

Code ^{NG} 4219 Name Cair. A Ghrunda Grid Ref NG 451202.
 Date 7/7/89 Surveyors K.S Estate
 Area 4.0 ha Altitude 650 m Catchment 58 ha Geology UB 32
 Water Colour Colourless Clarity clear Boat used Secchi disk depth
 Loch type 1 Edge type(s)
 Status Access 4b Road/houses Present (underline) X
 Land Use : Open Water 77 Semi-natural 938 Forestry X Agriculture X
 Sea distance 3.6 km

Substrate types (underline main type
tick others present)

☒ Bedrock
☒ Boulders (>30 cm 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		
Sewage inflow		
Agricultural pollution		
Edge trampling		
Adjacent forestry		
Fishing (Edge/boat)		
Litter		
.....		

<u>Fauna</u>	Mammals	Reptiles	Dragonflies	Fish
Birds		Amphibians	and other	
			Invertebrates	

Species diversity

Edge: 2
 Open Water 1
 Total 2

Detailed water analysis Yes 26

Conductivity 59
 pH 5.85

Rare Species

National

Rare in River Purification Board

Other

Site name *Sav. A. Ghyndae* No. *451202* No. *194219*

Site name Gr No

EMERGENT AND EDGE SPECIES:

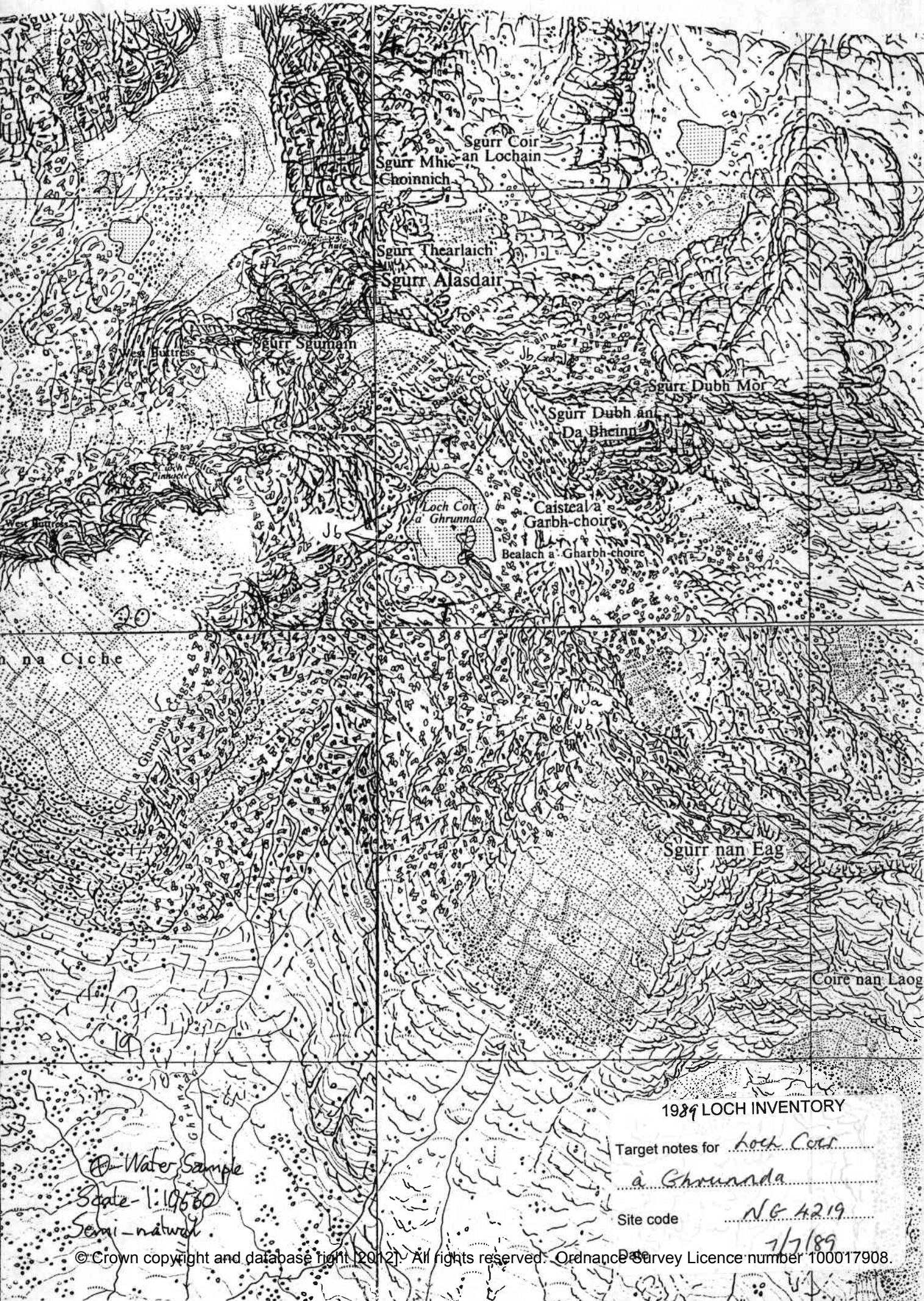
Map code	DAFOR	Map code	DAFOR
Agst	Agrostis stolonifera	S1	Scirpus lacustris
Berul	Berula erecta	St*	Scirpus tabernaemontanae
Cap	Caltha palustris	Sper	Sparganium erectum
Cxl	Carex lasiocarpa	Spem	Sparganium emersum
Cxl	Carex limosa	Ta	Typha angustifolia
Cxrd	Carex rostrata	Vb	Veronica beccabunga
Cxv	Carex vesicaria	Vs	Veronica scutellata
Elm	Eleocharis multicaulis	Eqf	Equisetum fluviatile
Elp	Eleocharis palustris	Eqp	Equisetum palustre
Elq	Eleocharis quinqueflora		Species total
Era	Eriophorum angustifolium		Other edge species
Gld	Glyceria declinata	Cxd	Carex demissa
Glf	Glyceria fluitans	Cxe	Carex echinata
Hlp	Hippuris vulgaris	Cxp	Carex panicea
Hyd	Hydrocotyle vulgaris	Cxpa	Carex paniculata
Ip	Iris pseudacorus	Gp	Galium palustre
Ja	Juncus articulatus	Gr	Geum rivale
Jb	Juncus bulbosus	Sa	Senecio aquaticus
Jc	Juncus conglomeratus	Tp	Triglochin palustris
Je	Juncus effusus	Vp	Viola palustris
Lit	Littorella uniflora		
Lyc	Lycopodiella inundata		
Ma	Mentha aquatica		
Mt	Menyanthes trifoliata		
Mig	Mimulus guttatus		
Mil	Mimulus luteus		
Mim	Mimulus moschatus		
Myl	Myosotis laxa		
Msc	Myosotis scorpiodes		
Nas	Nasturtium officinale		
Oc	Oenanthe crocata		
Pha	Phalaris arundinacea		
Phr	Phragmites australis		
Pop	Potentilla palustris		
Rfl	Ranunculus flammula		

* 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
All*	Alisma lanceolatum	Plu*	Potamogeton lucens
Api*	Apium inundatum	Pn	Potamogeton natans
Bar*	Baldellia ranunculoides	Pxn	Potamogeton x nitens
Cah	Callitriche hamulata	Pper	Potamogeton perfoliatus
Cher**	Callitriche hermaphrodita	Ppol	Potamogeton
Cas	Callitriche stagnalis		polygonifolius
Ela**	Elatine hexandra	Ppra**	Potamogeton praelangus
Ese**	Eriocaulon septangulare	Rhe	Ranunculus hederaceus
Fon	Fontinalis antipyretica	Rtr*	Ranunculus trichophyllus
Hip	Hippuris vulgaris	Rma*	Ruppia maritima
Hyd	Hydrocotyle vulgaris	Rsp**	Ruppia spiralis
Isl	Isoetes lacustris	Sf	Scirpus fluitans
Iss**	Isoetes setacea	Spa	Sparganium angustifolium
Ish	Isoetes hybrid?	Spmi	Sparganium minimum
Jb	Juncus bulbosus	Spem	Sparganium emersum
	var fluitans	Sub**	Subularia aquatica
Lm*	Lemna minor	Uti	Utricularia intermedia
Lit	Littorella uniflora	Utm	Utricularia minor
Lob	Lobelia dortmanna	Utu	Utricularia vulgaris/australis
Mal	Myriophyllum alterniflorum	Uts	Utricularia spp
Msp	Myriophyllum spicatum	2pa*	Zannichellia palustris
Na	Nymphaea alba	Cha	Chara sp
Nul*	Nuphar lutea	Nit	Nitella sp
Pil**	Pilularia globulifera		Species total
Pam	Polygonum amphibium		
Ph	Polygonum hydropiper		
Pal	Potamogeton alpinus		
Pbe	Potamogeton berchtoldii		
Pcr*	Potamogeton crispus		
Pcol**	Potamogeton coloratus		
Pfil**	Potamogeton filiformis		
Pfir**	Potamogeton friesii		
Pgr	Potamogeton graminus		

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WATER CHEMISTRY

SKYE AND LOCHALSH - 1989

Loch Name *Coir A'GHRUNDA*..... Grid Reference *NG 451202*..... Code *NG4219*

Determinant	Loch Sample	Total Sample (n) mean	Total Sample (n) Standard deviation	Total Sample (n) Range
Ammonia Nitrogen (as N)	0.080	0.053	0.058	ND*-0.312
Nitrate (as N)	0.233	0.039	0.065	ND*-0.233
Total Alkalinity (as CaCO ₃)	1.25	11.40	14.34	ND*-58.80
Chloride (as Cl)	18.0	19.6	11.8	5.0-57.0
Ortho Phosphate (as P)	ND	0.0004	0.0001	ND*-0.0050
Total Phosphorus (PO ₄ + P)	ND	0.004	0.004	ND*-0.024
Aluminium (as Al)	0.05	0.022	0.023	ND*-0.086
Calcium (as Ca)	1.13	3.59	3.18	0.42-21.33
Magnesium (as Mg)	1.06	1.70	1.30	0.02-5.98
Potassium (as K)	0.31	0.39	0.27	0.09-1.20
Silicate (as SiO ₂)	1.633	1.473	1.975	0.055-11.477

For all determinants n = 56 except Magnesium n = 50.

ND* - Not Detectable (taken to be zero in calculating total sample means)

Results in mg l⁻¹