

# **Water Resources Center Annual Technical Report FY 2001**

## **Introduction**

None

## **Research Program**

None

## Basic Information

<b>Title:</b>	Preventing the Initiation of Biofouling of Membrane Bioreactors in Wastewater Treatment
<b>Project Number:</b>	2001OH1021B
<b>Start Date:</b>	3/1/2001
<b>End Date:</b>	8/31/2002
<b>Research Category:</b>	
<b>Focus Category:</b>	Waste Water, Treatment, None
<b>Descriptors:</b>	16S rRNA, biofouling, membrane bioreactor, wastewater treatment
<b>Principal Investigators:</b>	Daniel Barton Oerther , Dionysious Dionysiou , George A Sorial

## Publication

## Basic Information

<b>Title:</b>	Origin and Transport of Radioactive Ra-226 in Coal-Mine Effluent, Perry County, Ohio
<b>Project Number:</b>	2001OH2361B
<b>Start Date:</b>	4/1/2001
<b>End Date:</b>	2/28/2002
<b>Research Category:</b>	
<b>Focus Category:</b>	Radioactive Substances, Surface Water, Geomorphological and Geochemical Processes
<b>Descriptors:</b>	Radium-226 in mine effluent
<b>Principal Investigators:</b>	Gunter Faure

## Publication

## Basic Information

<b>Title:</b>	Sediment Loads and Conservation Tillage in the Maumee River Watershed
<b>Project Number:</b>	2001OH2821B
<b>Start Date:</b>	4/1/2001
<b>End Date:</b>	3/31/2002
<b>Research Category:</b>	
<b>Focus Category:</b>	Sediments, Non Point Pollution, Models
<b>Descriptors:</b>	geographic information systems, drainage, agriculture, hydrologic models, sedimentation, nonpoint source, watershed management, soil erosion
<b>Principal Investigators:</b>	Douglas Bartlett Moog , Peter John Whiting , Gerald Matisoff

## Publication

## Basic Information

<b>Title:</b>	Hydrological reconnection of a coastal wetland to Lake Erie: potential for outwelling of organic matter?
<b>Project Number:</b>	2001OH2922B
<b>Start Date:</b>	6/1/2001
<b>End Date:</b>	5/31/2002
<b>Research Category:</b>	
<b>Focus Category:</b>	Wetlands, Ecology, Hydrogeochemistry
<b>Descriptors:</b>	coastal wetland, stable isotope, restoration, Lake Erie, outwelling
<b>Principal Investigators:</b>	Virginie Bouchard

## Publication

## Basic Information

<b>Title:</b>	The interactive effects of hydrology and fertility on synthesized wetland plant communities
<b>Project Number:</b>	2001OH3821B
<b>Start Date:</b>	3/1/2001
<b>End Date:</b>	2/28/2002
<b>Research Category:</b>	
<b>Focus Category:</b>	Wetlands, Hydrology, Ecology
<b>Descriptors:</b>	watershed management, restoration, wetland plants
<b>Principal Investigators:</b>	Lauchlan Hugh Fraser

## Publication

## Basic Information

<b>Title:</b>	Methodology for Estimating Total Maximum Daily Load in Watersheds with Considerable Ground-Water Surface-Water Interaction
<b>Project Number:</b>	2000OH9G
<b>Start Date:</b>	10/1/2000
<b>End Date:</b>	10/1/2002
<b>Research Category:</b>	Water Quality
<b>Focus Category:</b>	Hydrology, Non Point Pollution, Nutrients
<b>Descriptors:</b>	
<b>Principal Investigators:</b>	Frank Schwartz , Maged Hussein

## Publication

# **Information Transfer Program**



**USGS Summer Intern Program**

## **Student Support**

None

## **Notable Awards and Achievements**

None

## **Publications from Prior Projects**

None