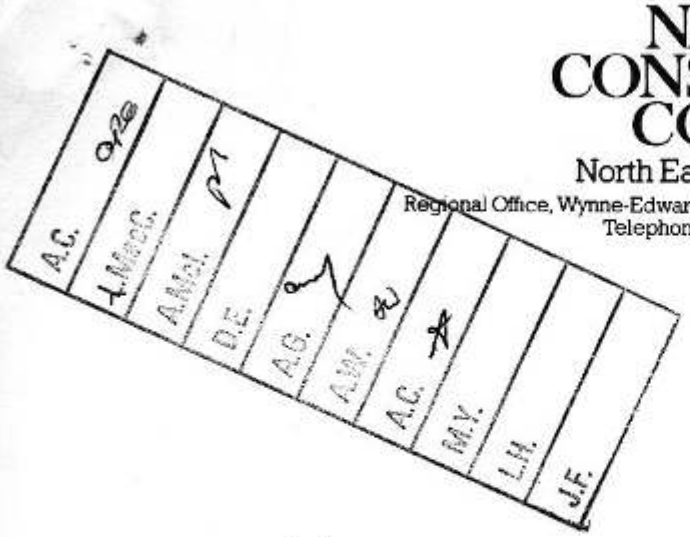
NATURE CONSERVANCY COUNCIL
North East (Scotland) Region
Regional Office, Wynne-Edwards House, 17 Rubislaw Terrace, Aberdeen AB1 1XE
Telephone: Aberdeen (0224) 642863



File Culbin Investigation Notes
S 18.1 (black folder)

Our Ref

Your Ref

Date 8 September 1985

Dear Mr Watson,

You may recall asking me for a copy of my report on the Culbin salt-marsh, when I came to Newton to return your key. I hope it is of interest to you: if you have any queries, please contact me at home, as I complete my contract with NCC today.

I enjoyed the privilege of driving through the Forest very much. Please convey my thanks to Mr Cram for allowing me to do so, and to Mr Gordon, Mr Forsyth and yourself for interesting and helpful conversations.

I hope to meet you again.

Yours sincerely,

N.B.–
~~Accompanying large folded map~~
~~(in large referenced envelope)~~
~~filed in mapping frank under 'Culbin'.~~
Now filed here at back of report. A.W.

Una Urquhart

Dr Una H Urquhart
76 Abergeldie Road
ABERDEEN
AB1 6EJ
0224 586436

Note of acknowledgement sent ✓
with ~~thanks~~. A.W.T.W. 18/9/85.
filed in N.C.C.

M.3 CULBIN

Grid Reference: NH 950615

Map Nos: 1:50,000 Sheet 27 (first series)

1:10,000 NH 96 SE (1977)
NH 96 SW (1975)
1:10,560 NH 95 NW

Size: 200 ha.

SSSI

Substrate

Sand or shingle.

Morphology

Culbin Forest SSSI includes the most extensive and most diverse salt-marsh in NE Scotland. The boundaries are shown on the accompanying outline map. It occurs primarily on sand, but also on small areas of shingle. The lower salt-marsh is inundated daily, but upper areas are flooded only rarely. The salt-marsh is generally accreting, although towards Nairn, on the SW arm of the marsh, erosion has occurred. In almost all areas of sand, the coastline now differs from that shown on the map. Creeks are frequent, and pools or pans occasional. The landward transition of the salt-marsh is to sand dune or forest boundary.

Vegetation

Communities present:

Pioneer	11	ha
Low/Mid Marsh	53	ha
Mid/Upper Marsh	120	ha
Drift line	2	ha
Upper Marsh Swamp	14	ha
Transition	3	ha

At the eastern end of the salt-marsh, there is an extensive shallow channel of bare sand, colonised by sparse Salicornia plants. This is surrounded by an area dominated by Puccinellia maritima with Armeria maritima and Suaeda maritima; in turn this community is surrounded by Armeria/Plantago sward, or else bounded by sand dunes.

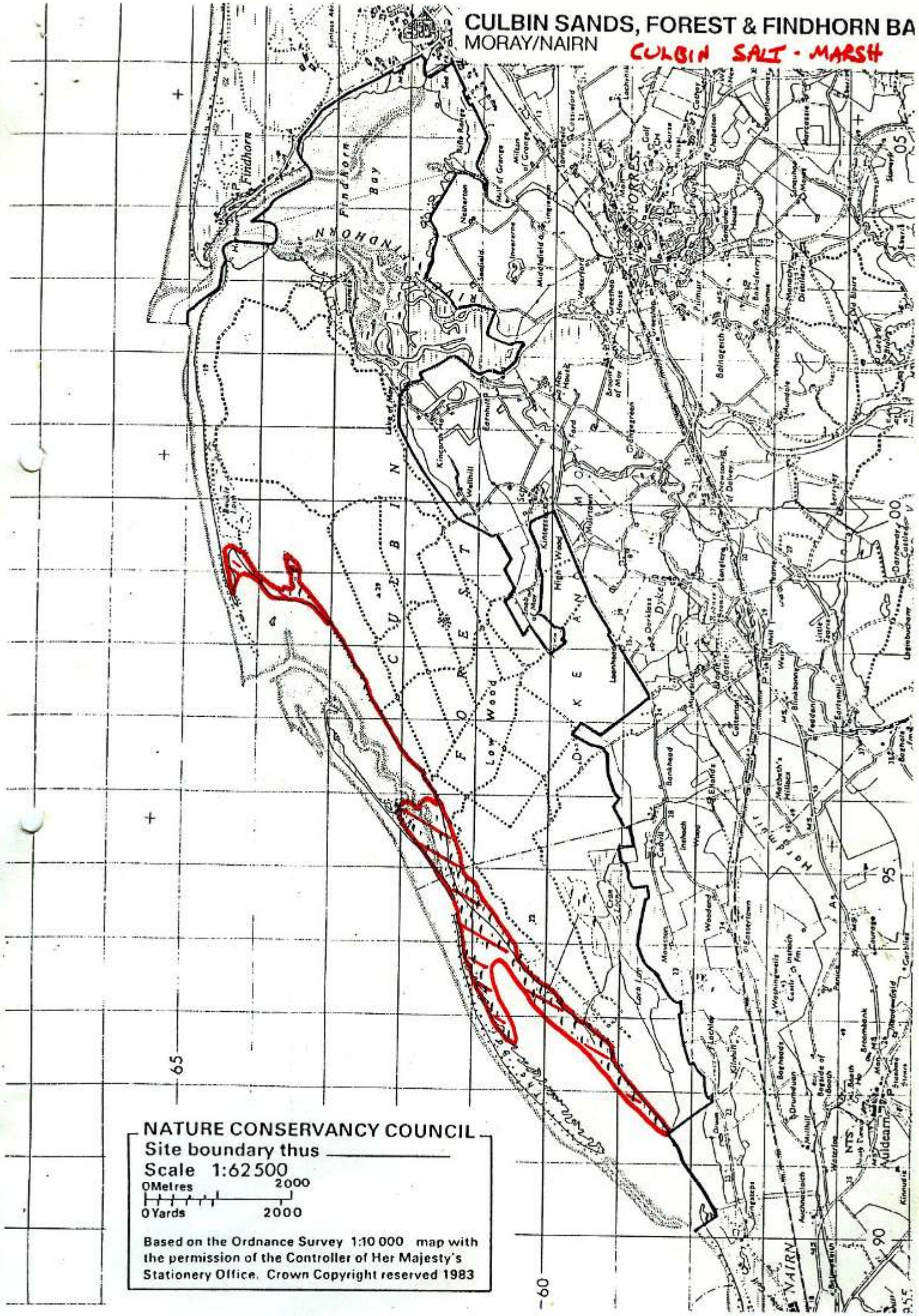
The central part of the salt-marsh is dominated by Festuca rubra with Juncus gerardii. This is generally separated by the high water-mark from the eastern central marsh, which consists of Puccinellia maritima with Triglochin maritima. The sea-ward edge of the Puccinellia community is accreting rapidly, and the coastal boundary differs from that shown on the map.

The most species-rich area of the Culbin salt-marsh is in the central part, NW of Low Wood. Although Festuca rubra and Juncus gerardii are predominant, they are interspersed with Upper Marsh Swamp species, such as Schoenoplectus tabernae-montana, Scirpus maritimus, Juncus balticus and Eleocharis uniglumis.

The western part of the salt-marsh is predominantly Armeria/Plantago sward.

On the shingle on the S. edge of the Bar, there are patches of Puccinellia maritima, and occasional pockets of Salicornia, which is also colonising the bare sand below the high water-mark.

The SW arm of the salt-marsh is also dominated by Puccinellia maritima, but is eroded at the sea-ward edges. Several patches of Upper Marsh Swamp species also occur here. This part of the salt-marsh is adjacent to the previous site described, Nairn East (M.2).


CULBIN SANDS, FOREST & FINDHORN BA
MORAY/NAIRN
CULBIN SALT - MARSH
NATURE CONSERVANCY COUNCIL
Site boundary thus
Scale 1:62500
0Metres 2000
0Yards 2000
Based on the Ordnance Survey 1:10 000 map with the permission of the Controller of Her Majesty's Stationery Office. Crown Copyright reserved 1983


Key
ONANCE SURVEY
Moray Firth
SHEET NH 96 SE
Culbin Forest

Site Name M.3. CULBIN SALT-MARSH | Site Area (ha) 200

District MORAY & NAIRN | County MORAY | NCC Region NE SCOTLAND

Grid Reference NH 950615 | 10 km square NH 96

Landward transition
- Natural ✓
- Un-natural ✓
- Sea wall
- Sand dune ✓
- Shingle
- Earth Cliff
- Rock Cliff
- Rocky shore
- Grassland
- Wetland
- Peatland
- Heathland
- Woodland ✓ FOREST
- Sewages
- Other

Creek Pattern
- Linear ✓
- Complex dendritic
- Pans ✓

Substrate
- Mud ✓
- Sand ✓
- Shingle
- Boulders
- Rock

Management
- Grazing
- Other

Status
- NNR
- LNR
- SSSI ✓
- NCR1
- NCR2
- CTN/RSPB resv.

- Coast eroding ✓
- Coast accreting ✓
- Mud mounds present

Spartina
- Invading
- Dying back

Communities	Presence	Area (ha)	%	Notes
1. Spartina				
(2.) Other Pioneer				
a) Salicornia/Suaeda	✓	11	6%	
b) Aster				
(3.) Low-Mid Marsh				
a) Puccinellia	✓	53	27%	
b) Halimione				
(4.) Mid-Upper Marsh				
a) Limonium/Armeria				
b) Puccinellia and Festuca with Plantago/Armeria/Glaux	✓	61 } 120	60%	
c) Juncus gerardii, Agrostis, Festuca	✓	59 }		
d) Communities of wet depressions				Bysmus rufus present often on strandline
e) Juncus maritimus				
(5.) Drift line				
a) Agropyron	✓	2	1%	
b) Suaeda fruticosa				
(6.) Upper Marsh Swamps (specify)				
a) Scirpus	✓	6 } 14	7%	
b) Phragmites				
c) Typha				
d) Schoenoplectus	✓	8 }		
(7.) Transition communities				
a) Dune transitions	✓			
b) Freshwater transitions (Specify)		3	+	

Date of Record 9-12 July 1985 | Record complete/satisfactory ✓

Threats to Site EXTENSION OF FOREST?

Notes

- Largest salt-marsh in NE Scotland

LOCALITY

HABITAT

Grid Ref.

SCOTLAND

Date 10-

V.C. No.

V.C.

Alt.

Code No

3	Acer	cam	194	Asple	tri	371	Carex	ela	535	Coeri	sat	728	Erica	cin	933	Glyce	flu			
5		pse	195		vir	374		ext	537	Coelo	vir	731		tet	934		max			
7	Achil	mil	204	Aster	tri	376		flacca	540	Conju	mac	740	Eriop	ang	935		ped			
9		pta	206	Astra	alp	377		*flava	541	Conop	maj	743		lat	936		pli			
12	Aciliu	arv	207		dan	381		hir	543	Convo	maj	744		vag	938	Gnaph	nor			
18	Adoxa	mos	208		gly	382		hos	545	Coral	tri	745	Erodi	*cic	939		sup			
20	Aegop	pod	210	Athyr	alp	385		lac	552	Coron	squ	753	Eroph	*ver	940		syl			
2241	Aescu	hip	211		fil	386		las	555	Coryd	cla	758	Erysi	mar	941		uli			
21	Aethu	cyn	212	Atrip	gla	387		lep	556		lut	763	Eupat	can	943	Goody	rep			
22	Agrim	eup	214		hos	388		lim	557	Coryl	ave	771	Eupho	exi	948	Gymna	con			
26	Agrop	cas	217		rib	389		mar	565	Cramb	mar	772		hel	951	Hamma	pal			
228		dac	218		pat	390		mic	569	Crata	mon	774		lat	952	Heder	hel			
231		rep	219	Atrop	bel	394		nor	571	Crepi	bie	777		peplus	955	Helia	cha			
235	Agros	ste	224	Bakke	ran	396		otr	572		cap	2243	Euphr	agy	961	Helio	pra			
239		rub	225	Ballo	nig	397		ova	574		mol	784		hot	962		pub			
40		ten	229	Barba	vul	399		pal	576		pol	785		bre	968	Herac	sph			
41	Aira	car	231	Belli	per	400		panicea	586	Crypt	cri	788		con	975	Hespe	mat			
42		pra	232	Berbe	vul	401		paniculata	592	Cynba	mur	789		cur	976	Hiera	pil			
45	Ajuga	pyr	234	Berul	ere	402		pauci	596	Cynog	off	791		fou	981	Hippu	vul			
46		rep	235	Beta	mar	403		pauper	597	Cynos	cri	792		fri	982	Hodce	lan			
48	Alche	alp	238	Betul	nan	405		pil	603	Cysto	fra	796		mic	984		mol			
50		fil	240		pub	408		pul	604		mon	798		nem	988	Houke	pec			
51		gla	239		ver	410		rar	607	Dacty	glo	807		sco	992	Horde	mur			
52		glo	241	Biden	cer	412		rem	620	Daucu	car	810	Fagus	syl	993		sac			
57		ves	242		tri	413		rip	626	Desch	alp	812	Festu	alt	998	Humul	lup			
58		*vul	244	Blech	spi	414		ros	627		cae	813		aru	999	Hydro	vul			
59		wic	245	Blysm	com	415		rup	628		fle	816		gig	1000	Hymen	tun			
60		xan	246		rub	417		sax	630	Ducu	sop	821		*ovi	1001		wil			
63	Alism	pla	248	Botry	lun	419		ser	635	Desma	rig	823		pra	1002	Hyosc	nig			
64	Allia	pet	250	Brach	syl	421		syl	640	Digit	pur	824		hab	1004	Hyper	cal			
68	Allia	ole	251	Brass	nap	423		vag	646	Dipsa	ful	830	Filag	ger	1006		dub			
71		sco	256	Briza	med	424		ves	651	Druba	inc	831		min	1010		hirsutum			
75		urs	262	Bromu	com	427	Carli	vul	653		rup	833	Filip	ulm	1011		hum			
76		vin	269		*mol	428	Carpi	bet	654	Drose	ang	834		vul	1014		per			

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77	Alisu	glu	270		mol	432	Cresta	sat	655		int	835	Foeni	vul	1015		pul		
82	Alope	gen	273		sec	433	Catab	aqu	657		rot	836	Fraga	ana	1016		tet		
85		pra	275		tho	444	Centa	nig	658	Dryas	oct	838		ves	1018	Hypoc	gla		
87	Alopec	arv	288	Buton	umb	446		sca	659	Dryop	abb	839	Frang	alu	1020		rad		
99	Anaga	arv	281	Calli	vul	450	Centa	lit	660		aem	841	Fraxi	exc	1023	Ilex	aqu		
100		ten	283	Calam	epi	451		min	661		aus	847	Fumar	cap	1028	Impat	gla		
103	Andro	pol	302	Calli	aut	456	Centu	min	662		bor	849		mic	1028		par		
105	Anemo	nem	303		int	458	Cepha	lon	664		*fil	851		mur	1038	Iris	pse		
108	Angel	arc	307		sta	460	Ceras	alp	665		fil	854		off	1045	Isoet	lac		
109		syl	305		ver	461		arv	666		spi	860	Galan	niv	1046	Isole	cer		
113	Anisa	ste	309	Callu	vul	464		cer	670	Echia	vul	867	Galeo	spe	1047		set		
116	Anten	dio	310	Calth	pal	465		edm	673	Eleoc	aci	868		*tet	1048	Jasio	mon		
117	Anthe	arv	311	Calys	sep	469		glo	674		mul	873	Galiu	apa	1050	Juncu	acuti		
118		cot	312		sol	469		sem	675		pal	874		bor	1054		art		
121	Antho	odo	313		syl	462		tet	677		pau	875		cru	1055		bal		
123	Anthr	neg	315	Campa	glo	468		mah	678		mah	878		her	1056		big		
125		syl	316		lat	473	Cater	off	679	Eleog	flu	879		*moi	1057		bot		
128	Anthy	vul	321		rapunculu	476	Chaer	tem	681	Elode	can	880		mol	1058		*bul		
127	Antir	maj	322		rot	477	Chama	aag	682	Elymu	are	882		pal	1061		cas		
131	Aphan	*arv	325	Capse	bur	478	Chama	sue	683	Empet	her	883		pum	1062		com		
132		arv	327	Carda	ama	480	Cheli	maj	684		*nig	887		uli	1063		cuc		
133		mic	328		fle	481	Cheno	*alb	686		nig	888		ver	1067		elf		
135	Apium	inu	329		hir	484		bon	687	Endym	non	891	Genis	ang	1069		ger		
141	Aquil	vul	331		pra	501	Cherl	sed	689	Epilo	adn	893		tin	1070		int		
142	Arabi	tha	332	Carda	pet	502	Chrys	leu	690		als	894	Genti	niv	1072		mar		
146	Arabi	hir	335	Cardu	cri	503		par	691		ana	897	Genti	*cam	1075		squ		
151	Arcti	lap	337		nut	504		seg	692		hir	901		*sam	1076		sub		
152		min	339		tan	505	Chrys	alt	695		mon	906	Geran	col	1077		tan		
155	Arcto	uva	341	Carex	acu	508		opp	696		obs	907		dis	1078		trifidus		
156	Arcto	alp	340		acuta	509	Cicho	int	697		pal	909		luc	1079		triglumis		
163	Arena	lep	343		aqu	510	Cicut	vir	698		par	911		mol	1080	Junip	com		
161		*ser	344		asp	511	Circa	alp	699		ped	913		pha	455	Kentr	rub		
162		ser	345		strata	512		int	700		ros	914		pra	1084	Knaut	arv		
165	Arnic	mon	349		big	513		lut	702	Epipa	atr	916		pus	1085	Kobre	sim		
169	Arrhe	ela	350		bin	515	Cirsi	arv	705		hel	918		rob	1087	Koele	gra		
170	Artem	abs	353		capillari	518		bet	708		pal	920		san	1098	Lamiu	alb		
172		mar	355		car	520		pal	712	Equis	arv	921		syl	1099		amp		
175		vul	357		con	522		vul	713		flu	923	Geum	int	1100		hyb		
178	Arum	mac	359		cur	524	Clayt	ala	714		hya	924		riv	1102		mol		
183	Asper	odo	362		dia	525		per	717		pal	925		urb	1103		pur		
185	Asple	adi	365		dio	530	Clino	vul	718		pra	929	Glaux	fla	1104	Lapsa	com		
189		mar	366		distans	531	Cochl	alp	720		syl	930	Glaux	mar	1107	Lathr	squ		
192		rut	367		disticha	532		ang	721		tel	931	Gloch	hed	1112	Lathy	mon		
193		sep	370		ech	533		dan	723		ver	932	Glyce	dec	1116		pra		

1117	Lathy	syl	1319	Myoso	cae	1504	Poa	nem	1679	Rhina	min	1867	Scrop	nod	2080	Trifo	cam		
1126	Lemna	min	1321		dis	1506		pra	1685		ste	1872	Scute	gal	2081		dub		
1128		tri	1320		his	1507		tri	1687	Rhodo	pon	1874		min	2087		med		
1129	Leont	aut	1322		pal	1514	Polyg	ser	1691	Rhyne	alb	1875	Sedum	acr	2091		pra		
1130		his	1323		sec	1515		vul	1694	Ribes	nig	1877		ang	2092		hyb		
1131		ley	1328	Myric	gal	1521	Polyg	amp	1695		spi	1881		rel	2101	Tulip	sax		
1133	Lepid	cam	1330	Myrio	alt	1522		*avi	1696		syl	1882		ros	2102		pal		
1139		ami	1331		spi	1525		bis	1697		uva	1885		tel	2108	Trell	eur		
947	Leuco	alb	1333	Myrrh	odo	1527		con	1703	Rorip	lal	1886		vil	2109	Tussi	far		
1143	Ligus	sco	1343	Narci	pse	1530		hyd	1705	Rosa	agr	1888	Selag	sel	2110	Typha	ang		
1144	Ligus	vul	1344	Nardu	str	1531		lap	1708		*can	1890	Sempe	tec	2111		lat		
1164	Linar	vul	1345	Narth	oss	1537		pec	1714		*rub	1891	Senec	aqu	2113	Ulex	eur		
1165	Linna	bor	1346	Nastu	mic	1543		viv	1719		spi	1889		jac	2113		gal		
1169	Linum	cat	1348		*off	1544	Polyp	vul	1722		*vil	1903		syl	2119	Ulmus	gla		
1172	Lista	cor	1347		ofl	1546	Polys	lob	1726	Rubus	cae	1904		vis	2122		pre		
1173		ova	1349		o x m	1547		lon	1728		*fru	1905		vul	2125	Umbil	rup		
278	Litho	arv	1350	Naumb	thy	1548		set	1729		ida	1908	Senle	cas	2126	Urtic	dio		
1174		off	1352	Neott	nid	1549	Popul	alb	1730		sax	1912	Shera	arv	2128		ura		
1175	Litto	uni	1356	Nupha	lut	1555		tre	1735	Rumex	*aca	1913	Sibba	pro	2129	Utric	int		
1177	Lobel	dor	1357		pum	1558	Potam	alp	1738		aco	1915	Siegl	dec	2130		min		
1180	Loise	pro	1358	Nymph	alb	1559		ber	1734		acetosa	1917	Silen	aca	2132		*vul		
1182	Lolin	mul	1361	Odont	ver	1561		col	1739		aqu	1923		cae	2133		vul		
1183		per	1363	Oenan	cro	1563		cri	1741		con	1926		mar	2136	Vacci	myr		
1188	Lonic	per	1364		fis	1566		fil	1742		crispus	1932	Sinap	alb	2137		uli		
1183	Lotus	uli	1377	Ononi	rep	1568		pra	1745		hyd	1933		arv	2138		vit		
1184		uli	1379	Onopo	aca	1569		luc	1746		ion	1938	Sisym	off	2139	Valer	dio		
1187	Lupin	noo	1381	Ophio	vul	1570		sat	1747		mar	1945	Smyrn	olu	2140		off		
1189	Luzul	arc	610	Orchi	ori	1571		nit	1748		obt	1947	Solan	dul	2143	Valer	dun		
1201		cam	608		fuc	1573		obt	1753		san	1951	Solid	vir	2145		ico		
1204		mul	1387		mes	1575		per	1756		ten	1952	Sonch	arv	2150	Verba	sig		
1207		pil	612		pra	1576		poi	1758	Ruppi	mar	1953		asp	2157		thapsus		
1208		spi	909		str	1584	Potam	nat	1761	Sagin	ape	1954		ole	2161	Veron	agr		
1209		syl	1383	Origa	vul	1585		arg	1762		cil	1957	Sorbu	*ari	2162		alp		
1210	Lychn	flo	1389	Oroba	alb	1587		cra	1765		mar	1960		auc	2163		ana		
1213	Lycop	alp	1431	Osmun	reg	1588		ere	1766		nod	1962	Sparg	min	2165		arv		
1214		ann	1413	Oxali	ace	1592		pal	1767		pro	1981		ram	2166		pur		
1215		cla	1418	Oxyco	mic	1594		rep	1768		sag	1983		sim	2168		cha		
1216		inu	1419		pal	1596		ste	1769		sub	1987	Sperg	arv	2170		fra		
1217		sel	1420	Oxyri	dig	1597		tab	1784	Salix	alb	1991	Spirg	aqu	2171		hed		
1218	Lycop	arv	1421	Oxytr	cam	1599	Poter	san	1784	Salix	alb	1992		rub	2172		mon		
1219	Lycop	eur	1422		hal	1604	Primu	aco	1785		arb	1990		sal	2175		ail		
1221	Lysim	nem	1424	Papav	arg	1605		ver	1787		aur	1999	Stach	amb	21.3		pur		
1225		vul	1428		dub	1607		vul	1788		cap	2001		arv	2176		poi		
1227	Lythr	sal	1430		rho	1610	Prune	vul	1789		*oin	237		off	2178		sca		
1230	Malus	syl	1433	Parap	str	1611	Prunu	avi	1793		fra	2003		pal	2180		sar		
1232	Malva	mos	1434	Parea	vis	1613		cerasus	1794		her	2005		syl	2188	Vibur	opu		

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1233		neg	1435	Paris	dif	1614		dom	1796		lap	2007	Stell	ala	2188	Vicia	sag		
1236		syl	1436	Paris	qua	1616		pad	1798		myr	2009		gra	2189		cra		
1239	Matri	cha	1437	Parna	pal	1617		spi	1797		nig	2010		boi	2191		hir		
1241		mar	1440	Pasti	sat	1619	Pteri	aqu	1799		pan	2011		*med	2196		oro		
1242		mat	1441	Pedic	pal	1620	Pucci	dis	1800		phy	2012		med	2197		sat		
1246	Mecon	cam	1442		syl	1622		pra	1801		pur	2014		nem	2198		sep		
1250	Medic	lup	1443	Penta	sem	1625	Pulic	dys	1802		rep	2020	Stell	ste	2199		syl		
1252		sat	1444	Pepli	por	1630	Pyrol	med	1803		ret	2021	Subul	aqu	2203	Vinca	min		
1256	Melam	pra	1447	Petas	hyb	1631		min	1804		tri	2022	Succi	pra	2206	Viola	arv		
1257		syl	1452	Peuce	cat	1632		rot	1805		vim	2024	Symph	off	2207		cua		
1258	Melan	alb	1454	Phala	aru	1638	Querc	pet	1806	Salsa	kal	2028		tub	2210		hir		
1259		rub	1459	Phleu	are	1640		rob	1814	Sambu	ebu	2033	Tanac	vul	2212		lut		
1262	Melic	nut	1460		com	1641	Radio	lin	1815		nig	2034	Tarax	agr	2214		odo		
1263		uni	1461		nod	1410	Ramis	sec	1817	Samol	vul	2036		*las	2215		pal		
1267	Melil	off	1463		pra	1642	Ranun	acr	1819	Sanic	eur	2035		*off	2217		rel		
1272	Menth	aqu	1465	Phrag	com	1643		aqu	1822	Sarot	sco	2037		*pal	2218		riv		
1273		arv	1466	Phyll	sco	1644		arv	1825	Sauss	alp	2038		*spe	2220		tri		
1289	Menya	tri	1474	Pilul	glo	1645		aur	1828	Saxif	aiz	2030	Taxus	bac	2226	Vulpi	bro		
1290	Mercu	ann	1476	Pimpi	sax	1647		bul	1830		gra	2046	Teucr		2227		myu		
1291		per	1480	Pingu	lus	1648		cir	1835		hyp			scorod	2237	Zanni	pal		
1292	Merte	mar	1481		vul	1649		flo	1836		niv	2047	Thali	alp	2238	Zerna	ere		
1294	Meum	ath	1484	Pinus	syl	1651		flammula	1837		opp	2049		min	272		rum		
1296	Milfu	eff	1485	Plant	cor	1653		hed	1842		ste	2050	Thely	dry	2240	Zoste	nan		
1298	Mimul	gut	1487		lan	1655		lia	1843		tri	2051		ore					
1299		lut	1488		maj	1660		repens	1847	Scand	pec	2053		pho					
1301	Minua	rub	1489		mar	1662		sar	1851	Schoe	lac	2058	Thlas	arv					
1304		ver	1490		med	1663		sos	1852	Schoe	nig	2060	Thymu	dru					
1305	Moehr	tri	1492	Plata	bif	1664		tri	1853	Schoe	nig	2065	Tilia	vul					
1307	Molin	cae	1493		chi	1667	Rapha	rap	1857	Scill	ver	2066	Toffe	pus					
1308	Mones	uni	1494	Poa	alp	1673	Resed		1860	Scirp	sam	2069	Toril	jap					
1312	Monti	*fon	1495		ann			luteola	1861		syl	1858	Trich	cae					
1315	Mycel	mur	1499		com	1676	Rhina	bor	1862	Scler	ann	2076	Trien	eur					
1317	Myoso	arv	1501		gla	1678		*min	1865	Scrop	aqu	2077	Trifo	arv					

Other Species

CUBBIN SALT-MARSH

TARGET NOTES FOR MAP

A Puccinellia maritima is dominant, with occasional Triglochin maritima, Armeria maritima, Glaux maritima, Suaeda maritima and Salicornia.

B Festuca rubra is frequent, but Plantago maritima is dominant, with abundant Armeria maritima, occasional Glaux maritima, Aster tripolium and Spergularia media.

C Bare sand being colonised by Salicornia sp. Where old tyre tracks are evident, the Salicornia appears more dense.

D Very eroded coast with sparse Puccinellia maritima. [Here the coastline is very different from that shown on the map; with no landmarks or surveying knowledge it was impossible to draw the new coastline.]

E Schoenoplectus tabernae-montana is dominant in some pans and creeks. Other creeks are dominated by Scirpus maritimus or Eleocharis uniglumis. Surrounding the creeks, Festuca rubra is dominant, with Juncus gerardii and occasionally Juncus balticus; Carex flacca also occurs.

F Although Festuca rubra is dominant and Juncus gerardii frequent, Armeria maritima and Triglochin maritima are also frequent or even locally dominant. Patches occur where F. rubra is very dense, excluding other herbs, but with occasional Agrostis canina and A. stolonifera.

G A small transition community, possibly towards bog, with conspicuous clumps of Schoenus nigricans associated with Festuca rubra, Trifolium repens and Centaurium littorale.

H Transition community towards heathland, with Elymus repens, Ammophila arenaria, Juncus effusus, Erica tetralix, Eriophorum angustifolium and Empetrum nigrum.

K Along with an area on The Bar, this community may be termed a Dune Transition Community. Festuca rubra is dominant, with frequent Armeria maritima, occasional Plantago maritima, Spergularia media, Glaux maritima and Ammophila arenaria.

L A mosaic of Festuca rubra communities with upper marsh swamp vegetation. As in other swamp areas, distinct patches of Schoenoplectus tabernae-montana or Eleocharis uniglumis or Scirpus maritimus dominate creeks.

M Eleocharis uniglumis is abundant, with both Atriplex littorale and Sonchus arvensis amongst Festuca rubra along the drier edges of creeks and pools.

N Festuca rubra is dominant, with abundant Carex arenaria and Triglochin maritima. Glaux maritima and Armeria maritima are frequent, with occasional Spergularia media and Aster tripolium.

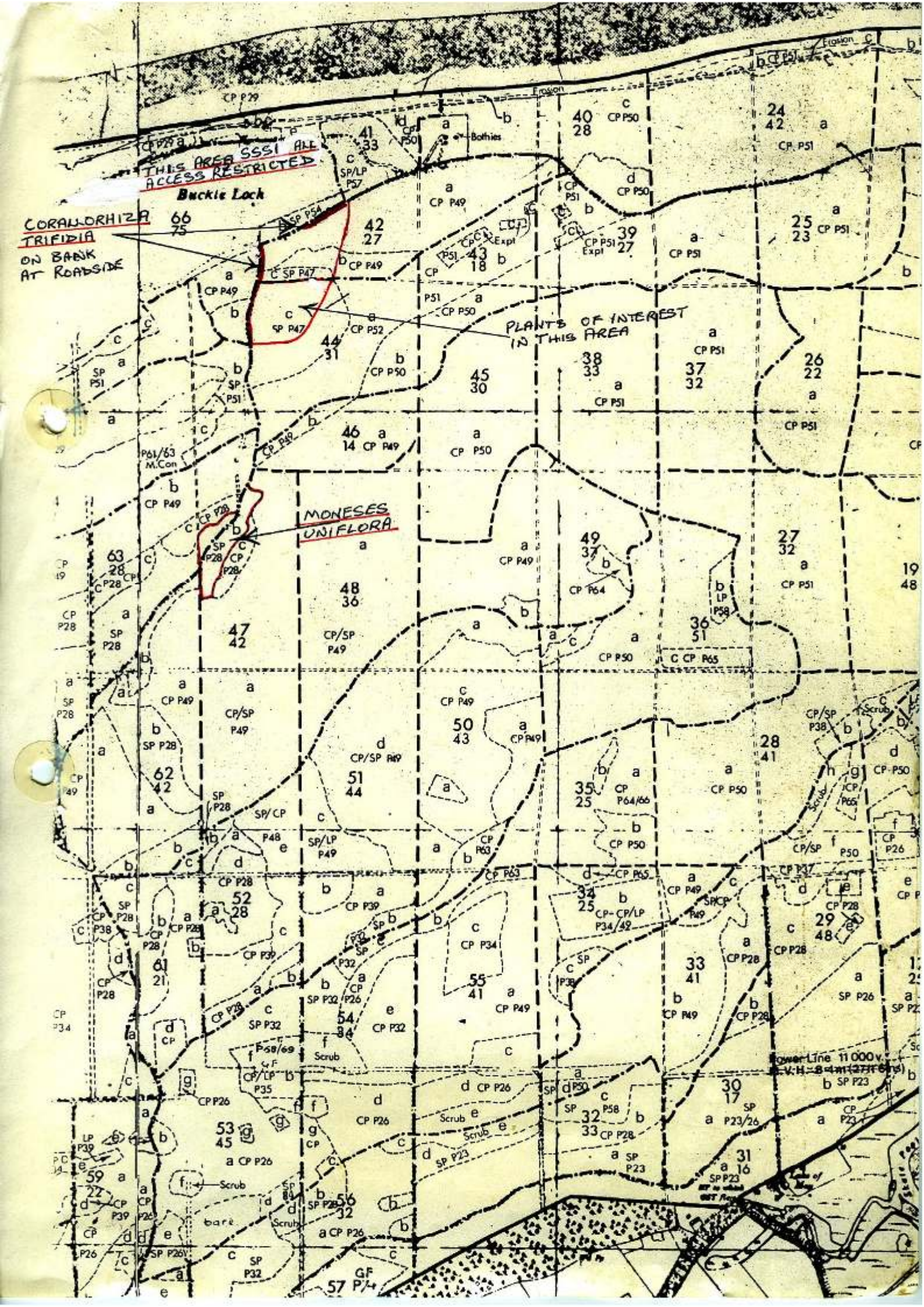
P At the edge of the narrow shingle bar there are patches of Glaux maritima, Armeria maritima, Honkenya peploides and Plantago maritima. On the nearby bare sand, Salicornia plants are scattered, along with Puccinellia maritima, Glaux maritima and Aster tripolium on a brown algal mat.

Q Juncus gerardii and Festuca rubra are abundant, along with Armeria maritima, Aster tripolium and Blysmus rufus. A Drift Line community, dominated by Elymus repens, follows the forest fence but is only c. 1 m wide. Silene maritima is frequent in this narrow Drift Community.

R Here the coast is accreting, and is very different from that shown on the map. Puccinellia maritima is dominant, with abundant Suaeda maritima, Spergularia media and Salicornia, and occasional Cochlearia officinalis. The bare sand is entirely colonised by isolated Salicornia plants.

S Armeria maritima is dominant with abundant Plantago maritima, Festuca rubra and frequent Glaux maritima. Suaeda maritima, Aster tripolium, Agrostis stolonifera and Triglochin maritima are occasional.

T Drift line community dominated by Elymus repens, with Atriplex littorale, Agropyron junceiforme, Cakile maritima and Salsola kali.


THIS AREA SSSI ALL ACCESS RESTRICTED
Buckle Loch
CORALLORHIZA TRIFIDIA ON BANK AT ROADSIDE
PLANTS OF INTEREST IN THIS AREA
MONESES UNIFLORA
Bothies
Erosion
Scrub
bare
Power Line 11 000 v. V.H.S 4m (27ft 6ins)