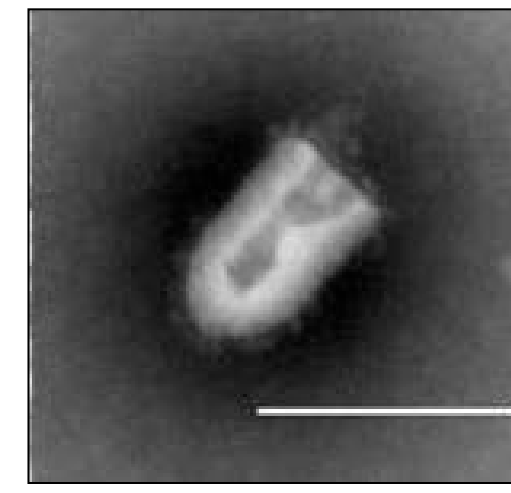


VHSV surveillance in Minnesota waters*

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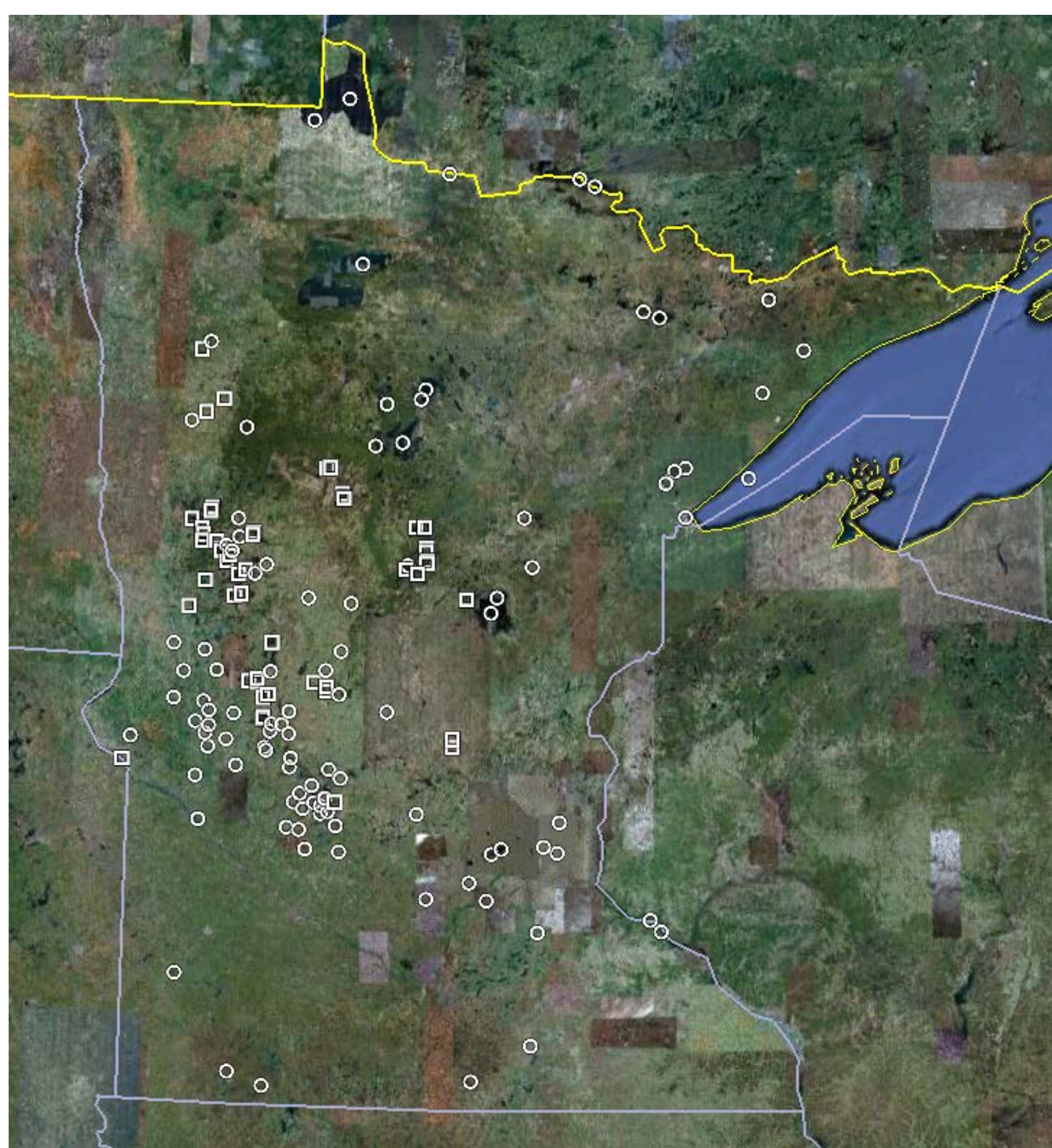


VHSV particle, scale bar = 200nm. (A. Armien)

Introduction: Viral hemorrhagic septicemia virus (VHSV) is a highly contagious (invasive) virus that is lethal to many sport fish. It has invaded all of the Great Lakes as well as inland waters of MI, NY, OH, and WI, and now poses a threat to Minnesota. Early detection is essential for effective long term control. This study adds to ongoing efforts by the DNR that are focused on DNR hatcheries by expanding sampling to include wild fishes in lakes.

Methods: 60 fish will be sampled from 40 water bodies by the DNR in 2013 and 2014 and brought to the university for virus isolation and tests using highly sensitive molecular methods (rRT-PCR).

Results: VHSV has not yet been detected in MN waters. Future survey will inform MN DNR management efforts.



Previous VHSV survey in Minnesota from 2010-2011. Squares indicate baitfish and circles indicate sportfish sampling sites. All locations were VHSV negative

