

1997 LOCH INVENTORY: SHETLAND ISLANDS

1919.1 = HU68
1919.2 = HU69

Code HU6802 Name Loch of Fuarzie Grid Ref HU654898
 Date 20/8/97 Surveyors MB/OLL Estate
 Area 4.10 ha Altitude 30 m Catchment ha Geology 26
 Water colour colourless Clarity clear Boat used No Secchi disc depth m
 Loch type 4 Edge type(s) S19b (NVC codes)
 Status Access 1 Road/houses present (underline)
 Land use % Open water Semi-natural Forestry Agriculture

Substrate types (underline main type, tick others present)

Bedrock
 Boulders (>30cm max. diam.) ☒
 Stones (5-30cm diam.)
 Gravel (4-50mm diam.) ☒
 Sand (0.1-4mm diam.)
 Silt (<0.1mm diam.) ☒
 Organic mud
 Peat
 Artificial embankment

USES AND DAMAGE

Use

Observations

Adjacent forestry
 Agricultural pollution
 Edge trampling Site open to stock
 Fishing (edge/boat)
 Litter
 Shooting
 Water abstraction

SURROUNDING LAND USE:

Rough pasture - sheep

FAUNA

Mammals

Birds

R.b. diversReptiles
Amphibians

Fish

SticklebackDragonflies &
other invertebrates

SPECIES DIVERSITY

RARE SPECIES

WATER CHEMISTRY

Edge 7 Scarce (*) Alkalinity 1.74 meq/l
 Open water 8 Red Data Book (**) Conductivity 650 μ S/cm
 Total 14 p.H. 8.53

1997 SHETLAND ISLANDS LOCH INVENTORY: AQUATIC PLANT SPECIES LIST

Code HU6802 Site name Loch of Fuzie Grid ref HU654898 Date 20/8/97

EMERGENT & EDGE SPECIES

Map code	Species	DAFOR	Other edge species	
Ags	<u>Agrostis stolonifera</u>	<u>F</u>	Cxd	<u>Carex viridula ssp. oedocarpa (=C. demissa)</u> F
Ber	<u>Berula erecta</u>	.....	Cxe	<u>Carex echinata</u>
Cas	<u>Callitriche stagnalis</u>	.....	Cxp	<u>Carex panicea</u> F
Cap	<u>Caltha palustris</u>	<u>0</u>	Cxpa	<u>Carex paniculata</u>
Cxa	<u>Carex aquatilis</u>	.....	Gp	<u>Galium palustre</u>
Cxli	<u>Carex limosa</u>	.....	Sa	<u>Senecio aquaticus</u>
Cxn	<u>Carex nigra</u>	<u>F</u>	Tp	<u>Triglochin palustre</u>
Cxro	<u>Carex rostrata</u>	.....	Vp	<u>Viola palustris</u>
Ca	<u>Catabrosa aquatica</u>	.....		
Des*	<u>Deschampsia setacea</u>	.....		
Elac	<u>Eleocharis acicularis</u>	.....		
Elm	<u>Eleocharis multicaulis</u>	.....		
Elp	<u>Eleocharis palustris</u>	<u>2/4F</u>		
Elq	<u>Eleocharis quinqueflora</u>	.....		
Elu	<u>Eleocharis uniglumis</u>	.....		
Eqf	<u>Equisetum fluviatile</u>	.....		
Eqp	<u>Equisetum palustre</u>	.....		
Eqxl	<u>Equisetum x litorale</u>	.....		
Era	<u>Eriophorum angustifolium</u>	.....		
Gld	<u>Glyceria declinata</u>	.....		
Glf	<u>Glyceria fluitans</u>	.....		
Hip	<u>Hippuris vulgaris</u>	.....		
Hyd	<u>Hydrocotyle vulgaris</u>	.....		
Ip	<u>Iris pseudacorus</u>	.....		
Jac	<u>Juncus acutiflorus</u>	.....		
Ja	<u>Juncus articulatus</u>	<u>F</u>		
Jb	<u>Juncus bulbosus</u>	.....		
Jc	<u>Juncus conglomeratus</u>	.....		
Je	<u>Juncus effusus</u>	.....		
Lit	<u>Littorella uniflora</u>	<u>F</u>		
Ma	<u>Mentha aquatica</u>	.....		
Mt	<u>Menyanthes trifoliata</u>	.....		
Mg	<u>Mimulus guttatus</u>	.....		
Mi	<u>Mimulus sp.</u>	.....		
Mon	<u>Montia fontana</u>	.....		
Myl	<u>Myosotis laxa</u>	.....		
Msc	<u>Myosotis scorpioides</u>	.....		
Msec	<u>Myosotis secunda</u>	.....		
Pam	<u>Persicaria amphibia</u>	.....		
Pha	<u>Phalaris arundinacea</u>	.....		
Phr	<u>Phragmites australis</u>	.....		
Pop	<u>Potentilla palustris</u>	.....		
Rfl	<u>Ranunculus flammula</u>	<u>0</u>		
Rh	<u>Ranunculus hederaceus</u>	.....		
Roi	<u>Rorippa islandica</u>	.....		
Rm	<u>Rorippa microphylla</u>	.....		
Rna	<u>Rorippa nasturtium-aquaticum</u>	.....		
Rxs	<u>Rorippa x sterilis</u>	.....		
Sl	<u>Schoenoplectus lacustris</u>	.....		
Sper	<u>Sparganium erectum</u>	.....		
Vaa	<u>Veronica anagallis-aquatica</u>	.....		
Vb	<u>Veronica beccabunga</u>	.....		
Vxl	<u>Veronica x lackschewitzii</u>	.....		
Vs	<u>Veronica scutellata</u>	.....		

SPECIES TOTAL

7

Note: * = Scarce plants (occurring in 16-100 10x10km squares in Great Britain) known to occur in the Scottish Environment Protection Agency North Region.

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All species names follow those in Stace 1991.

OLL5/97

1997 SHETLAND ISLANDS LOCH INVENTORY: AQUATIC PLANT SPECIES LIST

Code HU6802 Site name Loch of Fonzie Grid ref. HU654898 Date 20/8/97

SUBMERGED & FLOATING SPECIES

Map code	Species	DAFOR	Map code	Species	DAFOR
Api	<i>Apium inundatum</i>	.....	Chav/a	<i>Chara sp. virgata var annulata</i>	R/LF
Cah	<i>Callitriche hamulata</i>	.....	Nit	<i>Nitella sp.</i>	.....
Cher	<i>Callitriche hermaphrodita</i>	.....			.....
Cpla	<i>Callitriche platycarpa</i>	.....			.....
Cas	<i>Callitriche stagnalis</i>	.....			.....
Ca	<i>Callitriche sp.</i>	.....			.....
Ela	<i>Elatine hexandra</i>	.....			.....
Ef	<i>Eleogiton fluitans</i>	.....			.....
Fon	<i>Fontinalis antipyretica</i>	R			.....
Hip	<i>Hippuris vulgaris</i>	.....			.....
Hyd	<i>Hydrocotyle vulgaris</i>	.....			.....
Ise*	<i>Isoetes echinospora</i>	.....			.....
Isl	<i>Isoetes lacustris</i>	.....			.....
Jb	<i>Juncus bulbosus</i>	.....			.....
Lm	<i>Lemna minor</i>	.....			.....
Lit	<i>Littorella uniflora</i>	0/LF			.....
Lob	<i>Lobelia dortmanna</i>	.....			.....
Mal	<i>Myriophyllum alterniflorum</i>	0			.....
Msp	<i>Myriophyllum spicatum</i>	.....			.....
Na	<i>Nymphaea alba</i>	.....			.....
Pam	<i>Persicaria amphibia</i>	.....			.....
Pal	<i>Potamogeton alpinus</i>	.....			.....
Pbe	<i>Potamogeton berchtoldii</i>	.....			.....
Pfil*	<i>Potamogeton filiformis</i>	LF			.....
Pfr	<i>Potamogeton friesii</i>	.....			.....
Pxg	<i>Potamogeton x gessnacensis</i>	.....			.....
Pgr	<i>Potamogeton gramineus</i>	0/LF			.....
Pn	<i>Potamogeton natans</i>	.....			.....
Pxn	<i>Potamogeton x nitens</i>	.....			.....
Ppec	<i>Potamogeton pectinatus</i>	LF			.....
Pper	<i>Potamogeton perfoliatus</i>	R/LF			.....
Ppol	<i>Potamogeton polygonifolius</i>	.....			.....
Ppra	<i>Potamogeton praelongus</i>	.....			.....
Ppu	<i>Potamogeton pusillus</i>	.....			.....
Pr**	<i>Potamogeton rutilus</i>	.....			.....
Pxz	<i>Potamogeton x zizii</i>	.....			.....
Rb	<i>Ranunculus baudotii</i>	.....			.....
Rtr	<i>Ranunculus trichophyllus</i>	.....			.....
Ruc*	<i>Ruppia maritima</i>	.....			.....
Rum	<i>Ruppia cirrhosa</i>	.....			.....
Spa	<i>Sparganium angustifolium</i>	.....			.....
Spn	<i>Sparganium natans</i>	.....			.....
Sp	<i>Sparganium sp.</i>	.....			.....
Sub	<i>Subularia aquatica</i>	.....			.....
Uti	<i>Utricularia intermedia</i>	.....			.....
Um	<i>Utricularia minor</i>	.....			.....
Uo	<i>Utricularia ochroleuca</i>	.....			.....
Us	<i>Utricularia stygia</i>	.....			.....
Uva	<i>Utricularia vulgaris/australis</i> agg.	.....			.....
Ut	<i>Utricularia sp.</i>	.....			.....
Zan	<i>Zannichellia palustris</i>	.....			.....
					
					
					

SPECIES TOTAL

8

Other species not included in total:

Sphag *Sphagnum sp.*

Potamogeton identification
verified by C. D. Preston

Charophyte identification
verified by N.F. Stewart

Specimens:	<i>Chara sp.</i>
	<i>*C. virgata</i> 158/97
	<i>Nitella sp.</i>
	<i>Potamogeton sp.</i> Pf: 1 276/97; Ppa: 277/97; Ppec: 278/97; Pper: 279/97
	<i>Utricularia sp.</i>

Note: * = Scarce plants (occurring in 16-100 10x10km squares in Great Britain) known to occur in the Scottish Environment Protection Agency North Region.

** = Red Data Book Species (occurring in >15 10x10km squares in Great Britain) known to occur in the Scottish Environment Protection Agency North Region.

Chambered Cairn

Cattle
Grid

Loch of
Funzie

1997 LOCH INVENTORY

Target notes for

Loch of Funzie

Site code Hu6802

Date 20/8/97

- ① Gently sloping stoney shoreline, with low, grazed banks, often behind stone beach.
 Shoreline/draw-down zone: Cxn, Cxp, Cxd, Ags, Ja, Lit, Rfl, Molinia.
 Inshore: Ja, Lit, Elp (LF), Mal, For, generally sparse except for
 (1A) where Lit is more abundant.
 Offshore: generally no vegetation, except further offshore in parts (see T44)
- ② As ①, with more frequent vegetation inshore: Pgra, Mal, Pfil, Lit, Chora virg.
- ③ Narrow inflow over stones and silt: Ja
- ④ Ppec, Pgra over silt substrate in deeper water.
 (4A) as ④ + Pper.
- ⑤ Trickle inflow. Silty 'delta' with mixture of shoreline and grassland vegetation.
 Also: Pinguicula vulg, Eleocharis sp.