



Pondwatch JE

a new scheme for surveying Jersey's pondlife

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Amphibian and Reptile Conservation









Identifying Invasive Non-Native Plants Pondwatch...JE

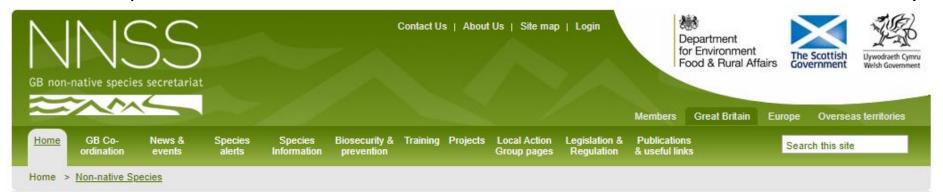
Resources

GB non-native species secretariat

(http://www.nonnativespecies.org)



Includes **Species Identification sheets** and an **E-learning** course (*Module 2b. Identification of Invasive Freshwater Plants*).



Welcome to the GB non-native species secretariat website

First published in 2008 and updated in 2015 the GB Invasive Non-native Species Strategy was developed to meet the challenge posed by invasive non-native species in Great Britain. This website provides tools and information for those working to support the strategy.







Key ID Features

Usually green but often has a reddish tinge and can be completely red when exposed to stresses







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Forms dense mats but can also be present as a few fronds amongst emergent or other floating vegetation



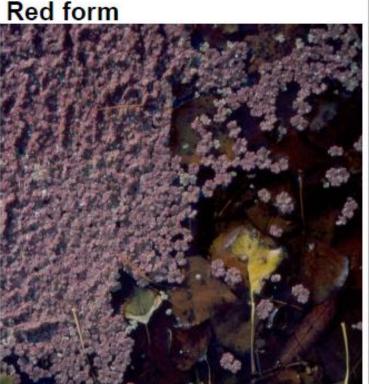
Identification throughout the year

Plants can be present year round, but often die back in winter.

Colour can vary considerably through the year. Green in spring/
summer often turns red during cold weather in autumn/winter.



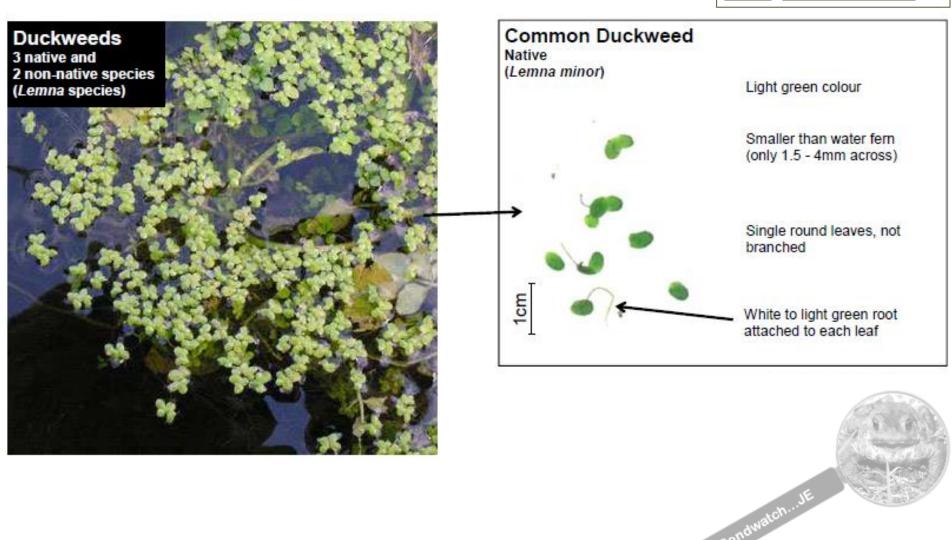




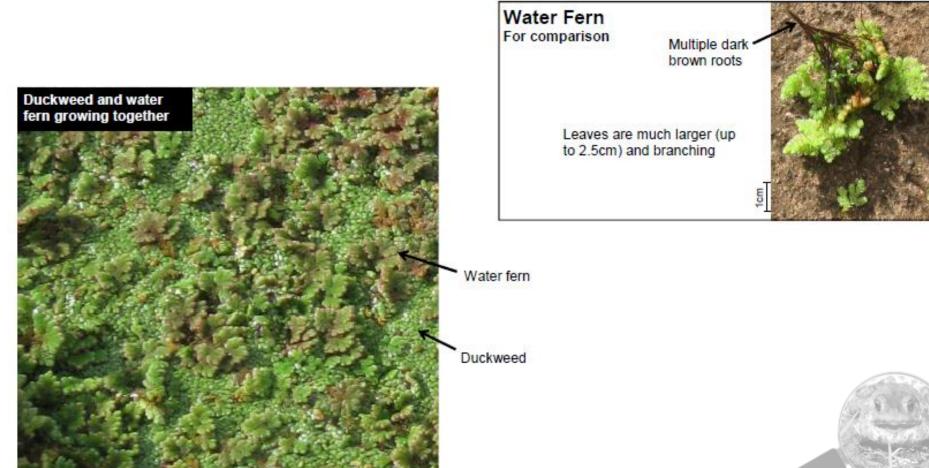


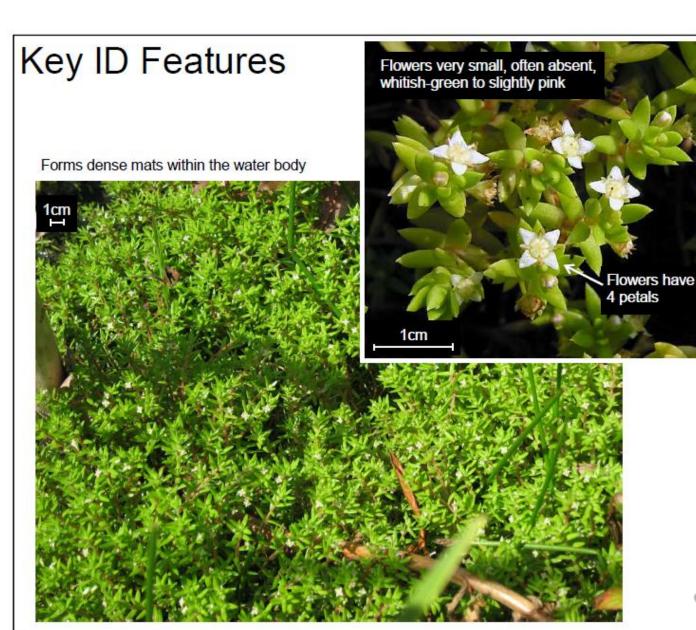
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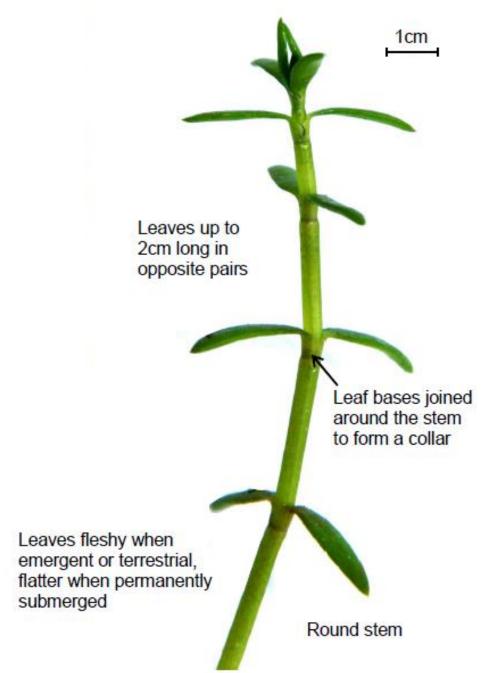






- Forms dense mats within the water body
- Flowers very small, often absent, whitishgreen to slightly pink
- Flowers have 4 petals







- Leaves up to 2 cm long in opposite pairs
- Leaf bases joined around the stem to form a collar
- Leaves fleshy when emergent or terrestrial, flatter when permanently submerged
- Round stem



Identification of different forms

- Terrestrial (left): Growing away from water's edge or left stranded as water level falls, creeping stems and aerial, fleshy leaves.
- Emergent (middle): Densely packed leaves in water, intermediate between terrestrial and submerged form (occurs in water <0.6m deep.)
- Submerged (right): Elongated stems with leaves sparse and flat, able to form extensive mats on bed of water body.









similar species



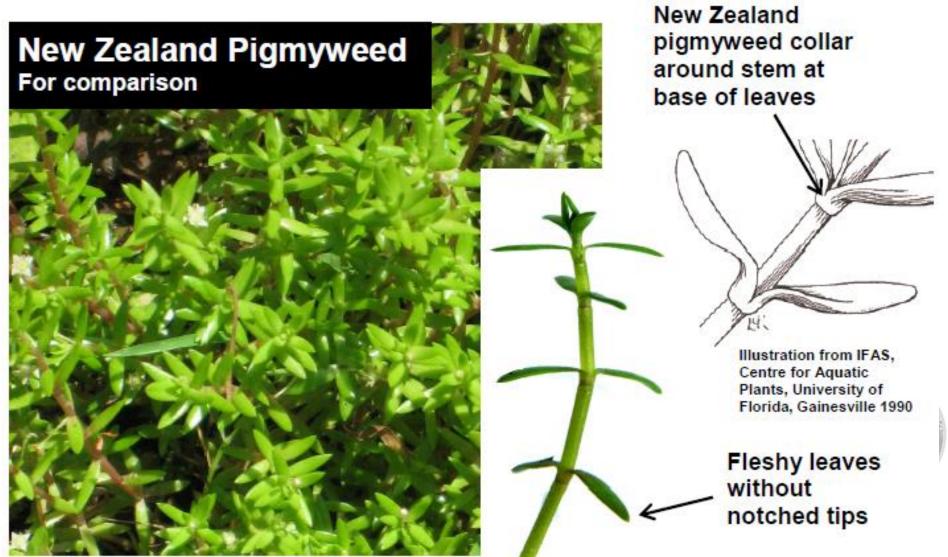
A group of species known as water-starworts are most likely to be confused with New Zealand pigmyweed. Water-starworts are distinguished from New Zealand pigmyweed by their non-fleshy leaves, which are usually notched at the tip (hold up to light or use hand lens), and lack of collar at leaf base.











Canadian waterweed (Elodea canadensis)

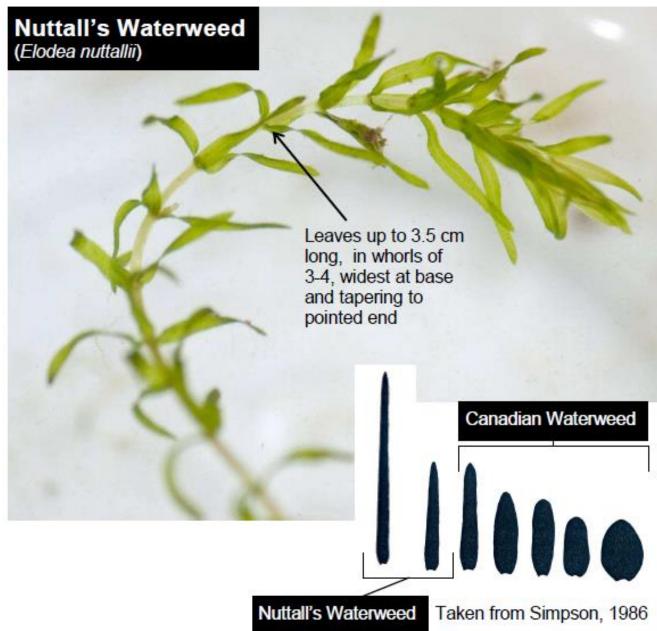




 Flowers are small and inconspicuous and petals white or white tinged with red and borne on end of very long fine stalk.



Canadian waterweed (Elodea canadensis)







Canadian waterweed (Elodea canadensis)

similar species





Curly waterweed (*Lagarosiphon major*) – non-native

- Lower leaves spiraled at base, not in whorls.
- Leaves to 3 cm long.
- Flowers inconspicuous, with reddish petals.



Parrot's feather (Myriophyllum aquaticum)

 Changes form depending on the conditions, varying between submerged to emergent foliage.

Leaves bright to blue-grey green

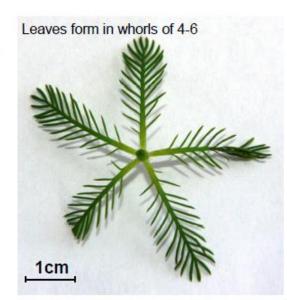
Stem breaks easily, brown roots present around nodes

- Both forms are similar in appearance
- Emergent leaves are stiff, bright green and the most distinctive form.
- Submerged leaves are more fragile and, after death, decompose quickly.



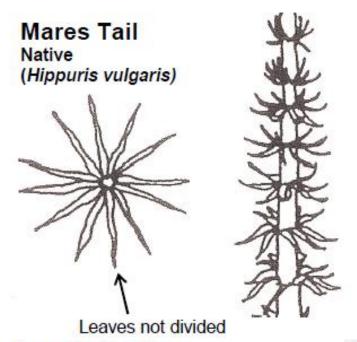
Forms inconspicuous flowers at base of leaves between May and August. Small (2mm) and white. Can be difficult to see.







Parrot's feather (Myriophyllum aquaticum)







Parrot's Feather (and other Myriophyllum species) For comparison

