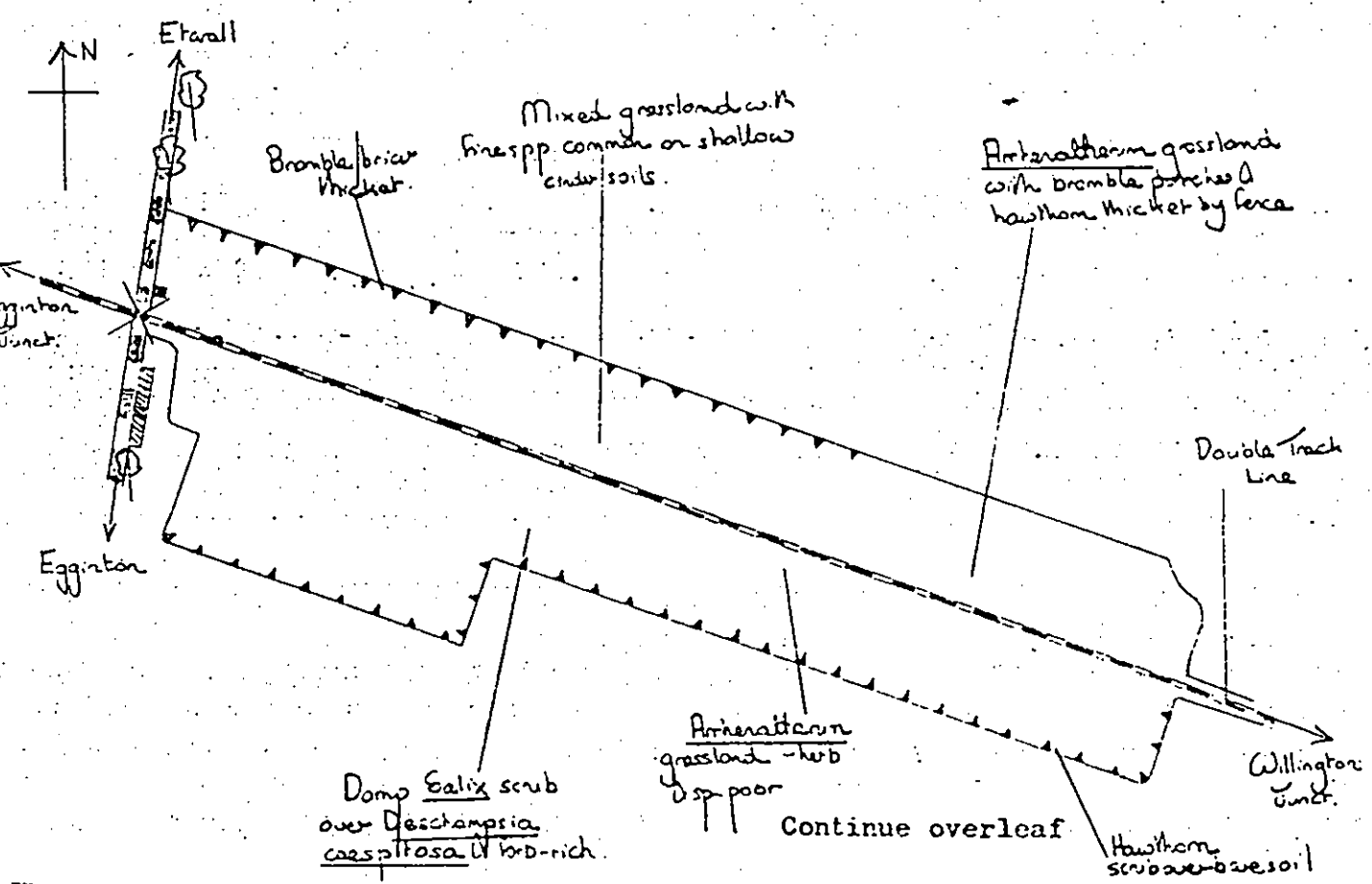
SHEET NO. SK22423 MAP REF SK270295

LOCATION STATUS

Accurate	Approximate
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SKETCH MAP Scale 50cm = 1km.



SITE NAME Dorby Airport

CDB ref

(Section 3)
Internal ref R185

Altitude 180

Local Geology Fluvio-glacial gravels over Triassic. Kuper Mar

Neighbouring Landuses Arable agriculture.

DIRECTION FROM ACCESS

N	E	W	S	E	W
---	----------	---	---	---	---

 or

BOTH

Dist from * access point	50 → 300m	50 → 300m	50 → 300m	50 → 200m				
Side of track °	S	S	N	N				
Landform x	Flat	Cut.	Flat	Cut.				
Aspect-degrees	—	20°	—	200°				
Width-metres	c. 25m.	c. 3m.	c. 25m.	→ 6m.				
Disturbance +	Old Tipp.	—	Old Tipp.	—				

- * If site is both sides of access point, precede distance by cardinal point.
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST Almost 100 vascular plants; with a pair of probably introduced calcicodes: *Bromus erectus* & *Viola hirta*. *Epitabium ciliatum* is rapidly spreading. *Sorghastrum*, *Garrulus pratensis* & *Luzula* are typical spp. not too common on BA.

* = *E. adenocaulon*.

General vegn characteristics and habitat description indicate side of track

The southern side is generally sallow carr dominated by *Salix cinerea*, about eight years old and in the process of displacing a rather rich damp grassland, where tussocks of *Deschampsia caespitosa* are the most significant cover. *Alopecurus pratensis* is common along the edge nearest the line. Locally *Ambratherium*, bramble & hogweed survive frequently but by and large it is too wet. *Poa trivialis*, *Juncus effusus* & *J. subuliflorus* are establishing themselves where it is most waterlogged. *Achillea ptarmica*, *Carex ovalis*, *Epitabium adenocaulon* and *Luzula* are locally common and mass cover may be over 20% with *Eurythmum*, *Brachypodium*, *Diophras* most common, and up to 50% cover *Pterocladium* occurs. Near the line the carr thins out to leave coarse herb-poor *Ambratherium* grassland in a zone c. 6m. wide growing with *Festuca ovina*, *Deschampsia* and a little sedge but hardly any moss. *Synphyllum uplandicum* is well established near the A. Hogweed is the commonest forb [column 1]. By the ditch there is a low cutting covered in hawthorn scrub over bare soil with some elder, Nettle, bitter-sweet and hogweed over here & with a little *Ambratherium* spread into the sallow. [column 2].

The northern side is drier and much less scrubby. The chief cover is a coarse grassland dominated by *Ambratherium* with red fescue & *Trisetum*. It is herb and species-poor; couch is occasionally common. To the west end near the Area the cover becomes much more heterogeneous. *Poa* spp are frequent, especially *P. angustifolia*, with areas dominated by *Holcus lanatus*, some couch & *Ambratherium* and significant amounts of *Agrostis* spp. & *Trisetum*. There is very little moss and few forbs reach significant cover values except in one or two places *Garrulus pratensis* and the ubiquitous hogweed. In places near the line or where the soil is shallower *Hypochaeris*, *Centaurea* & *Leucanthemum* are common, but the typical cover on these old track beds is sedge grassland with *Aira* and abundant *Rumex acetosella*, *R. acetosa*, *Luzula* & *Festuca ovina*. Here and there large bramble thickets dominate the flat, and scattered plants of sallow, birch & hawthorn are common. [column 3]. The low cutting bank is generally a mixed bramble/brier thicket in the west with a little coarse grassland. The east end seems to be a hawthorn hedge allowed to spread and now encroaching the flat to the south, and where the small slope peters out in the east. [column 4].

PREFERRED MANAGEMENT

Some mowing and grazing of the coarse grassland could help discourage *Ambratherium*.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

None.

3.7.79 fom.

SITE NAME

Doby Airport

CDB ref

Internal ref R185

SIDE OF TRACK

N	E	W	S	E	W
---	---	---	---	---	---

DATE 3.7.79

RECORDER CMSargent / Jomantford HUSKILAK

Additional Species	NAME	CODE
	<i>Carex ovalis</i>	397
	<i>Fragaria Xananassa</i>	836
	<i>Gallipais latrohib</i>	868
	<i>Salix cinerea oleifolia</i>	1786
	<i>Hieracium sp.</i>	1828
	<i>Vicia sativa nigra</i>	2186

	LMR	NOTY		R185
SITE NAME Derby Airport	RECORDER B.M. Carlson	WEATHER Fairly warm with only a slight breeze. Generally overcast		LANDFORM ① ② 3 4 5 6 7 A wide flat (old ridings) with a low cutting slope around edge.
M.P. 26 3/4	TIPPING Heavy cinder but almost completely colonized	DATE 3.7.79	TIME 1000 → 1815	
COUNTY Derbyshire	N.L.U. Arable agriculture			

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	35	700	A mainly flat site with an area of overlogged sallow scrub on the south side giving way by fence to low thorn scrub. Scrub occurs patchily on the north side also, as do bramble thickets. The rest of the site is coarse generally herb-poor grassland dominated by <u>Arrhenatherum</u> , <u>Festuca</u> , <u>Triticum</u> , couch, <u>Poa</u> & <u>Holcus lanatus</u> . Some patches of exposed cinder are rich in animals etc. The site is potentially excellent for birds and grassland insects providing a good structural variety of cover & feeding in an open arable region. Deserves further examination.	Birds (small)	4	4	4
0	6	15	700		Birds (large)	3	2	3
1	6	40	700		Mamm. (small)	3	3	3
2	2	—	700		Mamm. (large)	3	2	2
6	5	10	703		Other verts.	1	3	2
					Lepidoptera	3		3
				Other insects	3	3	3	
				Other inverts.	3	3	3	

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Woodpigeon	2990	3	Vole (muss)	3	Common Blue butterfly	2-2-2-2
Sky lark	3570	2	Rabbit	2	Large White butterfly	
Wren	3980	—			<u>Cephus nemoralis</u>	2-2-2-2
Robin	4000	—			<u>Cephus hortensis</u>	
Blackbird	4240	2			<u>Bombus</u> sp.	2-3-3-2
Starling	5180	1			Various:	
House Sparrow	5250	2			Diptera	4-2
					Aphidoridae	
					Zygoptera	2
					other Hemiptera (Jocasta)	
					Oligoneurina	
contd. over			contd. over		contd. over	
contd. over			contd. over		contd. over	

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Studfold Triangle

Map Ref SK49855+ Data bank ref

NCC Region East Midland

County Nottinghamshire

Internal ref B150

STATUS

<u>Part of</u>	Adjacent to	NNR	PNNR	INR	<u>SSSI</u>	Mostly to SE.
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County Flora site. State ref -

Local Information site. State source -

Discovery etc. (Describe) -

INTEREST

<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare	
Animals	Insects	Reptiles	Birds	Mammals	

Habitat) describe - Limestone Rock Cutting, calcareous grassland, siltstone
) flats & rubble waste ground.
Geological)

RAILWAY REGION LMA DIVISION Nottingham AREA -

Address of Area Civil Engrs Office G. Law (D.C.E.)
Telephone number Furlong House
 Quail's Drive
 NOTTINGHAM

Tel No 0602 48531 extn. 2369

Name of railway line Pga Bridge → Mansfield

Access at Along disused line from Lindley line at SK497553 Mileage post 1838

NOTIFICATION

Site notified to BR

Management agreement
(see section 3 for detail)

With whom	By whom	Date	Ref

VISITS

Date	By whom	Assessment/Action
5th July 1979	Dr. C.M. Sargent, B.M. Corleton & H.J. Killick	<p>Terms of notice not nearly so interesting as the disused line to the SE. However this stretch is still part of the SSSI and contains a good diversity of habitat and spp. The whole SSSI is a railway section and a valuable piece of limestone grassland & woodland in a heavily exploited region.</p> <p>* Note & monitor effect of BR management on SSSI. Although this line's future is reasonably safe, some in-creased scheduling might secure the conservation value should it close and be threatened with development. Suggest examination of other sites of potential worth on the limestone here...</p>

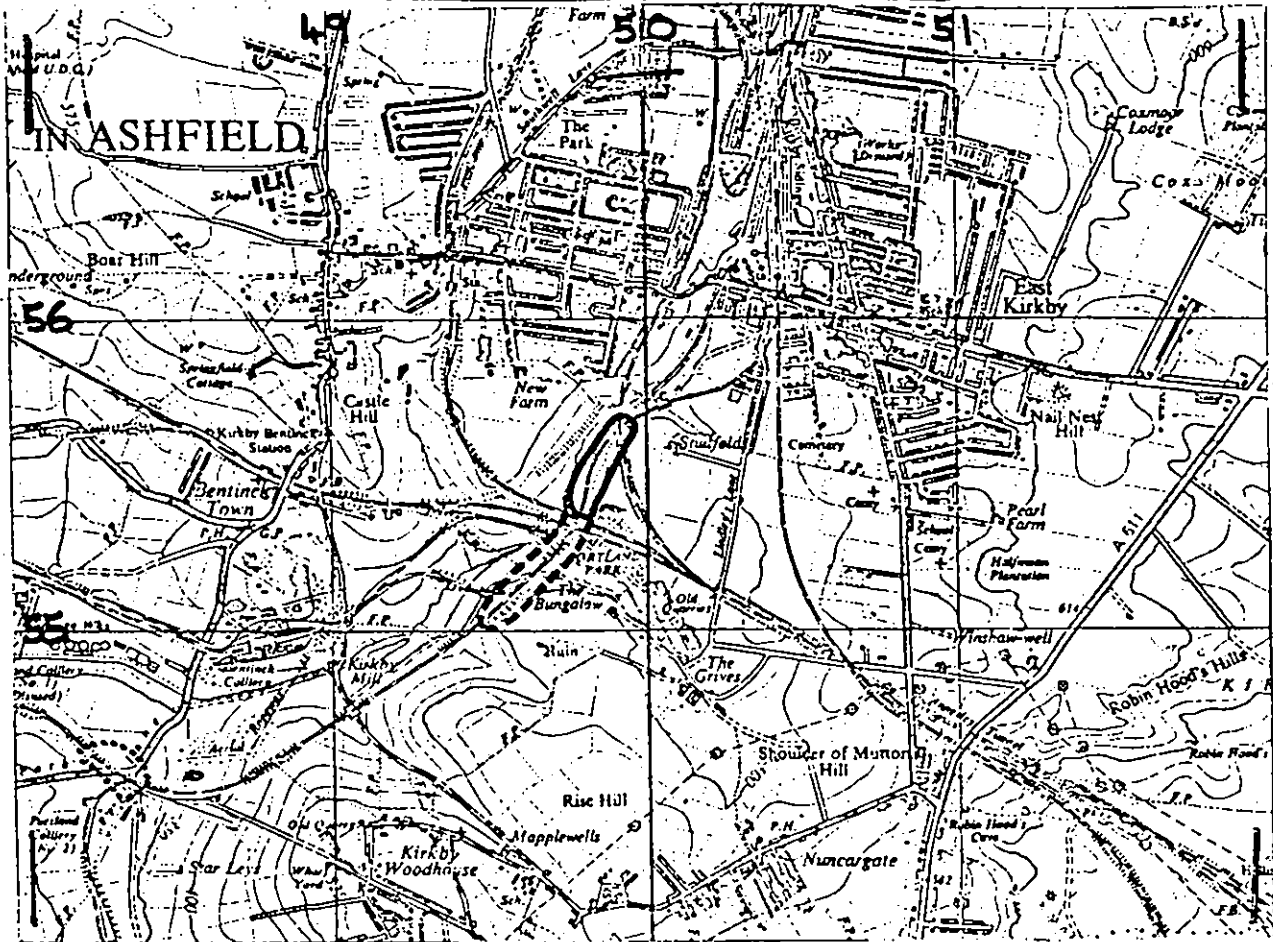
Continue over?

FILE OPENED BY TE Monks Wood

DATE 14th Jan. 1981

LOCATION STATUS

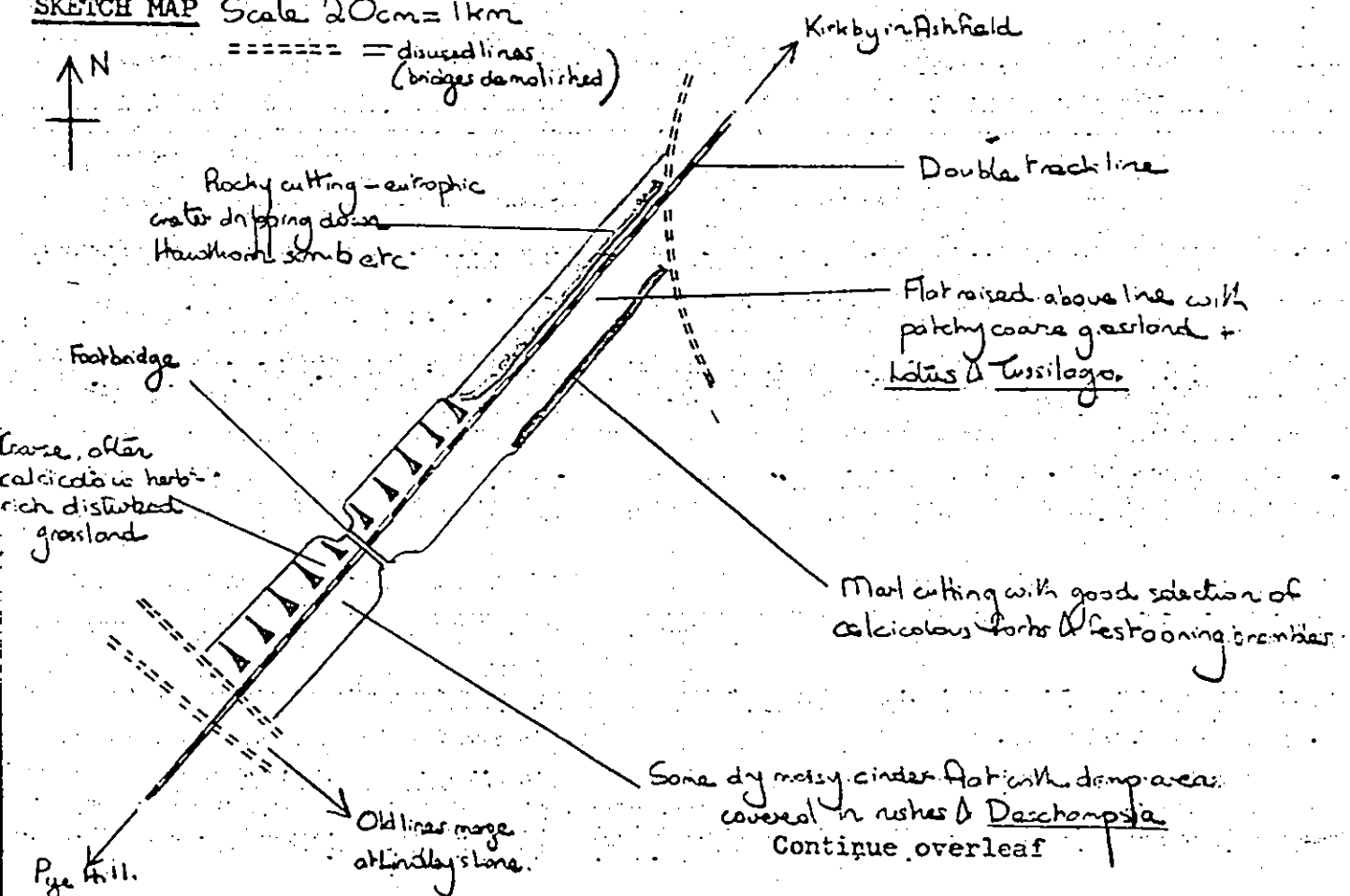
Accurate	Approximate
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○ = B150 ; **⊖** extent of SSSI weed line ; **⊙** = R191

SKETCH MAP Scale **20cm = 1km**

===== disused lines (bridges demolished)



Altitude 430' → 500' Local Geology Lower Permian Marl; limestone (Magnesian) to SE

Neighbouring landuses Disused railway, rough pasture & scrub.

DIRECTION FROM ACCESS

N E W S E W or BOTH

Dist from * access point	0 → 250m	250 → 450m	0 → 250m	150 → 450m	250 → 450m			
Side of track °	NW.	NW	SE	SE	SE			
Landform x	Emb.	S. Cut	Flat	Flat	S. Cut			
Aspect-degrees	310°	130°	—	—	360°			
Width-metres	→ 20m	→ 15m	→ 20m	→ 20m	c.6m			
Disturbance +	M. Tipp.	Domestic rubbish	—	—	—			

- * If site is both sides of access point, precede distance by cardinal point.
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST More than 110 spp. including a number of more local calcicoles; Blackstonia, Pteris hieracifolia, etc. Onobrychis is almost certainly alien here but is very uncommon in the region. Less frequent aliens include Epilobium ciliatum, Artemisia absinthium, & Sedum spurium

General vegn characteristics and habitat description indicate side of track

The only used line is that from Pye Bridge to Mansfield, though the remains of several others (from the Triangle) survive. The north-west bank begins as a gentle meadow, but quite wide embankment covered in rather patchy grassland which is calcareous and a mixture of typical BR Arrhenatherum, Dactylis, Festuca rubra with rather calcicolous Brachypodium pinnatum. This is markedly herb-rich with Antennaria, Lathyrus, Leucanthemum. Occasional better plants such as Onobrychis. There is very little scrub but a certain amount of low brambles. Considerable bare sandy soil is present. [column 1]. Toward Mansfield it enters a rock cutting where the eastern slopes have several steep areas and show signs of eutrophication. The main cover is honeythorn / bramble scrub with several tall sycamores and a limited number of rank nitrophilous herbs. Mosses reach their only healthy growth on the site in these runnels (except for the cinder acrocarps) and a number of garden escapes grow here such as gooseberry, Lois & Rhus, Juncus effusus & J. subuliflorus also grow where it is wet. [column 2]. The south-east side has a broad flat at first which locally bears a typical forb-rich cinder flora of brake, Lactuca and acrocarpous mosses (Bryum spp., Fissaria & Scotodes). Where it is drier the brake is accompanied by Deschampsia cespitosa, Juncus inflexus, Dactylorhiza, & Galium mollugo. [column 3]. In the cutting there is by the line a raised "platform" of clay waste ground covered in a patchy forb-rich vegetation with much Trisetum, abundant Lactuca, Taraxacum, Pimpinella, Hieracium spp., Hypochaeris / Leontodon. A good variety of spp. grows in this free calcicolous habitat. [column 4]. The rock cutting above is drier and although there are patches festooned with Rubus spp. & ivy, the ledges support a good calcicolous grassland of Brachypodium pinnatum, Briza, & Trisetum with Cyperus tenuifolius, Knautia and Pimpinella. [column 5].

PREFERRED MANAGEMENT

Renewed disturbance locally & some grazing.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Much past disturbance, dumping & demolition.

5.7.79 Jom.

SITE NAME

Stoddard Triangle

CDB ref

Internal ref 8150

SIDE OF TRACK

N E W S E W

DATE 5.7.79 RECORDER CMSoynt HJKillick

Additional Species	NAME
430	<i>Castanea hoveniana</i>
1037	<i>Iris germanica</i>
1690	<i>Rhynchospora</i>
1828	<i>Hieracium</i> spp. (subs)
	<i>H. maculatum</i> & <i>H. vulgatum</i>
1884	<i>Sedum spurius</i>

CODE	NAME	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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LMA

NOTT.

8150

SITE NAME Sturford Triangle	RECORDER B.M. Galton	WEATHER Hot & dry. Fairly cloudy, but sunny at times. Occasional slight breeze.	LANDFORM ① 2 3 4 ⑤ ⑥ 7 Embankment at AP; stepped rock cutting to NE. with broad flats.
M.P. 138	TIPPING Locally heavy & in process of recession... circular	DATE 5.7.79	TIME 1600 → 1730
COUNTY Nottinghamshire	N.L.U. Rough grassland & wood. Old railway line		

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	20	700	The rock cutting has some closed scrub & calcareous grassland. The steps are often rather sparsely vegetated, rich in forbs & ruderals. Part of the area is damp & supports a rush marsh vegetation. The embankment at A to SW. of the AP is generally coarse grassland, with varying limestone influence. The plant species list is long and the diversity of habitat is good. The site has considerable potential for phytophagous insects and some birds. The lycanid butterfly populations were notably high. Useful as an addition to the SSSI.	Birds (small)	4	4	3
1	1	20	700		Birds (large)	2	2	2
1	6	10	703		Mamm. (small)	3	3	3
4	3	20	703		Mamm. (large)	2	2	1
6	5	5	703		Other verts.	.	3	2
6	9	25	703		Lepidoptera	3	.	3
					Other insects	3	3	4
					Other inverts.	3	3	3

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Swift	3270	1	Rabbit	3	Common Blue Butterfly	5
Skylark	3570	2			Large White Butterfly	5
Maggie	3720	1			Meadow Brown Butterfly	2
Robin	4000	1			Bombus sp.	2
Blackbird	4240	1			Tessid bug (Froghopper)	2
House Sparrow	5250	2			Syrphid fly	2
Tree Sparrow	5280	1			Various:	
Greenfinch	5330	2			Other Diptera	4
Goldfinch	5350	1			Aphidolidae	4
Chaffinch	5550	2				

contd. over

contd. over

contd. over

contd. over

contd. over

contd. over

RAILWAY SITE OF BIOLOGICAL INTEREST

SITE NAME Langwith Map Ref SK527691 Data bank ref
NCC Region East Midlands/(North-) County Notts./Derbys. Internal ref 8151
West Mid.

<u>STATUS</u>	Part of	Adjacent to	NNR	PNNR	INR	SSSI
---------------	---------	-------------	-----	------	-----	------

County Flora site. State ref -
Local Information site. State source - R. Parslow, N.C.C., R.S.A.
Discovery etc. (Describe) -

<u>INTEREST</u>	<u>Plants</u>	<u>General</u>	<u>Local</u>	Rare	Very rare
	Animals	Insects	Reptiles	Birds	Mammals

Habitat) describe - Limestone rock cutting, calcicolous grassland, scrub
) Rubble-strewn outcrop.
Geological)

RAILWAY REGION Eastern DIVISION Sheffield AREA Chatterfield

Address of Area Civil Engrs Office R. Moulding
Telephone number Sheaf House
Sheffield Midland Str.
S. YORKS.

Tel. No. 0742 20002 extn 2207

Name of railway line Shirebrook -> Shireoaks.

Access at lane bridge over at SK527692 Mileage post

<u>NOTIFICATION</u>	With whom	By whom	Date	Ref
Site notified to BR				
Management agreement (see section 7 for detail)				

<u>VISITS</u>	Date	By whom	Assessment/Action
	<u>6th July 1979</u>	<u>Dr. C.M. Sargent,</u> <u>B.M. Gorton &</u> <u>H.J. Killick</u>	<u>One of a series of limestone rock cuttings examined in this area. Not nearly as good as Anston Stones Wood (B31) done in 1977, but better than the nearby B152 at Plesley. A good piece of Magnesian limestone vegetation in an area where this is almost confined to artificial rock faces etc. The site at Plesley had a superb population of bee orchid, but is otherwise overgrown & polluted.</u> <u>* Note: suggest examination in detail of these rock cuttings in the north Midlands which presumably are probably a significant reservoir of a threatened flora & vegetation types.</u>

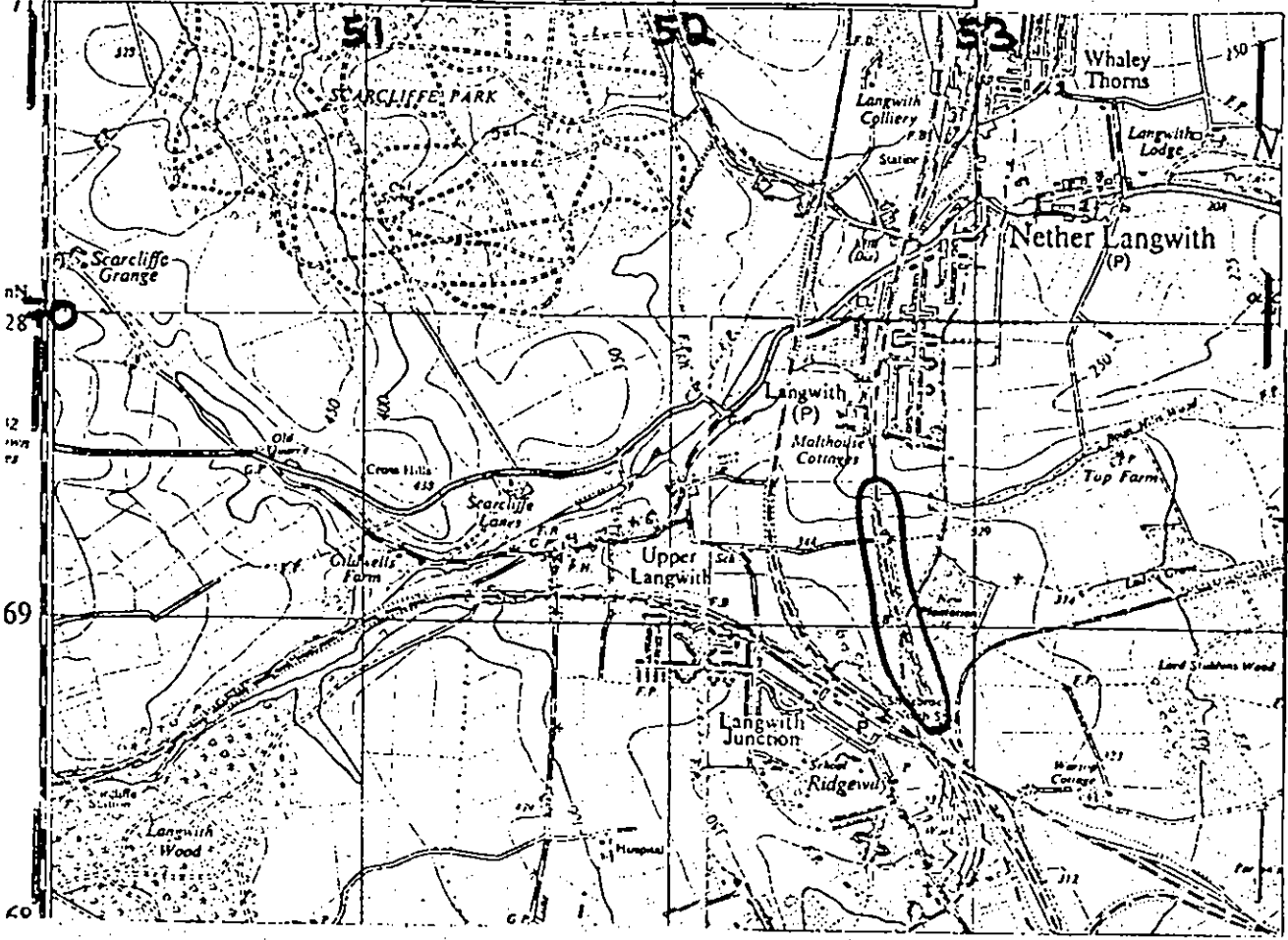
Continue over

FILE OPENED BY ITE Monks Wood

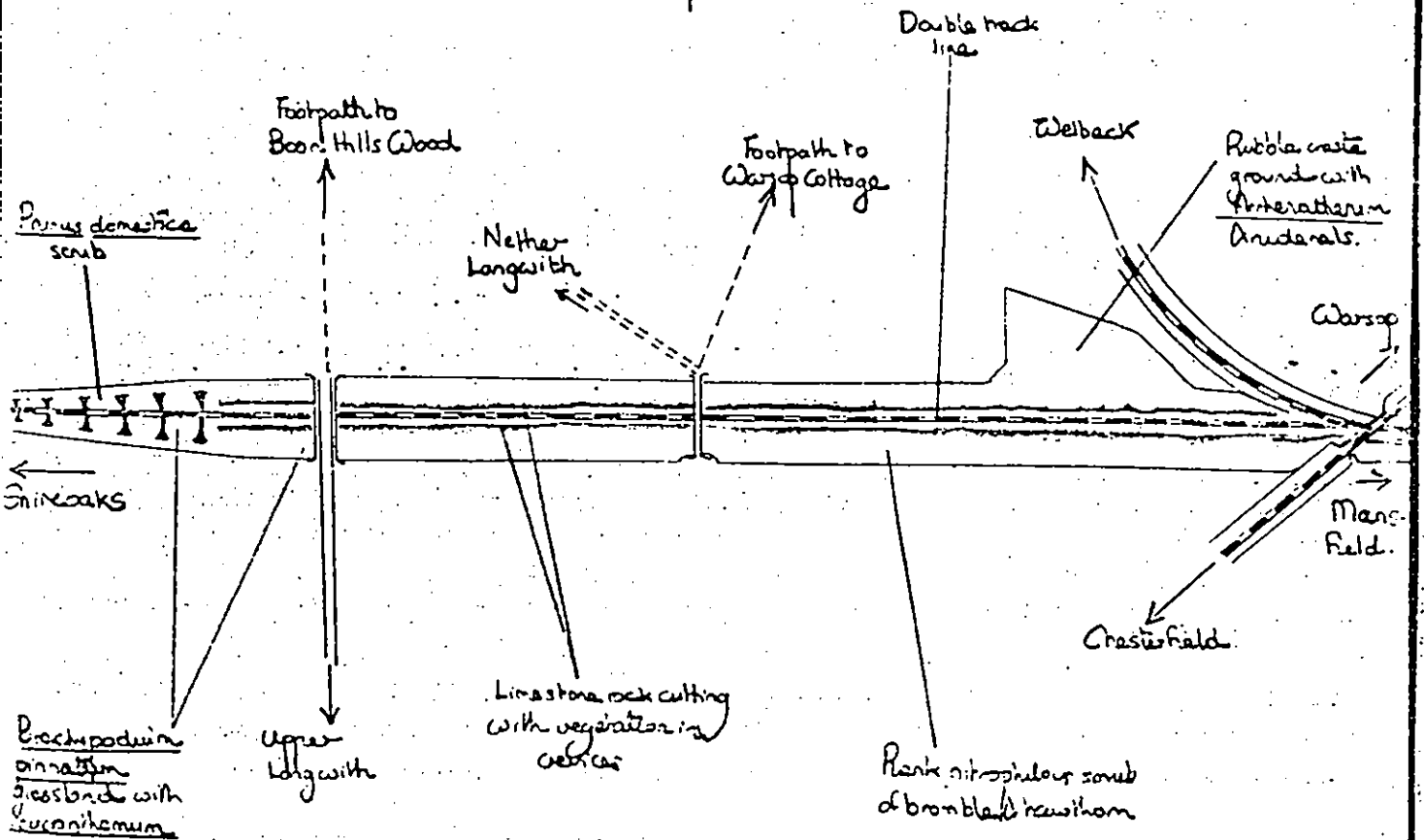
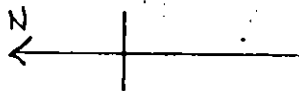
DATE 13th Jan. 1981

LOCATION STATUS

Accurate	Approximate
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SKETCH MAP Scale 2.0cm = 1km.



Continue overleaf

SITE NAME Langwith

CDB ref

(Section 7)
Internal ref B1501

Altitude 280 → 340 Local Geology Permian: lower Magnesian Limestone.

Neighbouring landuses Arable agriculture.

DIRECTION FROM ACCESS

N	E	W	S	E	W
---	---	---	---	---	---

 or BOTH

Dist from * access point	N.200 → N.75m	N.200 → N.75m	N.75m → S.750m	N.75 → S.750m	N.75 → S.700m	N.75 → S.450m	S.450 → 700m.
Side of track °	W.	E.	W	E.	W	E	E
Landform x	Cut.	Cut.	S.Cut.	S.Cut	Flat	Flat	Flat
Aspect-degrees	90°	270°	90°	270°	—	—	—
Width-metres	→20m	→20m	→c.6m	→c.6m	→20m	→20m	→100m.
Disturbance +	—	—	—	—	Spray Drift	—	Rubble.

- * If site is both sides of access-point, precede distance by cardinal point
- o Indicate side of track by compass cardinal point
- x Flat, Cut, Emb, Combination, Complex, Steep, Moderate, Structure, etc.
- + Severe, Moderate, Light, Tipping, Ballast, Cinder, Fire, Clearance, Works, etc.

FEATURES OF SPECIAL INTEREST Good cross-section of typical magnesian limestone spp. Over 120 plant spp. present. Among more focal plants are: Poa compressa, Anthyllis, Artemisia labiata, Picris hieracifolia, Silaum and Companula trachelium, here in an isolated locality.

General vegn characteristics and habitat description indicate side of track
 Much of the site is bare or sparsely vegetated Magnesian Limestone. The cover which does occur is often markedly rich in forbs and species. The dust cover is a coarse Brachypodium pinnatum grassland with Poa compressa, Trisetum flavescens & Briza media, all locally sub dominant. Important forbs include Anthyllis vulneraria, Campanula rotundifolia, Hypericum hirsutum, Lirium catharticum, Agrimonia eupatoria. Where the new cutting has been exposed the bare rock has been colonised by Lolium perenne, presumably introduced. The gentle slopes are locally festooned by bramble & dewberry [column 304]. This kind of vegetation becomes more extensive toward Netter Langwith where the rock cutting levels out to leave a gentle slope with a shallow soil & scattered exposures. Some parts have become covered in Fernus domestica scrub [column 102]. This grassland also occurs on the broad flats above the rock face but here the Brachypodium excludes many of the finer herbs. Leucanthemum is abundant, often colouring the sward and the grassland has a flora of coarse spp. such as Silaum, Danew carota and Cirsopodium. On the west side is an extensive area of hawthorn and bramble scrub with a generally more rich vegetation which is very probably polluted by nitrophilous run-off or drift from the adjacent farm-land. [columns 506]. Finally on a very broad rubble-strewn waste ground on the E. side, caused by works involved in blasting a new cutting is a very floriferous patchy vegetation of Arrhenatherum and tall weeds. Nettle, rosebay, ragwort, leucanthemum etc. are all common with wormwood among the better plants [column 7].

PREFERRED MANAGEMENT

Some mowing or grazing.

EVIDENCE OF MANAGEMENT. Close entries by date and recorder's initials.

Pollution from farm. New cutting & sowing with Lolium. Dumping on broad flat.

6.7.79 Jom.

ANIMAL RECORD	REGN. E	DIVN. SHEF.	AREA CHES.	SITE B1521
SITE NAME Langwith	RECORDER. B.M. Galton	WEATHER Sunny & calm, fairly still with c. 10% clouds.		LANDFORM ① ② 3 4 5 6 7 Rock cutting becoming gentler to N with broad flats above especially on E side where large crags area continuous with BR land.
M.P. -	TIPPING -			
COUNTY Notts./Derbys.	N.I.U. Mainly arable ag/culture	DATE 6.7.79	TIME 1000 → 1200	

HABITAT APPRAISAL

A	B	Z	MGT.	DESCRIPTION	ANIMAL	FH	FC	R
0	5	20	733	<p>long limestone cutting with <i>Brachypodium pinnatum</i> grasslands on ledges and on broad flats to either side. Gently sloping to North has more continuous grassland with scattered rocky outcrops. Large areas of nitrophilous scrub on W edge affected by colluvial drift from adjacent land. The broad crags area on the E side is scrubby and floriferous but open. Lined by scrub. Very good area makes this a likely insect locality especially for grassland spp. & those of drier localities. Rather exposed for birds generally.</p>	Birds (small)	2	2	2
1	1	15	700		Birds (large)	2	1	1
1	6	5	703		Mamm. (small)	3	2	2
4	3	35	700		Mamm. (large)	2	1	1
6	9	25	703		Other verts.	.	3	2
					Lepidoptera	3	.	3
				Other insects	3	3	3	
				Other inverts.	3	3	3	

SPECIES LIST OF ANIMALS RECORDED

BIRDS	CODE	ORD.	OTHER VERTS.	ORD.	INVERTS.	ORD.
Wren	3980	1			Common Blue Butterfly	2
Robin	4000	1			Small White Butterfly	2
Blackbird	4240	1			Fritillary Butterfly	1
House Sparrow	5250	2			Lasius flavus	6
Yellowhammer	5580	1				

contd. over

contd. over

contd. over

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contd. over

contd. over

