

# Biological Monitoring



Commodore's Biological Sampling and Services Group is a nationally recognized biological consulting firm that performs all aspects of biological sample collection, identification, data synthesis, and reporting. The group specializes in performing stream surveys involving benthic macroinvertebrates; in performing fish community studies in reservoirs and streams; and in tissue collection for contaminant analysis. The group is trained and certified to perform sampling in a multitude of environments including hazardous and radioactive environments. The Biological Sampling and Services Group is a multi-disciplined, professional team with the experience and the equipment necessary to respond to their clients needs in a highly qualified and efficient manner.

## BIOLOGICAL SAMPLING

Commodore's Biological Sampling and Services Group specializes in collecting data from a variety of animal population including aquatic organisms (fish and benthic macroinvertebrates), and terrestrial organisms such as white tail deer, rabbits, birds, earthworms and insects. Capabilities include:

- Fish Surveys to determine Population Dynamics
- Tissue Collection for Contaminant Analysis
- Habitat Evaluations
- Wetlands Delineation and Surveys
- Waterfowl and Songbird Surveys
- Terrestrial Mammal Sampling

## STREAM ASSESSMENTS

Commodore's staff of experienced fisheries and aquatic biologists performs stream assessments to determine the impact of man's activities on stream biota. Activities that frequently have negative environmental impacts include quarrying and mining operations, manufacturing, agriculture, and the operation of landfills.

## POPULATION SURVEYS

Commodore conducts population surveys that involve collecting tissue samples, analyzing those samples for a variety of environmental contaminants, and conducting watershed and riparian habitat evaluations.

## BENTHIC SAMPLING AND ANALYSIS

The Commodore Benthic Lab is designed to process both contaminated and uncontaminated samples. Our staff of aquatic ecologists is experienced in the collection and identification of benthic organisms. We have performed hundreds of stream assessments using benthic organisms as indicators of stream health. Our experience also includes the use of Rapid Bioassessment and IBI protocols.

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