



US Army Corps  
of Engineers®

Engineer Research and  
Development Center

# Aquatic Plant Control Research Program (APCRP)

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## Problem

Invasive aquatic plants threaten our Nation's water resources, preventing or seriously hindering navigation, adversely affecting flood control, hydropower generation, and water supply, and seriously impeding recreation use by the public. The economic costs are in the billions of dollars and increasing. Introductions of new invasive aquatic plants are increasing tremendously and will continue.



## Description of Research

The **APCRP** is the Nation's only federally authorized research program providing the technology to manage invasive aquatic plant species. The objective of the program is to develop cost-effective, environmentally compatible aquatic plant management technologies, which address national needs and priorities in water resources management. The **APCRP** conducts research on the biology, ecology, and management of invasive aquatic plants.

## Expected Products

Product development is focused on ecologically based, integrated management strategies for invasive aquatic plants. In addition, the **APCRP** is developing innovative capabilities for preventing the initial introduction and spread of invasive aquatic plant species over large acreages and replacing problem aquatic plants with native species.

## Potential Users

Water resource managers at Corps projects, other Federal agencies, state and local governments, and the private sector are the primary users of **APCRP** technology.

## Projected Benefits

The **APCRP** provides the Corps with innovative cost-effective capabilities to accomplish mission responsibilities. These capabilities are a significant asset in implementing clean water initiatives by restoring aquatic systems harmed by invasive aquatic plant species. Emerging technologies will result in reduced environmental stress, significant cost savings, and improved aquatic habitat for fish and wildlife.

## ERDC Program Manager(s)

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## Participating ERDC Laboratories

Environmental Laboratory