Lake Naturalness Assessment

Your name

Date and time

Survey location

Survey location (GPS or 10 digit NGR)

Source of lake name (tick one)

☐ Map data

Lake name

☐ Local knowledge

☐ Personally assigned

Physical naturalness

Naturalness class (circle one)

1   2   3   4   5

Confidence class (circle one)

High   Medium   Low

Sub-categories assessed (naturalness class score)

☐ Shoreline condition

☐ Lake morphology (if of artificial origin)

☐ Riparian land

Hydrological naturalness

Naturalness class (circle one)

1   2   3   4   5

Confidence class (circle one)

High   Medium   Low

Sub-categories assessed (naturalness class score)

☐ Structures

☐ Inflows and outflows

☐ Water level fluctuations

Chemical naturalness

Naturalness class (circle one)

1   2   3   4   5

Confidence class (circle one)

High   Medium   Low

Form(s) of assessment (tick all that apply)

☐ Water clarity

☐ Water chemistry test

☐ Algae

☐ Biological sampling

☐ Plant distribution

Biological naturalness

Naturalness class (circle one)

1   2   3   4   5

Confidence class (circle one)

High   Medium   Low

Sub-categories assessed (naturalness class score)

☐ Non-native plants

☐ Non-native animals

Representativeness

Is the site representative of the whole lake? (tick one)

☐ Yes   ☐ No   ☐ Uncertain

Notes

Plant functional groups (tick all that apply)

☐ Rosette forming short stiff leaves

☐ Free floating

☐ Floating leaves but rooted

☐ Submerged linear leaves

☐ Submerged broad leaves

☐ Submerged fine/dissected leaves

☐ Emergent broad leaves

☐ Emergent narrow leaves

☐ Filamentous algae

Species of interest

Mammals (tick all that apply)

☐ Otter (*Lutra lutra*)

☐ Water vole (*Arvicola terrestris*)

Birds (tick all that apply)

☐ Great crested grebe (*Podiceps cristatus*)

☐ Pochard (*Athya ferina*)

☐ Gadwall (*Anas strepera*)

Fish (tick all that apply)

☐ Bullhead (*Cottus gobio*)

☐ Pike (*Esox lucius*)

☐ Brown trout (*Salmo trutta*)

☐ Perch (*Perca fluviatilis*)

Herpetofauna (tick all that apply)

☐ Common frog (*Rana temporaria*)

☐ Grass snake (*Natrix natrix*)

Invertebrates (tick all that apply)

☐ White-clawed crayfish (*Austro. pallipes*)

Plants (tick all that apply)

☐ Common reed (*Phragmites australis*)

☐ Peat moss (*Sphagnum* sp.)

Habitat features

**Shoreline modification
(tick one)**

☐ None (natural)

☐ A few small structures

☐ <33% of the bank modified

☐ 33-66% modified

☐ >66% modified

Riparian zone (up to 10m from bank; tick one)

☐ All semi-natural land use

☐ Nearly all semi-natural land use
(patches of other use)

☐ >66% semi-natural land use

☐ 33-66% semi-natural land use

☐ <33% semi-natural land use

Perimeter trees (tick one)

☐ None

☐ Isolated scattered

☐ Occasional clumps

**Shoreline with fringing marginal emergent vegetation
(tick one)**

☐ No emergent fringe

☐ Occasional clumps of emergent vegetation

☐ Large but isolated beds of emergent vegetation up to 33% of the perimeter

☐ Extensive beds of emergent vegetation 33-66% of the perimeter

☐ Continuous emergent vegetation covering >66% of the perimeter

Number of ditches flowing into the lake

☐

Outflow structure (tick one)

☐ Absent

☐ Present

☐ Semi continuous

☐ Continuous