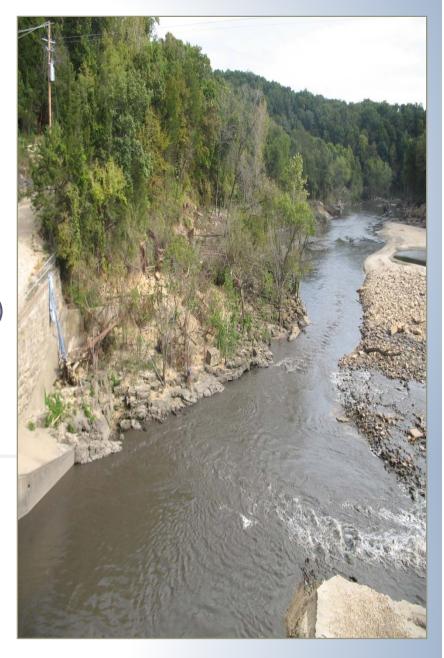
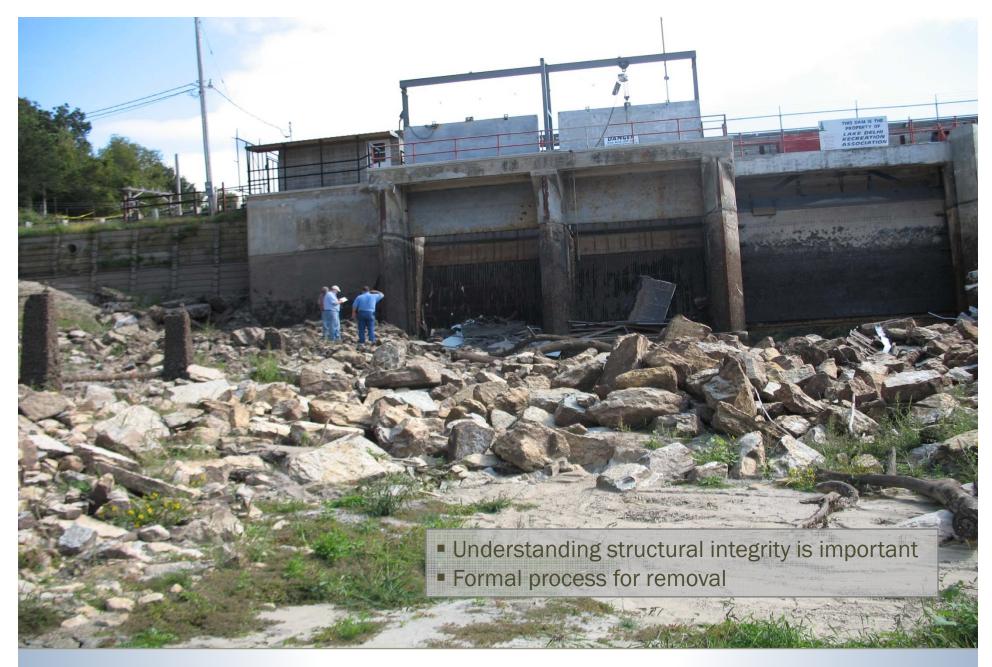
LAKE DELHI TASK FORCE-ENVIRONMENTAL SUB-COMMITTEE



IOWA DEPARTMENT OF NATURAL RESOURCES

- Structural Assessment
- Wastewater
- Floodplain
- Water Supply (Public & Private)
- Stream Bank Stabilization
- Aquatic Life
- Public Safety & Recreation





STRUCTURAL ASSESSMENT

- #1 Priority on Iowa's Unsewered Communities List
- Shared responsibility with County Health Department
- Inadequate septic systems have a direct impact on drinking water



Full septic system

Septic system overflow

WASTEWATER

Private Drinking Water Wells

- Historically 25% of local wells are found to be unsafe
- Of recent samples collected,
 nearly 70% have Coliform bacteria
 contamination
- Installation or rehabilitation of wells



new wellhead

Public Drinking Water Systems

Is an option to help community with water contamination

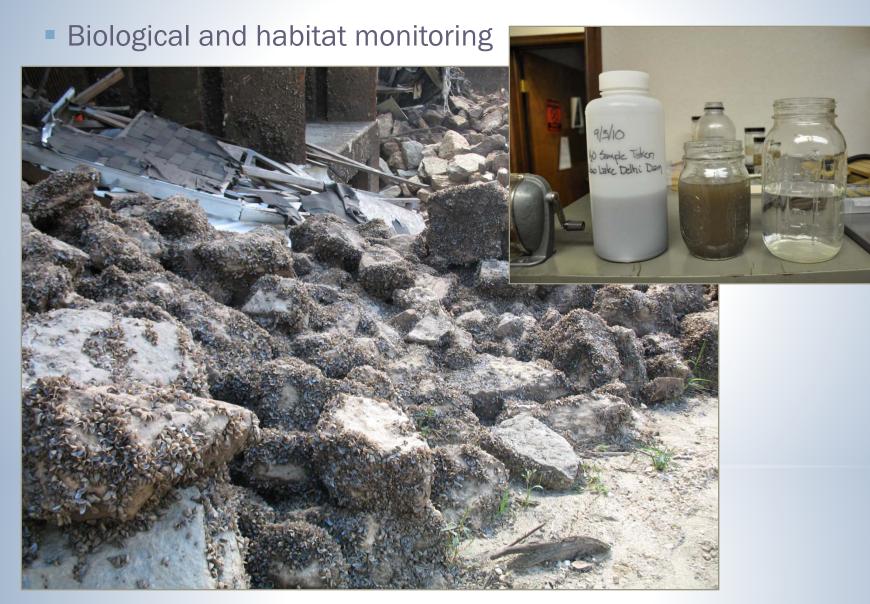
WATER SUPPLY

When a permit is needed:

- Buildings in 100 yr. floodplain with more than 50% damage
- Work along river bank
- Work on a stream bank protective device



FLOOD PLAIN



AQUATIC HABITAT

DNR recommends no recreational use at this time



PUBLIC SAFETY/RECREATION





Dam Classification: High Hazard

Dam Permit Requirements

- Specified freeboard design flood is the probable maximum flood
- Must have the capacity to pass a 100 year flood by the principal spillway without need for operation of an emergency spillway
- Soils and foundation investigation
- Investigation of anticipated sedimentation rates and their impact on the life/usefulness of the impoundment
- A written operating plan
- A gated low level outlet
- Dam breach analysis must be completed
- Fish passage requirements must be implemented
- Development of a comprehensive Emergency Action Plan

DAM PERMITTING AND REGULATIONS