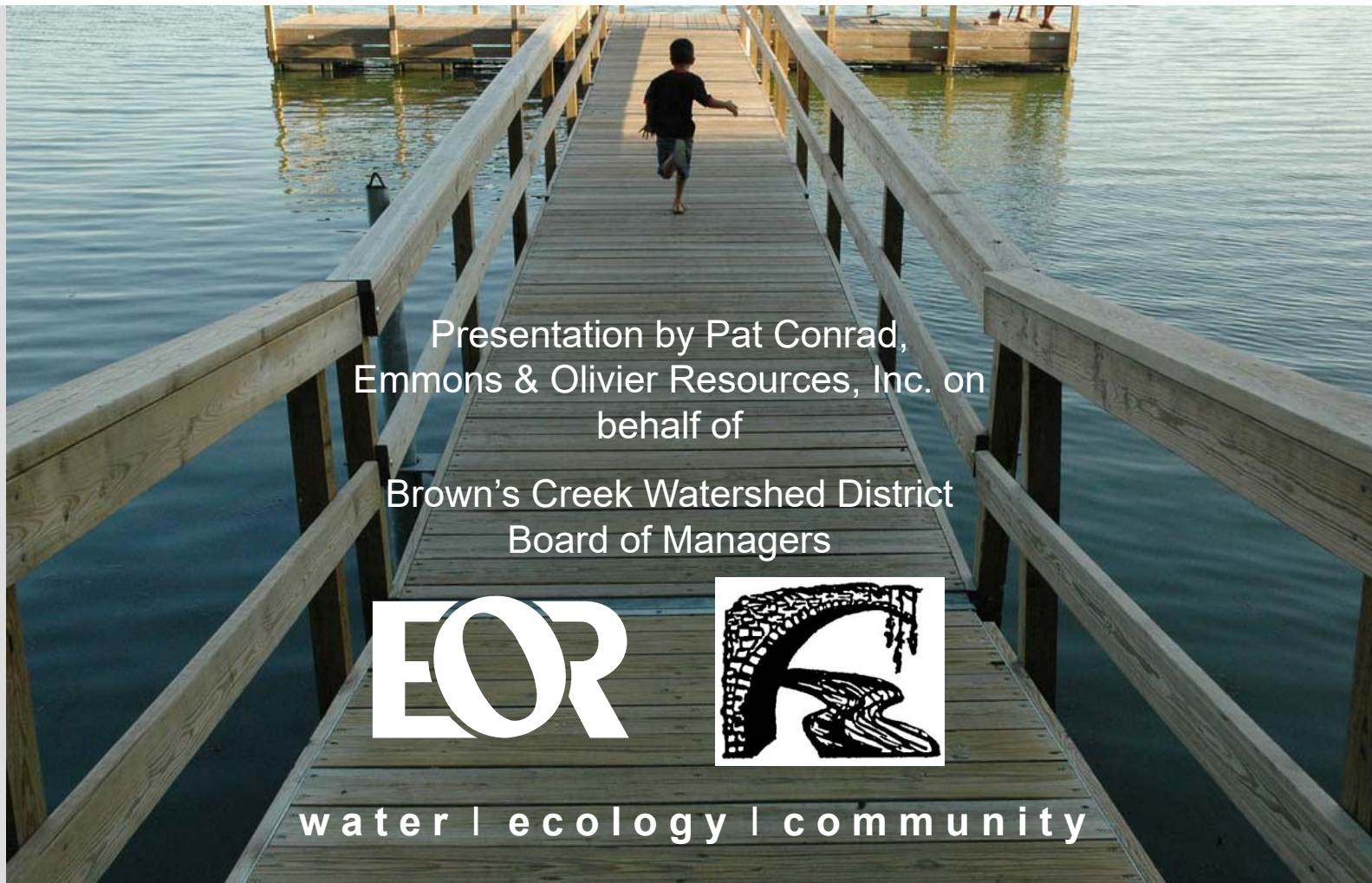
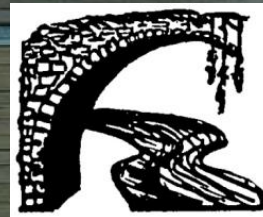


BCWD District-Wide Pond Management Plan



Presentation by Pat Conrad,
Emmons & Olivier Resources, Inc. on
behalf of

Brown's Creek Watershed District
Board of Managers



water | ecology | community

District-Wide Ponds

July Avenue Pond

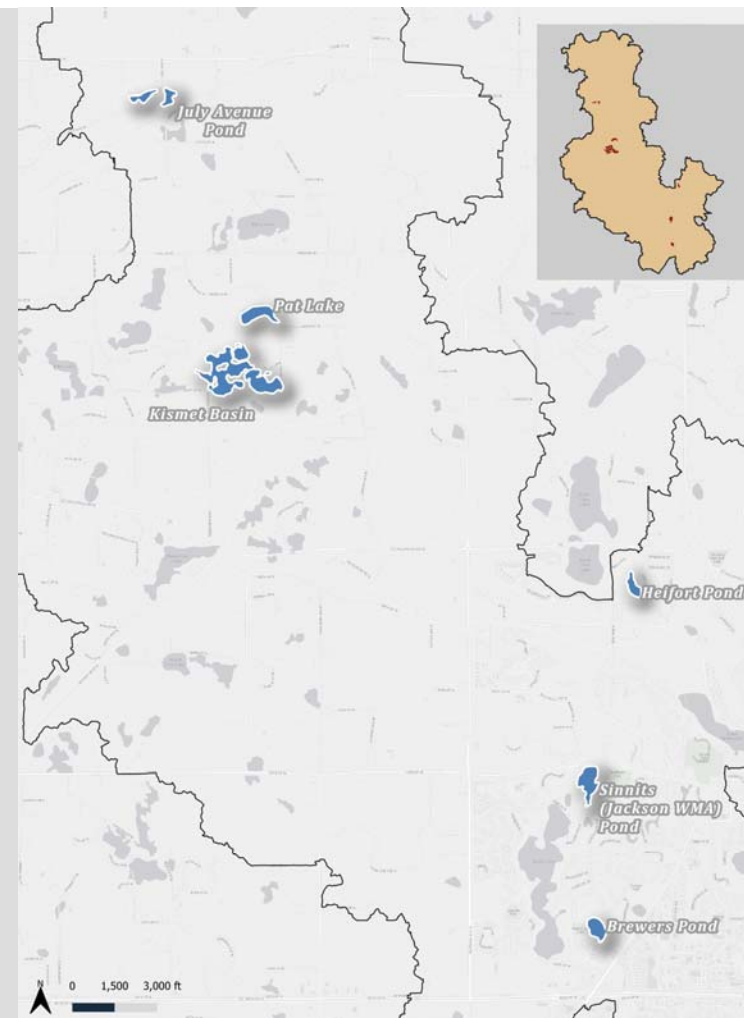
Pat Lake

Kismet Basin

Heifort Pond

Sinnits (Jackson WMA) Pond

Brewers Pond



Project Overview

1- Conduct lake condition assessment

- Water Quality
- Aquatic Vegetation
- Shoreline Analysis
- Bathymetry
- Flood risk assessment

2 – Meet with residents!

3 - Develop Story Map web site



July Avenue Pond: Photo Courtesy of Rebecca Oldenburg

Watershed Effect on Lake Dynamics

The natural characteristics of a watershed coupled with the land use in a watershed define the amount and quality of water reaching downstream resources

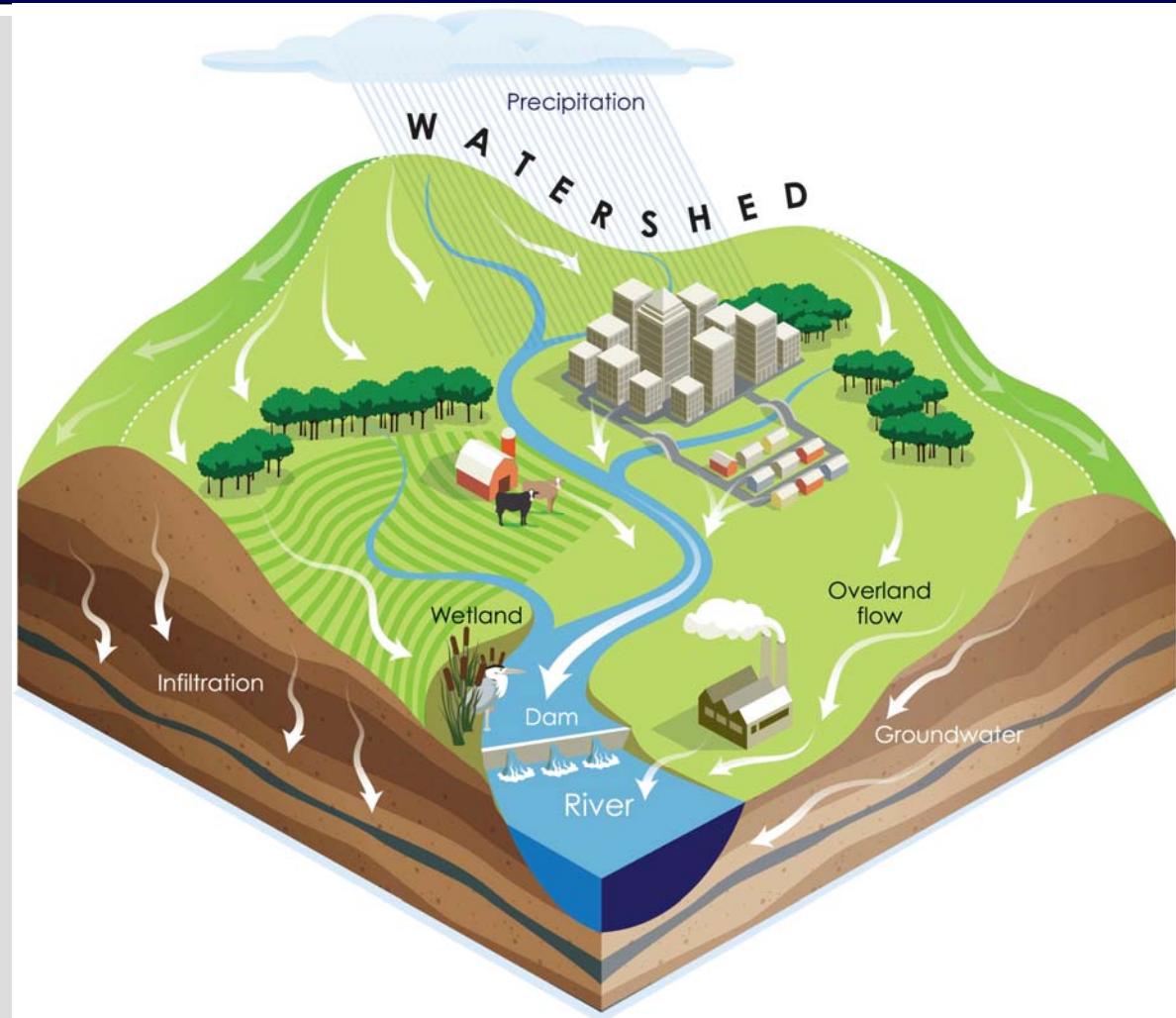
Size and Shape

Topography

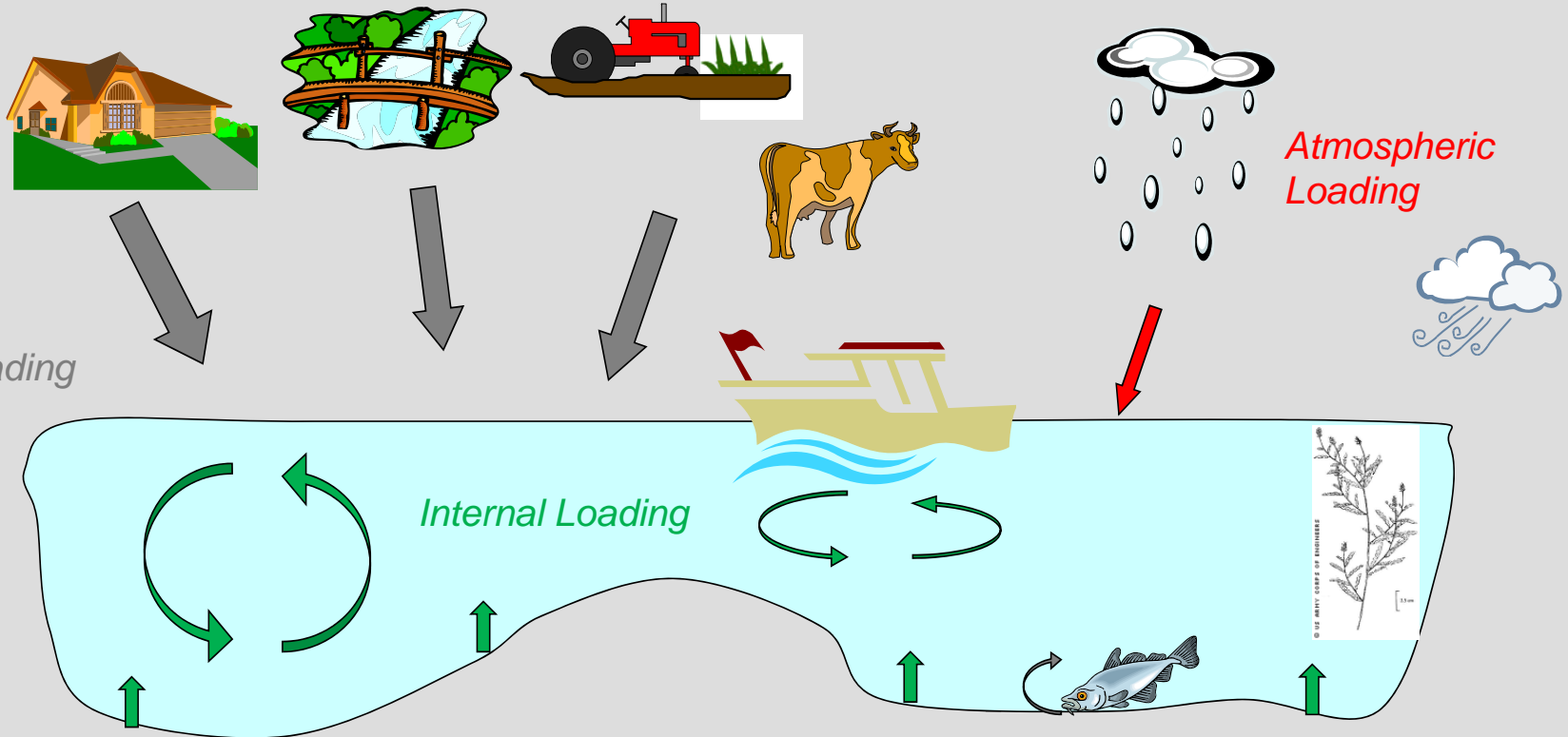
Soils

Vegetative Cover

Land Uses



Watershed Pollutant Loading



Watershed Loading

Atmospheric Loading

Internal Loading

- Nutrients – Phosphorus, Nitrogen, Chloride
- Sediment
- Pollutants – Metals, Pesticides, Bacteria