



Michigan's
Nonpoint Source
Program

2009-0110

Clean Michigan Initiative Clean Water Fund



City of Pontiac

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City of Pontiac Illicit Discharge Elimination II

July 15, 2009 to August 31, 2010

The goal of this project was to reduce water quality impairments caused by illicit connections to Pontiac's storm sewer system. Bacteria and low dissolved oxygen levels are identified pollutants within all three subwatersheds (Clinton Main, Rouge Main 1-2 & Upper Clinton). Sixty-two outfalls were inspected, resulting in the cleanup of one illicit discharge and the elimination of one illicit connection from an auto collision shop. The City's Sewer Department completed extensive investigative work (video inspection and contaminated sediment removal) within the storm sewer associated with the illicit discharge in order to verify there were no illicit connections. As a result, the project was significantly overmatched.



Grant Amount: \$34,200

Match Funds: \$21,600

Total Amount: \$55,800

Clinton Main Subwatershed



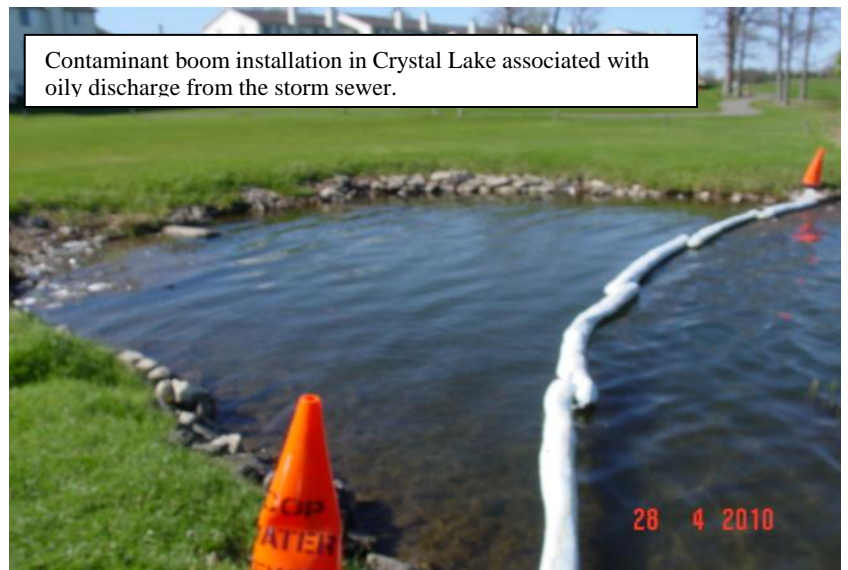
Partners involved:

City of Pontiac
Mwak & Fraus Engineers
DNR

Best Management Practices:

- 62 Outfalls inspected
- 29 outfalls with flows tested
- 1 outfall found to have high Bacteria; cross connections found & eliminated
- 1 outfall found to have petroleum based product. Product removed.
- 30' of absorbent boom installed in Crystal Lake; absorbent pads installed in storm structure (see photo, right).
- Petroleum bases material siphoned out of Stormwater structure and taken to treatment plant.
- Project eliminated annual loadings of 33.6 pounds of Detergents and 0.2 pounds of Ammonia.

Contaminant boom installation in Crystal Lake associated with oily discharge from the storm sewer.



I&E Activities (concurrent with but outside the grant scope):

- Although not required, the City met with a homeowners' association to discuss progress in identifying the illicit discharge into the storm sewer system.

Sept 2, 2010