

1988 NW SUTHERLAND LOCH SURVEY

Loch name Loch na Claise Estate Assynt NC No 0310
 Grid reference NC 039307 Date surveyed 31 August 1988
 Loch size 9.0 ha. Altitude 15 m Surveyor's name CH + LG
 Catchment size 176 ha. Boat used No Secchi disk depth -
 Water colour Pale Brown Water clarity Clear
 Loch type 3 Edge type(s) S4 (M/subcom.y) S8 (F/subd)
 Catchment Geology TS S19 (hit. subcom.y)

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
Sewage inflow
Agricultural pollution
Edge trampling
Adjacent forestry
Fishing (Edge/boat)
Shooting (Cartridges)
Others <u>litter</u>

<u>Fauna</u>	Mammals	Reptiles	Dragonflies	Fish
Birds		Amphibians	and other	
<u>Heron</u>			Invertebrates	
<u>Snipe</u>				
<u>Mallard</u>				
<u>Reed bunting</u>				
<u>Lapwing</u>				

Species diversity Conductivity: 153.5 umhos Detailed water analysis 29.8.88
 Edge: 15 pH : 6.58 (Date if different from above)
 Open Water 15
 Total 29

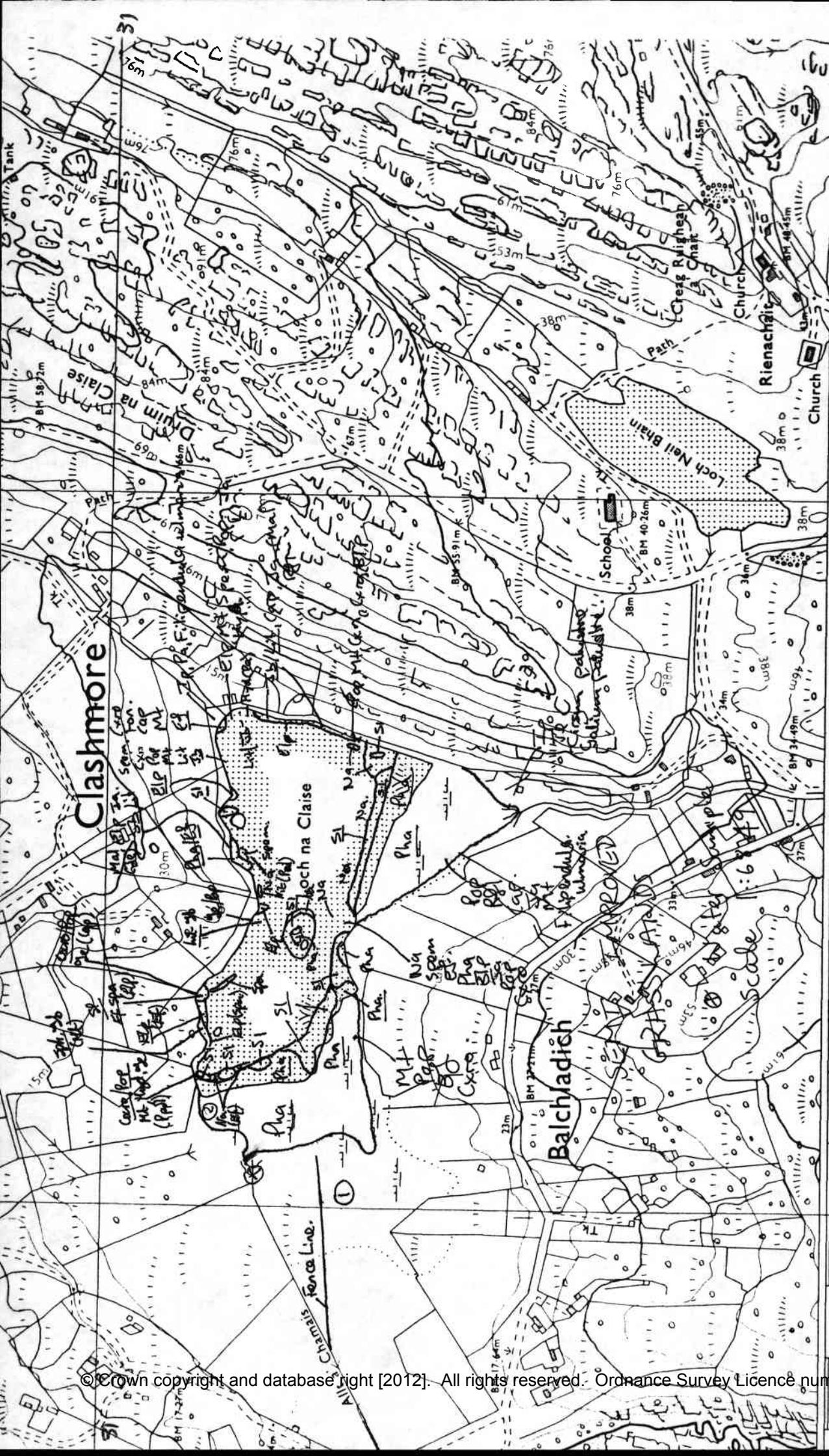
EMERGENT AND EDGE SPECIES:

Map code	DAFOR	Species	Map code	DAFOR
Ag	.....	<u>Agrostis stolonifera</u>	Pha	Phragmites australis
Ca	F.....	<u>Callitriche palustris</u>	Pam	Polygonum amphibium
Cc	.....	<u>Carex aquatilis**</u>	Pop	Potentilla palustris
Ccl	.....	<u>Carex lasiocarpa</u>	Rfl	Ranunculus flammula
Ccl	.....	<u>Carex limosa</u>	Ris	Rorippa islandica
Ccl	LF.....	<u>Carex nigra</u>	Sl	Scirpus lacustris
Ccr	LA.....	<u>Carex rostrata</u>	Sper	Sparganium erectum
Cv	.....	<u>Carex vesicaria</u>	Spem	Sparganium emersum
El	LA.....	<u>Eleocharis palustris</u>	Vb	Veronica beccabunga
Era	.....	<u>Eriophorum angustifolium</u>	Vaa	Veronica anagallis-aquatica*
Gl	.....	<u>Glyceria fluitans</u>	Vs	Veronica scutellata
Hip	.....	<u>Hippuris vulgaris</u>	Ef	Equisetum fluviatile
Hv	LF.....	<u>Hydrocotyle vulgaris</u>	Ep	Equisetum palustre
Ips	.....	<u>Iris pseudacorus</u>		
Jf	F.....	<u>Juncus articulatus</u>		
Jb	.....	<u>Juncus bulbosus</u>		
Jef	LF.....	<u>Juncus effusus</u>		
Lb	.....	<u>Littorella uniflora</u>		
Lc	.....	<u>Lycopodiella inundata**</u>		
Lp	.....	<u>Lythrum portula</u>		
M	.....	<u>Mentha aquatica</u>		
Mt	LA.....	<u>Menyanthes trifoliata</u>		
Mg	.....	<u>Mimulus guttatus</u>		
Mof	.....	<u>Montia fontana</u>		
My	.....	<u>Myosotis laxa/caespitosa</u>		
Ms	.....	<u>Myosotis scorpioides</u>		
Nso	.....	<u>Nasturtium officinale</u>		
Pa	LF.....	<u>Phalaris arundinacea</u>		

SUBMERGED AND FLOATING SPECIES

Map code	DAFOR	Species	Map code	DAFOR
Api	.....	<u>Apium inundatum*</u>	Pper	Potamogeton perfoliatus
Cah	.....	<u>Callitriche hamulata</u>	Ppra	Potamogeton praeloanus*
Cher	.....	<u>Callitriche hermaphrodita**</u>	Ppol	Potamogeton polygonifolius
Cpla	.....	<u>Callitriche platycarpa</u>	Ppu	Potamogeton pusillus*
Cas	.....	<u>Callitriche stagnalis</u>	Ra	Ranunculus aquatilis
Hip	.....	<u>Hippuris vulgaris</u>	Rtr	Ranunculus trichophyllus
Hyd	LF.....	<u>Hydrocotyle vulgaris</u>	Sf	Scirpus fluitans
Isl	.....	<u>Isoetes lacustris</u>	Spa	Sparganium angustifolium
Iss	.....	<u>Isoetes setacea**</u>	Sub	Subularia aquatica**
Jb	A.....	<u>Juncus bulbosus var. fluitans</u>	Uti	Utricularia intermedia
Lm	.....	<u>Lemna minor (* in NW)</u>	Um	Utricularia minor
Lit	LA.....	<u>Littorella uniflora</u>	Uva	Utricularia vulgaris/australis
Mal	O.....	<u>Myriophyllum alterniflorum</u>	Une	Utricularia neglecta
Msp	.....	<u>Myriophyllum spicatum</u>	Zan	Zannichellia palustris
Na	LA.....	<u>Nymphaea alba</u>	Cha	Chara globularis var. vegeta
Nup	.....	<u>Nuphar pumila</u>	Nit	Nitella flexilis var. flexilis
Pil	.....	<u>Pilularia globulifera**</u>	Fon	Fontinalis antipyretica
Pam	.....	<u>Polygonum amphibium</u>	Lob	Lobelia dortmanna
Pal	LF.....	<u>Potamogeton alpinus</u>		
Pbe	LF.....	<u>Potamogeton bertholdii</u>		
Pcr	.....	<u>Potamogeton crispus*</u>		
Pfil	.....	<u>Potamogeton filiformis**</u>		
Pfr	.....	<u>Potamogeton friesii**</u>		
Pgr	LF.....	<u>Potamogeton gramineus</u>		
Pn	.....	<u>Potamogeton natans</u>		
Pxn	.....	<u>Potamogeton X nitens</u>		
Pob	.....	<u>Potamogeton obtusifolius</u>		
Ppec	.....	<u>Potamogeton pectinatus</u>		

Charophyte identification verified by J.M. Moore



ASSYNT CP

LONG
5° 20' W

04

CAITHNESS AND SUTHERLAND CO CONST

21'

03

- (1) Large marshy area to the west of the Extensive Phragmites Bed.

Species include the following:-

Phragmites australis
Menyanthes trifoliata
Potentilla palustris
Potamogeton polygonifolius
Carex rostrata
Caltha palustris
Eriophorum angustifolium
Juncus articulatus
Ranunculus flammula
Juncus effusus
(Salix alba)
Senecio aquaticus
Iris pseudacorus
Equisetum fluvatile

- (2) Marshy area in Phragmites bed to the north of the outflow.

Achillea ptarmica
Angelica sylvestris
Carex rostrata
Equisetum fluviatile
Filipendula ulmaria
Epilobium palustre
Galium palustre
Hydrocotyle vulgaris
Iris pseudacorus
Pedicularis palustris
Menyanthes trifoliata
Montia fontana
Phragmites australis
Potentilla palustris
Eriophorum angustifolium
Juncus articulatus
J. effusus
Ranunculus flammula
Senecio aquaticus
Succisa pratensis
Vicia sepium
Sphagnum sp.