

# Abstract

## [LINK TO PAPER](#)

### **The Incorporation of GIS Into a Local Mosquito Control Program**

**Track:** Health and Human Services

**Author(s):** Christopher Bauer, Tim Gallagher

Cuyahoga County is located in northeast Ohio and is part of the greater Cleveland metropolitan area. The Cuyahoga County Board of Health Mosquito Control Program has increased its operation as a result of the West Nile Virus outbreak in the summer of 2002. This paper presents the development of a GIS based data management system for the existing mosquito control program. The system will utilize ArcGIS software with support from Microsoft Access. Cartographic outputs will include operational maps, surveillance maps, and other outputs. The completed system will enhance the department's ability to protect the public from vector borne disease.

#### **Christopher Bauer**

Cuyahoga County Board of Health  
Environmental Health  
1375 Euclid Ave  
Cleveland , OH 44115  
USA

**Phone:** 216 443 7520

**Fax:** 216 443 7537

**E-mail:** [cbauer@ccbh.net](mailto:cbauer@ccbh.net)

#### **Tim Gallagher**

Cuyahoga County of Board of Health  
Community Health  
1375 Euclid Avenue  
Suite 522  
Cleveland 44115  
USA

**Phone:** (216) 263-4613

**E-mail:** [tgallagher@ccbh.net](mailto:tgallagher@ccbh.net)