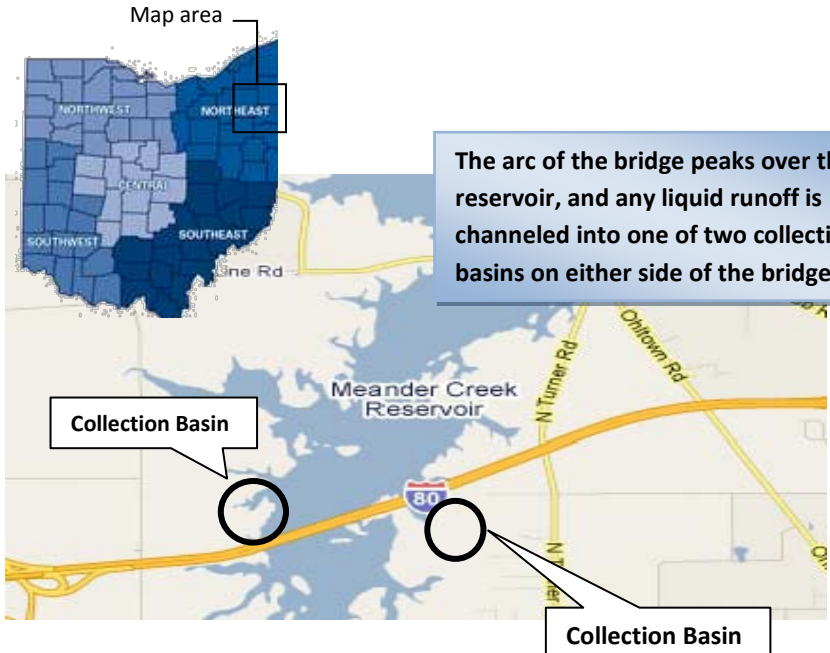
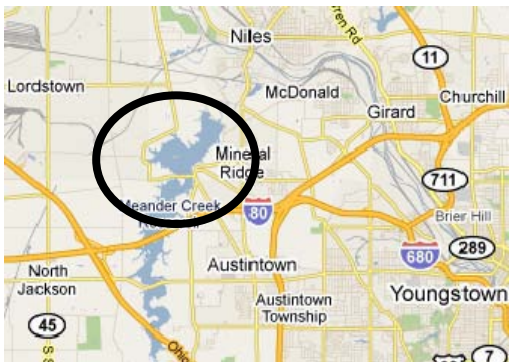


Safeguarding a drinking water supply

An innovative way to contain spills, especially hazardous materials, is being used to project the Meander Creek Reservoir, which supplies drinking water to 220,000 Mahoning and Trumbull County residents. Any liquid runoff on the two I-80 bridges over the reservoir is channeled into a basin at either end. The sloped basin, constructed of dirt on a clay liner, allows liquids to follow a serpentine ditch before entering the reservoir through a pipe and a valve, which can be closed if there is a hazardous spill.

Meander Creek Reservoir



BEFORE and AFTER

Before the construction of the collection basins, toxic fluids from accidents and spills drained directly into the reservoir.

To keep this from happening, long, serpentine ditches were built into the basins to act as a detour. This gives Authorities 30 minutes to reach the site and close a shutoff valve.

DIAGRAM IS NOT TO SCALE.

