

Client: Country Club

Problem: High levels of heavy metals and sulfates in 5 acres of ponds.

Target

Contaminants: Heavy Metals, pH, Cyanide, Toxins

Location: New England

Situation: There was a severe problem with ponds that were taken over by excessive cattail growth to the exclusion of all other species. Toxic levels of lead, mercury, arsenate cyanide and chromate as well as high levels of other heavy metals and sulfates were found as a result of excessive build-up of pesticides, herbicides and fungicide residues. It was also noted that muskrats, turtles, foxes and wildlife in general had disappeared

Action: An evaluation of the problem and a bench study were performed. In the summer of 1990, 3 1/2 tons of BIOCARB were placed in the pond systems to reestablish ecological balance.

Results: New plants have replaced the receding cattails, reestablishing the plant ecology of the pond areas. They recovered sufficiently for the wildlife to return and form nesting communities in the area. In one month the ponds were brought to drinking water standards.

Closure: Site evaluations done indicated that it continued to hold those parameters during all four seasons for two years. In 1995 the Audobon Society deemed the 5 acres of ponds a natural bird sanctuary and wildlife preserve.



