

Loch name ... ANCUM LOCH Island ... NORTH RONALDSAY ... No. HY 3503 ..
 Grid Reference ... H7763545 Date surveyed ... 16.9.86 ? ..
 Loch size .. 1.44 ha. Altitude .. < 15 m Secchi disk depth m
 Water colour .. CLEAR Loch level up cm down cm
 Adjacent wetland ... ALL AROUND - EXTENSIVE ..
 Loch status Type 7A ..

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

Uses and Damage

USE	AREA AFFECTED	DAMAGE
Water abstraction	✓ ... <u>ALL</u>	<u>NONE APPARENT</u>
Sewage inflow
Agricultural pollution
Edge trampling: animals
: people
Fishing
Shooting
Others

Fauna

stickleback.

Birds	Mammals	Molluscs	Dragonflies
SWANS, TEAL SNipe, MAWAR 25-30 COOT			

Water chemistry

Time spent on site ... 2 1/2 hrs x 1 ..
 Water sample taken No. 1 Conductivity .. 738 ..
 Dates of samples .. 17.9.1986 .. pH .. 8.86 ..

HY7503 IV6

Species checklist for ... ANCUM, N. RONALDSAY ... NO.....

IP 519/a

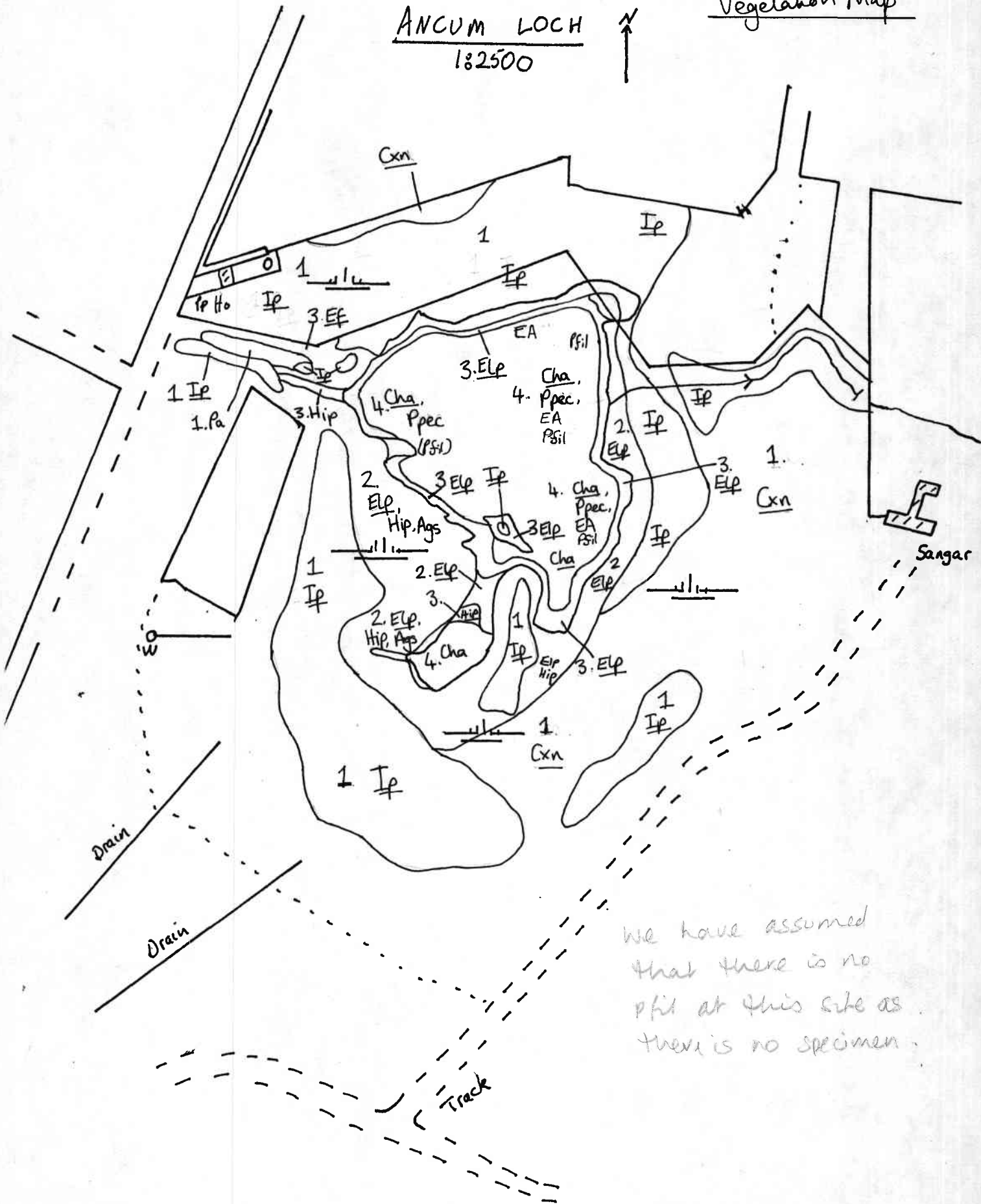
Map code	Species	DAFOR	Map code	Species	DAFOR
Ags	<u>Agrostis stolonifera</u> marsh	....A-LD	Pha	Phragmites australis	.....
Api	Apium inundatum	.....	Pam	Polygonum amphibium	.....
Cah	Callitriche hamulata	.....	Pbe	Potamogeton berchtoldii	.....
Cher	Callitriche hermaphroditica	.....	Pcr	Potamogeton crispus	.....
Cpla	Callitriche platycarpa	.....	Pfil	Potamogeton filiformis	.....
Cas	Callitriche stagnalis	.....	Pfr	Potamogeton friesii	.....
Cap	<u>Caltha palustris</u> marsh	....F	Pgr	Potamogeton gramineus	.....
Cxn	<u>Carex nigra</u> marsh	....F-LD	Pn	Potamogeton natans	.....
Cxro	Carex rostrata	....D	PXn	Potamogeton X nitens	.....
Elp	<u>Eleocharis palustris</u> edge marsh	....LD	Pob	Potamogeton obtusifolius	.....
Era	Eriophorum angustifolium	.....	Ppec	<u>Potamogeton pectinatus</u>	....0
Glif	Glyceria fluitans	....F	Pper	Potamogeton perfoliatus	.....
Hip	<u>Hippuris vulgaris</u> edge marsh	.....	Ppol	Potamogeton polygonifolius	.....
Hyd	<u>Hydrocotyle vulgaris</u> marsh	....F	Ppu	Potamogeton pusillus	.....
Ip	<u>Iris pseudacorus</u> edge marsh	....LD	Pop	Potentilla palustris	.....
Ja	<u>Juncus articulatus</u> marsh	....0	Ra	Ranunculus aquatilis	.....
Jb	Juncus bulbosus	.....	Rb	Ranunculus baudotii	.....
Je	Juncus effusus	.....	Rfl	<u>Ranunculus flammula</u> marsh	....0
Ln	Lemna minor	.....	Rhe	Ranunculus hederaceus	.....
Lit	Littorella uniflora	.....	Rtr	Ranunculus trichophyllus	.....
Ma	<u>Mentha aquatica</u> edge marsh	....F	Ris	Rorippa islandica	.....
Mt	Menyanthes trifoliata	.....	Sf	Scirpus fluitans	.....
Mg	Mimulus guttatus	.....	Sl	Scirpus lacustris	.....
Mon	Montia fontata	.....	St	Scirpus tabernaemontani	.....
Myl	Myosotis laxa/caespitosa	.....	Spa	Sparganium angustifolium	.....
Msc	<u>Myosotis scorpioides</u> edge marsh	....A	Spe	Sparganium erectum	.....
Mal	Myriophyllum alterniflorum	.....	Uti	Utricularia intermedia	.....
Msp	Myriophyllum spicatum	.....	Um	Utricularia minor	.....
Nas	Nasturtium officinale	.....	Uva	Utricularia vulgaris/australis	.....
Pa	<u>Phalaris arundinacea</u> marsh	....LA-LD	Une	Utricularia neglecta	.....

Map code	Species	DAFOR	
Vb	Veronica beccabunga	.....	.....
Vaa	Veronica anagallis-aquatica	.....	EA. Epiphytic algae A
Vs	Veronica scutellata	.....	.. Stellaria alsine nass R
Ef	<u>Equisetum fluviatile</u> ^{nass} edge	.F..	✓ Equisetum ^{palustre} nass nass F
Ep	Equisetum palustre	.....	.....
Cha	<u>Chara spp.</u> aspera	A-LD	.....
Nit	Nitella spp.	.....	.....
Fon	Fontinalis antipyretica	.....	.....

Charophyte identification
verified by J.M. Moore

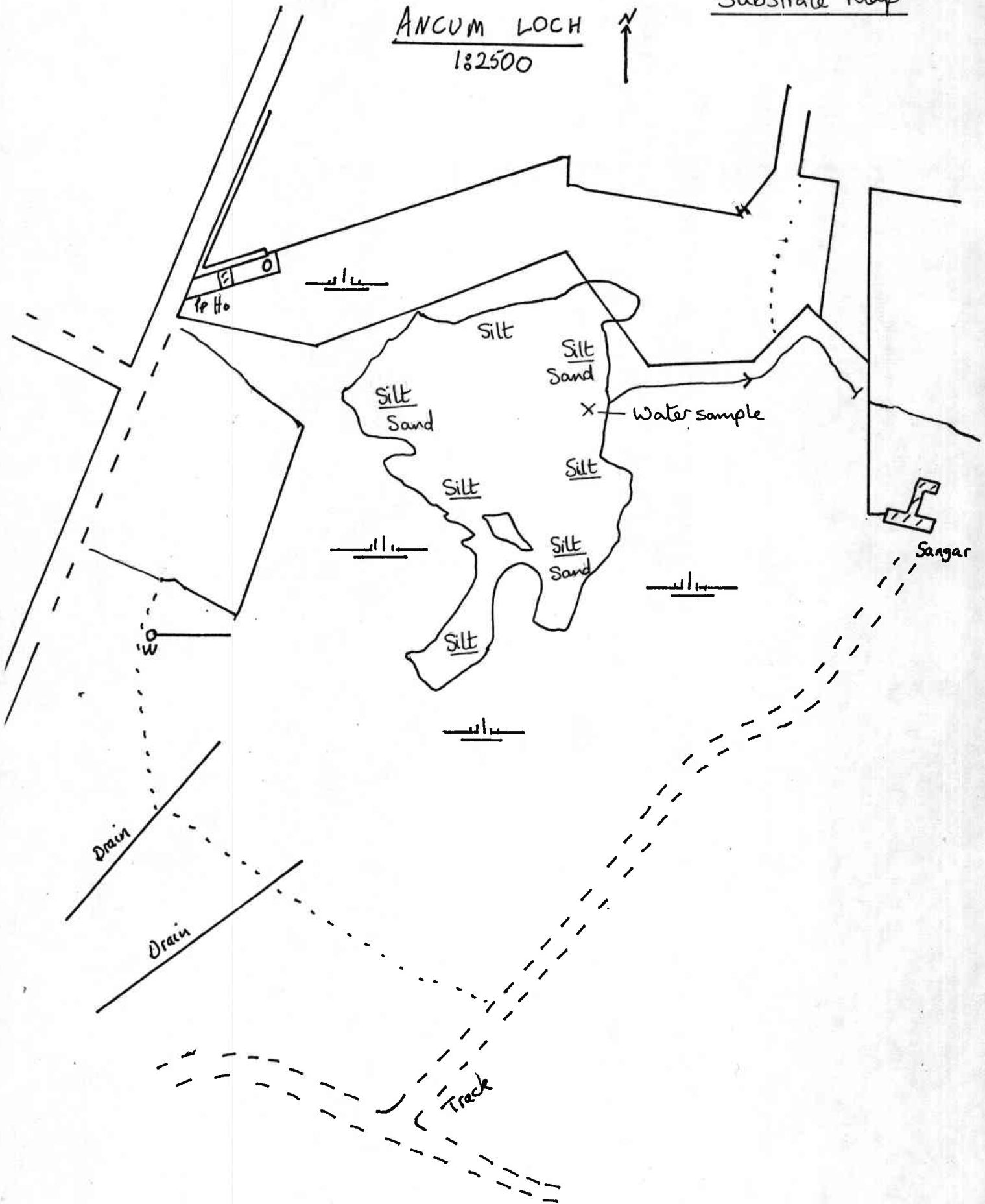
ANCUM LOCH
1:2500

Vegetation Map



Substrate Map

ANCUM LOCH
1:2500



Adjacent Land Use Map

54

53



Plant Communities

Loch Type IVb

7A

1. Marsh

The marsh community is dominated by Carex nigra with Caltha palustris, Hydrocotyle vulgaris, Cardamine pratensis, Juncus articulatus, Phalaris arundinacea and Sphagnum. Large stands of Iris pseudacorus are also present.

2. Marsh/edge

This community is dominated by dense Eleocharis palustris. Associated species are: S19a Eleocharitetum palustris, Eleocharis palustris sub-community.

Hippuris vulgaris
Myosotis scorpioides
Caltha palustris
Agrostis stolonifera
Equisetum fluviatile
Alopecurus geniculatus
Iris pseudacorus

Juncus articulatus
Cardamine pratensis
Carex nigra
Mentha aquatica
Epilobium montanum
Stellaria alsine

3. Edge

The edge community is dominated by dense Eleocharis palustris with occasional Hippuris vulgaris and Iris pseudacorus. (S19a)

4. Open Water

The open water community is sparse. Chara sp is locally dominant with occasional Potamogeton pectinatus.