

1997 LOCH INVENTORY: SOUTH EAST SCOTLAND*

Code NN 6402 Name loch nan cat Grid Ref NN 645 426
 Date 18.9.97 Surveyors CEC + OLL Estate
 Area 13.3 ha Altitude 710 m Catchment ha Geology 18/24/35
 Water colour colourless Clarity clear Boat used / Secchi disc depth m
 Loch type 3 Edge type(s) (NVC codes)
 Status Ban hawers SSSI Access 4c 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

USE AND DAMAGE
 Observations

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

SURROUNDING LAND USE:

Rough grazing
Recreation - hill walking

FAUNA

Mammals Birds Reptiles Fish Dragonflies &
 Amphibians other invertebrates

SPECIES DIVERSITY

Edge 6
 Open water 10
 Total 16

RARE SPECIES

Scarce (*)
 Red Data Book (**)

WATER CHEMISTRY

Alkalinity 0.24 meq/l
 Conductivity 39 µS/cm
 p.H. 6.72

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* Includes Angus, City of Edinburgh, Clackmannanshire, Dundee City, East Lothian, Falkirk, Fife, Midlothian, Perth & Kinross, Scottish Borders, Stirling and West Lothian unitary authorities.

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[illegible]

Note:

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

** = Red Data Book Species (occurring in ≥15 10x10km squares in Great Britain) known to occur in the Scottish Environment Protection Agency East & West Regions

All species names follow those in Stace 1991.

OLLS/97

1997 SOUTH EAST SCOTLAND LOCH INVENTORY: AQUATIC PLANT SPECIES LIST

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SUBMERGED & FLOATING SPECIES

Map code	Species	DAFOR	Map code	Species	DAFOR
Api	<i>Apium inundatum</i>	.....	Pxn	<i>Potamogeton x nitens</i>	.....
Apd	<i>Aponogeton distachyos</i>	.....	Pob	<i>Potamogeton obtusifolius</i>	.....
Af	<i>Azolla filiculoides</i>	.....	Pxo	<i>Potamogeton x olivaceus</i>	.....
Bar	<i>Baldellia ranunculoides</i>	.....	Ppec	<i>Potamogeton pectinatus</i>	.....
Cah	<i>Callitriche hamulata</i>	<u>F/LA</u>	Pper	<i>Potamogeton perfoliatus</i>	<u>0/LA</u>
Cher	<i>Callitriche hermaphrodita</i>	.....	Ppol	<i>Potamogeton polygonifolius</i>	.....
Cao	<i>Callitriche obtusangula</i>	.....	Ppra	<i>Potamogeton praelongus</i>	<u>0/LA</u>
Cpla	<i>Callitriche platycarpa</i>	.....	Ppu	<i>Potamogeton pusillus</i>	.....
Cas	<i>Callitriche stagnalis</i>	.....	Pxsa	<i>Potamogeton x salicifolius</i>	.....
Ca	<i>Callitriche sp.</i>	.....	Pxsp	<i>Potamogeton x sparganiifolius</i>	.....
Ced	<i>Ceratophyllum demersum</i>	.....	Pxsu	<i>Potamogeton x suecicus</i>	.....
Crh	<i>Crassula helmsii</i>	.....	Pt*	<i>Potamogeton trichoides</i>	.....
Ela	<i>Elatine hexandra</i>	.....	Pxz	<i>Potamogeton x zizii</i>	.....
Elh*	<i>Elatine hydropiper</i>	.....	Ra	<i>Ranunculus aquatilis</i>	.....
Ef	<i>Eleogiton fluitans</i>	.....	Rb	<i>Ranunculus baudotii</i>	.....
Ec	<i>Elodea canadensis</i>	.....	Rc	<i>Ranunculus circinatus</i>	.....
En	<i>Elodea nuttallii</i>	.....	Rf	<i>Ranunculus fluitans</i>	.....
Fon	<i>Fontinalis antipyretica</i>	<u>R/LF</u>	Rxk	<i>Ranunculus x kelchoensis</i>	.....
Grd	<i>Groenlandia densa</i>	.....	Rp	<i>Ranunculus peltatus</i>	.....
Hip	<i>Hippuris vulgaris</i>	.....	Rpse	<i>Ranunculus penicillatus</i>	.....
Hmr	<i>Hydrocharis morsus-ranae</i>	.....		ssp. <i>pseudofluitans</i>	.....
Hyd	<i>Hydrocotyle vulgaris</i>	.....	Rtr	<i>Ranunculus trichophyllus</i>	.....
Ise*	<i>Isoetes echinospora</i>	.....	Rum	<i>Ruppia maritima</i>	.....
Isl	<i>Isoetes lacustris</i>	<u>LF</u>	Sas	<i>Sagittaria sagittifolia</i>	.....
Jb	<i>Juncus bulbosus</i>	<u>LF</u>	Spa	<i>Sparganium angustifolium</i>	<u>0/LA</u>
Lam	<i>Lagarosiphon major</i>	.....	Spem	<i>Sparganium emersum</i>	.....
Lg	<i>Lemna gibba</i>	.....	Spn	<i>Sparganium natans</i>	.....
Lm	<i>Lemna minor</i>	.....	Sp	<i>Sparganium sp.</i>	.....
Lt	<i>Lemna trisulca</i>	.....	Spp	<i>Spirodela polyrhiza</i>	.....
Lit	<i>Littorella uniflora</i>	.....	Sta	<i>Stratiotes aloides</i>	.....
Lob	<i>Lobelia dortmanna</i>	.....	Sub	<i>Subularia aquatica</i>	.....
Lun	<i>Luronium natans</i>	.....	Uti	<i>Utricularia intermedia</i>	.....
Lyp	<i>Lythrum portula</i>	.....	Um	<i>Utricularia minor</i>	.....
Mal	<i>Myriophyllum alterniflorum</i>	<u>F/LA</u>	Uo	<i>Utricularia ochroleuca</i>	.....
Msp	<i>Myriophyllum spicatum</i>	.....	Us	<i>Utricularia stygia</i>	.....
Nf*	<i>Najas flexilis</i>	.....	Uva	<i>Utricularia vulgaris/australis agg.</i>	.....
Nua	<i>Nuphar advena</i>	.....	Ut	<i>Utricularia sp.</i>	.....
Nul	<i>Nuphar lutea</i>	.....	Zan	<i>Zannichellia palustris</i>	.....
Nup*	<i>Nuphar pumila</i>	.....			
Nus	<i>Nuphar x spenneriana</i>	.....	Chavi	<i>Chara sp. vergata</i>	<u>F</u>
Na	<i>Nymphaea alba</i>	.....	Nit	<i>Nitella sp.</i>	.....
Nyp	<i>Nymphoides peltata</i>	.....			
Pam	<i>Persicaria amphibia</i>	.....			
Pil*	<i>Pilularia globulifera</i>	.....			
Pal	<i>Potamogeton alpinus</i>	.....			
Pbe	<i>Potamogeton berchtoldii</i>	<u>0/LF</u>			
Pcol*	<i>Potamogeton coloratus</i>	.....			
Pcom*	<i>Potamogeton compressus</i>	.....			
Pxco	<i>Potamogeton x cooperi</i>	.....			
Pcr	<i>Potamogeton crispus</i>	.....			
Pfil*	<i>Potamogeton filiformis</i>	.....			
Pfr	<i>Potamogeton friesii</i>	.....			
Pgr	<i>Potamogeton gramineus</i>	<u>LF</u>			
Plu	<i>Potamogeton lucens</i>	.....			
Pn	<i>Potamogeton natans</i>	.....			

SPECIES TOTAL

12

Other species not included in total:

Sphag *Sphagnum sp.*
Filamentous algae LF

Specimens:	<i>Chara vergata</i> 244/97
Chara sp.	
Nitella sp.	
Potamogeton sp.	Pgrac 412/97 Pper 410/97
Utricularia sp.	Ppra 411/97 Pbe 409/97

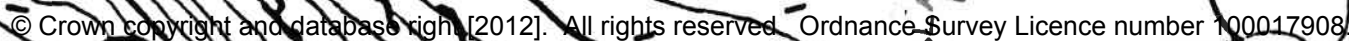
Note: * = Scarce plants (occurring in 16-100 10x10km squares in Great Britain) known to occur in the Scottish Environment Protection Agency Potamogeton identification

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Charophyte identification
verified by N.F. Stewart

OLLS/97



Hill loch within acid grassland and blanket mire with M12 flushes to N + W shores.

Predominantly stony substrate with bouldery edges and deeper softer sediments in centre and at western end of loch.

Cah and Mal frequent with Jb. Potamogetons in deeper silts with beds of Spa. Isoetes in NW corner of loch.