

# Photovoltaic panels to pump silver carp and bighead carp

What is a bighead carp?

Populations of *Hypophthalmichthys molitrix* (silver carp) and *Hypophthalmichthys nobilis* (bighead carp), (together referred to herein as "bigheaded carp") have increased exponentially in the greater Mississippi River Basin.

What is mass removal of bighead carp?

Mass removal of the invasive silver carp *Hypophthalmichthys molitrix* and bighead carp *Hypophthalmichthys nobilis* (collectively referred to as bigheaded carp) is a primary management action in the United States to contain population growth and reduce upstream dispersal.

Can silver carp be integrated with common carp?

The statistical results of the experiment also showed that the integration with silver carp improved not only the net production, growth rate, and feed efficiency of common carp, but also the total fish production and the integrated benefit index of the waters.

What are the 4 types of invasive carp?

Four types of invasive carp are currently found in the United States: black, grass, silver, and bighead carps. These species are fast growing, prolific feeders that out-compete native fish species and drastically alter the natural ecosystems they invade.

Can silver carp grow phytoplankton?

The feces and feed residual of the common carp can be filtered by the silver carp, and can promote the growth of phytoplankton as organic fertilizers. The phytoplankton in turn can be filtered by the silver carp as food.

What is the best ratio of silver carp to common carp?

Considering various factors, the best ratio of silver carp to common carp is 1:3 in the reservoir. It should be noted that due to environmental protection China has gradually banned the net cage farming of fed fish in multi-functional reservoirs.



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