

Federal Clean Water Act Section 319 Grant 2015-0027



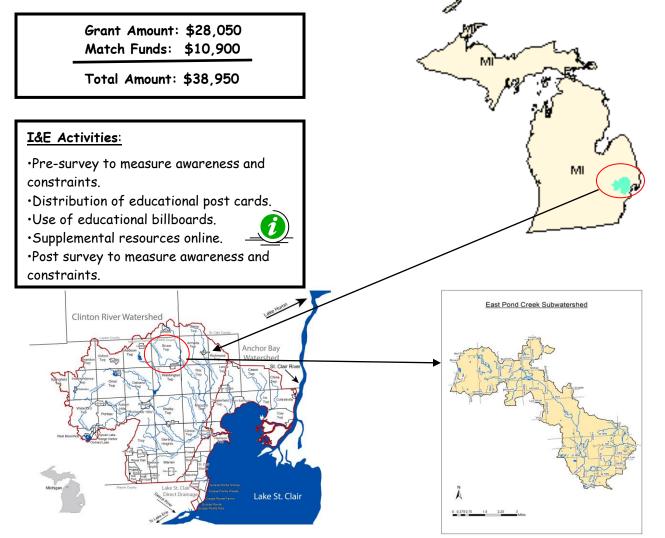
Clinton River Watershed Council

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Measuring Educational Success for Protection of East Pond Creek

December 1 2015 - September 30, 2018

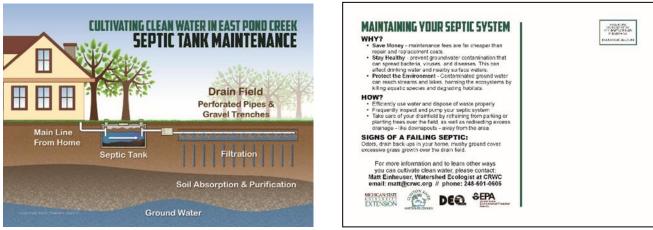
This unique project utilized the Social Indicator Planning and Evaluation System (SIPES) to measure willingness of farmers and residents to implement best management practices for water quality protection within East Pond Creek, a sub-watershed of the North Branch Clinton River. The top land uses in the sub-watershed are agricultural, single family residential, woodland and wetlands, and industrial. The sub-watershed is listed as impaired in the 2014 integrated report due to E. coli stemming from agricultural and urban runoff and onsite septic systems. The valuable information gathered by the survey was used to create an educational campaign that targeted homeowners and farmers through billboard ads, post card mailings, and online resources in order to raise water quality protection awareness in the target area. Partners included the Natural Resource Conservation Service and Michigan Department of Agriculture and Rural Development, both of which provided support in survey development and drafting educational materials.



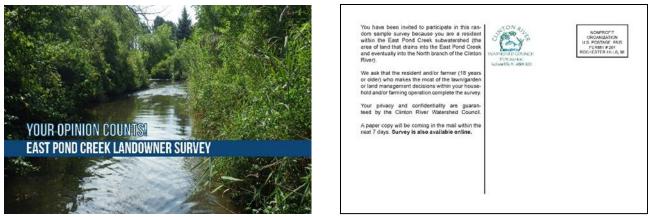
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Post Card #2 Targeting all households with septic systems



Above, Post Card used as "wave one" announcing the upcoming survey

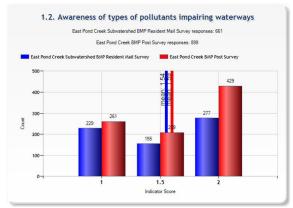
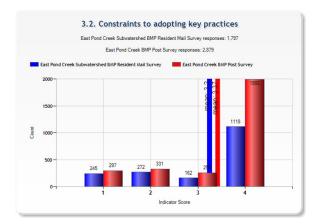


Figure 1 Comparison of "pre" and "post" SIDMA Awareness Indicator score showing slight but significant increase in awareness in the "post".



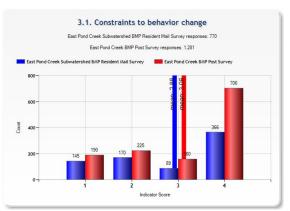


Figure 2 Comparison of "pre" and "post" SIDMA Constraints Indicator Score showing a decrease in constraints post project (1 = High, 4 = Low).

Figure 2 Comparison of "pre" and "post" SIDMA Constraints Indicator Score showing a decrease in constraints to adopting key BMPs post project (1 = High, 4 = Low).