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Phytosociological studies in the southern Isles of Shetland

Judith Hilliam

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HEATH SITES.

<u>RELEVE NO.</u>	<u>LOCATION.</u>	<u>GRID REF.</u>
001	Hill of Skellister, North Mainland.	HU 463556
046	Greentaing, Muckle Roe.	HU 342642
047	" " "	"
094	Soolmis Vird, North Mainland.	HU 320731
096	" " " "	"
097	" " " "	"
098	Loch of Burreland, North Mainland.	HU 334748
099	" " " "	"
101	" " " "	"
102	Hamars of Burreland, North Mainland.	HU 333754
104	Loch of Strom, Mainland.	HU 402492
107	Caa Field, Esha Ness, Mainland.	HU 245821
112	Gluss Water, Esha Ness, Mainland.	HU 253808
113	" " " " "	"
114	" " " " "	"
115	" " " " "	"
124	Hurdi Field, Walls, Mainland.	HU 261564
126	The Wards, Walls, Mainland(site 1)	HU 267565
128	" " " " "	"
129	" " " " "	"
130	The Wards, Walls, Mainland(site 2)	HU 269565
131	" " " " "	"
132	Hollorin, Walls, Mainland.	HU 277562
133	" " " " "	"
165	Loch of Strom, Mainland.	HU 401492
169	" " " "	"
178	Mossbank, Delting, Mainland.	HU 445746
179	" " " "	"
180	" " " "	"
211	Setter, Bressay.	HU 511422
212	" " " "	"
213	" " " "	"
214	" " " "	"
215	" " " "	"
216	" " " "	"
231	Catfirth, Nesting, Mainland.	HU 438538
232	" " " "	"
234	" " " "	"
311	Bruntland, Bressay.	HU 515428
312	" " " "	"
313	" " " "	"
315	" " " "	"
316	Burn of Valayre, Delting, Mainland.	HU 374692
318	" " " "	"
319	" " " "	"
321	Burn of Valayre, Delting, Mainland.	HU 370694
322	" " " "	"
323	" " " "	"
334	White Ness, Mainland.	HU 385446

RELEVE NO.LOCATION.GRID REF.

335	White Ness, Mainland.	HU 385446
361	Fugla Water, Lunna Ness, Mainland.	HU 505721
364	" " " " "	"
365	" " " " "	"
366	" " " " "	"
367	" " " " "	"
368	" " " " "	"
369	Loch of Setterness, Lunna Ness, Mainland	HU 487697
370	" " " " "	"
371	" " " " "	"
373	" " " " "	"
374	" " " " "	"
375	" " " " "	"
376	" " " " "	"
377	S.Hill of Lunna, Lunnasting, Mainland.	HU 477677
378	" " " " "	"
379	" " " " "	"
661	Hurda Field, North Mainland.	HU 337702
662	" " " " "	"
663	" " " " "	"
664	" " " " "	"
665	" " " " "	"
667	" " " " "	"
668	" " " " "	"
701	Braga, Whalsay.	HU 535624
702	" " " " "	"
703	" " " " "	"
704	" " " " "	"
707	" " " " "	"
708	" " " " "	"
709	" " " " "	"
733	Sumburgh Head, South Mainland(site 2)	HU 408085
734	" " " " "	"
735	" " " " "	"
736	" " " " "	"
737	The Compass, Sumburgh, Mainland.	HU 407090
738	" " " " "	"
739	The Compass, Sumburgh, Mainland.	HU 407095
740	" " " " "	"
741	" " " " "	"
742	" " " " "	"
823	Sandness, Walls, Mainland.	HU 194572
824	" " " " "	"
825	" " " " "	"
828	" " " " "	"
833	Stanevatstoe Hill, Walls, Mainland.	HU 209553
834	" " " " "	"
835	" " " " "	"
836	" " " " "	"
849	Bridge of Walls, Walls, Mainland.	HU 273514
850	" " " " "	"

RELEVE NO.LOCATION.GRID REF.

907	Roga Field, North Mainland.	HU 323838
908	" " " "	"
909	" " " "	"
912	" " " "	"
913	" " " "	"
914	" " " "	"
915	" " " "	"
916	" " " "	"
917	" " " "	"
918	" " " "	"
921	Collafirth Hill, North Mainland(site 1)	HU 330836
922	" " " " "	"
923	" " " " "	"
924	Collafirth Hill, North Mainland(site 2)	HU 333838
925	" " " " "	"
926	" " " " "	"
928	" " " " "	"
929	" " " " "	"
930	" " " " "	"
944	Mousa(east)	HU 464235
955	The Burr, Esha Ness, Mainland.	HU 216806

TABLE 5.8

Syntaxa: heath communities.

- 58: Polytrichum formosum heaths.
Nardo-Juncetum squarrosi.(5.8.2.1)
- 59: Wet heath.
Narthecio-Ericetum tetralicis.(5.8.2.2)
- 60: Sphagnum capillaceum community.
Empetrum-Rhytidiadelphus loreus Ass.
juncetosum squarrosi.(5.8.2.3.1)
- 61: Wet Rhacomitrium heath.
Erico-Sphagnetum magellanicum,
subass. Molinia caerulea.(5.8.2.3.2.p.p.)
- 62: Wet Rhacomitrium heath.
Erico-Sphagnetum magellanicum,
typical subassociation.(5.8.2.3.2.p.p.)
- 63: Wet Rhacomitrium heath.
Erico-Sphagnetum magellanicum,
subass. Cladonia uncialis.(5.8.2.3.2.p.p.)
- 64: Species poor Agrostis tenuis heaths.
Ericeto-Caricetum binervis.(5.8.2.4.1)
- 65: Carex pilulifera community.
Ericeto-Caricetum binervis, Shetland race.(5.8.2.4.2)
- 66: Maritime heaths - Plantago maritima nodum.
Ericeto-Caricetum binervis.(5.8.2.4.3)
- 67: Montane heaths.
Cladineto-Callunetum typicum(5.8.2.5.p.p.)
- 68: Montane heaths.
Cladineto-Callunetum sylvaticosum.(5.8.2.5.p.p.)
- 69: Montane heaths.
transitional nodum between Cladineto-Callunetum typicum
and Arctoeto-Callunetum.(5.8.2.5.p.p.)
- 70: Montane heaths.
Ericeto-Caricetum binervis,
subass. Viola riviniana.(5.8.2.5.p.p.)

- 71: Heath flushes - *Carex demissa* facies.
Pinguiculo-Caricetum dioicae. (5.8.2.6.p.p.)
- 72: Heath flushes - *Carex hostiana* facies.
Pinguiculo-Caricetum dioicae. (5.8.2.6.p.p.)

271	LECIDEA	GRANULOSA
272	LECIDIA	ULIGINOSA
273	EPILOBIUM	PALUSTRE
274	CIRRIPHYLLUM	PILIFERUM
275	PELLIA	FABBRONIANA
276	DICRANELLA	FUSESCENS
277	PHILONOTIS	FONTANA
278	FISSIDENS	TAXIFOLIUS
279	ANGELICA	SYLVESTRIS
280	WEISSIA	MICROCSTEMA
281	BARBULA	FALLAX
282	BARBULA	RECURVIROSTRA
283	EUPHRASIA	FOULAENSIS
284	POLYPODIUM	VULGARE
285	EUPHRASIA	CONFUSA
286	FRULLANIA	FRAGIFOLIA
287	PTYCOMITRIUM	POLYPHYLLUM
288	PARMELIA	GLABRATULA
289	SORBUS	AUCUPARIA
290	LONICERA	PERICLYMENUM
291	SALIX	AURITA
292	VICIA	SEPIUM

##-----##

211	RHIZOGEOCARPON	GEOGRAPHICUM
212	SPHAEROPHORUS	FRAGILIS
213	XANTHORIA	PARIETINA
214	PLEUROZIJUM	SCHREBERI
215	CAREX	ECHINATA
216	BARBILOPHOZIA	HATCHERI
217	CAMPYLOPUS	PYRIFORMIS
218	CAMPYLOPUS	BREVIPILUS
219	HYPNUM	TYPICUM
220	DROSER A	ROTUNDIFOLIA
221	ELEOCHARIS	PALUSTRIS
222	EQUISETUM	PALUSTRE
223	PEDICULARIS	SP
224	PEDICULARIS	PALUSTRIS
225	CAMPYLLIUM	STELLATUM
226	CEPHALOZIA	CONNIVENS
227	CERATODON	PURPUREUS
228	DICRANUM	FUSCESCENS
229	GYMNOCOLEA	INFLATA
230	LEPIDOZIA	PINNATA
231	MYLIA	ANOMOLA
232	PLAGIOTHECIUM	DENTICULATUM
233	SCAPANIA	UNDULATA
234	CLADONIA	STREPSILIS
235	CARDAMINE	PRATENSIS
236	EUPHRASIA	MICRANTHA
237	EUPHRASIA	SCOTTICA
238	GALIUM	PALUSTRE
239	GLAUX	MARITIMA
240	LYCHNIS	FLOSCUCULI
241	POLYGONUM	VIVIPARUM
242	POTENTILLA	PALUSTRIS
243	TRIGLOCHIN	PALUSTRIS
244	VERONICA	SP
245	ACROCLADIUM	CORDIFOLIUM
246	ACROCLADIUM	SARMENTOSUM
247	BRYUM	PSEUDOTRIQUETRUM
248	AMPHIDIUM	MOUGEOTII
249	ANOECTANGIUM	COMPACTUM
250	BRACHYTHECIUM	PLUMULOSUM
251	OXALIS	ACETOSELLA
252	ACROCLADIUM	STRAMINEUM
253	CALYPOGEIA	MUELLERANA
254	CRATONEURON	FILICINUM
255	CTENIDIUM	MOLLUSCUM
256	HOKKERIA	LUCENS
257	ISOTHECIUM	MYOSUROIDES
258	LEPIDOZIA	REPTANS
259	LEPIDOZIA	SETACEA
260	MNIUM	MARGINATUM
261	PLAGIOTHECIUM	DENTICULATUM
262	POLYTRICHUM	COMMUNE
263	PTILIDIUM	CILIARE
264	SPHAGNUM	FIMBRIATUM
265	CLADONIA	ARBUSCULA
266	CLADONIA	FLOERKEANA
267	CLADONIA	PITYREA
268	CLADONIA	SP
269	CORSICUM	VIRIDE
270	CORNICULARIA	ACULEATA

151	PELLIA	EPIPHYLLA
152	PELLIA	NEESIANA
153	PLAGIOCHILA	ASPLENIOIDES
154	PLAGIOTHECIUM	UNDULATUM
155	PLEUROZIA	PURPUREA
156	POHLIA	NUTANS
157	POLYTRICHUM	FORMOSUM
158	POLYTRICHUM	GRACILE
159	POLYTRICHUM	JUNIPERINUM
160	POLYTRICHUM	PILIFERUM
161	PSEUDOPSCOLOPDIUM	PURUM
162	RADULA	COMPLANATA
163	RHACOMITRIUM	ACICULARE
164	RHACOMITRIUM	CANESCENS
165	RHACOMITRIUM	FASCICULARE
166	RHACOMITRIUM	HETEROSTICHUM
167	RHACOMITRIUM	LANUGINOSUM
168	RHYTIDIADELPHUS	LORELS
169	RHYTIDIADELPHUS	SQUARROSUS
170	RICCARDIA	PINGUIS
171	SACCOGYNA	VITICULOSA
172	SCAPANIA	GRACILIS
173	SCORPIDIUM	SCORPIOIDES
174	SOLENOSTOMA	TRISTE
175	SPHAGNUM	AURICULATUM
176	SPHAGNUM	CAPILLACEUM
177	SPHAGNUM	CUSPIDATUM
178	SPHAGNUM	INUNDATUM
179	SPHAGNUM	PALUSTRE
180	SPHAGNUM	PAPILLOSUM
181	SPHAGNUM	PLUMULOSUM
182	SPHAGNUM	RECURVUM
183	SPHAGNUM	RUBELLUM
184	THUIDIUM	TAMARISCINUM
185	TRICHOSTOMUM	BRACHYDONTIUM
186	TORTELLA	TORTUOSA
187	ULOTA	PHYLLANTHA
188	WEISSIA	SP
189	CETRARIA	ISLANDICA
190	CLADONIA	CERVICORNIS
191	CLADONIA	CHLOROPHOEA
192	CLADONIA	COCCIFERA
193	CLADONIA	CRISPATA
194	CLADONIA	FURCATA
195	CLADONIA	GRACILIS
196	CLADONIA	IMPEXA
197	CLADONIA	PYXIDATA
198	CLADONIA	RANGIFORMIS
199	CLADONIA	SUBCERVICORNIS
200	CLADONIA	TENUIS
201	CLADONIA	UNCIALIS
202	CLADONIA	SP
203	CORNICULARIA	MURICATA
204	LEPRARIA	INCANA
205	MICARIA	LIGNARIA
206	OCHRORLECHIA	FRIGIDA
207	PARMELIA	OMPHALOIDES
208	PARMELIA	SAXATILIS
209	PELTIGERA	CANINA
210	RAMALINA	SUBFARINACEA

091	TARAXACUM	SPECTABILE
092	THALICTRUM	ALPINUM
093	THYMUS	DRUCEI
094	TRICHOPHORUM	CESPITOSUM
095	TRIFOLIUM	PRATENSE
096	TRIFOLIUM	REPENS
097	VACCINIUM	MYRTILLUS
098	VIOLA	PALUSTRIS
099	VIOLA	RIVINIANA
100	BLECHNUM	SPICANT
101	POLYPODIUM	VULGARE
102	LYCOPODIUM	CLAVATUM
103	LYCOPODIUM	SELAGO
104	SELAGINELLA	SELAGINOIDES
105	ACROCLADIUM	CUSPIDATUM
106	AULACOMNIUM	PALUSTRE
107	BARBILOPHOZIA	FLOERKEI
108	BLINDIA	ACUTA
109	BRACHYTHECIUM	RUTABULUM
110	BRACHYTHECIUM	VELUTINUM
111	BREUTELIA	CHRYSOCOMA
112	BRYUM	BCNHORMENSE
113	BRYUM	PALLENS
114	CALYPOGEIA	MUELLERANA
115	CAMPTOTHECIUM	LUTESCENS
116	CAMPTOTHECIUM	SERICIUM
117	CAMPYLOPLS	ATROVIRENS
118	CAMPYLOPUS	FLEXUOSUS
119	CAMPYLOPUS	SP
120	CEPHALOZIA	RICUSPIDATA
121	CEPHAPHAROZIELLA	SP
122	DICRANELLA	HETEROMALLA
123	DICRANUM	BONJEANI
124	DICRANUM	MAJUS
125	DICRANUM	SCOPARIUM
126	DIPLOPHYLLUM	ALBICANS
127	DISTICHUM	INCLINATUM
128	DREPANOCLADUS	REVOLVENS
129	EURYNCHIUM	PRAELONGUM
130	FISSIDENS	ADIANTHOIDES
131	FRULLANIA	GERMANA
132	FRULLANIA	TAMARISCI
133	GYMNOMITRIUM	CONCINNATUM
134	HYLOCOMIUM	SPLENDENS
135	HYPNUM	CUPRESSIFORME
136	HYPNUM	ERICETORUM
137	HYPNUM	RESUPINATUM
138	LEJEUNEA	LAMACERINA
139	LEUCOBRYUM	GLAUCUM
140	LOPHOCOLEA	CUSPIDATA
141	LOPHOZIA	VENTRICOSA
142	MARSUPELLA	EMARGINATA
143	METZGERIA	FURCATA
144	MNIUM	HORNUM
145	MNIUM	PUNCTATUM
146	MNIUM	UNDULATUM
147	MYLIA	TAYLORI
148	NARDIA	SCALARIS
149	ODONTOSCHISMA	SPHAGNI
150	OLIGOTRICHUM	HERCYNICUM

031	DACTYLORCHIS	ERICETORUM
032	DACTYLORCHIS	PURPURELLA
033	DESCHAMPSIA	FLEXUGSA
034	ELEOCHARIS	QUINQUEFLORA
035	EMPETRUM	NIGRUM
036	ERICA	CINEREA
037	ERICA	TETRALIX
038	ERIOPHORUM	ANGUSTIFOLIUM
039	ERIOPHORUM	VAGINATUM
040	EUPHRASIA	OSTENFELDII
041	EUPHRASIA	SP
042	FESTUCA	RUBRA
043	FESTUCA	VIVIPARA
044	GALIIUM	SAXATILE
045	GENTIANELLA	SP
046	HIERACIUM	SP
047	HOLCUS	LANATUS
048	HYDROCOTYE	VULGARIS
049	HYPERICUM	PULCHRUM
050	JASIGNE	MGNTANA
051	JUNCUS	ARTICULATUS
052	JUNCUS	KOCHII
053	JUNCUS	SQUARROSUS
054	LEONTODON	AUTUMNALIS
055	LINUM	CATHARTICUM
056	LISTERA	CORDATA
057	LOISELEURIA	PROCUMBENS
058	LOTUS	CORNICULATUS
059	LUZULA	CAMPESTRIS
060	LUZULA	MULTIFLORA
061	LUZULA	PILOSA
062	MOLINIA	CAERULEA
063	NARDUS	STRICTA
064	NARTHECIUM	OSSIFRAGUM
065	PEDICULARIS	SYLVATICA
066	PINGUICULA	VULGARIS
067	PLANTAGO	CORONOPUS
068	PLANTAGO	LANCEOLATA
069	PLANTAGO	MARITIMA
070	POLYGALA	SERPYLLIFOLIA
071	POLYGALA	VULGARIS
072	POTENTILLA	ERECTA
073	PRUNELLA	VULGARIS
074	RANUNCULUS	ACRIS
075	RANUNCULUS	FLAMMULA
076	RHINANTHUS	MINOR
077	RUMEX	ACETOSA
078	SAGINA	NODOSA
079	SAGINA	PROCUMBENS
080	SAGINA	SUBULATA
081	SALIX	HERBACEA
082	SALIX	REPENS
083	SCHOENUS	NIGRICANS
084	SCILLA	VERNA
085	SIEGLINGIA	DECUMBENS
086	SENECIO	AQUATICUS
087	SILENE	ACAULIS
088	SILENE	MARITIMA
089	SOLIDAGO	VIRGAUREA
090	SUCCISA	PRATENSIS

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SPECIES LIST
=====

THE SPECIES REFERENCED IN THE TABLES
ARE HERE LISTED SEQUENTIALLY ACCORDING TO THEIR
REFERENCE NUMBERS. THIS LISTING SHOULD BE
CONSULTED IN CASES OF AMBIGUITY OR DOUBT AS TO
THE SPECIES REFERRED TO BY THE ABBREVIATIONS
IN THE TABLES.

.....

001	ACHILLEA	MILLEFOLIUM
002	AGROSTIS	CANINA
003	AGROSTIS	STOLONIFERA
004	AGROSTIS	TENUIS
005	AIRA	PRAECOX
006	ANTENNARIA	DIOICA
007	ANTHOXANTHUM	ODORATUM
008	ANTHYLLIS	VULNERARIA
009	ARCTOSTAPHYLOS	UVALSI
010	ARENARIA	NORVEGICA
011	ARMERIA	MARITIMA
012	BELLIS	PERENNIS
013	CALLUNA	VULGARIS
014	CARDAMINOPSIS	PETRAEA
015	CAREX	BIGELOWII
016	CAREX	BINERVIS
017	CAREX	DEMISSA
018	CAREX	DIOICA
019	CAREX	FLACCA
020	CAREX	HOSTIANA
021	CAREX	NIGRA
022	CAREX	PANICEA
023	CAREX	PILULIFERA
024	CAREX	PULICARIS
025	CERASTIUM	NIGRESCENS
026	CERASTIUM	HOLOSTEOIDES
027	CIRSIUM	VULGARE
028	COCHLEARIA	PYRENAICA
029	COELOGLOSSUM	VIRIDE
030	CYNOSURUS	CRISTATUS

##-----##
PHYTOSOCIOLOGICAL TABLE OUTPUT
=====

- (1) THE NUMBERS ACROSS THE TOP OF THE TABLE ARE THE SERIAL NUMBERS OF THE RELEVES (READING DOWNWARDS).
- (2) A MAXIMUM OF 55 RELEVES CAN BE PRINTED ACROSS ONE PAGE OF A TABLE. WHEN THE NUMBER INVOLVED IS GREATER THAN THIS THE SUBSEQUENT PAGES OF THE TABLE ARE PRINTED BELOW ONE ANOTHER. THESE CONTINUATION PAGES ARE READILY IDENTIFIED BY THE ABSENCE OF A TITLE (EXCEPT FOR THE TABLE NUMBER).
- (3) THE SPECIES NAMES AND REFERENCE NUMBERS ARE LISTED DOWN THE LEFT-HAND SIDE OF THE TABLE. IN CASE OF AMBIGUITY OR DOUBT AS TO THE SPECIES THEY REFER TO, CONSULT THE COMPLETE SPECIES LISTING AT THE END.
- (4) THE COVER-ABUNDANCE DATA ARE RECORDED IN THE TABLE. THE DEGREES OF COVER-ABUNDANCE REPRESENTED BY THE SYMBOLS ARE GIVEN IN THE TABLE OPPOSITE. DOTS, WHEN PRESENT, ARE EQUIVALENT TO BLANKS.
- (5) RARE SPECIES WITH ONLY FEW OCCURRENCES ARE PRINTED BENEATH THE TABLE. THE ACCOMPANYING NUMBERS INDICATE THE RELEVES IN WHICH THEY OCCURRED.
- (6) A LIST IS INCLUDED OF THE LOCATIONS AND GRID REFERENCES OF THE SITES. THERE IS ALSO A LIST OF THE SYNTAXA THAT ARE REPRESENTED IN THE TABLE AND REFERENCED BY NUMBERS WRITTEN ACROSS THE TOP.

THE RELEVES LISTED IN THE TABLE WERE MADE IN WHAT WAS SUBJECTIVELY ASSESSED TO BE HOMOGENEOUS VEGETATION (I.E. WELL WITHIN THE BOUNDARIES OF THE COMMUNITY). THEY ARE CONSIDERED TO BE REPRESENTATIVE OF THE NATURE OF THE PLANT COMMUNITY AS IT OCCURS AT THE SAMPLE SITE. NORMALLY THE QUADRAT SIZE USED WAS 2M. X 2M.

COVER-ABUNDANCE SCALE

SYMBOL	COVER / ABUNDANCE
5	80% - 100%
4	60% - 80%
3	40% - 60%
2	20% - 40%
1	1% - 20%
+	<1%
-	ADDITIONAL SPECIES

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##-----##

Main data table with columns 58-72 and rows of alphanumeric codes and binary values.

- ALSO: 11 ARME MARI 733 734 735 736
12 CARE BICE 917 915
15 CARGO GRIS 325 742 825
48 HYDR WULG 823 825
57 LCIS BRIC 149 856 828 665
74 RANU ACRI 825
80 SAGI SUIBU 102 322 323 316
89 SOLT VREG 218 322 323 316
101 RLUY VULG 695 516
112 BRAY RALL 130
120 CERPH BICU 370 316
124 EICR PAJU 179 955 737 315
136 LELE LARA 634
146 MNIU UNDU 335
153 PLAG ASPL 234 704
159 POLY EANE 245
171 SACC VITI 375 768 944
178 SPHA INUN 213 702 313 912
186 CORT TOL 118
204 LEPR INCA 218 316
207 PAEM CMPH 132
212 SPHA FRAG 132 758 704 315
218 CAMP STEL 112 665
220 GYWN INEL 213
222 PLAG DENT 371
226 EUPH MICR 216 130
258 LEET REPT 369
263 PTLI CILLI 664 211
267 CLAD PITY 375 374 315
271 LECE GRAN 909 323
281 BARF FALL 318
287 PTYC POLY 318
290 LONI PERI 323

- 12 BELL DEPE 834 825
19 CARE SP 318 322 323
46 LIMI CATH 104
61 LUZU PULO 316
70 SAGE AOKA 823 825 316
97 VACC WYRT 131 910 316
105 AGRO CUSP 106 826 321 835
111 AGRO ATRO 213 922 929 835
117 CIGR PETE 834 316
130 FISS ADIA 130 321
137 HYPN RESO 315 929 930
142 AGC HEPIC 630
150 PHUL RUTA 124 316
153 RHAC ACIC 316
156 RHAC HUP 926 918 930 129
175 TRIC BRAC 834 130
193 CLAD CHID 121 124
198 CLAD PANG 914
205 CAMP BYRI 735
210 CAMP BYRI 916 321
212 EQUI PALU 165 323 319
228 DICR RUSG 374 214
231 CLAD STRE 665
247 BRVO PSEU 323 124
256 HQOK LUCE 130
262 POLY CLUP 315 124
266 CLRN AGUL 46
275 PELL FARB 323
279 ANGE SYLV 318
290 FEUL AUUC 322
299 SORU AUCU 322

TABLE 5.7

BOG POOLS.

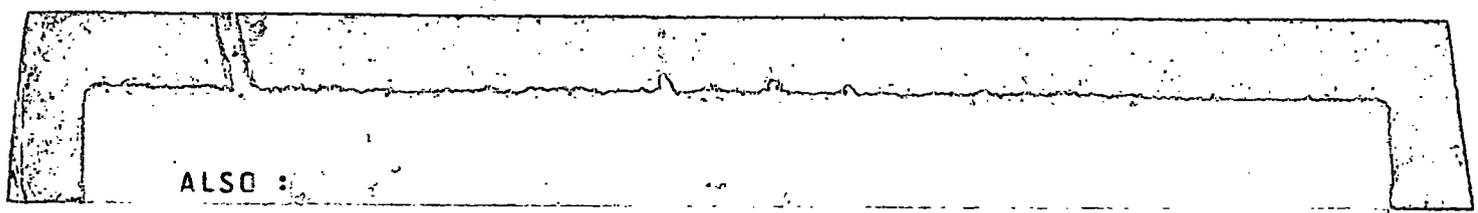
56					57							
9	2	3	1	1	3	4	3	0	3	0	1	0
1	5	6	0	7	4	3	1	8	7	9	0	0
9	8	2	4	2	2	8	4	8	2	2	9	8

28	ERIO	ANGU	1	1	1	+	+	2	1	1	+	1	+
138	SPHA	CUSP	2	2	2	4	2		5	4	3	2	1
41	JUNC	KOCH				1	1	1	+	1	1	1	
50	NARD	STRI	1	+	2	1	1	+	+	+	+	+	+
15	CARE	NIGR	1	1		+		1					

8	CALL	VULG	+	+	+	+		+			+		
51	NART	OSSI	1	1				+			-		
143	SPHA	PAPI	1	2	+		1						
42	JUNC	SQUA	1	+	2	2	+	+			+		
61	POTE	EREC	+	+	+	1	+	+			+		
12	CARE	ECHI				1	1				1		
109	LOPH	VENT	+	+		1							
3	AGRO	TENU	1	1	1	+							

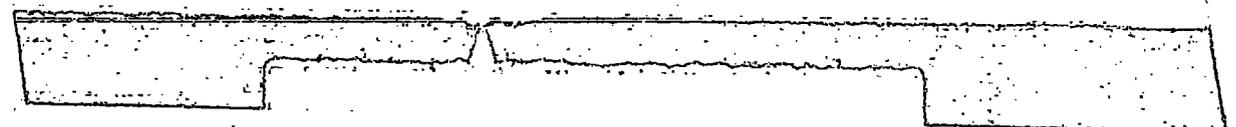
16	CARE	PANI				1	1	1	+	1	1		
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147	SPHA	AURI	1	1							1	2	
60	POTA	POLY				1	1	2					
75	VIOL	PALU			+	+					1		
111	MNIU	HORN	+	1		+							
142	SPHA	PALU		2			2					2	
148	SPHA	INUN	1	1		2							

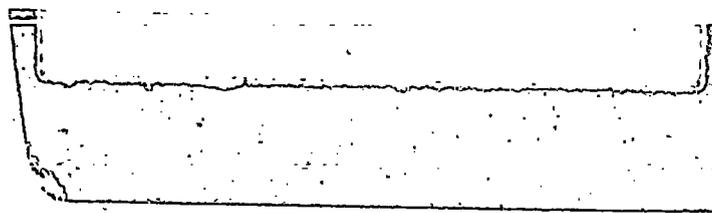


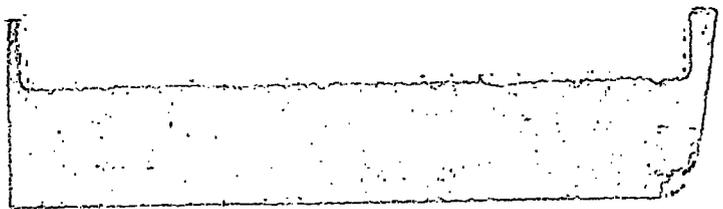
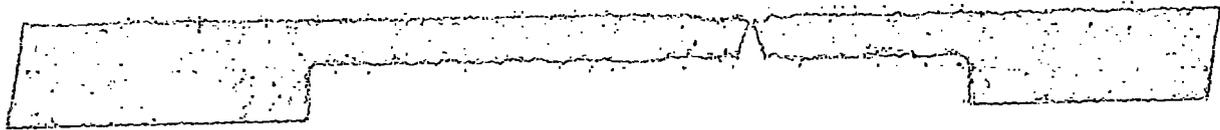
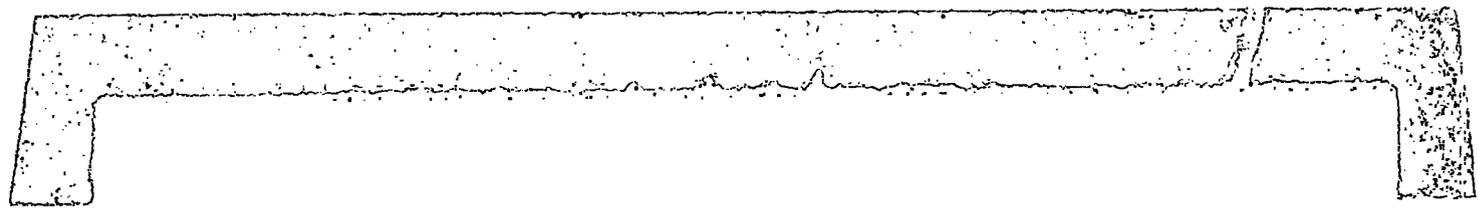
ALSO :

1	AGRO	CANI	372										
14	CARE	HOST	919										
24	EMPE	NIGR	258	362									
29	ERIO	VAGI	8										
34	FEST	VIVI	8										
49	MONT	FONT	438										
68	SUCC	PRAT	438										
86	CALY	MUEL	92										
96	DIPL	ALBI	92	104									
103	HYPN	CUPR	88	104									
118	ODON	SPHA	88	92									
127	POLY	COMM	172										
133	RHYT	LORE	362										
144	SPHA	PLUM	362	372									
152	LYCO	SELA	919										
193	ANOE	AEST	342										
2	AGRO	STOL	314	372									
21	DESC	FLEX	362										
25	EQUI	PALU	438										
30	EUPH	AGG	919										
40	JUNC	EFFU	104										
56	PING	VULG	342	438									
71	TRIC	CESP	92										
87	CAMP	FLEX	104										
97	DREP	REVO	342										
108	LOPH	BIDE	104	362									
119	PELL	EPIP	438										
129	POLY	JUNI	342	362									
135	RICC	PING	342										
145	SPHA	RECU	372										
182	LEON	AUTU	314										
196	CARE	LEPI	314										



11	CARE	DEMI	342	438									
22	DROS	ROTU	372										
27	ERIC	TETR	258										
33	FEST	RUBR	362										
47	MENT	AQUA	342										
63	RANU	FLAM	314	342									
81	AULA	PALU	258										
95	DICR	SCOP	8	362									
101	GYMN	INFL	8										
115	MYLI	ANOM	8										
124	PLAG	UNDU	8	362									
132	RHAC	LANU	919										
141	SPHA	CAPI	362	919									
146	SPHA	RUBE	258	362									
192	ACRO	STRA	342										





BLANKET BOG SITES

<u>RELEVE NO.</u>	<u>LOCATION</u>	<u>GRID REFERENCE</u>
006	Hill of Dale, Lerwick, Mainland	HU 441424
010	North Burn of Grimista, Lerwick, Mainland	HU 452433
013	Braewick, Esha Ness, Mainland	HU 253786
016	Ness Vird, North Mainland	HU 328765
086	Ladie Hill, Delting, Mainland	HU 365692
087	" " " "	"
089	Ladie Hill, Delting, Mainland	HU 363693
090	" " " "	"
091	Clothister Hill, North Mainland	HU 338733
093	" " " "	"
103	Hamars of Burraland, North Mainland	HU 333754
106	Caa Field, Esha Ness, Mainland	HU 245821
108	" " " "	"
110	Craagles Water, Esha Ness, Mainland	HU 252878
111	" " " "	HU 252878
116	Scora Field, Esha Ness, Mainland	HU259809
117	" " " "	"
118	The Roonans, North Mainland	HU 339787
119	" " " "	"
120	" " " "	"
122	Little Eela Water, North Mainland	HU 327770
123	" " " "	"
145	East Hill of Voe, Delting, Mainland	HU 408618
147	" " " "	"
148	" " " "	"
149	Pettadale, Central Mainland	HU 415583
150	" " " "	"
151	" " " "	"
152	" " " "	"
153	" " " "	"
154	Burn of Crookadale (south), Nesting, Mainland	HU 427546
155	" " " "	"
156	" " " "	"
158	Burn of Crookadale (north), Nesting, Mainland	HU 426522
159	" " " "	"
160	Vatster, Tingwall, Mainland	HU 424491
161	" " " "	"
162	" " " "	"
163	" " " "	"
171	Burn of Tactigill, Weisdale, Mainland	HU 372511
173	" " " "	"
176	Mossbank, Delting, Mainland	HU 445746
177	" " " "	"
253	Brough, Toft, Delting, Mainland (site 1)	HU 428779
254	" " " "	"
255	" " " "	"
256	" " " "	"
257	" " " "	"
260	Brough, Toft, Delting, Mainland (site 2)	HU 32777
261	" " " "	"
320	Burn of Valayre, Delting, Mainland	HU 374692
327	Burn of Valayre, Delting, Mainland	HU 368694
329	Burn of Valayre, Delting, Mainland	HU 368695
339	Brunt Hamarsland, Mainland	HU 438519
340	" " " "	"
343	" " " "	"
344	" " " "	"
437	Laxo, Nesting, Mainland	HU 446635

785	Loch of Brow, South Mainland	HU 381159
837	Stanevatstoe Hill, Walls, Mainland	HU 209553
910	Roga Field, North Mainland	HU 323838
920	Collafirth Hill, North Mainland (site 1)	HU 330836

BOG POOL SITES

<u>RELEVE NO.</u>	<u>LOCATION</u>	<u>GRID REFERENCE</u>
008	Ladies Drive, Lerwick, Mainland	HU 447425
088	Ladie Hill, Delting, Mainland	HU 365692
092	Clothister Hill, North Mainland	HU 338733
104	Hamars of Burriland, North Mainland	HU 333754
109	Caa Field, Esha Ness, Mainland	HU 245821
172	Burn of Tactigill, Weisdale, Mainland	HU 372511
258	Brough, Toft, Delting, Mainland (site 1)	HU 428779
314	Bruntland, Bressay	HU 515428
342	Brunt Hamarsland, Mainland	HU 438519
362	Fugla Water, Lunna Ness, Mainland	HU 505721
372	Loch of Setterness, Lunna Ness, Mainland	HU 487697
438	Laxo, Nesting, Mainland	HU 446635
919	Roga Field, North Mainland	HU 323838

TABLE 5.6

Syntaxa: blanket bog communities.

- 51: *Juncus squarrosus* community.
Ericeto-Caricetum binervis.(5.6.2.1)
- 52: *Calluna vulgaris* community.
Empetrum-Rhytidiadelphus loreus Ass.,
rhaomitretosum lanuginosi, *Listera* - *Pleurozia* variant.
(5.6.2.2)
- 53: *Erica tetralix* community, *Sphagnum capillaceum* facies.
Empetrum - Rhytidiadelphus loreus Ass., rhaomitretosum
lanuginosi, typical variant.(5.6.2.3.1)
- 54: *Erica tetralix* community, *Molinia caerulea* facies.
Erico-Sphagnetum magellanici, subass. *Molinia*
caerulea.(5.6.2.3.2)
- 55: *Pleurozia purpurea* community.
Pleurozia purpurea-*Erica tetralix* Ass.(5.6.2.4)

TABLE 5.7

Syntaxa: bog pool communities.

- 56: Herb rich pools - *Nardus stricta* nodum.
Rhynchosporion albae.(5.7.2.1)
- 57: Blanket bog pools - *Carex panicea* nodum.
Rhynchosporion albae.(5.7.2.2)

PHYTOSOCIOLOGICAL TABLE OUTPUT
=====

- (1) THE NUMBERS ACROSS THE TOP OF THE TABLE ARE THE SERIAL NUMBERS OF THE RELEVES (READING DOWNWARDS).
- (2) A MAXIMUM OF 55 RELEVES CAN BE PRINTED ACROSS ONE PAGE OF A TABLE. WHEN THE NUMBER INVOLVED IS GREATER THAN THIS THE SUBSEQUENT PAGES OF THE TABLE ARE PRINTED BELOW ONE ANOTHER. THESE CONTINUATION PAGES ARE READILY IDENTIFIED BY THE ABSENCE OF A TITLE (EXCEPT FOR THE TABLE NUMBER).
- (3) THE SPECIES NAMES AND REFERENCE NUMBERS ARE LISTED DOWN THE LEFT-HAND SIDE OF THE TABLE. IN CASE OF AMBIGUITY OR DOUBT AS TO THE SPECIES THEY REFER TO, CONSULT THE COMPLETE SPECIES LISTING AT THE END.
- (4) THE COVER-ABUNDANCE DATA ARE RECORDED IN THE TABLE. THE DEGREES OF COVER-ABUNDANCE REPRESENTED BY THE SYMBOLS ARE GIVEN IN THE TABLE OPPOSITE. CGTS, WHEN PRESENT, ARE EQUIVALENT TO BLANKS.
- (5) RARE SPECIES WITH ONLY FEW OCCURRENCES ARE PRINTED BENEATH THE TABLE. THE ACCOMPANYING NUMBERS INDICATE THE RELEVES IN WHICH THEY OCCURRED
- (6) A LIST IS INCLUDED OF THE LOCATIONS AND GRID REFERENCES OF THE SITES. THERE IS ALSO A LIST OF THE SYNTAXA THAT ARE REPRESENTED IN THE TABLE AND REFERENCED BY NUMBERS WRITTEN ACROSS THE TOP.

THE RELEVES LISTED IN THE TABLE WERE MADE IN WHAT WAS SUBJECTIVELY ASSESSED TO BE HOMOGENEOUS VEGETATION (I.E. WELL WITHIN THE BOUNDARIES OF THE COMMUNITY). THEY ARE CONSIDERED TO BE REPRESENTATIVE OF THE NATURE OF THE PLANT COMMUNITY AS IT OCCURS AT THE SAMPLE SITE. NORMALLY THE QUADRAT SIZE USED WAS 2M. X 2M.

COVER-ABUNDANCE SCALE

SYMBOL	COVER / ABUNDANCE
5	80% - 100%
4	60% - 80%
3	40% - 60%
2	20% - 40%
1	1% - 20%
+	<1%
-	ADDITIONAL SPECIES

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DURHAM UNIVERSITY.

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SPECIES LIST
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THE SPECIES REFERENCED IN THE TABLES
ARE HERE LISTED SEQUENTIALLY ACCORDING TO THEIR
REFERENCE NUMBERS. THIS LISTING SHOULD BE
CONSULTED IN CASES OF AMBIGUITY OR DOUBT AS TO
THE SPECIES REFERRED TO BY THE ABBREVIATIONS
IN THE TABLES.

.....

001	AGROSTIS	CANINA
002	AGROSTIS	STOLONIFERA
003	AGROSTIS	TENUIS
004	AIRA	PRAECOX
005	ALOPECURUS	GENICULATUS
006	ANTHOXANTHUM	ODORATUM
007	BLECHNUM	SPICANT
008	CALLUNA	VULGARIS
009	CARDAMINE	PRATENSIS
010	CAREX	BINERVIS
011	CAREX	DEMISSA
012	CAREX	ECHINATA
013	CAREX	FLACCA
014	CAREX	HOSTIANA
015	CAREX	NIGRA
016	CAREX	PANICEA
017	CAREX	PILULIFERA
018	CERASTIUM	HOLOSTEOIDES
019	CIRSIIUM	VULGARE
020	DACTYLORCHIS	ERICETORUM
021	DESCHAMPSIA	FLEXUOSA
022	DROSERA	ROTUNDIFOLIA
023	DRYOPTERIS	DILITATA
024	EMPETRUM	NIGRUM
025	EQUISETUM	PALUSTRE
026	ERICA	CINEREA
027	ERICA	TETRALIX
028	ERIOPHORUM	ANGUSTIFOLIUM
029	ERIOPHORUM	VAGINATUM
030	EUPHRASIA	AGG

031	EUPHRASIA	FRIGIDA
032	EUPHRASIA	SCOTTICA
033	FESTUCA	RUBRA
034	FESTUCA	VIVIPARA
035	GALIUM	SAXATILE
036	GALIUM	VERUM
037	HOLCUS	LANATUS
038	HYDROCOTYLE	VULGARIS
039	JUNCUS	CONGLOMERATUS
040	JUNCUS	EFFUSUS
041	JUNCUS	KOCHII
042	JUNCUS	SQUARROSUS
043	LISTERA	CORDATA
044	LUZULA	MULTIFLORA
045	LUZULA	PILOSA
046	LUZULA	SYLVATICA
047	MENTHA	AQUATICA
048	MOLINIA	CAERULEA
049	MONTIA	FONTANA
050	NARDUS	STRICTA
051	NARTHECIUM	OSSIFRAGUM
052	OXALIS	ACETOSELLA
053	PEDICULARIS	CH
054	PEDICULARIS	PALUSTRIS
055	PEDICULARIS	SYLVATICA
056	PINGUICULA	VULGARIS
057	PLANTAGO	LANCEOLATA
058	POTENTILLA	PALUSTRIS
059	POLYGALA	SERPYLLIFOLIA
060	POTAMOGETON	POLYGGONIFOLIUS
061	POTENTILLA	ERECTA
062	PRUNELLA	VULGARIS
063	RANUNCULUS	FLAMMULA
064	RUMEX	ACETOSA
065	SAGINA	PROCUMBENS
066	SCILLA	VERNA
067	SIEGLINGIA	DECUMBENS
068	SUCCISA	PRATENSIS
069	THALICTRUM	ALPINUM
070	THYMUS	DRUCEI
071	TRICOPHORUM	CESPITOSUM
072	TRIFOLIUM	REPENS
073	TRIGLOCHIN	PALUSTRIS
074	VACCINIUM	MYRTILLUS
075	VIOLA	PALUSTRIS
076	VIOLA	RIVINIANA
077	ACROCLADIUM	CORDIFOLIUM
078	ACROCLADIUM	CUSPIDATUM
079	ACROCLADIUM	SARMENTOSUM
080	ATRICHUM	UNDULATUM
081	AULACOMNIUM	PALUSTRE
082	BARBILOPHOZIA	FLGERKII
083	BAZZANIA	TRILOBATA
084	BRYUM	PSEUDOTRIQUETRUM
085	CALYPOGEIA	FISSA
086	CALYPOGEIA	MUELLERANA
087	CAMPYLOPUS	FLEXUOSUS
088	CEPHALOZIA	BICUSPIDATA
089	CEPHALOZIA	CONNIVENS
090	CEPHALOZIA	MEDIA

091	CEPHALOZIELLA	HAMPEANA
092	CTENIDIUM	MOLLUSCUM
093	DICRANUM	BONJEANII
094	DICRANUM	MAJUS
095	DICRANUM	SCOPARIUM
096	DIPLOPHYLLUM	ALBICANS
097	DREPANOCLADUS	REVOLVENS
098	EURYNCHIUM	PRAELONGUM
099	FRULLANIA	GERMANA
100	FRULLANIA	TAMARISCINUM
101	GYMNOCOLEA	INFLATA
102	HYLOCOMIUM	SPLENDENS
103	HYPNUM	CUPRESSIFORME
104	HYPNUM	ERICETORUM
105	LEPIDOZIA	REPTANS
106	LEPIDOZIA	SETACEA
107	LEPIDOZIA	PINNATA
108	LOPHOCOLEA	BIDENTATA
109	LOPHOZIA	VENTRICGSA
110	MARSUPELLA	EMARGINATA
111	MNIUM	HORNUM
112	MNIUM	MARGINATUM
113	MNIUM	PUNCTATUM
114	MNIUM	UNDULATUM
115	MYLIA	ANOMALA
116	MYLIA	TAYLORI
117	NARDIA	SCALARIS
118	ODONTOSCHISMA	SPHAGNI
119	PELLIA	EPIPHYLLA
120	PHILONOTIS	FONTANA
121	PLAGIOCHILA	ASPLENIOIDES
122	PLAGIOCHILA	SP
123	PLAGIOTHECIUM	DENTICULATUM
124	PLAGIOTHECIUM	UNDULATUM
125	PLEUROZIA	PURPUREA
126	PLEUROZIUM	SCHREBERI
127	POLYTRICHUM	COMMUNE
128	POLYTRICHUM	FORMOSUM
129	POLYTRICHUM	JUNIPERINUM
130	POTTIA	HEIMIT
131	PTILIDIUM	CILIARE
132	RHACGMITRIUM	LANUGINOSUM
133	RHYTIDIADDELPHUS	LOREUS
134	RHYTIDIADDELPHUS	SQUARROSUS
135	RICCARDIA	PINGUIS
136	SCAPANIA	GRACILIS
137	SOLENOSTOMA	CRENULATUM
138	SPHAGNUM	CUSPIDATUM
139	SPHAGNUM	FIMBRIATUM
140	SPHAGNUM	MAGELLANICUM
141	SPHAGNUM	CAPILLACEUM
142	SPHAGNUM	PALUSTRE
143	SPHAGNUM	PAPILLOSUM
144	SPHAGNUM	PLUMULOSUM
145	SPHAGNUM	RECURVUM
146	SPHAGNUM	RUBELLUM
147	SPHAGNUM	AURICULATUM
148	SPHAGNUM	INUNCATUM
149	SPHAGNUM	TENELLUM
150	THUIDIUM	TAMARASCINUM

151	PELTIGERA	CANINA
152	LYCOPODIUM	SELAGO
153	SELAGINELLA	SELAGINOIDES
154	CETRARIA	ISLANDICA
155	CLADONIA	ARBUSCULA
156	CLADONIA	CHLOROPHAEA
157	CLADONIA	COCCIFERA
158	CLADONIA	FURCATA
159	CLADONIA	GRACILIS
160	CLADONIA	IMPEXA
161	CLADONIA	MURCATA
162	CLADONIA	PITYREA
163	CLADONIA	PYXICATA
164	CLADONIA	UNCIALIS
165	CLADONIA	STREPSILIS
166	CLADONIA	SUBCERVICORNIS
167	CLADONIA	TENUIS
168	CLADONIA	SP
169	CORISCIMUM	VIRIDE
170	CORNICULARIA	MURICATA
171	OCHROLECHIA	FRIGIDE
172	SPHAEROPHORUS	FRAGILIS
173	FRULLANIA	DILITATA
174	CLADONIA	SQUARROSA
175	CAREX	PULICARIS
176	RANUNCULUS	ACRIS
177	PELLIA	FABBRONIANA
178	BRACHYTHECIUM	RUTABULUM
179	PELLIA	SP
180	BREUTELIA	CHRYSOCOMA
181	SACCOGYNA	VITICULOSA
182	LEONTODON	AUTUMNALIS
183	DREPANOCLADUS	FLUITANS
184	ELEOCHARIS	QUINQUEFLORA
185	CAREX	DIOICA
186	POTAMOGETON	SP
187	TARAXACUM	SP
188	CAMPYLIIUM	STELLATUM
189	BRYUM	PALLENS
190	CAMPYLOPUS	ATROVIRENS
191	CEPHALOZIELLA	RUBELLA
192	ACROCLADIUM	STRAMINIUM
193	ANDECTANGIUM	AESTIVUM
194	RICCARRDIA	SINUATA
195	JUNCUS	ARTICULATUS
196	CAREX	LEPIDOCARPA
197	PLANTAGO	MARITIMA
198	ELEOCHARIS	MULTICAULIS
199	PELLIA	NEESIANA

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PEDICULARIS
SALIX
CAREX
GLYCERIA
MYOSOTIS
PEDICULARIS
SCHOENUS
TARAXACUM
BLINDIA
CALPOGEIA
CRATONEURON
CAREX
PELLIA
HYPNUM
HYPNUM
CERATODON
CAMPTOTHECIUM
CEPHALOZIELLA

PALUSTRIS
REPENS
HOSTIANA
FLUITANS
CAESPITOSA
PALUSTRIS
NIGRICANS
SPECTABILE
ACUTA
FISSA
FALCATUM
SP.
FABBRONIANA
RESUPINATUM
LACUNOSUM
PURPUREUS
SERICEUM
SP

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211	PHILONOTIS	FGNTANA
212	PLAGIOCHILA	ASPLENIGIDES
213	PLAGIOTHECIUM	DENTICULATUM
214	PLAGIOTHECIUM	UNDULATUM
215	PLEUROZIUM	SCHREBERI
216	POLYTRICHUM	COMMUNE
217	POLYTRICHUM	FORMOSUM
218	POLYTRICHUM	GRACILE
219	POLYTRICHUM	JUNIPERINUM
220	POLYTRICHUM	NANUM
221	POTTIA	HEIMII
222	PSEUDOSCLEROPODIUM	PURUM
223	PTILIDIUM	CILIARE
224	RHACOMITRIUM	CANESCENS
225	RHACOMITRIUM	LANUGINOSUM
226	RHYTIDIADELPHUS	LOREUS
227	RHYTIDIADELPHUS	SQUARROSUS
228	RICCARDIA	PINGUIS
229	SACCOGYNA	VITICULOSA
230	SCAPANIA	GRACILIS
231	SCORPIDIUM	SCORPIDIOIDES
232	SOLENOSTOMA	PUMILUM
233	SOLENOSTOMA	TRISTE
234	SPHAGNUM	CAPILLACEUM
235	SPHAGNUM	CUSPICATUM
236	SPHAGNUM	PALUSTRE
237	SPHAGNUM	PAPILLOSUM
238	SPHAGNUM	PLUMULOSUM
239	SPHAGNUM	RUBELLUM
240	SPHAGNUM	INDUNDATUM
241	THUIDIUM	TAMARISCINUM
242	TORTELLA	TORTUOSA
243	TORTULA	RURALIFORMIS
244	TRICHOSTOMUM	BRACHYDENTIUM
245	TRICHOSTOMUM	CRISPULUM
246	ULOTA	PHYLLANTHA
247	WEISSIA	SP
248	ANAPTYCHIA	FURCA
249	CLADONIA	SP
250	CLADONIA	FURCATA
251	CLADONIA	IMPEXA
252	CLADONIA	PYXIDATA
253	CLADONIA	RANGIFORMIS
254	CLADONIA	SUBCERVICORNIS
255	CLADONIA	TENUIS
256	COLLEMA	AURICULATUM
257	LECARNORA	ATRA
258	PARMELIA	SAXATILIS
259	PARMELIA	SULCATA
260	PELTIGERA	CANINA
261	PHYSICIA	SP
262	RAMALINA	SILIGUOSA
263	XANTHORIA	PARIETINA
264	SOLIDAGO	VIRGAUREA
265	LOPHOZIA	VENTRICOSA
266	TARAXACUM	SPECTABILE
267	POLYTRICHUM	PILIFERUM
268	CERASTIUM	ATROVIRENS
269	RUMEX	ACETOSELLA
270	ASTER	TRIPOLIUM

151	VIOLA	RIVINIANA
152	DRYOPTERIS	DILATATA
153	PTERIDIUM	AQUILINUM
154	SELAGINELLA	SELAGINGIDES
155	ACROCLADIUM	CUSPIDATUM
156	AMBLYSTEGIUM	SERPENS
157	AULACOMNIUM	PALUSTRE
158	BARBILOPHOZIA	FLOERKII
159	BARBULA	CONVOLUTA
160	BARBULA	FALLAX
161	BARBULA	RECURVIROSTRA
162	BARBULA	UNGUICULATA
163	BRACHYTHECIUM	ALBICANS
164	BRACHYTHECIUM	RIVULARE
165	BRACHYTHECIUM	RUTABULUM
166	BREUTELIA	CHRYSOCOMA
167	BRYUM	SP
168	BRYUM	CAPILLARE
169	BRYUM	PALLENS
170	BRYUM	PSEUDOTRIQUETRUM
171	CALYPOGEIA	MUELLERANA
172	CAMPTOTHECIUM	LUTESCENS
173	CAMPYLIIUM	CHRYSOPHYLLUM
174	CAMPYLIIUM	STELLATUM
175	CAMPYLOPUS	ATROVIRENS
176	CEPHALOZIA	CONNIVENS
177	CHILOSCYPHUS	POLYANTHUS
178	CRATONEURON	FILICINUM
179	CTENIDIUM	MOLLUSCUM
180	DICRANELLA	HETEROMALLA
181	DICRANUM	BONJEANII
182	DICRANUM	SCOPARIUM
183	DIPLOPHYLLUM	ALBICANS
184	DREPANOCLADUS	REVOLVENS
185	EURYNCHIUM	PRAELONGUM
186	FISSIDENS	ADIANTHOIDES
187	FISSIDENS	TAXIFOLIUS
188	FONTINALIS	ANTIPIRETICA
189	FRULLANIA	FRAGILIFOLIA
190	FRULLANIA	GERMANA
191	FRULLANIA	TAMARISCI
192	GRIMMIA	MARITIMA
193	HYPNUM	CUPRESSIFORME
194	HYPNUM	ERICETORUM
195	HYLOCOMIUM	SPLENDENS
196	ISOETHECIUM	MYOSUROIDES
197	LEJEUNEA	LAMACERINA
198	LEJEUNEA	PATENS
199	LOPHOCOLEA	CUSPIDATA
200	MARCHANTIA	POLYMORPHA
201	METZGERIA	FURCATA
202	MNIUM	HORNUM
203	MNIUM	LONGIROSTRUM
204	MNIUM	MARGINATUM
205	MNIUM	PUNCTATUM
206	MNIUM	UNDULATUM
207	NARDIA	SCALARIS
208	ORTHOTRICHUM	ANOMALUM
209	PELLIA	EPIPHYLLA
210	PELLIA	NEESIANA

091	LYCHNIS	FLOS-CUCULI
092	MOLINIA	CAERULEA
093	MONTIA	FGNTANA
094	MYOSOTIS	DISCOLOR
095	MYOSOTIS	SECUNDA
096	NARDUS	STRICTA
097	NARTHECIUM	OSSIFRAGUM
098	PARNASSIA	PALUSTRIS
099	PEDICULARIS	SYLVATICA
100	PHALARIS	ARUNDINACEA
101	PINGUICULA	VULGARIS
102	PLANTAGO	CORONOPUS
103	PLANTAGO	LANCEOLATA
104	PLANTAGO	MAJOR
105	PLANTAGO	MARITIMA
106	POA	ANNUA
107	POA	SUBCAERULEA
108	POA	TRIVIALIS
109	POLYGALA	SERPYLLIFOLIA
110	POLYGALA	VULGARIS
111	POTENTILLA	ANSERINA
112	POTENTILLA	ERECTA
113	POTENTILLA	PALUSTRIS
114	PRIMULA	VULGARIS
115	PRUNELLA	VULGARIS
116	PUCCINELLIA	CAPILLARIS
117	PUCCINELLIA	MARITIMA
118	RANUNCULUS	ACRIS
119	RANUNCULUS	FIGARIA
120	RANUNCULUS	FLAMMULA
121	RANUNCULUS	REPENS
122	RHINANTHUS	MINOR
123	RUMEX	ACETOSA
124	RUMEX	CRISPUS
125	RUMEX	LONGIFOLIUS
126	SAGINA	NODOSA
127	SAGINA	PROCUMBENS
128	SCILLA	VERNA
129	SIEGLINGIA	DECUMBENS
130	SENECIO	AQUATIUS
131	SILENE	ACAULIS
132	STACHYS	PALUSTRIS
133	STELLARIA	ALSINE
134	STELLARIA	MEDIA
135	SUCCISA	PRATENSIS
136	TARAXACUM	OFFICINALE
137	THALICTRUM	ALPINUM
138	THYMUS	DRUCEI
139	TRICHOPHORUM	CESPITOSUM
140	TRIFOLIUM	PRATENSE
141	TRIFOLIUM	REPENS
142	TRIGLOCHIN	MARITIMA
143	TRIGLOCHIN	PALUSTRIS
144	TRIPLEURGSPERMUM	MARITIMUM
145	URTICA	DIOICA
146	VERONICA	SP
147	VERONICA	OFFICINALIS
148	VERONICA	SERPYLLIFOLIA
149	VICIA	CRACCA
150	VIOLA	PALUSTRIS

031	CAREX	PILULIFERA
032	CAREX	PULICARIS
033	CAREX	SEROTINA
034	CERASTIUM	HOLOSTEOIDES
035	CIRSIUM	ARVENSE
036	CIRSIUM	PALUSTRE
037	CIRSIUM	VULGARE
038	COCHLEARIA	OFFICINALIS
039	CYNOSURUS	CRISTATUS
040	DACTYLIS	GLOMERATA
041	DACTYLORCHIS	ERICETORUM
042	DACTYLORCHIS	PURPURELLA
043	DESCHAMPSIA	CAESPITOSA
044	DESCHAMPSIA	FLEXUOSA
045	DROSERA	ROTUNDIFOLIA
046	ELEOCHARIS	QUINQUEFLORA
047	ELYMUS	ARENARIUS
048	EMPETRUM	NIGRUM
049	EPILOBIUM	PALUSTRE
050	EQUISETUM	ARVENSE
051	EQUISETUM	PALUSTRE
052	ERIOPHORUM	ANGUSTIFOLIUM
053	EUPHRASIA	AGG
054	EUPHRASIA	CONFUSA
055	EUPHRASIA	FOULAENSIS
056	EUPHRASIA	MICRANTHA
057	EUPHRASIA	SCOTTICA
058	FESTUCA	RUBRA
059	FESTUCA	VIVIPARA
060	FILIPENDULA	ULMARIA
061	GALIUM	SAXATILE
062	GALIUM	VERUM
063	GENTIANELLA	CAMPESTRIS
064	GLAUX	MARITIMA
065	HERACLEUM	SPHONDYLIIUM
066	HIERACIUM	SP
067	HIERACIUM	DILECTUM
068	HOLCUS	LANATUS
069	HONKENYA	PEPLOIDES
070	HYDROCOTYLE	VULGARIS
071	HYPERICUM	PULCHRUM
072	HYPOCHAERIS	RADICATA
073	IRIS	PSEUDACORUS
074	JASIGNE	MONTANA
075	JUNCUS	ARTICULATUS
076	JUNCUS	BUFONIUS
077	JUNCUS	CONGLOMERATUS
078	JUNCUS	EFFUSUS
079	JUNCUS	GERARDII
080	JUNCUS	KOCHII
081	JUNCUS	SQUARROSUS
082	LATHYRUS	PRATENSIS
083	LEONTODON	AUTUMNALIS
084	LINUM	CATHARTICUM
085	LISTERA	CORDATA
086	LOLIUM	PERENNE
087	LOTUS	CORNICULATUS
088	LUZULA	CAMPESTRIS
089	LUZULA	MULTIFLORA
090	LUZULA	PILOSA

..
SPECIES LIST
=====

THE SPECIES REFERENCED IN THE TABLES
ARE HERE LISTED SEQUENTIALLY ACCORDING TO THEIR
REFERENCE NUMBERS. THIS LISTING SHOULD BE
CONSULTED IN CASES OF AMBIGUITY OR DOUBT AS TO
THE SPECIES REFERRED TO BY THE ABBREVIATIONS
IN THE TABLES.

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001	ACHILLEA	MILLEFOLIUM
002	ACHILLEA	PTARMICA
003	AGROPYRON	REPENS
004	AGROSTIS	CANINA
005	AGROSTIS	STOLONIFERA
006	AGROSTIS	TENUIS
007	AIRA	PRAECOX
008	ALCHEMILLA	FILICULIS
009	ALOPECURUS	GENICULATUS
010	AMMOPHILA	ARENARIA
011	ANGELICA	SYLVESTRIS
012	ANTENNARIA	DIOICA
013	ANTHOXANTHUM	ODORATUM
014	ANTHYLLIS	VULNERARIA
015	ARMERIA	MARITIMA
016	ATRIPLEX	PATULA
017	BELLIS	PERENNIS
018	CALLUNA	VULGARIS
019	CALTHA	PALUSTRIS
020	CARDAMINE	PRATENSIS
021	CAREX	ARENARIA
022	CAREX	BINERVIS
023	CAREX	DEMISSA
024	CAREX	DIOICA
025	CAREX	ECHINATA
026	CAREX	FLACCA
027	CAREX	LEPIDOCARPA
028	CAREX	NIGRA
029	CAREX	QUALIS
030	CAREX	PANICEA

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PHYTOSOCIOLOGICAL TABLE OUTPUT
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- (1) THE NUMBERS ACROSS THE TOP OF THE TABLE ARE THE SERIAL NUMBERS OF THE RELEVES (READING DOWNWARDS).
- (2) A MAXIMUM OF 55 RELEVES CAN BE PRINTED ACROSS ONE PAGE OF A TABLE. WHEN THE NUMBER INVOLVED IS GREATER THAN THIS THE SUBSEQUENT PAGES OF THE TABLE ARE PRINTED BELOW ONE ANOTHER. THESE CONTINUATION PAGES ARE READILY IDENTIFIED BY THE ABSENCE OF A TITLE (EXCEPT FOR THE TABLE NUMBER).
- (3) THE SPECIES NAMES AND REFERENCE NUMBERS ARE LISTED DOWN THE LEFT-HAND SIDE OF THE TABLE. IN CASE OF AMBIGUITY OR DOUBT AS TO THE SPECIES THEY REFER TO, CONSULT THE COMPLETE SPECIES LISTING AT THE END.
- (4) THE COVER-ABUNDANCE DATA ARE RECORDED IN THE TABLE. THE DEGREES OF COVER-ABUNDANCE REPRESENTED BY THE SYMBOLS ARE GIVEN IN THE TABLE OPPOSITE. DOTS, WHEN PRESENT, ARE EQUIVALENT TO BLANKS.
- (5) RARE SPECIES WITH ONLY FEW OCCURRENCES ARE PRINTED BENEATH THE TABLE. THE ACCOMPANYING NUMBERS INDICATE THE RELEVES IN WHICH THEY OCCURRED
- (6) A LIST IS INCLUDED OF THE LOCATIONS AND GRID REFERENCES OF THE SITES. THERE IS ALSO A LIST OF THE SYNTAXA THAT ARE REPRESENTED IN THE TABLE AND REFERENCED BY NUMBERS WRITTEN ACROSS THE TOP.

THE RELEVES LISTED IN THE TABLE WERE MADE IN WHAT WAS SUBJECTIVELY ASSESSED TO BE HOMOGENEOUS VEGETATION (I.E. WELL WITHIN THE BOUNDARIES OF THE COMMUNITY). THEY ARE CONSIDERED TO BE REPRESENTATIVE OF THE NATURE OF THE PLANT COMMUNITY AS IT OCCURS AT THE SAMPLE SITE. NORMALLY THE QUADRAT SIZE USED WAS 2M. X 2M.

COVER-ABUNDANCE SCALE

SYMBOL	COVER/ABUNDANCE
5	80% - 100%
4	60% - 80%
3	40% - 60%
2	20% - 40%
1	1% - 20%
+	<1%
-	ADDITIONAL SPECIES

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DURHAM UNIVERSITY.

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GRASSLAND SITES

<u>RELEVE NO.</u>	<u>LOCATION</u>	<u>GRID REFERENCE</u>
011	Calder's Geo, Esha Ness, Mainland	HU 208787
012	Calder's Geo, Esha Ness, Mainland	HU 208788
015	Whiteness Voe, Mainland	HU 392462
016	" " "	"
017	" " "	"
018	" " "	"
027	Setter, Kergord, Mainland	HU 401546
089	Littleness, Spiggie, South Mainland	HU 367168
126	Setter, Kergord, Mainland	HU 401546
127	The Wards, Walls, Mainland (site 1)	HU 267565
128	Setter, Kergord, Mainland	HU 401546
129	" " "	"
130	Cutts, Trondra	HU 401382
134	Meil, West Burra	HU 375354
164	Loch of Strom, Mainland	HU 401492
210	Setter, Bressay	HU 511422
217	Catfirth, Nesting, Mainland	HU 438538
218	" " "	"
219	" " "	"
220	" " "	"
221	" " "	"
223	" " "	"
227	" " "	"
228	" " "	"
229	" " "	"
230	" " "	"
233	" " "	"
235	" " "	"
237	Catfirth, Nesting, Mainland	HU 436539
238	" " "	"
239	" " "	"
240	" " "	"
241	" " "	"
247	Catfirth, Nesting, Mainland	HU 438538
249	" " "	"
250	Catfirth, Nesting, Mainland	HU 436539
251	" " "	"
252	" " "	"
330	WhiteNess, Mainland	HU 385446
331	" " "	"
332	" " "	"
333	" " "	"
338	" " "	"
431	Laxo, Nesting, Mainland	HU 445636
489	Gluss Voe, North Mainland (site 2)	HU 357775
539	Dales Voe, Nesting, Mainland (site 1)	HU 409686
540	" " " "	"
541	" " " "	"
545	Dales Voe, Nesting, Mainland (site 2)	HU 407685
546	" " " "	"
551	" " " "	"
552	" " " "	"
553	" " " "	"
554	Holligarth, Colla Firth, Nesting, Mainland	HU 423690
555	" " " " " "	"
556	" " " " " "	"
557	" " " " " "	"
558	" " " " " "	"
559	" " " " " "	"
562	Colla Firth, Nesting, Mainland	HU 433688

<u>RELEVE NO.</u>	<u>LOCATION</u>	<u>GRID REFERENCE</u>
571	Colla Firth, Nesting, Mainland	HU 431687
675	Hillside, Ollaberry, North Mainland	HU 357799
690	Sand Voe, North Mainland	HU 365909
705	Braga, Whalsay	HU 535624
706	" "	"
710	Symbister Ness, Whalsay	"
711	Symbister Ness, Whalsay	HU 535619
712	" " "	"
718	Sandwick, Whalsay	HU 538617
721	Isbister Holm (south)	HU 602642
722	" "	"
723	" "	"
724	" "	"
725	Isbister Holm (north)	HU 604643
726	" "	"
727	Sumburgh Head South Mainland (site 1)	HU 407083
728	" " " "	"
729	" " " " (site 2)	"
731	Sumburgh Head, South Mainland (site 2)	HU 408085
732	" " " "	"
763	Quendale, South Mainland (site 3)	HU 385125
764	" " "	"
765	" " "	"
766	" " "	"
802	Spiggie, South Mainland	HU 373180
803	" " "	"
804	" " "	"
805	" " "	"
806	" " "	"
817	Melby, Walls, Mainland	HU 191576
818	" " "	"
819	" " "	"
820	" " "	"
830	Sandness, Walls, Mainland	HU 194572
831	" " "	"
832	" " "	"
851	Sandsound, Central Mainland	HU 361483
852	" " "	"
853	" " "	"
860	" " "	"
891	Utnabrake, Tingwall, Mainland	HU 409408
892	" " "	"
895	Loch Tingwall, Mainland	HU 414430
896	" " "	"
931	Broch, Mousa	HU 458237
932	" "	"
933	" "	"
934	" "	"
935	" "	"
936	" "	"
937	Green Head, Mousa	HU 462233
938	" " "	"
939	" " "	"
940	" " "	"
941	" " "	"
945	Dock of Lingness, Nesting, Mainland	HU 488549
947	" " " "	"
948	" " " "	"
952	" " " "	"

RELEVE NO.LOCATIONGRID REFERENCE

953	The Burr, Eshaness, Mainland	HU 216806
954	" " " "	"
956	" " " "	"
987	Ander Hill, Bressay	HU 528411
989	" " " "	"
990	" " " "	"
991	" " " "	"
992	" " " "	"

151	HYLOCOMIUM	SPLENDENS
152	HYPNUM	CUPRESSIFORME
153	HYPNUM	ERICETORUM
154	ISOTHECIUM	MYOSUROIDES
155	LOPHOCOLEA	CUSPIDATA
156	LOPHOZIA	VENTRICOSA
157	MNIUM	HORNUM
158	MNIUM	LENGIROSTRUM
159	MNIUM	MARGINATUM
160	MNIUM	PUNCTATUM
161	MNIUM	UNDULATUM
162	MYLIA	ANOMALA
163	NARDIA	SCALARIS
164	PELLIA	EPIPHYLLA
165	PELLIA	FABBRONIANA
166	PELLIA	NEESIANA
167	PHILONOTIS	FONTANA
168	PLAGIOTHECIUM	UNDULATUM
169	PLEUROZIUM	SCHREBERI
170	POLYTRICHUM	COMMUNE
171	POLYTRICHUM	FORMOSUM
172	POLYTRICHUM	GRACILE
173	POLYTRICHUM	JUNIPERINUM
174	PTILIDIUM	CILIARE
175	RHYTIDIADELPHUS	LOREUS
176	RHYTIDIADELPHUS	SQUARROSUS
177	RICCARDIA	PINGUIS
178	SACCOGYNA	VITICULOSA
179	SCAPANIA	GRACILIS
180	SCORPIDIUM	SCORPIDIOIDES
181	SPHAGNUM	CAPILLACEUM
182	SPHAGNUM	CUSPICATUM
183	SPHAGNUM	FIMBRIATUM
184	SPHAGNUM	INUNDATUM
185	SPHAGNUM	PALUSTRE
186	SPHAGNUM	PAPILLOSUM
187	SPHAGNUM	PLUMULOSUM
188	SPHAGNUM	RECURVUM
189	SPHAGNUM	RUBELLUM
190	THUIDIUM	TAMARISCINUM
191	TRITOMARIA	QUINQUEDENTATA
192	SELAGINELLA	SELAGINOIDES
193	CHARA	SP
194	CLADONIA	COCCIFERA
195	CLADONIA	FURCATA
196	CLADONIA	IMPEXA
197	CLADONIA	SP
198	CORNICULARIA	MURICATA
199	PELTIGERA	CANINA
200	EMPETRUM	NIGRUM
201	ACHILLEA	MILLEFOLIUM
202	RUMEX	ACETOSELLA
203	NARTHECIUM	OSSIFRAGUM
204	RANUNCULUS	REPENS
205	STELLARIA	MEDIA
206	AGROCLADIUM	GIGANTEUM
207	MATRICARIA	MATRICOIDES
208	JUNCUS	BUFONIUS
209	SPERGULARIA	ARVENSIS
210	TRIPLEUROSPERMUM	MARITIMUM

091	PINGUICULA	VULGARIS
092	PLANTAGO	LANCEOLATA
093	PLANTAGO	MARITIMA
094	POA	ANNUA
095	POA	SUBCAERULEA
096	POA	TRIVIALIS
097	POLYGALA	SERPYLLIFOLIA
098	POLYGONUM	AMPHIBIUM
099	POTAMOGETON	POLYGONIFOLIUS
100	POTENTILLA	ANSERINA
101	POTENTILLA	ERECTA
102	POTENTILLA	PALUSTRIS
103	PRIMULA	VULGARIS
104	PRUNELLA	VULGARIS
105	RANUNCULUS	ACRIS
106	RANUNCULUS	FLAMMULA
107	RHINANTHUS	MINOR
108	RUMEX	ACETOSA
109	RUMEX	CRISPUS
110	SAGINA	NODOSA
111	SAGINA	PROCUMBENS
112	SALIX	REPENS
113	SCILLA	VERNA
114	SIEGLINGIA	DECUMBENS
115	SENECIO	AQUATICUS
116	SOLIDAGO	VIRGAUREA
117	STACHYS	PALUSTRIS
118	STELLARIA	ALSINE
119	SUCCISA	PRATENSIS
120	TARAXACUM	SP
121	TRICHOPHORUM	CESPITOSUM
122	TRIFOLIUM	PRATENSE
123	TRIFOLIUM	REPENS
124	TRIGLOCHIN	MARITIMA
125	TRIGLOCHIN	PALUSTRIS
126	VICIA	CRACCA
127	VIOLA	PALUSTRIS
128	VIOLA	RIVINIANA
129	ACROCLADIUM	CORDIFOLIUM
130	ACROCLADIUM	CUSPIDATUM
131	ACROCLADIUM	STRAMINIUM
132	AMBLYSTEGIUM	SERPENS
133	AULACOMNIUM	PALUSTRE
134	BARBILOPHOZIA	FLOERKII
135	BRACHYTHECIUM	RIVULARE
136	BRACHYTHECIUM	RUTABULUM
137	BRYUM	PALLENS
138	BRYUM	PSEUDOTRIQUETRUM
139	CALYPOGEIA	FISSA
140	CALYPOGEIA	MUELLERANA
141	CAMPYLIIUM	STELLATUM
142	CHILOSCYPHUS	POLYANTHUS
143	CLIMACIUM	DENDROIDES
144	CRATONEURON	FILICINUM
145	DICRANUM	BONJEANII
146	DIPLOPHYLLUM	ALBICANS
147	DREPANOCLADUS	FLUITANS
148	DREPANOCLADUS	REVOLVENS
149	EURYNCHIUM	PRAELONGUM
150	FONTINALIS	ANTIPYRETICA

031	CIRSIUM	PALUSTRE
032	CYNOSURUS	CRISTATUS
033	DACTYLIS	GLOMERATA
034	DACTYLORCHIS	ERICETORUM
035	DACTYLORCHIS	PURPURELLA
036	DE SCHAMPSIA	CAESPITOSA
037	DE SCHAMPSIA	FLEXUOSA
038	DROSERA	ROTUNDIFOLIA
039	ELEOCHARIS	MULTICAULIS
040	ELEOCHARIS	PALUSTRIS
041	ELEOCHARIS	QUINQUEFLORA
042	EPILOBIMUM	PALUSTRE
043	EQUISETUM	ARVENSE
044	EQUISETUM	FLUVIATILE
045	EQUISETUM	PALUSTRE
046	ERICA	CINEREA
047	ERICA	TETRALIX
048	ERIOPHORUM	ANGUSTIFOLIUM
049	ERIOPHORUM	VAGINATUM
050	EUPHRASIA	SP
051	FESTUCA	PRATENSIS
052	FESTUCA	RUBRA
053	FESTUCA	VIVIPARA
054	FILIPENDULA	ULMARIA
055	GALIUM	PALUSTRE
056	GALIUM	SAXATILE
057	GLYCERIA	FLUITANS
058	HERACLEUM	SPHONDYLIIUM
059	HOLCUS	LANATUS
060	HORDEUM	SP
061	HYDROCOTYLE	VULGARIS
062	HYPOCHAERIS	RADICATA
063	IRIS	PSEUDACORUS
064	JUNCUS	ARTICULATUS
065	JUNCUS	CONGLOMERATUS
066	JUNCUS	EFFUSUS
067	JUNCUS	KOCHII
068	JUNCUS	SQUARROSUS
069	LATHYRUS	PRATENSIS
070	LEONTODON	AUTUMNALIS
071	LITTORELLA	UNIFLORA
072	LOLIUM	MULTIFLORUM
073	LOLIUM	PERENNE
074	LUZULA	CAMPESTRIS
075	LUZULA	MULTIFLORA
076	LYCHNIS	FLOS-CUCULI
077	MENTHA	AQUATICA
078	MENYANTHES	TRIFOLIATA
079	MIMULUS	GUTTATUS
080	MOLINIA	CAERULEA
081	MONTIA	FONTANA
082	MYOSOTIS	CAESPITOSA
083	MYOSOTIS	DISCOLOR
084	MYOSOTIS	SECUNCA
085	MYOSOTIS	SP
086	NARDUS	STRICTA
087	NYMPHAEA	ALBA
088	PEDICULARIS	PALUSTRIS
089	PEDICULARIS	SYLVATICA
090	PHALARIS	ARUNDINACEA

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SPECIES LIST
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IN THE TABLES.

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001	ACHILLEA	PTARMICA
002	AGROSTIS	CANINA
003	AGROSTIS	STOLONIFERA
004	AGROSTIS	TENUIS
005	AIRA	PRAECOX
006	ALOPECURUS	GENICULATUS
007	ANGELICA	SYLVESTRIS
008	ANTHOXANTHUM	ODORATUM
009	ARRHENATHERUM	ELATIUS
010	BELLIS	PERENNIS
011	BLYSMUS	RUFUS
012	CALLITRICHE	HERMAPHRODITICA
013	CALLITRICHE	STAGNALIS
014	CALLUNA	VULGARIS
015	CALTHA	PALUSTRIS
016	CARDAMINE	PRATENSIS
017	CAREX	BINERVIS
018	CAREX	DEMISSA
019	CAREX	DIOICA
020	CAREX	ECHINATA
021	CAREX	FLACCA
022	CAREX	HOSTIANA
023	CAREX	NIGRA
024	CAREX	OVALIS
025	CAREX	PANICEA
026	CAREX	PILULIFERA
027	CAREX	PULICARIS
028	CAREX	ROSTRATA
029	CERASTIUM	HOLOSTEOIDES
030	CIRSIIUM	ARVENSE

##-----##

PHYTOSOCIOLOGICAL TABLE OUTPUT
=====

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- (2) A MAXIMUM OF 55 RELEVES CAN BE PRINTED ACROSS ONE PAGE OF A TABLE. WHEN THE NUMBER INVOLVED IS GREATER THAN THIS THE SUBSEQUENT PAGES OF THE TABLE ARE PRINTED BELOW ONE ANOTHER. THESE CONTINUATION PAGES ARE READILY IDENTIFIED BY THE ABSENCE OF A TITLE (EXCEPT FOR THE TABLE NUMBER).
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- (4) THE COVER-ABUNDANCE DATA ARE RECORDED IN THE TABLE. THE DEGREES OF COVER-ABUNDANCE REPRESENTED BY THE SYMBOLS ARE GIVEN IN THE TABLE OPPOSITE. DOTS, WHEN PRESENT, ARE EQUIVALENT TO BLANKS.
- (5) RARE SPECIES WITH ONLY FEW OCCURRENCES ARE PRINTED BENEATH THE TABLE. THE ACCOMPANYING NUMBERS INDICATE THE RELEVES IN WHICH THEY OCCURRED
- (6) A LIST IS INCLUDED OF THE LOCATIONS AND GRID REFERENCES OF THE SITES. THERE IS ALSO A LIST OF THE SYNTAXA THAT ARE REPRESENTED IN THE TABLE AND REFERENCED BY NUMBERS WRITTEN ACROSS THE TOP.

THE RELEVES LISTED IN THE TABLE WERE MADE IN WHAT WAS SUBJECTIVELY ASSESSED TO BE HOMOGENEOUS VEGETATION (I.E. WELL WITHIN THE BOUNDARIES OF THE COMMUNITY). THEY ARE CONSIDERED TO BE REPRESENTATIVE OF THE NATURE OF THE PLANT COMMUNITY AS IT OCCURS AT THE SAMPLE SITE. NORMALLY THE QUADRAT SIZE USED WAS 2M. X 2M.

COVER-ABUNDANCE SCALE

SYMBOL	COVER/ABUNDANCE
5	80% - 100%
4	60% - 80%
3	40% - 60%
2	20% - 40%
1	1% - 20%
+	<1%
-	ADDITIONAL SPECIES

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WET MEADOWS SITES.

<u>RELEVE NO.</u>	<u>LOCATION.</u>	<u>GRID REF.</u>
011	White Ness Voe, Mainland.	HU 393461
012	" " " "	"
013	" " " "	"
014	" " " "	"
084	Littleness, Spiggie, S. Mainland.	HU 367168
085	" " " "	"
086	" " " "	"
087	" " " "	"
088	" " " "	"
090	Spiggie(north end), S. Mainland.	HU 369177
091	" " " "	"
092	" " " "	"
093	" " " "	"
122	Vidlin, Lunnasting, Mainland.	HU 481652
131	Cutts, Trondra.	HU 401382
132	" " " "	"
262	Brough, Toft, Delting, Mainland(site 1)	HU 432777
263	" " " "	"
264	Brough, Toft, Delting, Mainland(site 2)	HU 434776
265	" " " "	"
266	" " " "	"
267	" " " "	"
268	" " " "	"
336	White Ness, Mainland.	HU 385446
337	" " " "	"
426	Laxo, Nesting, Mainland,	HU 445636
427	" " " "	"
428	" " " "	"
429	" " " "	"
430	" " " "	"
432	" " " "	"
433	" " " "	"
490	Gluss Voe, North Mainland(site 2)	HU 357775
491	" " " "	"
547	Dales Voe, Delting, Mainland(site 2)	HU 407685
549	" " " "	"
671	Hillside, Ollaberry, N. Mainland.	HU 357799
672	" " " "	"
673	" " " "	"
676	" " " "	"
677	" " " "	"
713	Symbister Ness, Whalsay,	HU 537616
714	" " " "	"
715	" " " "	"
716	" " " "	"
767	Spiggie/Brow Lochs, South Mainland.	HU 380156
768	" " " "	"
769	" " " "	"
770	" " " "	"

RELEVE NO.LOCATION.GRID REF.

771	Spiggie/Brow Lochs, South Mainland.	HU 380156
772	" " " "	"
773	" " " "	"
774	" " " "	"
775	" " " "	"
776	" " " "	"
777	" " " "	"
778	" " " "	"
779	" " " "	"
780	" " " "	"
781	" " " "	"
782	" " " "	"
784	Loch of Brow, South Mainland.	HU 381159
786	" " " "	"
787	" " " "	"
788	Loch of Spiggie, South Mainland.	HU 379158
789	" " " "	"
790	" " " "	"
791	" " " "	"
793	" " " "	"
841	Stennestwatt, Walls, Mainland. (nr. Loch of Flatpunds)	HU 242519
842	" " " "	"
846	" " " "	"
854	Sandsound, Central Mainland.	HU 361483
893	Utnabrake, Tingwall, Mainland.	HU 409408
894	" " " "	"
897	" " " "	"
898	" " " "	"
899	" " " "	"
900	" " " "	"
950	Dock of Lingness, Nesting, Mainland.	HU 488549
951	" " " "	"

TABLE 5.5

Syntaxa: wet meadow communities.

- 40: Waterside community.
Calthion palustris.(5.5.2.1)
- 41: Carex rostrata - Menyanthes trifoliata community.
Carex rostrata-Menyanthes trifoliata Ass.(5.5.2.2)
- 42: Potentilla palustris community.
Caricion lasiocarpae.(5.5.2.3.p.p.)
- 43: Potentilla palustris community.
Caricion lasiocarpae.(5.5.2.3.p.p.)
- 44: Potentilla palustris community.
Caricion lasiocarpae.(5.5.2.3.p.p.)
- 45: Grassland flushes.
Pinguiculo-Caricetum dioicae, eleocharetosum
typicum.(5.5.2.4)
- 46: Acidic wet meadows - Viola palustris community.
Caricion curto-nigrae.(5.5.2.5.1)
- 47: Acidic wet meadows.
Carex - Sphagnum recurvum nodum.(5.5.2.5.2)
- 48: Caltha palustris meadows.
Calthion palustris.(5.5.2.6)
- 49: Wet grasslands - Juncus conglomeratus nodum.
Calthion palustris.(5.5.2.7.1)
- 50: Wet grasslands.
Molinietalia community,(5.5.2.7.2)

SALT MARSH SITES.

<u>RELEVE NO.</u>	<u>LOCATION.</u>	<u>GRID REF.</u>
001	Whiteness Voe, Mainland.	HU 394462
002	" " "	"
003	" " "	"
004	" " "	"
005	" " "	"
007	" " "	"
008	" " "	"
009	" " "	"
123	Vidlin, Lunnasting, Mainland.	HU 481652
124	" " "	"
473	Ell Wick, North Mainland.	HU 345679
474	" " " "	"
475	" " " "	"
476	" " " "	"
477	" " " "	"
478	" " " "	"
488	Gluss Voe, North Mainland(site 1)	HU 358766
493	Gluss Voe, North Mainland(site 2)	HU 355775
494	" " " " "	"
495	" " " " "	"
496	" " " " "	"
497	" " " " "	"
498	" " " " "	"
499	" " " " "	"
500	" " " " "	"
501	" " " " "	"
502	" " " " "	"
532	Dales Voe, Delting, Mainland(site 1)	HU 409686
533	" " " " "	"
534	" " " " "	"
535	" " " " "	"
536	" " " " "	"
537	" " " " "	"
538	" " " " "	"
542	" " " " "	"
563	Colla Firth, Delting, Mainland.	HU 433688
564	" " " " "	"
565	" " " " "	"
566	" " " " "	"
567	" " " " "	"
568	" " " " "	"
569	" " " " "	"
695	Burra Voe, North Mainland.	HU 367885
696	" " " " "	"
697	" " " " "	"
698	" " " " "	"
699	" " " " "	"
700	" " " " "	"
861	Tresta Voe, Aithsting, Mainland.	HU 358504
862	" " " " "	"

RELEVE NO.LOCATION.GRID REF.

863	Tresta Voe, Aithsting, Mainland.	HU 358504
864	" " " "	"
865	" " " "	"
866	" " " "	"
867	" " " "	"
868	" " " "	"
869	" " " "	"
870	" " " "	"
872	Ness of Bixter, Aithsting, Mainland.	HU 343519
873	" " " "	"
874	" " " "	"
875	" " " "	"
876	" " " "	"
877	" " " "	"
878	" " " "	"
879	" " " "	"
884	Bridge of Fitch, Central Mainland.	HU 435435
885	" " " "	"
886	" " " "	"
888	" " " "	"
889	" " " "	"
891	" " " "	"

TABLE 5.3.

Syntaxa: salt marsh communities.

- 17: Species rich upper salt marsh community.
Juncetum gerardii subass. Leontodon autumnalis.(5.3.2.1.p.p.)
- 18: Species rich upper salt marsh community.
Holcus lanatus - Juncus effusus nodum.(5.3.2.1.p.p.)
- 19: Species rich upper salt marsh community - Agrostis
tenuis nodum.
Molinietalia.(5.3.2.1.1.p.p.)
- 20: Species poor upper salt marsh community.
Saginion maritimae.(5.3.2.1.2)
- 21: Eleocharis quinqueflora flushes.
Eleocharetum uniglumis, Shetland variant.(5.3.2.2)
- 22: Triglochin maritima zone.
Festuca - Armeria nodum.(5.3.2.3.p.p.)
- 23: Triglochin maritima zone.
Festuca - Puccinellia nodum.(5.3.2.3.p.p.)
- 24: Spergularia marina community.
Puccinellio-Spergularion salinae.(5.3.2.4)
- 25: Nostoc and Rhizoclonium variant, algal community.
Festuca - Turf furoid nodum.
Puccinellion maritimae.(5.3.2.5.p.p)
- 26: Nostoc, Rhizoclonium, and Fucus variant, algal
community, Festuca - Turf furoid nodum.
Puccinellion maritimae.(5.3.2.5.p.p.)
- 27: Aphanocapsa/Gleocapsa and Fucus variant, Festuca - Turf
furoid nodum.
Puccinellion maritimae.(5.3.2.5.p.p.)

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SPECIES LIST

=====

THE SPECIES REFERENCED IN THE TABLES
ARE HERE LISTED SEQUENTIALLY ACCORDING TO THEIR
REFERENCE NUMBERS. THIS LISTING SHOULD BE
CONSULTED IN CASES OF AMBIGUITY OR DOUBT AS TO
THE SPECIES REFERRED TO BY THE ABBREVIATIONS
IN THE TABLES.

.....

001	AGROSTIS	STOLONICERA
002	AGROSTIS	TENUIS
003	ANTENNARIA	DIOICA
004	ANTHOXANTHUM	ODORATUM
005	ARMERIA	MARITIMA
006	ATRIPLEX	PATULA
007	BELLIS	PERENNIS
008	BLYSMUS	RUFUS
009	CALLUNA	VULGARIS
010	CALTHA	PALUSTRIS
011	CARDAMINE	PRATENSIS
012	CAREX	DEMISSA
013	CAREX	DIOICA
014	CAREX	ECHINATA
015	CAREX	FLACCA
016	CAREX	NIGRA
017	CAREX	PANICEA
018	CAREX	SEROTINA
019	CERASTIUM	HOLOSTEOIDES
020	CIRSIUM	PALUSTRE
021	COCHLEARIA	OFFICINALIS
022	ELEOCHARIS	MULTIFLORA
023	ELEOCHARIS	QUINQUEFLORA
024	EQUISETUM	PALUSTRE
025	ERICA	TETRALIX
026	ERIOPHORUM	ANGUSTIFOLIUM
027	EUPHRASIA	AGG
028	FESTUCA	RUBRA
029	GLAUX	MARITIMA
030	HOLCUS	LANATUS

##-----##
PHYTOSOCIOLOGICAL TABLE OUTPUT
=====

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-	ADDITIONAL SPECIES

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091	SCAPANIA	GRACILIS
092	SOLENOSTOMA	TRISTE
093	APHANOCAPSA	SP
094	ENTEROMORPHA	SP
095	FUCUS	VESICULOSUS
096	GLEOCAPSA	SP
097	NOSTOC	SP
098	OSCILLATORIA	SP
099	POLYIDES	SP
100	RHIZOCLONIUM	SP
101	VAUCHERIA	SP
102	BRYUM	SP
103	SENECIO	AQUATICUS
104	CLADOPHORA	SP
105	CAMPYLUM	SP
106	ISOTHECIUM	MYOSUROIDES
107	CAREX	LEPIDOCARPA
108	CAREX	HOSTIANA

5m

031	HYDROCOTYLE	VULGARE
032	HYPERICUM	PULCHRUM
033	JUNCUS	ARTICULATUS
034	JUNCUS	EFFUSUS
035	JUNCUS	GERARDII
036	JUNCUS	KOCHII
037	JUNCUS	SQUARROSUS
038	LEONTODON	AUTUMNALIS
039	LUZULA	MULTIFLORA
040	LYCHNIS	FLOS-CUCULI
041	MOLINIA	CAERULEA
042	NARDUS	STRICTA
043	PEDICULARIS	SYLVATICA
044	PINGUICULA	VULGARIS
045	PLANTAGO	CORONOPUS
046	PLANTAGO	LANCEOLATA
047	PLANTAGO	MARITIMA
048	POA	ANNUA
049	POA	SUBCAERULEA
050	POTENTILLA	ERECTA
051	PUCCINELLIA	MARITIMA
052	RANUNCULUS	FLAMMULA
053	RHINANTHUS	MINOR
054	RUMEX	LONGIFOLIUS
055	SAGINA	NODOSA
056	SAGINA	PROCUMBENS
057	SALICORNIA	SP
058	SCHOENUS	NIGRICANS
059	STIEGLINGIA	DECUMBENS
060	SPERGULARIA	MARINA
061	SPERGULARIA	MEDIA
062	SUCCISA	PRATENSIS
063	THALICTRUM	ALPINUM
064	TRIFOLIUM	REPENS
065	TRIGLOCHIN	PALUSTRIS
066	TRIGLOCHIN	MARITIMA
067	TRIPLEURISPERMUM	MARITIMUM
068	SELAGINELLA	SELAGINOIDES
069	PELTIGERA	CANINA
070	ACROCLADIUM	CUSPIDATUM
071	AMBLYSTEGIUM	SERPENS
072	BRACHYTHECIUM	RUTABULUM
073	BRYUM	PSEUDOTRIQUETRUM
074	CAMPYLUM	POLYGAMUM
075	DIPLOPHYLLUM	ALBICANS
076	DREPANOCLADUS	REVOLVENS
077	EURHYNCHIUM	PRAELONGUM
078	FRULLANIA	TAMARISCINUM
079	GRIMMIA	MARITIMA
080	HYLOCOMIUM	SPLENDENS
081	HYPNUM	CUPRESSIFORME
082	HYPNUM	ERICETORUM
083	HYPNUM	RESUPINATUM
084	LEPTODICTYON	RIPARIUM
085	LOPHOCOLEA	CUSPIDATA
086	MNIUM	HORNUM
087	PLEUROZIUM	SCHREBERI
088	RHACOMITRIUM	LANUGINOSUM
089	RHYTIDIADELPHUS	SQUARROSUS
090	RICCARDIA	PINGUIS

SYNTAXON

	07	08	09	10	11	12	13	14	15	16
	778	7777	77878	179199188	7777777	777	99911	1998	7777	777
	660	99999	1120559599300	5545554599933	149144555444					
	128	8795694073962986108376574045775	293139214586							

90	TRIF REPE	2		1 1 1	1 1	2 1 1 1 1 1 1 1	+	+	2 1 1	1 1 1		2	+
64	PLAN LANC	1	1 +		+ 2	1 +	1 1 1	+	+ 1 1 2 1 2 1 1 1 1				
40	FEST RUBR	1 1 2 2 2 1		1	1 2 1 2 1	2 3 2 1 1 1 1 1 1 1 1 1	2 2	+ 2 1 1 1 1				1 1 1	
70	POTE ANSE			+ 1 + 2 1 2 1			1			2 2 2 1	1 2 1		1
5	AGRO STOL			2. + + 2	+ 1 1	1 +	1			1 1 1 1 1	+ 2 1 2 1 1 1		1 1 1
8	AMMO AREN	1 +	1 1		+ 4	2 2 2 3	2 1 2 3 3 3 1 1						
34	ELYM AREN		+ 1 1 2 3 2 3	1 2									
26	CERA HOLO					+ +	+ 1 +			+ + +	+ + 1		
17	BELL PERE				+ + 1	1 1 1	+ + +		+ 1 +	1 1 2 1 2 1	1 1 1		+ + +
1	ACHI MILL				1	1 1 1			1	1 1 1 1 1	1 1		
69	POA SUBC				+ 1	+ 1	+ + 1 + + + 1 1			+ 1 + +	1 1		
72	RANU ACRI				1		1 + 1			+ +	1 1 1 +	+ + +	+ 1
39	EUPH AGG						1 1		+ + 1 1 +	1	2		
54	LOTU CORN		2				1 + + + 1 1			1 1	1 1		
46	HOLC LANA						+ + + 1			1 1 + 1 2	2	1	
45	CAKI MARI	1 1 2	2										
16	ATRI PATU	+ 1 1			1 +				1			1	
47	HGNK PEPL				4 2 1								
85	SONC ASPE	1	+ +	1 +									
3	AGRO REPE	1	+		1	1					1 1 1		
77	RUME ACET									1 +	1 +		
87	STEL MEDI				1					1		1	
68	POA ANNU					1				1	1	1	
6	AGRO TENU					1 +				1 1 1	1 1		
129	CIRS ARVE				1	1 1 1 2							
28	CIRS VULG					+ 1 + + 1 + +							
121	RHYT SQUA						+ 1 + + 1 1 2						
122	RHYT TRIQ						2 3 2 3 1 +						
112	HYLO SPLE						1 1 1 2 1						
43	GALI VERU				1		+ + 1						1
102	BRAC RUTA						+ + 1						
74	RANU REPE					+ 1	1			2 +	1		+ + +
51	LEON AUTU						1						
126	TRIF PRAT						1 1						
114	LOPH CUSP				1	1				+ + +			
57	LUZU MULT									+ + +			
118	MNIU UNDU												
81	SAGI PROC												
98	PELT CANI												
89	THYM DRUC												
52	LINU CATH												
7	AIRA PRAE												
107	BRYU PALL									1			+ 1
36	EQUI ARVE												+ +
73	RANU FLAM												+ 1 1
80	SAGI NODO												+ +
49	JUNC KOCH												1 + +
23	CARE MARI												1 2 1
22	CARE FLAC									1			+ 1 1 2
21	CARE AREN												1 3 1
66	PLAN MARI												1 + 1
71	PRUN VULG												1 + +
42	GALI PALU												2 2 2 2
110	DREP ADUN												1 1
99	ACRO CUSP												4 3 2
24	CARE NIGR									1			2 1
100	ACRO GIGA												4 +
20	CARD PRAT												+ 1

ALSO :

4	AGRO CANI	801	7	AIRA PRAE	744 750	9	ANGE SYLV	796 799
12	ARME MARI	995	13	ARRE ELAT	719 807	18	CALT PALU	743
25	CERA ATRO	719 750	31	CYAN CRIS	135	33	ELEO MULT	751
35	FPIL PALU	743 746	38	EQUI SYLV	743	41	GALI APAR	748 808
44	GENT CAMP	744 750	48	JUNC ARTI	743	50	LAMI MGLU	811
53	LOLI PERE	112 755	58	MATR MATR	811	59	MYOS ARVE	719 811
60	MYOS CAES	749 752	61	MYOS SECU	743 751	65	PLAN MAJO	811
75	RAPH RAPH	811	79	RUMS LONG	811	80	SAGI NODO	746 748
82	SENE AQUA	137	83	SILE DIQI	720	88	TARA SPEC	799
91	TRIP MARI	807 811	92	URTI DIQI	720	94	VICI SP.	807
95	VICI CRAC	152	96	VIOL RIVI	747 750	98	PELT CANI	744 750
105	BRYU CAPI	798 799	106	CAMP LUTE	798	109	CRAT FILI	745
110	DREP ADUN	751 754	111	EURH PRAE	995 999	116	MNIU LUNG	997
117	MNIU PUNC	801	119	PELL EPIP	745 746	120	PSEU PURU	758
123	SOLE TRIS	744 750	124	TORT RURA	998	125	HERA SPHO	949
135	DESC CAES	153	137	BRAC RUTA	135			

SAND-DUNE SITES

<u>RELEVE NO.</u>	<u>LOCATION</u>	<u>GRID REFERENCE</u>
112	Gungstie, Noss	HU 532411
135	Meil, West Burra	HU 375354
136	" " "	"
137	" " "	"
152	St. Ninian's Bay, South Mainland	HU 376209
153	" " " " "	"
719	Sand Wick, Whalsay	HU 542615
720	" " "	"
743	Quendale, South Mainland (site 1)	HU 382133
744	" " "	"
745	" " "	"
746	" " "	"
747	" " "	"
748	" " "	"
749	" " "	"
750	" " "	"
751	" " "	"
752	" " "	"
753	" " "	"
754	" " "	"
755	Quendale, South Mainland (site 2)	HU 378129
756	" " "	"
757	" " "	"
758	" " "	"
759	" " "	"
761	" " "	"
762	" " "	"
795	Spiggie, South Mainland	HU 373180
796	" " "	"
797	" " "	"
798	" " "	"
799	Spiggie, South Mainland	HU 372178
800	" " "	"
801	" " "	"
807	Mail, South Mainland	HU 429280
808	" " "	"
811	Melby, Walls, Mainland	HU 189578
814	" " "	"
949	Dock of Lingness, Nesting, Mainland	HU 488549
993	Gungstie, Noss	HU 532411
994	" " "	"
995	" " "	"
996	" " "	"
997	" " "	"
998	" " "	"
999	" " "	"

TABLE 5.2.

Syntaxa: sand-dune communities.

- 07: Open beach communities - *Cakile maritima* nodum
Elymo-Agropyretum junceiforme. (5.2.2.1.1)
- 08: Elymus-Festuca dunes.
Elymo-Ammophiletum arenariae. (5.2.2.1.2)
- 09: Disturbed sand community - *Potentilla anserina*
nodum.
Elymo-Ammophiletum arenariae. (5.2.2.1.3)
- 10: *Ammophila* dunes - *Ammophila* sociation.
Galio-Koelerion. (5.2.2.2.1)
- 11: *Ammophila* - Bryophyte community.
Viola curtisii-*Syntrichia ruralis* Association,
subass. *Peltigera canina*, var. *Camptothecium*
lutescens. (5.2.2.2.2.p.p.)
- 12: *Ammophila* - Bryophyte community.
Viola curtisii-*Syntrichia ruralis* Association,
subass. *Peltigera canina*, var. *Ditrichum flexicaule*.
(5.2.2.2.2.p.p.)
- 13: Sandy grasslands - *Achillea* nodum.
Cynosurion cristati. (5.2.2.3)
- 14: Disturbed sandy grasslands.
Poo-Lolietum. (5.2.2.4)
- 15: Dune slacks - *Galium palustre* nodum.
Caricion davallianae. (5.2.2.5.1)
- 16: Dune slacks - *Carex maritima* nodum.
Caricion davallianae. (5.2.2.5.2)

091	TRIPLEUROSPERMUM	MARITIMUM
092	URTICA	DIOICA
093	URTICA	URENS
094	VICIA	SP.
095	VICIA	CRACCA
096	VIOLA	RIVINIANA
097	SELAGINELLA	SELAGINOIDES
098	PELTIGERA	CANINA
099	ACROCLADIUM	CUSPIDATUM
100	ACROCLADIUM	GIGANTEUM
101	BRACHYTHECIUM	ALBICANS
102	BRACHYTHECIUM	RUTABULUM
103	BRYUM	SP
104	BRYUM	ARGENTEUM
105	BRYUM	CAPILLARE
106	CAMPTOTHECIUM	LUTESCENS
107	BRYUM	PALLENS
108	CLIMACIUM	DENDROIDES
109	CRATGEURON	FILICINUM
110	DREPANOCCLADUS	ADUNCUS
111	EURHYNCHIUM	PRAELONGUM
112	HYLOCOMIUM	SPLENDENS
113	ISOTHECIUM	MYOSUROIDES
114	LOPHOCOLEA	CUSPICATA
115	MNIUM	HORNUM
116	MNIUM	LONGIROSTRUM
117	MNIUM	PUNCTATUM
118	MNIUM	UNDULATUM
119	PELLIA	EPIPHYLLA
120	PSEUDOSCLEROPODIUM	PURUM
121	RHYTIDIACELPHUS	SQUARROSUS
122	RHYTIDIACELPHUS	TRIQUETRUS
123	SOLENOSTOMA	TRISTE
124	TORTULA	RURALIFORMIS
125	HERACLEUM	SPHONDYLIIUM
126	TRIFOLIUM	PRATENSE
127	BARBULA	FALLAX
128	CAMPYLIIUM	SP.
129	CIRSIUM	ARVENSE
130	EQUISETUM	FLUVIATILE
131	RUMEX	ACETOSELLA
132	BOTRYCHIUM	LUNULARIA
133	DACTYLORCHIS	ERICETORUM
134	POA	TRIVIALIS
135	DESCHAMPSIA	CAESPITOSA
136	TRIFOLIUM	PRATENSE
137	BRACHYTHECIUM	RUTABULUM
138	LYCHNIS	FLOS-CUCULI
139	ANTHRISCUS	SYLVESTRIS
140	LATHYRUS	MARITIMUS
141	GERANIUM	PRATENSE

031	CYANOSURUS	CRISTATUS
032	DACTYLIS	GLOMERATA
033	ELEOCHARIS	MULTIFLORA
034	ELYMUS	ARENARIUS
035	EPILOBIUM	PALUSTRE
036	EQUISETUM	ARVENSE
037	EQUISETUM	PALUSTRE
038	EQUISETUM	SYLVATICUM
039	EUPHRASIA	AGG
040	FESTUCA	RUBRA
041	GALIUM	APARINE
042	GALIUM	PALUSTRE
043	GALIUM	VERUM
044	GENTIANELLA	CAMPESTRIS
045	CAKILE	MARITIMA
046	HOLCUS	LANATUS
047	HONKENYA	PEPLOIDES
048	JUNCUS	ARTICULATUS
049	JUNCUS	KOCHII
050	LAMIUM	MOLUCCELLIFOLIUM
051	LEONTODON	AUTUMNALIS
052	LINUM	CATHARTICUM
053	LOLIUM	PERENNE
054	LOTUS	CORNICULATUS
055	BOTRYCHIUM	LUNULARIA
056	LUZULA	CAMPESTRIS
057	LUZULA	MULTIFLORA
058	MATRICARIA	MATRICARIOIDES
059	MYOSOTIS	ARVENSIS
060	MYOSOTIS	CAESPITOSA
061	MYOSOTIS	SECUNDA
062	PEUCEDANUM	OSTRUTHIUM
063	PLANTAGO	CORONOPUS
064	PLANTAGO	LANCEOLATA
065	PLANTAGO	MAJOR
066	PLANTAGO	MARITIMA
067	PLANTAGO	MEDIA
068	POA	ANNUA
069	POA	SUBCAERULEA
070	POTENTILLA	ANSERINA
071	PRUNELLA	VULGARIS
072	RANUNCULUS	ACRIS
073	RANUNCULUS	FLAMMULA
074	RANUNCULUS	REPENS
075	RAPHANUS	RAPHANISTRUM
076	RHINANTHUS	MINOR
077	RUMEX	ACETOSA
078	RUMEX	CRISPUS
079	RUMEX	LONGIFOLIUS
080	SAGINA	NODOSA
081	SAGINA	PROCUMBENS
82	SENECIO	AQUATICUS
083	SILENE	DIDICA
084	SCILLA	VERNA
085	SONCHUS	ASPER
086	SONCHUS	ASPER-CH.
087	STELLARIA	MEDIA
088	TARAXACUM	SPECTABILE
089	THYMUS	DRUCEI
090	TRIFOLIUM	REPENS

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SPECIES LIST

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001	ACHILLEA	MILLEFOLIUM
002	AGROPYRON	JUNCEIFORME
003	AGROPYRON	REPENS
004	AGROSTIS	CANINA
005	AGROSTIS	STOLGNIFERA
006	AGROSTIS	TENUIS
007	AIRA	PRAECCX
008	AMMOPHILA	ARENARIA
009	ANGELICA	SYLVESTRIS
010	ANTHOXANTHUM	ODORATUM
011	ANTHYLLIS	VULNERARIA
012	ARMERIA	MARITIMA
013	ARRENATHERUM	ELATIUS
014	ARTEMISIA	VULGARIS
015	ATRIPLEX	GLABRIUSCULA
016	ATRIPLEX	PATULA
017	BELLIS	PERENNIS
018	CALTHA	PALUSTRIS
019	CAPSELLA	BURSA-PASTORIS
020	CARDAMINE	PRATENSIS
021	CAREX	ARENARIA
022	CAREX	FLACCA
023	CAREX	MARITIMA
024	CAREX	NIGRA
025	CERASTIUM	ATROVIRENS
026	CERASTIUM	HOLOSTEOIDES
027	CERASTIUM	GLOMERATUM
028	CIRSIUM	VULGARE
029	CIRSIUM	VULGARE CH.
030	COCHLEARIA	OFFICINALIS

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PHYTOSOCIOLOGICAL TABLE OUTPUT
=====

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COVER-ABUNDANCE SCALE

SYMBOL	COVER/ABUNDANCE
5	80% - 100%
4	60% - 80%
3	40% - 60%
2	20% - 40%
1	1% - 20%
+	<1%
-	ADDITIONAL SPECIES

JUDITH HILLIAM,
DEPT. OF BOTANY,
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##-----##

091	ACROCLADIUM	CUSPIDATUM
092	AMBLYSTEGIUM	SERPENS
093	BARBULA	RECURVIROSTRA
094	BRACHYTHECIUM	RUTABULUM
095	CAMPTOTHECIUM	SERICIUM
096	FURHYNCHIUM	PRAELONGIUM
097	HYPNUM	CUPRESSIFORME
098	LOPHOCOLEA	CUSPIDATA
099	MNIUM	HORNII
100	PELLIA	EPIPHYLLA
101	POHLIA	DELICATULA
102	RHYTIDIADELPHUS	SQUARROSUS
103	DESCHAMPSIA	CAESPITOSA
104	SILENE	MARITIMA
105	POA	TRIVIALIS
106	CERASTIUM	CH.

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031	GERANIUM	ROBERTIANUM
032	GLYCERIA	FLUITANS
033	HERACLEUM	SPHONDYLIIUM
034	HOLCUS	LANATUS
035	HONKENYA	PEPLOIDES
036	HYDROCOTYLE	VULGARE
037	JUNCUS	ARTICULATUS
038	JUNCUS	BUFONIUS
039	JUNCUS	CONGLOMERATUS
040	JUNCUS	EFFUSUS
041	JUNCUS	GERARDII
042	JUNCUS	KOCHII
043	LATHYRUS	MARITIMA
044	LEONTODON	AUTUMNALIS
045	LOLIUM	PERENNE
046	LOTUS	CORNICULATUS
047	LUZULA	MULTIFLORA
048	MATRICARIA	MATRICARIOIDES
049	MENTHA	AQUATICA
050	MERTENSIA	MARITIMA
051	MIMULUS	GUTTATUS
052	MONTIA	FONTANA
053	MYOSOTIS	ARVENSIS
054	MYOSOTIS	DISCOLOR
055	MYOSOTIS	CAESPITOSA
056	MYOSOTIS	SECUNDA
057	PLANTAGO	CORONOPUS
058	PLANTAGO	LANCEOLATA
059	PLANTAGO	MARITIMA
060	POA	ANNUA
061	POA	SUBCAERULEA
062	POTENTILLA	ANSERINA
063	PUCCINELLIA	MARITIMA
064	RANUNCULUS	ACRIS
065	RANUNCULUS	REPENS
066	RAPHANUS	RAPHANISTRUM
067	RHINANTHUS	MINOR
068	RUMEX	ACETOSA
069	RUMEX	ACETOSELLA
070	RUMEX	CRISPUS
071	RUMEX	LONGIFOLIUS
072	SAGINA	PROCUMBENS
073	SALICORNIA	SP.
074	SENECIO	AQUATICUS
075	SILENE	DIOICA
076	SINAPIS	ARVENSIS
077	SONCHUS	ASPER
078	SPERGULARIA	ARVENSIS
079	SPERGULARIA	MEDIA
080	SILENE	MARITIMA
081	STELLARIA	MEDIA
082	SUAEDA	MARITIMA
083	TARAXACUM	SPECTABILE
084	TRIFOLIUM	REPENS
085	TRIFOLIUM	PRATENSE
086	TRIPLEUROSPERMUM	MARITIMUM
087	URTICA	DIGICA
088	URTICA	URENS
089	VICCIA	CRACCA
090	VIOLA	PALUSTRIS

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005	ALOPECURUS	GENICULATUS
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007	ANTHRISCUS	SYLVESTRIS
008	ARMERIA	MARITIMA
009	ARRENATHERUM	ELATIUS
010	ATRIPLEX	PATULA
011	BELLIS	PERENNIS
012	CAKILE	MARITIMA
013	CALTHA	PALUSTRIS
014	CAPELLA	BURSA-PASTORIS
015	CARDAMINE	PRATENSIS
016	CAREX	NIGRA
017	CERASTIUM	HOLOSTEIOIDES
018	CIRSIUM	ARVENSE
019	CIRSIUM	PALUSTRE
020	CIRSIUM	VULGARE
021	COCHLEARIA	OFFICINALIS
022	CYNOSURUS	CRISTATUS
023	ELEOCHARIS	PALUSTRIS
024	ELYMUS	ARENARIUS
025	EPILGBIUM	PALUSTRE
026	EQUISETUM	ARVENSE
027	EUPHRASIA	SP.
028	FESTUCA	RUBRA
029	GALIUM	APARINE
030	GERANIUM	PRATENSE

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+	<1%
-	ADDITIONAL SPECIES

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##-----##

TABLE 5.1

SHINGLE.

SYNTAXON:

	01	02	03	04	05	06
	4 8 5 8 6 8	6 6 6 6 6	4 4 4 4	8 8 8 6 1 0	8 4 6	0 0 0 0 0
	7 8 4 8 9 8	8 8 8 8 8	8 8 8 8 8	0 1 1 9 2 9	1 8 9 9 9 9 9	9
	9 0 4 2 3 1	5 4 3 6 7 2	1 4 3 9 0 3 2 5 6	6 0 4 4 7 8 5 9		

28	FEST RUBR	1 3 2 2 + 1 + 1 2 2 2 + 1 1				+ 2
84	TRIF REPE	1 1 1 +				+
17	CERA HOLO	+ + + + 1				+
62	POTE ANSE	1 2 + 3 1 + 1			3 1	
10	ATRI PATU		+		1 1 1 1 2 3	+
81	STEL MEDI		+ 1		1 2 + 2 + 1 1	
29	GALI APAR			+	1 1 1 +	
60	PGA ANNU		1 1 1 +		1 + +	1
3	AGRO STOL	1 1 1		+	1 1	1 + 1
2	AGRO REPE				1 1	1 1 1 1
12	CAKI MARI				1 1	
86	TRIP MARI				+ +	+
70	RUME CRIS				+ + + +	+
72	SAGI PRCC	1 + 1 + 1 +			+ + +	1
59	PLAN MARI	+ 1 1 1 + 1			+ + + + +	
21	CGCH OFFI	1 + + 1 + 1				1
57	PLAN CGRC	1 1 1 +			+ +	
8	ARME MARI	+ 1 +				+
96	EURH PRAE	+ + 1 +				
4	AGRC TENU	1 1 1 1				1
6	ANTH ODOR	1 1 1			+	1
50	MERT MARI				2 3	
46	LCTU CORN				+ +	
75	SILE DIOI				+ + + 2	
34	FOLC LANA				+ + 2 1	+
35	HCNK PEFL				3 2 1 1 1 +	+ 1
58	PLAN LANC	+ 1			1 1 + +	
68	RUME ACET				1 1 +	+
9	ARRE ELAT					1 1 3 1
71	RUME LONG					1 1 1 1
31	GERA RGBE					3 1 + 2
61	PGA SUBC	+				1 1 +

ALSO :

5	ALGP GENI	693
22	CYNO CRIS	479
36	HYDR VULG	693
39	JUNC CGNG	693
44	LECN AUTU	693
48	MATR MATR	809
64	RANU ACRI	693 881
74	SENE ACUA	683 687
85	TRIF PRAT	683
94	BRAC RUTA	97
99	MNIU HORN	97
103	CESC CAES	125

12	CAKI MARI	809 810
24	ELYM AREN	810
37	JUNC ARTI	693
40	JUNC EFFU	881
46	LGTU CORN	683 687
50	MERT MARI	483 484
66	RAPH RAPH	809
77	SONC ASPE	96
87	URTI GIOI	881
97	HYPN CUPR	880
101	POHL DELI	809

16	CARE NIGR	693
27	EUPH SP.	686 687
38	JUNC BUFD	809
41	JUNC GERA	479
47	LUZU MULT	683
63	PUCC MARI	482
69	RUME ACET	684
83	TARA SPEC	97 98
92	AMBL SERP	880
98	LOPH CUSP	882
102	RHYI SQUA	882

TABLE 5.1

Syntaxa: shingle communities.

- 01: Shingle spit communities - *Agrostis tenuis* nodum,
Molinietalia. (5.1.2.1)
- 02: *Honkenya peploidis* community - *Honkenya* nodum,
Honkenyo-Crambion maritimae (5.1.2.2)
- 03: *Mertensia maritima* community - *Mertensia* nodum,
Atriplicion littoralis (5.1.2.3)
- 04: *Atriplex patula* community - *Atriplicetum littoralis*.
(5.1.2.4.p.p.)
- 05: transitional nodum in *Agropyron pungentis*. (5.1.2.4.p.p.)
- 06: *Geranium robertianum* community - *Arrhenatherum*
elatius nodum. (5.1.2.5)

SHINGLE SITES.

<u>RELEVE NO.</u>	<u>LOCATION</u>	<u>GRID REF.</u>
094	Boddam, South Mainland	HU 397156
095	" " "	"
096	" " "	"
097	" " "	"
098	" " "	"
099	" " "	"
125	Vidlin, Lunnasting, Mainland.	HU 481652
479	Ell Wick, North Mainland.	HU 345679
480	" " " "	"
481	" " " "	"
482	" " " "	"
483	Gluss Voe, North Mainland(site 1)	HU 358766
484	" " " " "	"
544	Dales Voe, Delting, Mainland(site 1)	HU 409686
683	Sand Voe, North Mainland.	HU 365909
684	" " " "	"
685	" " " "	"
686	" " " "	"
687	" " " "	"
692	" " " "	"
693	Burra Voe, North Mainland.	HU 365892
694	" " " "	"
809	Mail, South Mainland.	HU 429280
810	" " "	"
813	Melby, Walls, Mainland.	HU 189578
816	" " "	"
880	Ness of Bixter, Aithsting, Mainland.	HU 343519
881	Bridge of Fitch, Central Mainland.	HU 435435
882	" " " "	"