

1988 INVERNESS DISTRICT
LOCH SURVEY

6310

Loch name Loch Duntelchaig .. Estate Aldourie .. No NH
 Grid reference NH 624 315 .. Date surveyed 27/8/88
 Site code No. 80
 Loch size 500 .. ha. Altitude 230 .. m Surveyor's name S.B./F.B. ..
 Catchment size 2.150 .. ha. Boat used X .. Secchi disk depth ..
 Water colour Colourless .. Water clarity Clear, although slight silt suspension due to strong winds
 Loch type 3 .. Edge type None ..
 Catchment Geology Undifferentiated Moine (+ mica - schist) ORS
(Base poor + intermediate)

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	AREA AFFECTED	DAMAGE
Water abstraction	<input checked="" type="checkbox"/>	see map: water supply
Sewage inflow
Agricultural pollution	<input checked="" type="checkbox"/>	Some improved grassland, many grazing sheep + cattle on N shore
Edge trampling
Adjacent forestry	<input checked="" type="checkbox"/>	See map
Fishing (Edge/boat)	<input checked="" type="checkbox"/>
Shooting (Cartridges)
Others	Witter, camp fire sites

Fauna

Birds Mallard Mammals Reptiles Dragonflies Fish
 Amphibians and other Invertebrates

Species diversity Conductivity: 81 .. umhos Detailed water analysis X
 Edge: 11 .. pH: 7.45 ..

Site name Dunboldchag Gr NM624.315 No. NH6310

Site name Gr No

EMERGENT AND EDGE SPECIES:

Mapcode	DAFOR	Map code	DAFOR
Ag	<u>Agrostis stolonifera</u>	Myl	Myosotis laxa
Bu	Butomus umbellatus	Mac	Myosotis scorpiodes
Cap	<u>Caltha palustris</u>	Nas	Nasturtium officinale
Cxa	Carex aquatilis	Oc	Oenanthe crocata
Cxl	Carex lasiocarpa	Pa	Phalaris arundinaceae
Cxl	Carex limosa	Pha*	Phragmites australis
Cxn	<u>Carex nigra</u>	Pop	Potentilla palustris
Cxr	Carex rostrata	REL	<u>Ranunculus flammula</u>
Cxv	Carex vesicaria	Sl	Scirpus lacustris
Elm	Eleocharis multicaulis	St*	Scirpus tabernaemontanae
Elp	Eleocharis palustris	Sper	Sparganium erectum
Era	Eriophorum angustifolium	Spem	Sparganium emersum
Glf	<u>Glyceria fluitans</u>	Tl*	Typha latifolia
Hip	Hippuris vulgaris	Vb	Veronica beccabunga
Hyd	<u>Hydrocotyle vulgaris</u>	Vaa*	Veronica anagallis-aquatica
Ip	Iris pseudacorus	Vs	Veronica scutellata
Ja	<u>Juncus articulatus</u>	Ef	<u>Equisetum fluviatile</u>
Jb	Juncus bulbosus	Ep	<u>Equisetum palustre</u>
Jc	<u>Juncus conglomeratus</u>		Species total
Je	<u>Juncus effusus</u>		Other edge species
Lit	Littorella uniflora	Cxd	<u>Carex demissa</u>
Lyc	Lycopodiella inundata	Cxe	<u>Carex echinata</u>
Lyp	Lythrum portula	Cxp	<u>Carex panicea</u>
Ma	<u>Mentha aquatica</u>	Cxpa	Carex paniculata
Mt	Menyanthes trifoliata	Fu	<u>Fluendula ulmaris</u>
Mg	Mimulus guttatus	Sa	Senecio aquaticus
Ml	Mimulus luteus	Tp	Triglochin palustris
Mon	Montia fontana	Vp	Viola palustris

* species requiring special protection within the HRPB area (Palmer & Newbold 1977)
 ** species occurring in less than 100 10 x 10 km squares in Great Britain.

SUBMERGED AND FLOATING SPECIES

Map code	DAFOR	Map code	DAFOR
Api*	Apium inundatum	Pgr	Potamogeton graminus
Ba *	Baldella ranunculoides	Pn	Potamogeton natans
Cah	Callitriche hamulata	Pxn	Potamogeton x nitens
Cher**	Callitriche hermaphroditica	Pob *	Potamogeton obtusifolius
Cpla	Callitriche platycarpa	Ppec*	Potamogeton pectinatus
Ca5	Callitriche stagnalis	Pper	Potamogeton perfoliatus
Ec	Elodea canadensis	Ppra**	Potamogeton pro-languus
Fon	<u>Fontinalis antipyretica</u>	LP	<u>Potamogeton polygonifolius</u>
Hip	Hippuris vulgaris	Ppu *	Potamogeton pusillus
Hyd	Hydrocotyle vulgaris	Pr *	Potamogeton rutilus
Isl	Isoetes lacustris	Pxz	<u>Potamogeton x zizii</u>
Iss **	Isoetes setacea	Ra *	Ranunculus aquatilis
Jb	<u>Juncus bulbosus var fluitans</u>	RP *	Ranunculus peltatus
Lm *	Lemna minor	Rt *	Ranunculus trichophyllus
Lit	<u>Littorella uniflora</u>	Sf	Scirpus fluitans
Lob	Lobelia dortmanna	Spa	Sparganium angustifolium
Lur	Luronium natans	Spmi	Sparganium minimum
Mal	<u>Myriophyllum alterniflorum</u>	Sub **	Subularia aquatica
Msp	Myriophyllum spicatum	Uti	Utricularia intermedia
Na	Nymphaea alba	Um	Utricularia minor
Nup **	Nuphar pumila	Uva	Utricularia vulgaris/australis
Pil **	Piluria globulifera	Une	Utricularia neglecta
Pam	Polygonum amphibium	Zan *	Zannichellia palustris
Ph	Polygonum hydropiper	Cha	Chara sp
Pal	Potamogeton alpinus	Nit	Nitella sp
Pbe	Potamogeton berchtoldii	Species total	
Pcr *	Potamogeton crispus		
Pfr **	Potamogeton friesii		
Pfil **	Potamogeton filiformis		

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Glen Aibyn

Scale 1:10,000

Ashie Moor

LOCHAN FOREST
APPROX 30MT FROM
LOCH SHORE

IMPROVED
Water level 215 metres above Newlyn datum 1960

Loch Duntelchaig

exposed
No veg.

Winter water level 215 metres above Newlyn datum 1960

BIRCH WILLOWS
RIVER SCRUB
WITH BULLOCK
BUSHES MYRICAETES

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Tom Bailgeann

Tom na

Tom na Croich

Ballechar