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Chapter 1 : Potamogeton friesii - Wikipedia

The Potamogetons (Pond Weeds) of the British Isles, with Descriptions of All the Species, Varieties and Hybrids
Paperback - January 28,

Potamogeton Save Potamogeton is a genus of aquatic , mostly freshwater, plants of the family Potamogetonaceae. Most are known by the common name pondweed, although many unrelated plants may be called pondweed, such as Canadian pondweed *Elodea canadensis*. The genus name means "river neighbor", originating from the Greek potamos river and geiton neighbor. Height is strongly influenced by environmental conditions, particularly water depth. All species are technically perennial, but some species disintegrate in autumn to a large number of asexually produced resting buds called turions , which serve both as a means of overwintering and dispersal. Turions may be borne on the rhizome, on the stem, or on stolons from the rhizome. Most species, however, persist by perennial creeping rhizomes. In some cases the turions are the only means to differentiate species. In many species, all the leaves are submerged, and in these cases, they are typically thin and translucent. Some species, especially in ponds and very slow-moving waters, have floating leaves which tend to be opaque with a leathery texture. Leaf shape has been found to be highly plastic, with variability due to changes in light, water chemistry, planting depth, sediment conditions, temperature, photo period, waves, and seasonality. This may be wholly attached, partly attached, or free of the leaf, and it may have inrolled margins or appear as a tube. The morphology of the stipule is an important character for species identification. The stems have small scales. The flowers, which are often overlooked, are greenish-brown and are composed of four rounded segments borne in a spike. They are merous, with superior ovaries and anthers that turn outward. Their pollen is inaperturate, monad, apolar and spherical. Molecular analysis has identified *Groenlandia* as the sister group to *Potamogeton*,^{[7][8]} although the Angiosperm Phylogeny Group also lists *Zannichellia* , *Althenia* and *Pseudoalthenia* as closely related genera. The broad-leaved group includes such species as *P. Series Batrachoseris* historically contained only one species, *Potamogeton crispus* ,^[11] however more recent research has also added *P.* Currently, the number of accepted names is Distribution *Potamogeton* species are found worldwide in many aquatic ecosystems. However, the greatest diversity of species occurs in the northern hemisphere, especially in North America, which is thought to be where the genus originated. Molecular evidence suggests that several independent colonizations of the southern hemisphere have occurred. This has made it very difficult to use genetic data to find patterns of geographical differentiation. At least 27 hybrids have been observed in the British Isles alone,^[11] and more than 50 worldwide,^[13] of which 36 have been confirmed using genetic techniques. Use of genetic markers suggests that hybrid taxa are also reasonably frequent among fine-leaved species. Much of the European *Potamogeton* flora was subsequently named during the late 18th and early 19th century. As botanists ventured further afield, pondweeds began to be collected and named from other parts of the world. The North America flora was largely named by the start of the 20th century. Alfred Fryer became interested in *Potamogeton* in the s, and was a recognised authority on the genus. His death intervened, and the work was completed by Arthur Bennett , who named a large number of specimens sent to him from around the world. List of *Potamogeton* species The following list is based on the mst up to date listing of valid *Potamogeton* taxa held on The Plant List.

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Chapter 2 : Alfred Fryer - Wikipedia

The potamogetons (pond weeds) of the British Isles, with descriptions of all the species, varieties and hybrids.

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Chapter 3 : *Potamogeton trichoides* - Wikipedia

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Chapter 9 : Potamogeton pusillus - Wikipedia

Potamogeton Pondweeds. There are a large group of aquatic plants known as Potamogetons but are more commonly known as Pondweeds. They have a wide global distribution and some 50 or more species can be found growing in the British Isles.