

# *Alona costata* Sars

Family chydoridae

Genus Alona Baird, 1850

## Key characteristics:

The postabdomen (female) of *A. costata* is relatively long and slender, and posterior it forms a distinctly angled corner. From this, each side of the posterior edge, roughly to the middle, is covered with twelve to fourteen rather coarse and short teeth. The carapace has a pale yellowish green colour and with especially sharply marked longitudinal stripes.

Female: 0.4-0.7 mm

Male: 0.3-0.5 mm

## Distribution:

*A. costata* occurs in 3 % of the investigated lakes missing in the southern and western parts of south Norway. In northern Norway it is only recorded from the eastern parts. It is found between 6 and 791 m a.s.l., in both small pools and large lakes. It seems to have a preference for algal-rich habitats on or near the substrate. *A. costata* is found in localities having pH between 5.5 and 8.3. The species is most common in electrolyte-rich waters and is not found in waters with conductivity below 1.7 mS/m.

