

MRBC Voluntary Floodproofing Cost-Share Assistance Program

PROJECT: Single story house on a basement foundation located in the Floodway-Fringe of the St. Marys River in the City of Decatur, Indiana suffered Flood Damages three (3) times from 1978—1999. This Repetitive Loss structure was constructed before the Special Flood Hazard Area had been identified.

Mitigation Choices: Acquisition and Floodproofing. Floodproofing was chosen over acquisition based on a higher Cost-Benefit Ratio.

Floodwall Construction: This structure was vulnerable due to an exterior basement entry way. A floodwall was constructed to an elevation two feet (2') above the 100-year Base Flood Elevation which meets local and state Flood Protection Grade requirements. Additionally, two (2) sump pumps were installed and a gas powered electrical generator purchased to serve as a back-up in the event of an electrical power failure.

Floodproofing Project Cost: + \$15,000.00

Cost-Share Funding:	MRBC Floodproofing Program Grant	- \$ 5,000.00	33%
	Homeowner Cost share	- \$ 10,000.00	67%

Two foot (2') Freeboard Saves Structure from Record Flood: July 2003 "Firecracker Flood" tests project to the limit:

With floodwaters cresting at record levels, the Parkview neighborhood in the City of Decatur soon became victim to the ravaging floodwaters of the St. Marys River. All of the neighboring houses suffered major flood damage. **This structure, situated in the midst of the neighborhood, suffered NO DAMAGE!! Floodwaters crested to within 7" from the top of the floodproofing wall,** therefore protecting it from being damaged. With electrical power being disconnected in the entire neighborhood, the gas powered generator served to prove its worth by providing electrical power to the two (2) sump pumps that discharged floodwater seepage and kept the structure free of damage. This project serves as a true testament of why Indiana requires a two foot (2') freeboard. What a success!!



July 2003: Floodwaters crested at Record Levels, exceeding the 100-Year Flood (1% annual chance of occurrence).

Floodproofing Project Proves Successful! No damage to this structure, thanks to the two-foot freeboard on the floodwall.

Pre-disaster Flood Mitigation saves thousands in post-disaster Flood Damages.

- ◇ No Structural Flood Damage; a savings of +/- \$45,000.00
- ◇ No Federal Assistance Required
- ◇ No Evacuation
- ◇ No Emergency Assistance

