

6/7/83 19021

TK

1987 SUTHERLAND/~~CATTNESS~~ LOCH SURVEY

NC 7301

Loch name Rimsdale Estate SYRE No. EK1

Grid reference NC 740 355 Date surveyed 24.8.87

Loch size 329.6 ha, Altitude 120 m Surveyor's name CE EWKONS

Water colour Brown Water clarity clear

Loch type VIIIa 3 Catchment Geology 95% INJECTION COMPLEX OF GRANITES AND GRANULITES.

Edge type: No obvious edge type 5% MICA-SCHIST WITH GRANITE AND ORS

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.) *much*
- Silt (< 0.1mm diam.)
- Organic mud
- Peat
- Artificial embankment

Uses and Damage

USE	AREA AFFECTED	DAMAGE
Water abstraction		
Sewage inflow		
Agricultural pollution		
Edge trampling by livestock	<input checked="" type="checkbox"/> <u>sheep on sand</u>	
Forestry - vehicles		
- run off ?	<u>by FC Plantation</u>	<u>algal (pink/brown)</u>
Fishing (Edge/boat)		
Shooting (Cartridges)		
Others		

Fauna

- |                       |         |                       |                      |
|-----------------------|---------|-----------------------|----------------------|
| Birds                 | Mammals | Molluscs              | Dragonflies          |
| <u>2 Red breasted</u> |         | <u>Lymnaea percyi</u> | <u>Aeshna juncea</u> |
| <u>3 teal</u>         |         |                       |                      |
| <u>17 Mallard</u>     |         |                       |                      |

Species diversity 2 Rumped Plover  
2 Whistling Swans  
3 Divers  
 Conductivity: 75 umhos  
 pH: 6.5 (Phillips)

Open Water 12  
Total 27 species.

EKI

Site name Loch Rinsdale of NC. 740.355

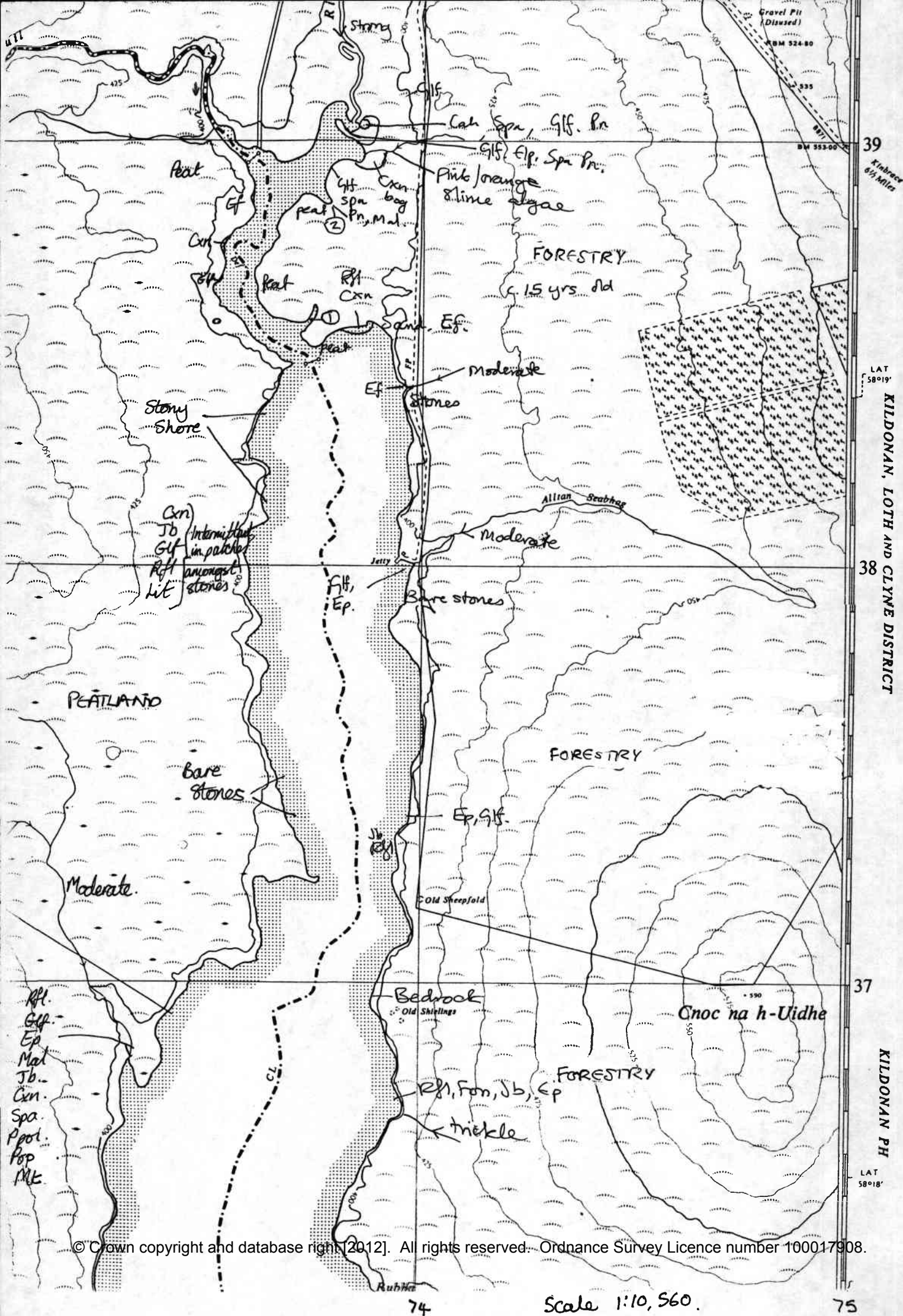
Site name ..... Gr ..... No. ....

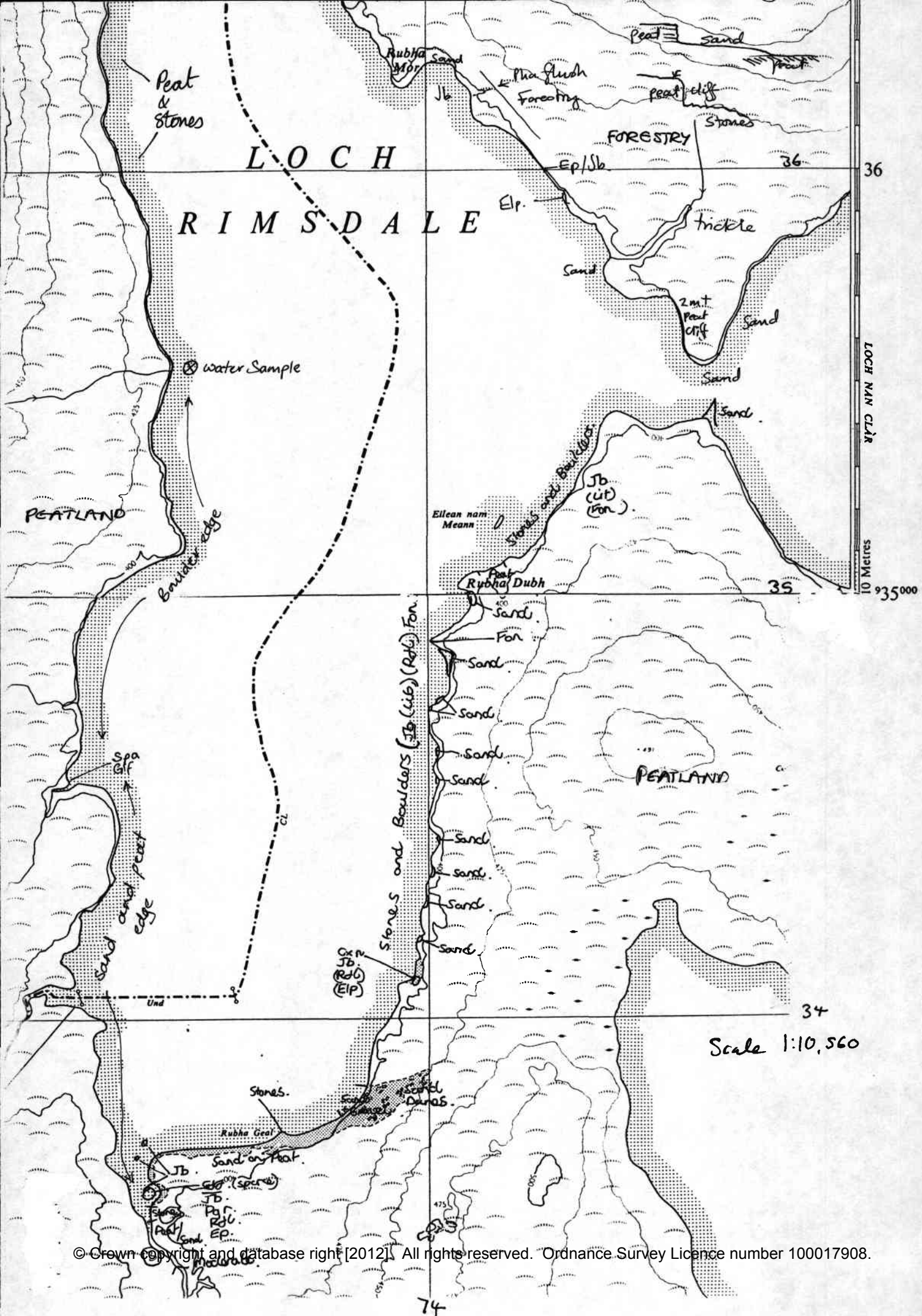
EMERGENT AND EDGE SPECIES:

Map code	DAFOR	Map code	DAFOR
<input checked="" type="checkbox"/> Ags	Agrostis stolonifera	<input checked="" type="checkbox"/> Pba	Phragmites australis
<input checked="" type="checkbox"/> Cap	Caltha palustris	Pam	Polygonum amphibium
<input checked="" type="checkbox"/> Cxa	Carex aquatilis**	<input checked="" type="checkbox"/> Pop	Potentilla palustris
<input checked="" type="checkbox"/> Cxl	Carex lasiocarpa	<input checked="" type="checkbox"/> Rfl	Ranunculus flammula
<input checked="" type="checkbox"/> Cxll	Carex limosa	Ris	Rorippa islandica
<input checked="" type="checkbox"/> Cxm	Carex nigra	Sl	Scirpus lacustris
<input checked="" type="checkbox"/> Cxro	Carex rostrata	Sper	Sparganium erectum
<input checked="" type="checkbox"/> Cxv	Carex vesicaria	Spem	Sparganium emersum
<input checked="" type="checkbox"/> E1p	Eleocharis palustris	Vb	Veronica beccabunga
Era	Eriophorum angustifolium	Vaa	Veronica anagallis-aquatica*
<input checked="" type="checkbox"/> G1f	Glyceria fluitans	<input checked="" type="checkbox"/> Vs	Veronica scutellata
Hip	Hippuris vulgaris	<input checked="" type="checkbox"/> Ef	Equisetum fluviatile
Hyd	Hydrocotyle vulgaris	<input checked="" type="checkbox"/> Ep	Equisetum palustre
Ip	Iris pseudacorus		
<input checked="" type="checkbox"/> Ja	Juncus articulatus		
<input checked="" type="checkbox"/> Jb	Juncus bulbosus		
<input checked="" type="checkbox"/> Je	Juncus effusus		
<input checked="" type="checkbox"/> Lit	Littorella uniflora		
Lyc	Lycopodiella inundata**		
Lyp	Lythrum portula		
Ma	Mentha aquatica		
<input checked="" type="checkbox"/> Mt	Menyanthes trifoliata		
Mg	Mimulus guttatus		
Mon	Montia fontana		
Myl	Myosotis laxa/caespitosa		
Msc	Myosotis scorpioides		
Nas	Nasturtium officinale		
Pa	Phalaris arundinacea		

SUBMERGED AND FLOATING SPECIES

Map code	DAFOR	Map code	DAFOR
Api	Apium inundatum*	Api	Apium inundatum*
<input checked="" type="checkbox"/> Cah	Callitriche hamulata	<input checked="" type="checkbox"/> Cah	Callitriche hamulata
<input checked="" type="checkbox"/> Cher	Callitriche hermaphroditica**	<input checked="" type="checkbox"/> Cher	Callitriche hermaphroditica**
<input checked="" type="checkbox"/> Cpla	Callitriche platycarpa	<input checked="" type="checkbox"/> Cpla	Callitriche platycarpa
<input checked="" type="checkbox"/> Cas	Callitriche stagnalis	<input checked="" type="checkbox"/> Cas	Callitriche stagnalis
<input checked="" type="checkbox"/> Hip	Hippuris vulgaris	<input checked="" type="checkbox"/> Hip	Hippuris vulgaris
<input checked="" type="checkbox"/> Hyd	Hydrocotyle vulgaris	<input checked="" type="checkbox"/> Hyd	Hydrocotyle vulgaris
<input checked="" type="checkbox"/> Isi	Isoetes lacustris	<input checked="" type="checkbox"/> Isi	Isoetes lacustris
<input checked="" type="checkbox"/> Iss	Isoetes setacea**	<input checked="" type="checkbox"/> Iss	Isoetes setacea**
<input checked="" type="checkbox"/> Jb	Juncus bulbosus var. fluitans	<input checked="" type="checkbox"/> Jb	Juncus bulbosus var. fluitans
La	Lemna minor (* in NW)	La	Lemna minor (* in NW)
<input checked="" type="checkbox"/> Lit	Littorella uniflora	<input checked="" type="checkbox"/> Lit	Littorella uniflora
<input checked="" type="checkbox"/> Mal	Myriophyllum alterniflorum	<input checked="" type="checkbox"/> Mal	Myriophyllum alterniflorum
<input checked="" type="checkbox"/> Map	Myriophyllum spicatum	<input checked="" type="checkbox"/> Map	Myriophyllum spicatum
Na	Nymphaea alba	Na	Nymphaea alba
Nup	Nuphar pumila	Nup	Nuphar pumila
<input checked="" type="checkbox"/> Pil	Pilularia globulifera**	<input checked="" type="checkbox"/> Pil	Pilularia globulifera**
Pam	Polygonum amphibium	Pam	Polygonum amphibium
Pal	Potamogeton alpinus	Pal	Potamogeton alpinus
Poe	Potamogeton berchtoldii	Poe	Potamogeton berchtoldii
Pcr	Potamogeton crispus*	Pcr	Potamogeton crispus*
<input checked="" type="checkbox"/> Pfil	Potamogeton filiformis**	<input checked="" type="checkbox"/> Pfil	Potamogeton filiformis**
<input checked="" type="checkbox"/> Pfr	Potamogeton friesii**	<input checked="" type="checkbox"/> Pfr	Potamogeton friesii**
<input checked="" type="checkbox"/> Pgr	Potamogeton gramineus	<input checked="" type="checkbox"/> Pgr	Potamogeton gramineus
<input checked="" type="checkbox"/> Pn	Potamogeton natans	<input checked="" type="checkbox"/> Pn	Potamogeton natans
Pzn	Potamogeton X nitens	Pzn	Potamogeton X nitens
Pob	Potamogeton obtusifolius	Pob	Potamogeton obtusifolius
Ppec	Potamogeton pectinatus	Ppec	Potamogeton pectinatus





Bays near inflow at north end of loch (1+2)

1. *P. natans*, *Glyceria fluitans*, *J. bulbosus*, *M. alterniflorum*
2. *G. fluitans*, *Eleocharis palustris*, *Sparganium angustifolium*, *C. nigra*,  
*C. rostrata*, *Eriophorum angustifolium*, *J. bulbosus*, *Myrica gale*
3. Inflow in Souths  
*J. bulbosus*, *Ranunculus flammula*, *M. alterniflorum*, *Glyceria fluitans*,  
*C. nigra*, *Littorella uniflora*, *Veronica scutellata*

N.B.  
Larger Loch with  
3 sections

1987 SUTHERLAND/~~CATTNESS~~ LOCH SURVEY

NC730L

Loch name Loch Bad an Loch and Loch nan Clàr Estate Badanloch No. EK2

Grid reference NC 767348... Date surveyed 24.8.87

Catchment size 19360.0 ha

Loch size 613.2 ha Altitude 120 m Surveyor's name KD, EC, LW, NS

Water colour light brown Water clarity Clear

Loch type Villa 3 Catchment Geology 50% INJECTION COMPLEX OF GRANITES + GRANULITES, 45% GRANITE + MICA-SCHIST 5% ORS

Edge type: none

Substrate types (underline main type tick others present)

Sand (0.1 - 4mm diam.)

Bedrock

Silt (< 0.1mm diam.)

Boulders (>30cm max diam.)

Organic mud

Stones (5-30cm diam.)

Peat

Gravel (4-50mm diam.)

Artificial embankment (Shuice n South)

Uses and Damage

USE	AREA AFFECTED	DAMAGE
Water abstraction	.....	.....
Sewage inflow	.....	.....
Agricultural pollution	.....	.....
Edge trampling by livestock	<input checked="" type="checkbox"/> .....	<u>Sandy bays - deer, sheep, cattle</u> .....
Forestry - vehicles	.....	.....
- run off	.....	.....
Fishing (Edge boat)	.....	.....
Shooting (Cartridges)	.....	.....
Others	<u>Dam to control water level for fish (?) (Drawdown zone present when surveyed)</u>	

Fauna

Birds	Mammals	Molluscs	Dragonflies
1 redshank	<u>Otter spraint</u>		1 <u>Enallagma cyathigerum</u>
1 ringed plover			2 <u>Pyrhosoma nymphula</u>
1 sandpiper	<u>Hen Harrier nearby</u>		<u>Oreodytes alpina</u>
1 dipper in inflow	<u>Heron in outflow</u>		(rare beetle)
Species diversity		Conductivity: <u>74</u> umhos	
Edge: <u>.....</u>		pH: <u>6.5</u> (Phillips)	
Open Water <u>10</u>			
<u>Total 19 species</u>			

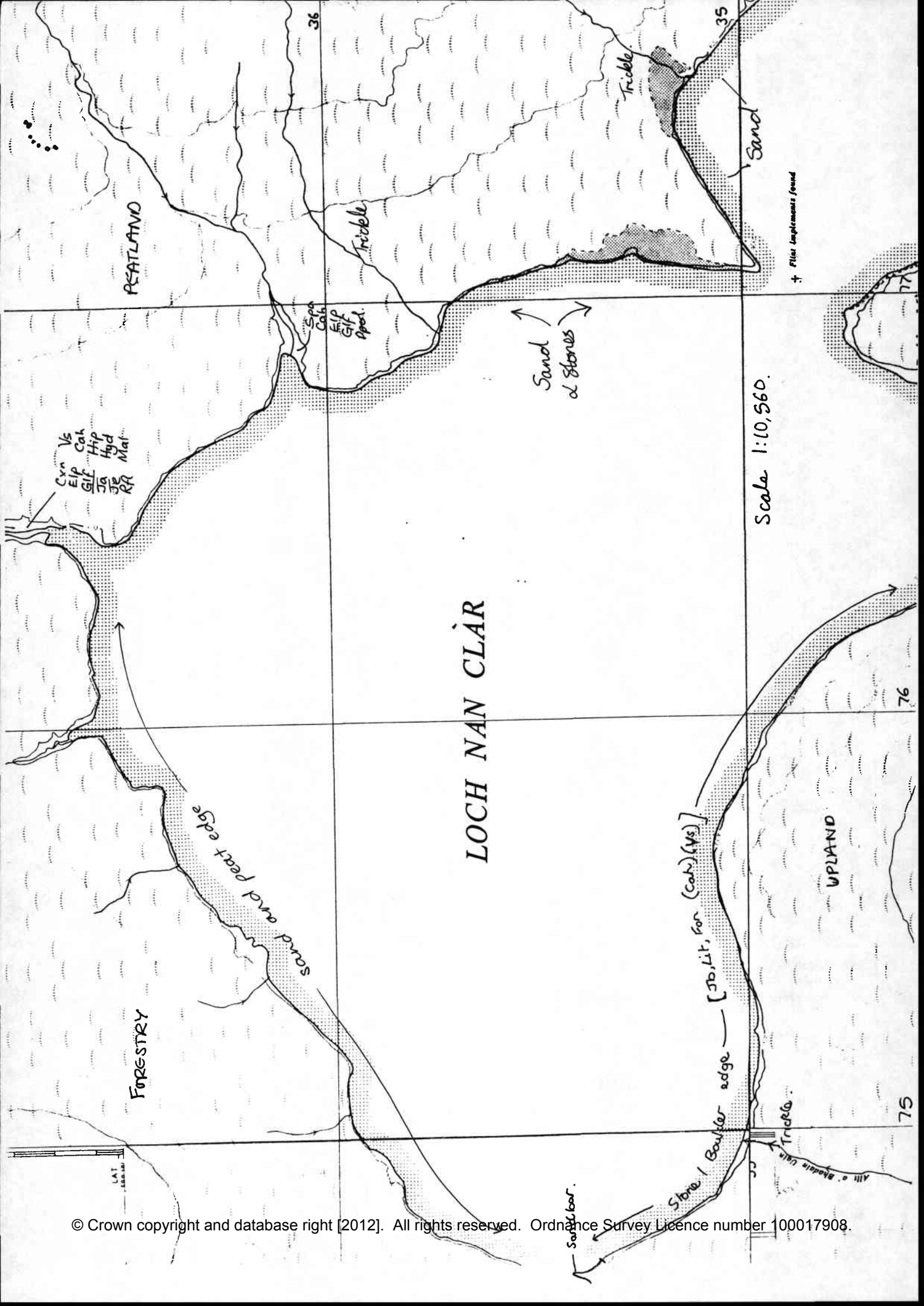
Badan Loch,  
Loch nan Clàr, Gr NC 767 348 No. EK 2

Site name ..... Cr ..... No. ....

EMERGENT AND EDGE SPECIES:

Map code	DAFOR	EMERGENT AND EDGE SPECIES	Map code	DAFOR	SUBMERGED AND FLOATING SPECIES
X Ags	R	Agrostis stolonifera	Api		Apium inundatum*
X Cap		Caltha palustris	X Cah		Callitriche hamulata
Cxa		Carex squarilis**	Cher		Callitriche hermaphroditica**
Cxl		Carex lasiocarpa	Cpla		Callitriche platycarpa
Cxl1		Carex limosa	X Cas	R	Callitriche stagnalis
X Cxn	O	Carex nigra	Hip		Hippuris vulgaris
Cxro		Carex rostrata	Hyd		Hydrocotyle vulgaris
Cvx		Carex vesicaria	Isl		Isoetes lacustris
X Elp	O	Eleocharis palustris	Iss		Isoetes setacea **
Era		Eriophorum angustifolium	X Jb	LF	Juncus bulbosus var. fluitans
X Glf	LF	Glyceria fluitans	La		Lemna minor (* in NW)
Hip		Hippuris vulgaris	Lit	LF	Littorella uniflora
Hyd		Hydrocotyle vulgaris	X Mal	R	Myriophyllum alterniflorum
Ip		Iris pseudacorus	Map		Myriophyllum spicatum
Ja		Juncus articulatus	Na		Nymphaea alba
X Jb	F	Juncus bulbosus	Nup		Nuphar pumila
X Je	O	Juncus effusus	Pil		Pillularia globulifera**
X Lit	LF	Littorella uniflora	Pam		Polygonum amphibium
Lyc		Lycopodiella inundata**	Pal		Potamogeton alpinus
Lyp		Lythrum portula	Pbe		Potamogeton bertholdii
Ma		Mentha aquatica	Pcr		Potamogeton crispus*
Mt		Menyanthes trifoliata	Pfil		Potamogeton filiformis**
Mg		Mimulus guttatus	Pfr		Potamogeton friesii**
Mon		Montia fontana	Pgr		Potamogeton gramineus
My1		Myosotis laxa/caespitosa	X Pa		Potamogeton natans
Msc		Myosotis scorpioides	Pzn		Potamogeton nitens
Nas		Nasturtium officinale	Pob		Potamogeton obtusifolius
Pa		Phalaris arundinacea	Ppec		Potamogeton pectinatus

LF one patch



PEATLAND

LOCH NAN CLÀR

FORESTRY

UPLAND

Scale 1:10,560.

LAT  
LONG

Cyn Vs  
EIP  
Glf  
Ja  
Jg  
RR

36

35

76

75

Tribble

Tribble

Sand

Sand  
& Stones

Spa  
Cak  
Fif  
Glf  
Apod.

peat and peat edge

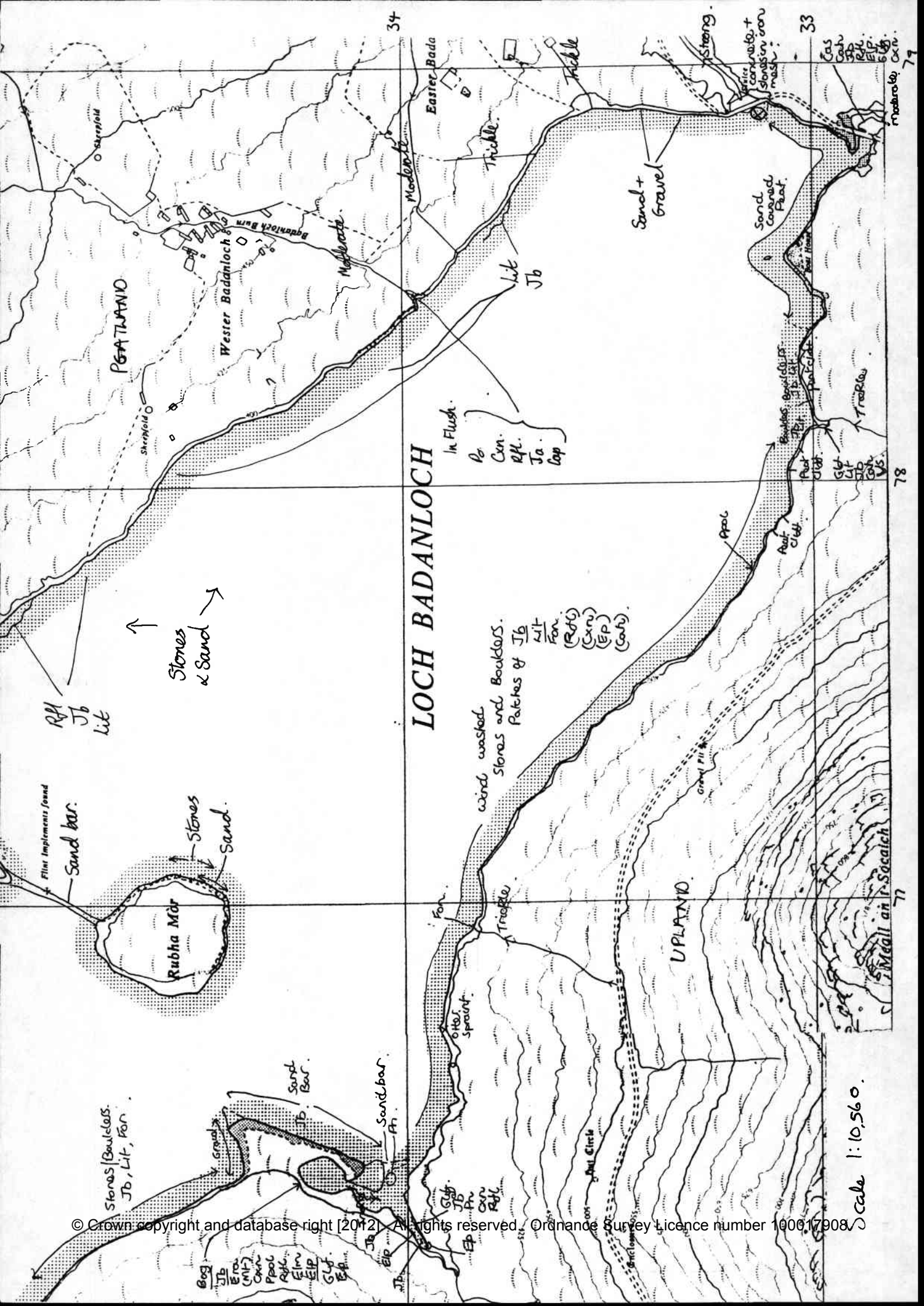
Stone / Boulder edge — [To Lit. for (Cak)(Ms)]

Sand bar.

Tribble

† Flint implements found





# LOCH BADANLOCH

PGATHAND

Wester Badanloch

Easter Bada

UPLAND

Stones & Sand

Rubha Mòr

wind washed stones and boulders. Patches of Lit

In Flush

Scale 1:10,560