**Supplementary material**

Macrophyte growth forms shift along the trophic gradient of lakes

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Table S1: Taxon in the dataset with corresponding growth forms.

| **Taxon** | **Growth form** |
| --- | --- |
| Callitriche hermaphroditica |  |
| Ceratophyllum demersum | Canopy |
| Ceratophyllum submersum | Canopy |
| Chara aspera | Characeae |
| Chara connivens | Characeae |
| Chara contraria | Characeae |
| Chara delicatula | Characeae |
| Chara filiformis | Characeae |
| Chara globularis | Characeae |
| Chara hispida | Characeae |
| Chara intermedia | Characeae |
| Chara polyacantha | Characeae |
| Chara rudis | Characeae |
| Chara subspinosa | Characeae |
| Chara tomentosa | Characeae |
| Chara virgata | Characeae |
| Chara vulgaris | Characeae |
| Eleocharis palustris |  |
| Elodea canadensis |  |
| Elodea nuttallii | Canopy |
| Hottonia palustris |  |
| Hydrocharis morsus-ranae | Floating |
| Lemna minor | Floating |
| Lemna trisulca |  |
| Littorella uniflora |  |
| Myriophyllum alterniflorum | Canopy |
| Myriophyllum heterophyllum | Canopy |
| Myriophyllum spicatum | Canopy |
| Myriophyllum verticillatum | Canopy |
| Najas marina | Canopy |
| Najas marina ssp. intermedia | Canopy |
| Najas minor | Canopy |
| Nitella flexilis | Characeae |
| Nitella flexilis/opaca | Characeae |
| Nitella mucronata | Characeae |
| Nitella opaca | Characeae |
| Nitellopsis obtusa | Characeae |
| Nuphar lutea |  |
| nymphaea alba |  |
| Nymphaea alba |  |
| Persicaria amphibia |  |
| Polygonum amphibium |  |
| Polygonum aquaticum |  |
| Potamogeton acutifolius |  |
| Potamogeton alpinus |  |
| Potamogeton berchtoldii |  |
| Potamogeton compressus |  |
| Potamogeton crispus | Canopy |
| Potamogeton filiformis |  |
| Potamogeton friesii |  |
| Potamogeton gramineus | Canopy |
| Potamogeton lucens | Canopy |
| Potamogeton natans |  |
| Potamogeton obtusifolius |  |
| Stuckenia pectinata | Canopy |
| Potamogeton perfoliatus | Canopy |
| Potamogeton praelongus |  |
| Potamogeton pusillus |  |
| Potamogeton trichoides |  |
| Potamogeton x cognatus |  |
| Potamogeton x cooperi |  |
| Potamogeton x nerviger |  |
| Potamogeton x nitens |  |
| Potamogeton x salicifolius |  |
| Ranunculus circinatus |  |
| Ranunculus fluitans |  |
| Ranunculus lingua |  |
| Ranunculus trichophyllus |  |
| Sparganium emersum |  |
| Spirodela polyrhiza | Floating |
| Stratiotes aloides | Floating |
| Tolypella intricata | Characeae |
| Utricularia australis |  |
| Utricularia intermedia |  |
| Utricularia vulgaris |  |
| Zannichellia palustris |  |