

*Logan Martin Lake, Choccolocco Creek and Snow Creek, Alabama*

PELA was engaged to perform an investigation regarding the presence of PCBs in Logan Martin Lake as technical support in a major class action environmental litigation. Work tasks included reviewing documents, preparing summary maps, and collecting sediment samples from the bottom of Logan Martin Lake, Choccolocco Creek, and selected properties adjacent to the lake. These samples were collected and analyzed for PCBs.

*Collecting sediment samples*



Based on the presence of PCBs in the lake, a Feasibility Study was completed to determine the potential costs associated with removing PCBs from Logan Martin Lake, Choccolocco Creek, and Snow Creek. A Work Plan for additional sediment sampling to document the presence of PCBs and biologic exposure studies was also developed.

Additional sampling was subsequently completed in Logan Martin Lake and Choccolocco Creek in accordance with the Work Plan. Sediment samples from about 75 locations were collected using a floating vibracoring system. Sediment samples were described and portions transmitted to PELA's laboratory for analysis for PCBs.

*Collecting lake bottom samples*



Clams in cages were placed at selected locations in the lake and Choccolocco Creek. Clams from these locations were collected periodically and their tissue analyzed for PCBs.

PELA worked as part of a team of experts with diverse backgrounds, including dredging, bioaccumulation of PCBs, and hydrogeology. PELA personnel provided affidavits and expert testimony at depositions regarding the results of the study.