

1997 LOCH INVENTORY: SOUTH EAST SCOTLAND*

Code NT 8202 Name YETHOLM LOCH Grid Ref NT 803279
 Date 25/6/97 Surveyors OLL/CC Estate
 Area 16.80 ha Altitude 100 m Catchment ha Geology SO.....
 Water colour COLOURLESS Clarity CLEAR Boat used YES Secchi disc depth m
 Loch type 10 Edge type(s) S6 S10a S19a S8a S12a S12 S28a (NVC codes)
S28b
 Status YETHOLM LOCH SSSI Access 2a Road/houses present (underline)
 Land use % Open water Semi-natural Forestry Agriculture

Substrate types (underline main type, tick others present)

Bedrock
 Boulders (>30cm max. diam.) Silt (<0.1mm diam.)
 Stones (5-30cm diam.) Organic mud
 Gravel (4-50mm diam.) Peat
Sand (0.1-4mm diam.) Artificial embankment

USES AND DAMAGE
Observations

Use
 Adjacent forestry
 Agricultural pollution
 Edge trampling
 Fishing (edge/boat)
 Litter significant dumping of farm waste along north-east shore of loch
 Shooting
 Water abstraction
Recreation/conservation Scottish Wildlife Trust Reserve - bird hide + nesting waders

SURROUNDING LAND USE:

Arable
 Grazing

FAUNA

Mammals	Birds	Reptiles Amphibians	Fish	Dragonflies & other invertebrates
	<u>Mallard</u> <u>Mute swan + 7 cygnets</u> <u>Heron</u>		<u>Pike head</u> <u>on shore</u>	<u>Eristalis sp. 'Rat tailed</u> <u>maggot'</u> <u>Isonura elegans - adult ♂</u>

SPECIES DIVERSITY

RARE SPECIES

WATER CHEMISTRY

Edge	<u>21</u>	Scarce (*)	<u>0iv</u>	Alkalinity	<u>2.04</u> meq/l
Open water	<u>7</u>	Red Data Book (**)		Conductivity	<u>330</u> µS/cm
Total	<u>28</u>			p.H.	<u>10.0</u>

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* Includes Angus, City of Edinburgh, Clackmannanshire, Dundee City, East Lothian, Falkirk, Fife, Midlothian, Perth & Kinross, Scottish Borders, Stirling and West Lothian unitary authorities.

Site location map for NT 8202

YETHOLM LOCH

Grid reference NT 803 279

Date 25/6/97

- Marsh Coppice
- Saltings Orchard
- Reeds Coniferous trees
- Scrub Non-coniferous trees

- Lake, loch or pond
- Sloping masonry
- Chalk pit, clay pit or quarry
- Gravel pit
- Sand pit
- Disused pit or quarry
- Triangulation station

- Shingle
- Sand

land and Wales), Region or Islands Area (Scotland)

ough

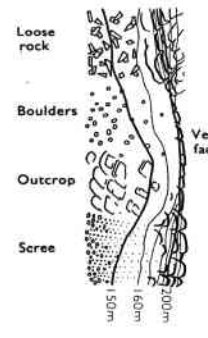
(England), Community (Wales)

y (Co, Boro or Burgh)

vision or Ward
change of mering
gs: 0.91m = 3ft 1.22m = 4ft } Basic survey areas only

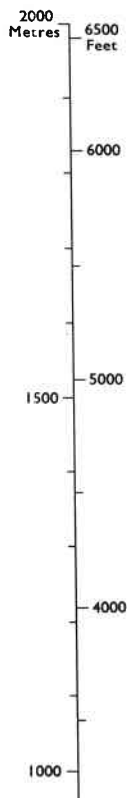
riate symbol above, eg . . . Boro Const & ED Bdy . . .
seemed to be the limit of the parish structure whether

ROCK FEATURES



CONVERSION SCALE

Metres - Feet



- Pol Sta Police Station
- PO Post Office
- PC Public Convenience
- PH Public House
- SB Signal Box
- Spr Spring
- TCB Telephone Call Box
- TCP Telephone Call Post
- W Well

REFERENCE SYSTEM

CORRECT TO 100 METRES

letters on this sheet are NT

point lies and read the
rth and south
timate tenths eastwards

803

point lies and read the
east and west margins.
tate tenths northwards

28
B

ROXBURGH, SELKIRK AND PEEBLES CO CONST

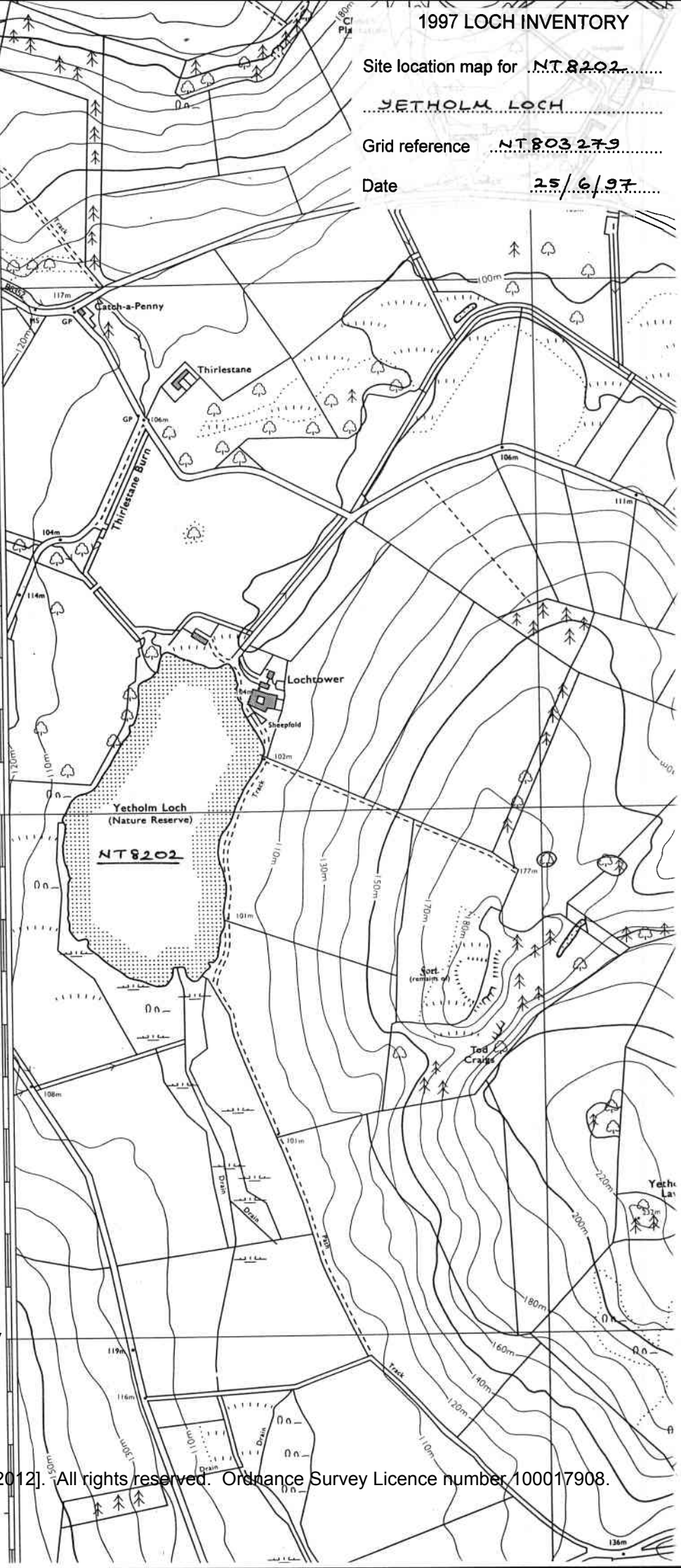
LAT 55° 33'

28

ROXBURGH DISTRICT

27

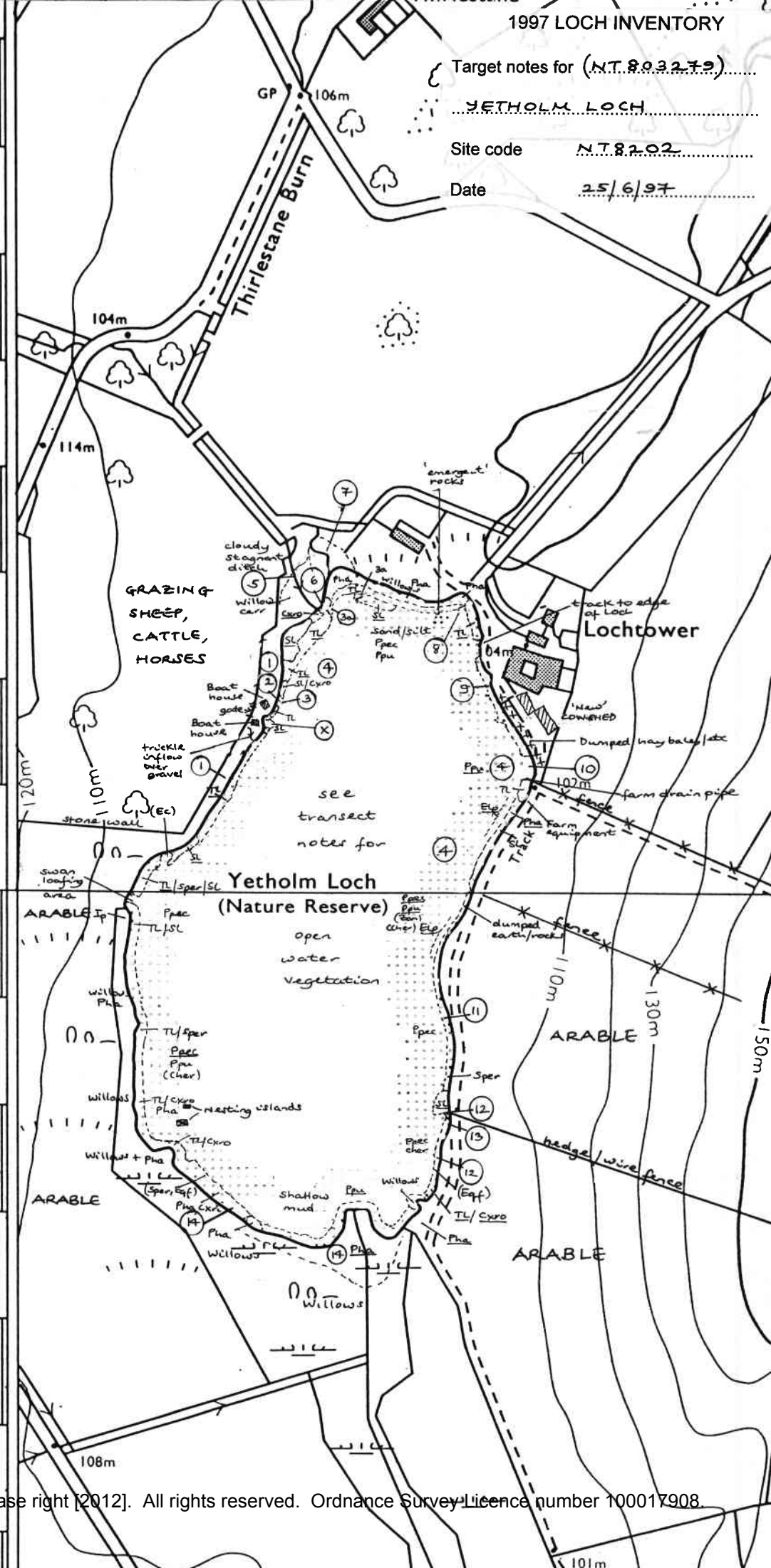
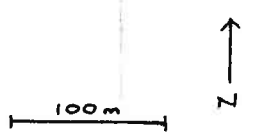
LAT 55° 32'



Target notes for (NT.8.0.3.2.7.9).....
YETHOLM LOCH
Site code NT8202
Date 25/6/97

ROXBURGH, SELKIRK

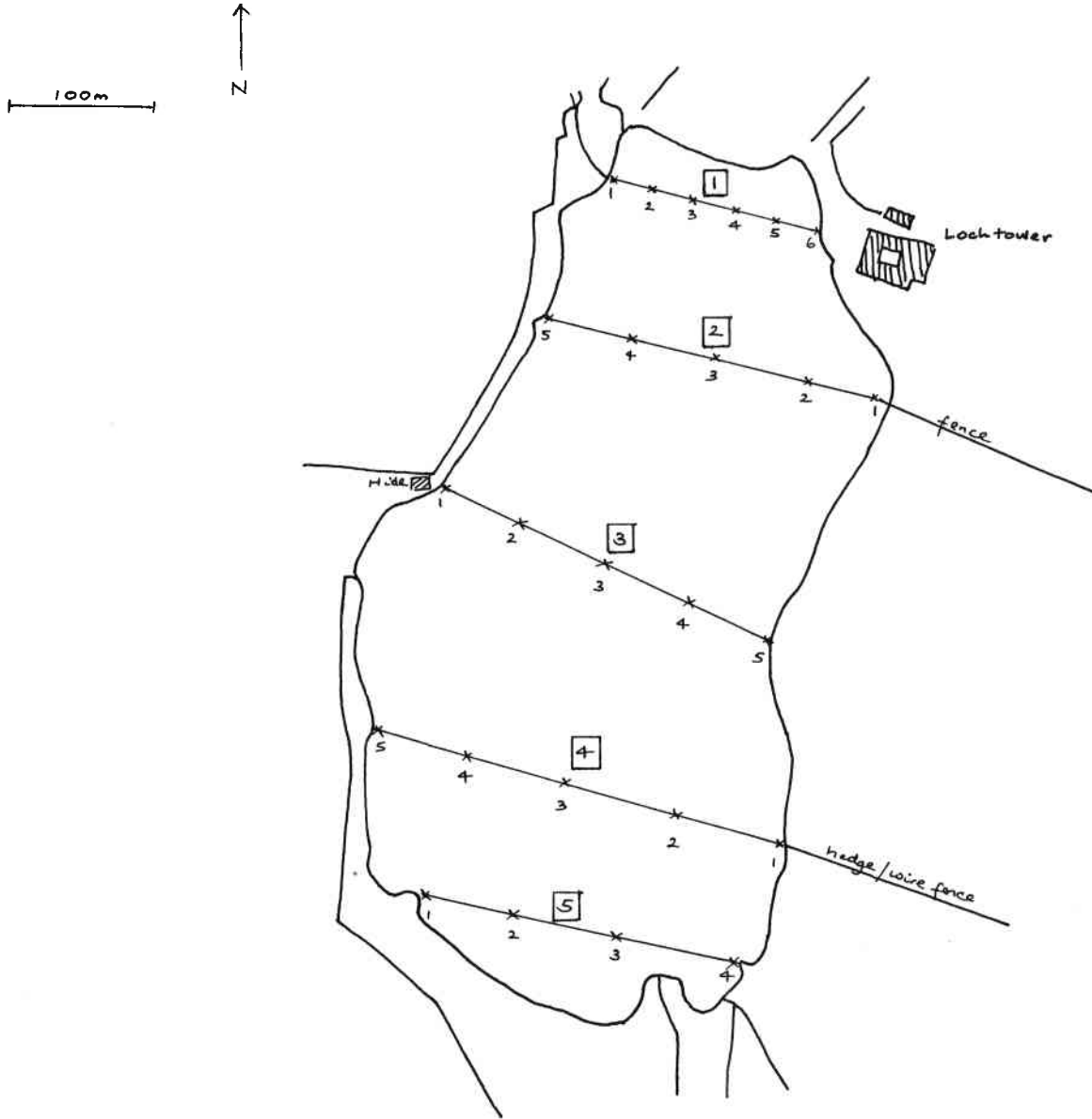
LAT 55° 33'



VERSION CALE

res - Feet





TRANSECTS

- | | | |
|--|--|--|
| <p>1</p> <ol style="list-style-type: none"> 1. stones + [Ppec, Ppu, FA, Enteromorpha int] 2. FA, Zan, Ppu, Ppec, Ent int. 3. Ppu, Ppec, Zan 4. Ppu, Ppec, Zan 5. Ppu, Zan 6. FA: rocks, stones, clear water | <p>3</p> <ol style="list-style-type: none"> 1. Ppec, Ppu 2. Ppec, Ppu, Zan 3. Ppec, Ppu 4. Ppec, Ppu 5. Ppu, Zan, FA | <p>5</p> <ol style="list-style-type: none"> 1. Char, Ppu 2. Ppu: mud 3. Ppu, Ent int, Chara 4. Ppu, Ent int, Ppec |
| <p>2</p> <ol style="list-style-type: none"> 1. Ppu, Zan. 2. Ppec, Ppu, Zan. 3. Ppec, Ppu. 4. Zan, Ppu, Ppec. | <p>4</p> <ol style="list-style-type: none"> 1. Ppec, Ppu, Char 2. Ppec, Ppu, Zan 3. Ppec, Ppu, Zan 4. Ppec, Ppu, Zan 5. Ppu: mud | |

[] = washed up.

Yetholm Loch is a large water body set within a catchment of arable farmland and improved grassland. The loch is a Scottish Wildlife Trust reserve.

- ① Site of 2 boathouses which are now well above the current water level. Banks of loch with ash, horse chestnut, sycamore, hawthorn, beech, birch and willow with an understory of *Urtica dioica*, *Dact. glom*, *Galium ap*, *Antthr sylv*, *Lamium albos*, *Alopec prat*, *Genm urb*, *Stachys pal* closer to the water edge: *Fili ulm*, *Pha*, *Urtica dio*, *Msc*, *Angelica sylv*, *Epilob hir*, *Stachys pal*, *Elymus rep*, *Gal ap*, *Ranun rep*, *Ip*, *Caly sep*.
- ② Along waters edge: band of *Pha*, *Tl*, *Msc*, *Rumex ob*, (cv), *Epilob hir*, *Gp*, *Lycopus euro* grading to *Tl/SL* in 20cm deep water ± *Cxro*, (Lm), *Ma* over gravel/sand. [*Ppec*, *Ppu* washed up]
- ③ Open water over sand - no aquatic vegetation [*Ppec*, *Ppu*, *Entomorph int* washed up]
- ③a *FA*, *Entom int*, *Cher*, *Zan*, *Ppu*.
- ④ Dense aquatic beds of *Ppec* and *Ppu* over soft silt + *FA*, *Ent int*
- ⑤ ± willow carr + *Pha*, *Fili ulm*, *Msc*, *Angelica sylv*, *Epilob hir*, *Je*, *Cv*, *Urtica dio*, *Eq arr*, *Vaa*.
- ⑥ In front of ditch: *Pha*, *Ma*, *Ely*, *Cv*, *Msc*, *Lycopus euro*, (*Apa*) / *Rorippa pal*. Ditch tree lined with willows. [*Entomorph intestinalis*, *Ppu*, *Ppec* washed up]. Open water in front of vegetation.
- ⑦ Wooded and shaded inflow: *Pha*, *Cxri*, *Cv*, *Lycopus euro*, *Epilob hir*, *Gal ap*, *Ribes nigrum*, *Urtica dio*. SOFT MUD.
- ⑧ *FA* + occ. *Ppu*, *Ppec*.
- ⑨ Narrow waterside fringe of *Pha* + occ. *Tl/SL* backed by cowshed (new building) + *Galium ap*, + *Brassica napus*. *Cham ang*, *Arctium min* / Open water over gravel/stones
- ⑩ Shoreline with dumped turf, asphalt, concrete, hay bale stall, plastic bags, tyres. Weedy bankside + *Rumex ob*, *Urtica dio*, *Galeop tet*, *Rumex acetosa*.
- ⑪ Narrow strip of *Pha* with occ. *Ely*, *SL* stands fronted by occ. *Tl* along water edge. Open shallow water by emergent stands: *FA* covered boulders. Behind emergent vegetation - arable field + *Cirsium vulg*, *Rumex ob*, *Antthr sylv*, *Cirsium ar*, *Urtica dio*, *Lamium alb*, *Capoella burs*, *Stellaria media* (Pam(t)), *Lycopus euro*, (*Sper*), (*Cv*), *Msc*.
- ⑫ *SL* patch + *Tl*, *Lycos euro* backed by *Pha*, *Vb*, *Msc*, *Pam(t)*, (*Apa*), *Cxro*, *Je*, *Gp*, *Ran rep*, *Cirsium ar*, *Epilobium hirs*, *Lm*, *Sper*, *Ely*, *Sa*, *Fili ulm*, *AgS*, *Cxri* (emergent veg. knocked down by swans)
- ⑬ Edge trampled area used by swans: *Cv*, *Sa*, *Msc*, *Ma*, *Epilobium sp*, *Plantago major*.
- ⑭ Mosaic of emergent vegetation dominated by *Pha*, *Ely* + *RL*, *Ma*, *Sper*, (*Tl*), *Gp*, *Pop*, *Scutellaria galeric*, *Ang sylv*, *Urtica dio*. Willows with understoreys of *Pha*, fallen branches, *Ip*, (*Cxpa*). *Urtica dio* + *Gal ap* along old ditch line. Along waters edge a narrow strip of *Tl*, *Cxro* + occ. *Eqf*, *Cxri*.
- ⓧ Water sample collection point