

Title: Biological Monitoring and Abatement Program Data Transmittals to
OREIS: Data Collected during FY 2002 for BMAP

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Abstract:

Biological and related physicochemical data are collected by the Biological Monitoring and Abatement Program (BMAP) from the Oak Ridge Reservation (including at the Department of Energy installations) and from reference streams. This clearance is for data collected by BMAP during FY 2002 which are to be transmitted to the Oak Ridge Environmental Information System (OREIS), in Ready-to-Load format, as BMAP project data.

BMAP data which will or may be sent to OREIS involve (1) fish community studies, (2) benthic macroinvertebrate communities, (3) bioaccumulation studies, (4) bioindicators studies (including reproductive competence), and (5) aquatic toxicity monitoring (which includes basic water quality data). Some data from laboratory controls are also included.

The bioaccumulation studies involve the analysis of fish and clam tissue for selected contaminants. Depending on species and location, tissues may be analyzed variously for metals (particularly mercury, arsenic, and selenium, but also up to a total of 15 ICP/MS metals); and for PCBs (arochlor analysis, 80/80).

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