

# GIS USERS OF NORTHERN OHIO

The **GIS USERS OF NORTHERN OHIO** (GUONO) is an informal group that promotes geographic data sharing, encourages data standardization, and provides a network for the exchange of technical information between all GIS users. Our goals include developing a forum for open discussion of GIS issues and encouraging personal communication between GIS users of all skill levels in the public, private, non-profit and educational sectors.

## Mark your calendar and join us:

Wednesday April 6, 2011 from 1:30 to 3:00 at **the City of Cleveland – Division of Water Pollution Control Office** (12302 Kirby Ave., Cleveland, OH 44108).

This will be a more of a workshop-type meeting for those interested in participating in the Stream & Watershed Mapping Group initiative.

Hydrography data that has been collected from agencies in our region will be reviewed and a work plan developed towards creating a regional, seamless hydrographic geospatial dataset. The group recognizes that various local agencies have high quality hydrographic data but only for their organization's geographic extent. No edge-matching between datasets or standardized content limits the usefulness of these data. The group has recognized the utility of collaborating with the National Hydrography Dataset (NHD) which is promoted and maintained by USGS, rather than create another dataset apart from national efforts. The NHD contains a flow network that allows for tracing water downstream or upstream and uses an addressing system based on reach codes and linear referencing to link specific information about the water such as water discharge rates, water quality, and fish population. Using basic NHD features like flow network, linked information, and other characteristics, it is possible to study cause and effect relationships, such as how a source of poor water quality upstream might affect a fish population downstream.

Best Regards,

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