

1986 Orkney Loch Survey

ND2903

Loch name HOGGLINNS WATER Island Hoy No. 20
 Grid Reference ND 250 913 Date surveyed 4/10/86
 Loch size 15.60 ha. Altitude 100 m Secchi disk depth - m
 Water colour PEATY Loch level up - cm down - cm
 Adjacent wetland NONE
 Loch status - Unclassified

Substrate types

✓ Bedrock ✓ Sand (0.1-4mm diameter)
 ✓ Boulders (> 30cm max diameter) Silt (< 0.1mm diameter)
 ✓ Stones (5-30cm diameter) Organic mud (black and smelly)
 ✓ Gravel (4-50mm diameter) ✓ Peat
 Artificial embankment

Uses and Damage

USE	AREA AFFECTED	DAMAGE
Water abstraction	✓ ALL: Drinking water source	? EROSION OF LOCH EDGE - BANKS HAVE SLUMPED INTO LOCH*
Sewage inflow		
Agricultural pollution		
Edge trampling: animals		
: people		
Fishing		
Shooting		
Others		

* Water is taken by aqueduct to Haldale Water to keep level in latter up.

Fauna

Birds Mammals Molluscs Dragonflies

Snipe
Great Skuas.

Water chemistry

Water sample taken No. 2 Time spent on site 1 hr
 Conductivity 2440

© Crown copyright and database right [2012]. All rights reserved. Ordnance Survey Licence number 100017908.

Species checklist for ..HOGUINNS WATER, HOU. NO. 242 NO. VIII^a

Map code	Species	DAFOR	Map code	Species	DAFOR
Ags	<u>Agrostis stolonifera</u> Marsh Edge	.8...	Pha	Phragmites australis	.....
Api	Apium inundatum	.....	Pam	Polygonum amphibium	.....
Cah	Callitriche hamulata	.....	Pbe	Potamogeton berchtoldii	.....
Cher	Callitriche hermaphrodita	.....	Pcr	Potamogeton crispus	.....
Cpla	Callitriche platycarpa	.....	Pfil	Potamogeton filiformis	.....
Cas	Callitriche stagnalis	.....	Pfr	Potamogeton friesii	.....
Cap	Caltha palustris	.....	Pgr	Potamogeton gramineus	.....
Cxn	Carex nigra	.....	Pn	Potamogeton natans	.....
Cxro	Carex rostrata	.....	PXn	Potamogeton X nitens	.....
Elp	Eleocharis palustris	.....	Pob	Potamogeton obtusifolius	.....
Era	<u>Eriophorum angustifolium</u> Marsh	.F...	Ppec	Potamogeton pectinatus	.....
GlF	Glyceria fluitans	.....	Pper	Potamogeton perfoliatus	.....
Hip	Hippuris vulgaris	.....	Ppol	Potamogeton polygonifolius	.....
Hyd	Hydrocotyle vulgaris	.....	Ppu	Potamogeton pusillus	.....
Ip	Iris pseudacorus	.....	Pop	Potentilla palustris	.....
Ja	Juncus articulatus	.....	Ra	Ranunculus aquatilis	.....
Jb	Juncus bulbosus	.....	Rb	Ranunculus baudotii	.....
Je	<u>Juncus effusus</u> edge	...LF	Rf1	Ranunculus flammula	.....
Im	Lemna minor	.....	Rhe	Ranunculus hederaceus	.....
Lit	Littorella uniflora	.....	Rtr	Ranunculus trichophyllus	.....
Ma	Mentha aquatica	.....	Ris	Rorippa islandica	.....
Mt	Menyanthes trifoliata	.....	Sf	Scirpus fluitans	.....
Mg	Mimulus guttatus	.....	Sl	Scirpus lacustris	.....
Mon	Montia fontana	.....	St	Scirpus tabernaemontani	.....
Myl	Myosotis laxa/caespitosa	.....	Spa	Sparganium angustifolium	.....
Msc	Myosotis scorpioides	.....	Spe	Sparganium erectum	.....
Mal	Myriophyllum alterniflorum	.....	Uti	Utricularia intermedia	.....
Msp	Myriophyllum spicatum	.....	Um	Utricularia minor	.....
Nas	Nasturtium officinale	.....	Uva	Utricularia vulgaris/australis	.....
Pa	Phalaris arundinacea	.....	Une	Utricularia neglecta	.....

Map code	Species	DAFOR	
Vb	Veronica beccabunga	.....	.. <i>Luzula sylvatica</i> Marsh. F.
Vaa	Veronica anagallis- aquatica	.....	.. <i>Calluna vulgaris</i> <i>Eupetrum nigrum</i> <i>Carex demissa</i> Marsh. LF.
Vs	Veronica scutellata	.....	.....
Ef	Equisetum fluviatile	.....	.....
Ep	Equisetum palustre	.....	.....
Cha	Chara spp.	.....	.....
Nit	Nitella spp.	.....	.....
Fon	Fontinalis antipyretica	.....	.....

Vegetation Map

HOLLINS WATER

1:2500

N

25

Luzula sylvatica \\\

Deschampsia caespitosa \\\

Carex demissa
Luzula sylvatica
Deschampsia caespitosa

Deschampsia caespitosa \\\

Ericaceae
Moorland

Deschampsia

Empetrum nigrum
Calluna vulgaris
Polytrichum \\\

Luzula sylvatica

Luzula sylvatica

Luzula sylvatica

Luzula sylvatica

C. vulgaris
Heath.

+ *L. sylvatica*
Carex demissa

Ericaceae Moorland.
Calluna vulgaris, *Empetrum nigrum*, *Eriophorum angustifolium*, *Vaccinium myrtillus*

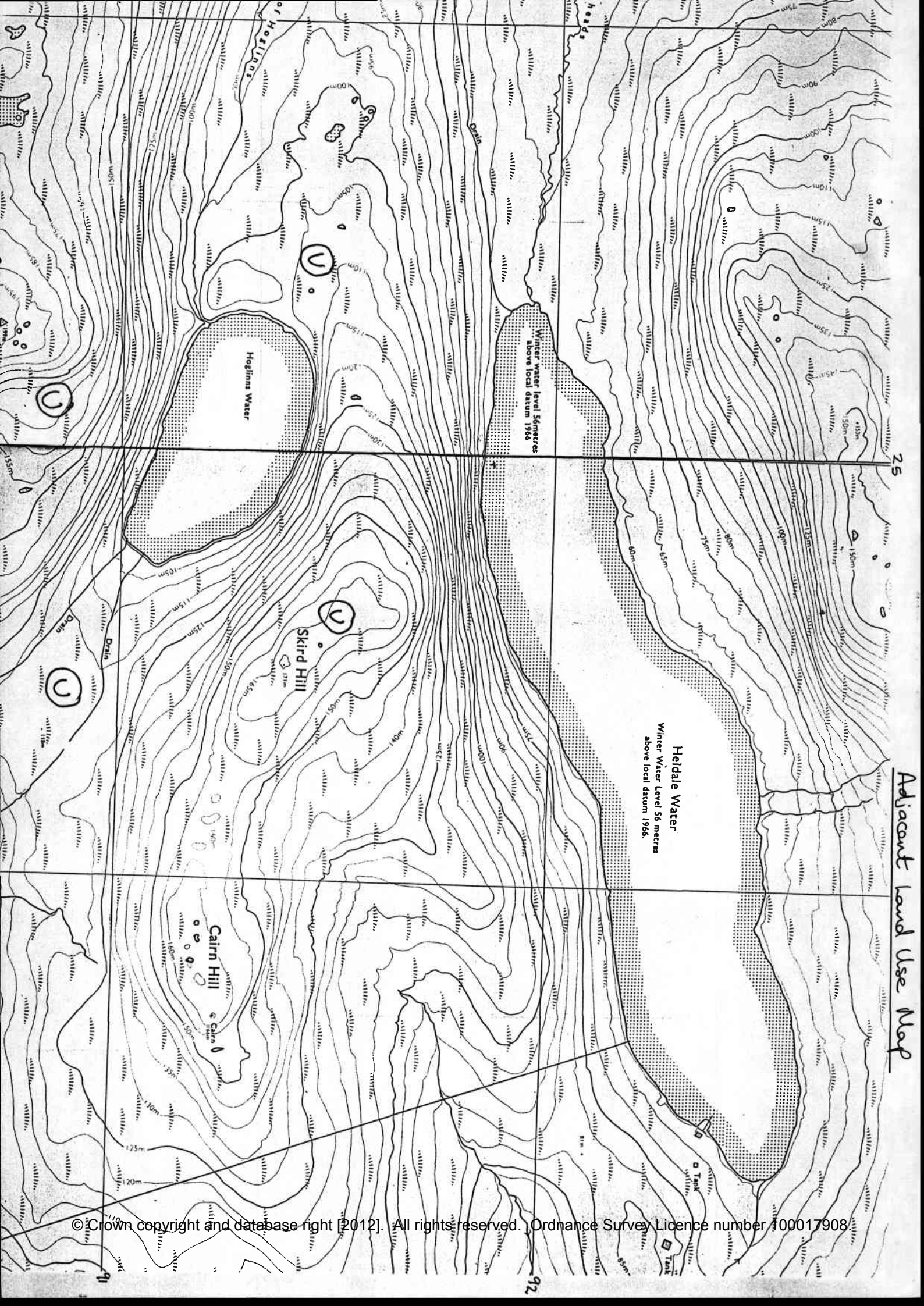
25

三

1:2500

2





Adjacent land use map

20. Hoglinns Water

Loch type VIII a

Plant Communities

Surrounding moorland

There is no marshland area but the Ericaceous moorland extends to the loch edges. Juncus effusus, Luzula sylvatica and Deschampsia caespitosa occur in occasional patches. At the inflow Eriophorum angustifolium dominates with Juncus effusus and Luzula sylvatica.

Edge

Juncus effusus and Eriophorum angustifolium occur occasionally at the edge.

Open Water

The only vegetation is a moss species occurring occasionally on boulders and stones.