

# Love Creek Watershed Indicator Update

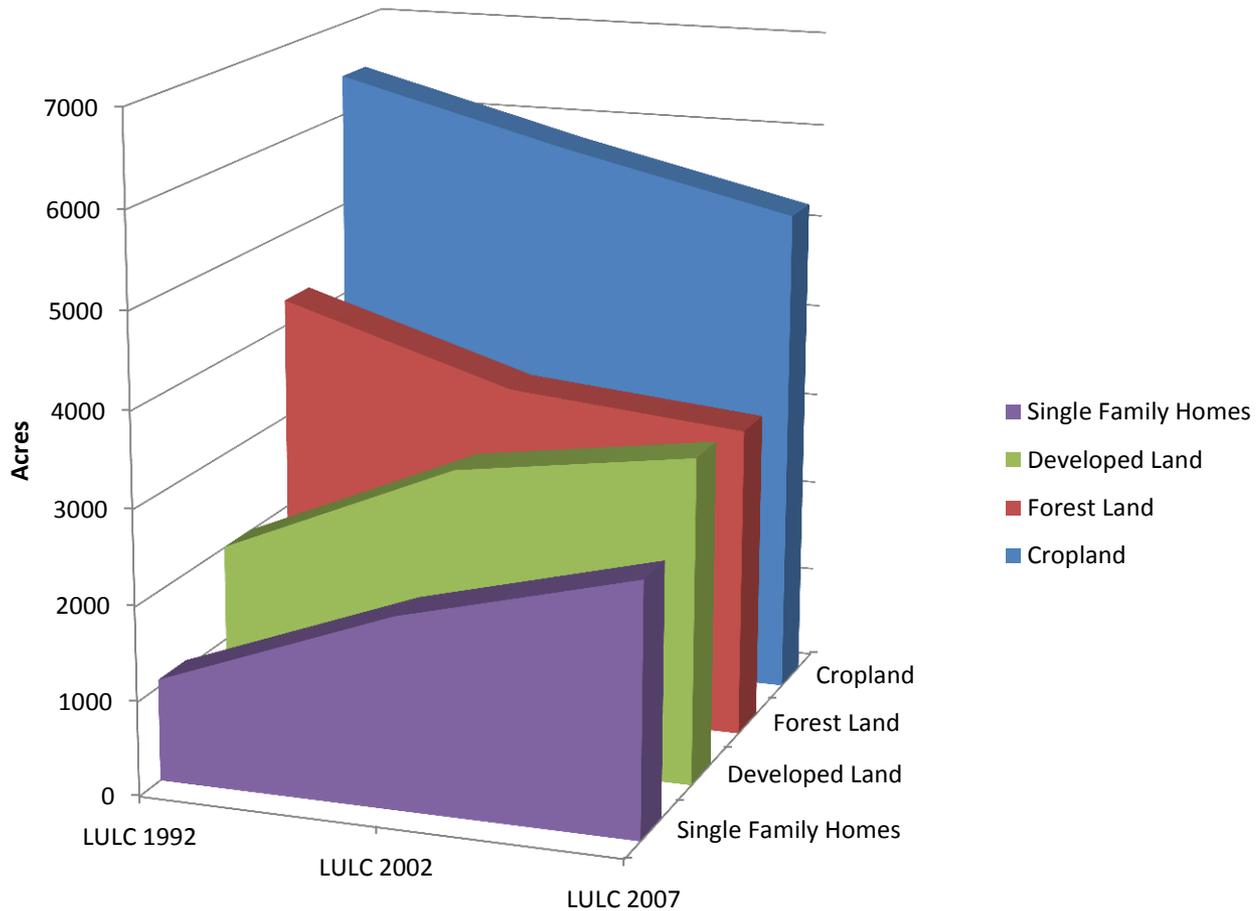
June 24, 2014

Your Creek Initiative  
Love Creek Team

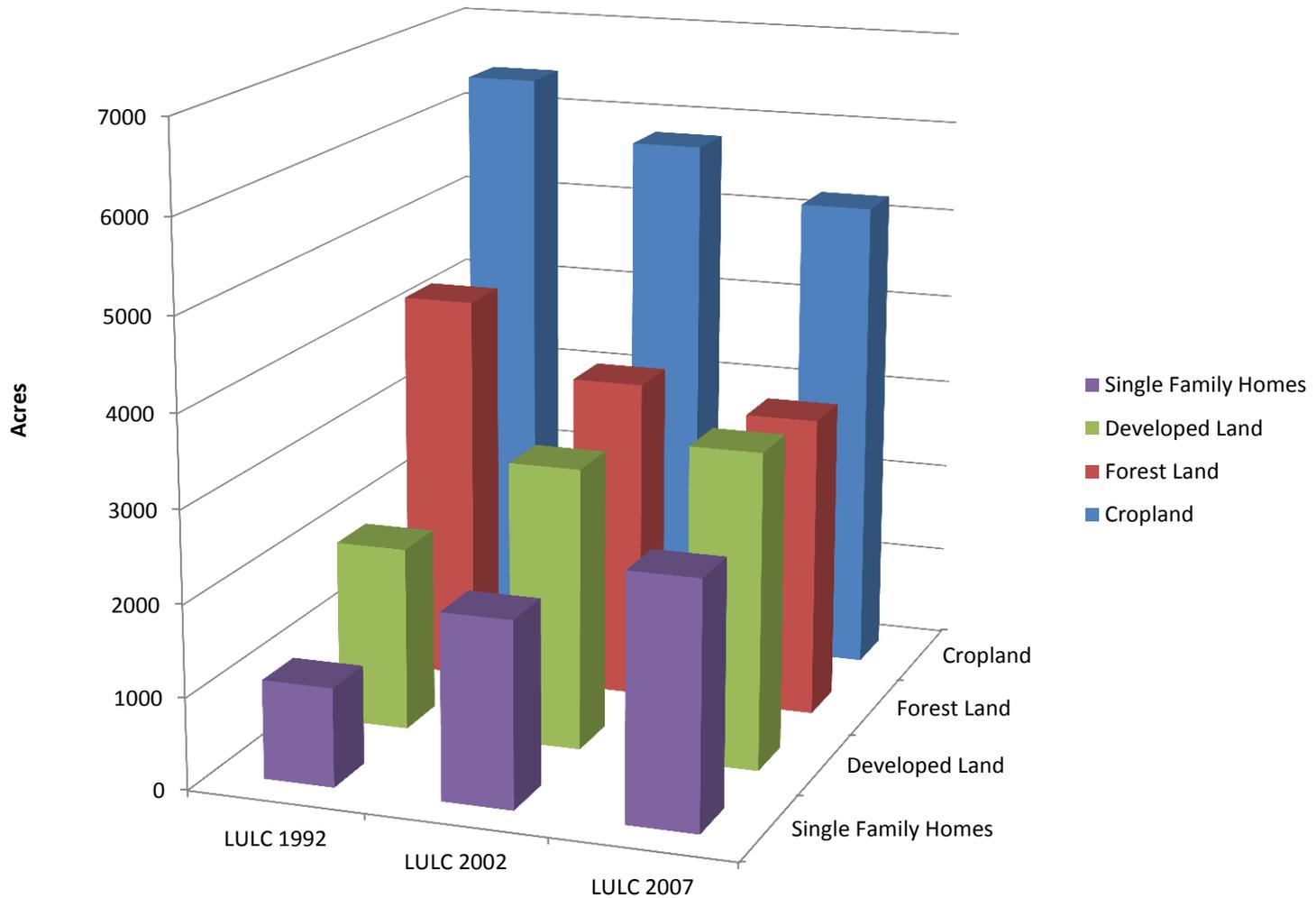


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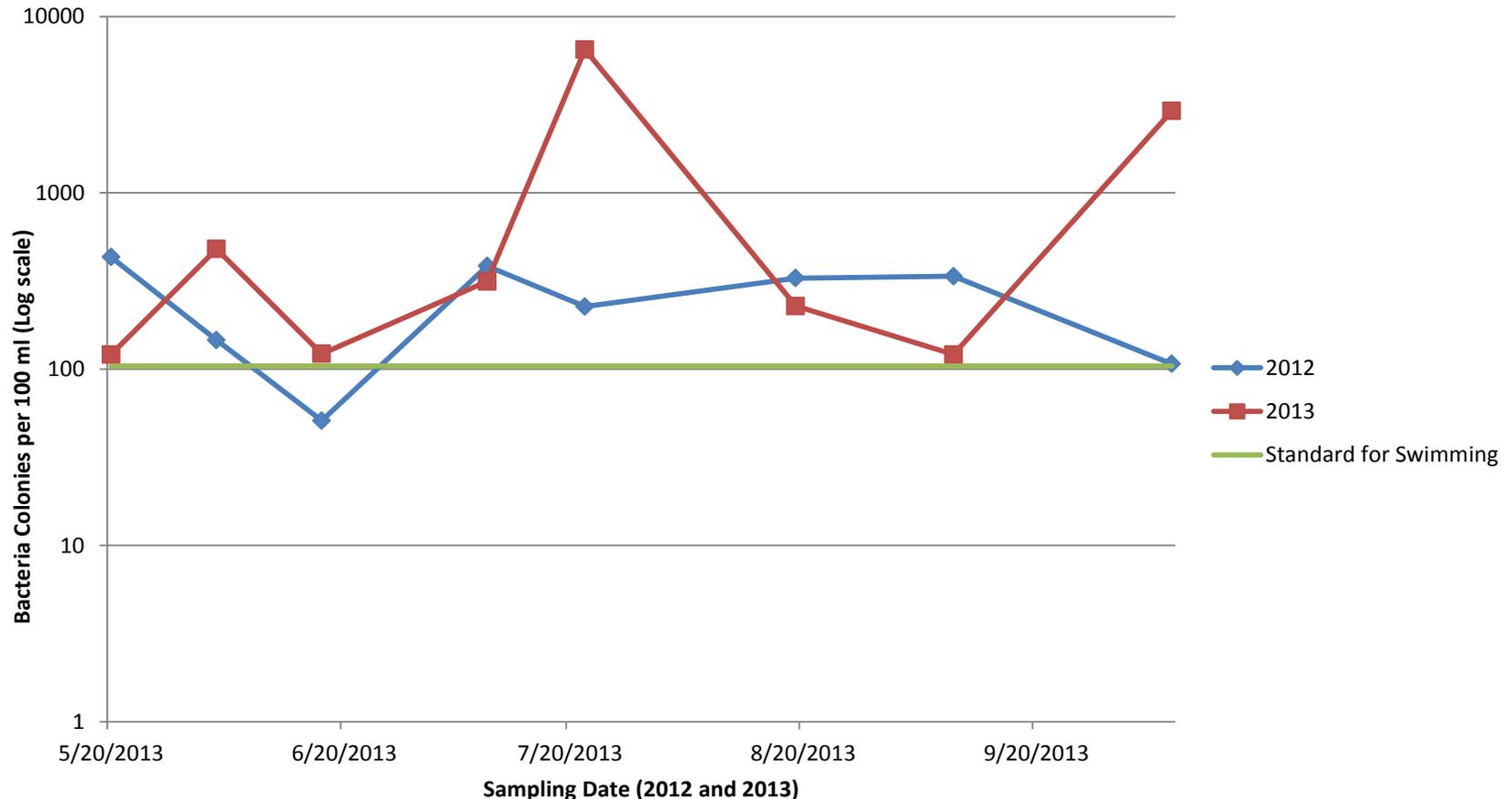
# Land-Use/Land-Cover Change Love Creek Watershed (1992 – 2007)



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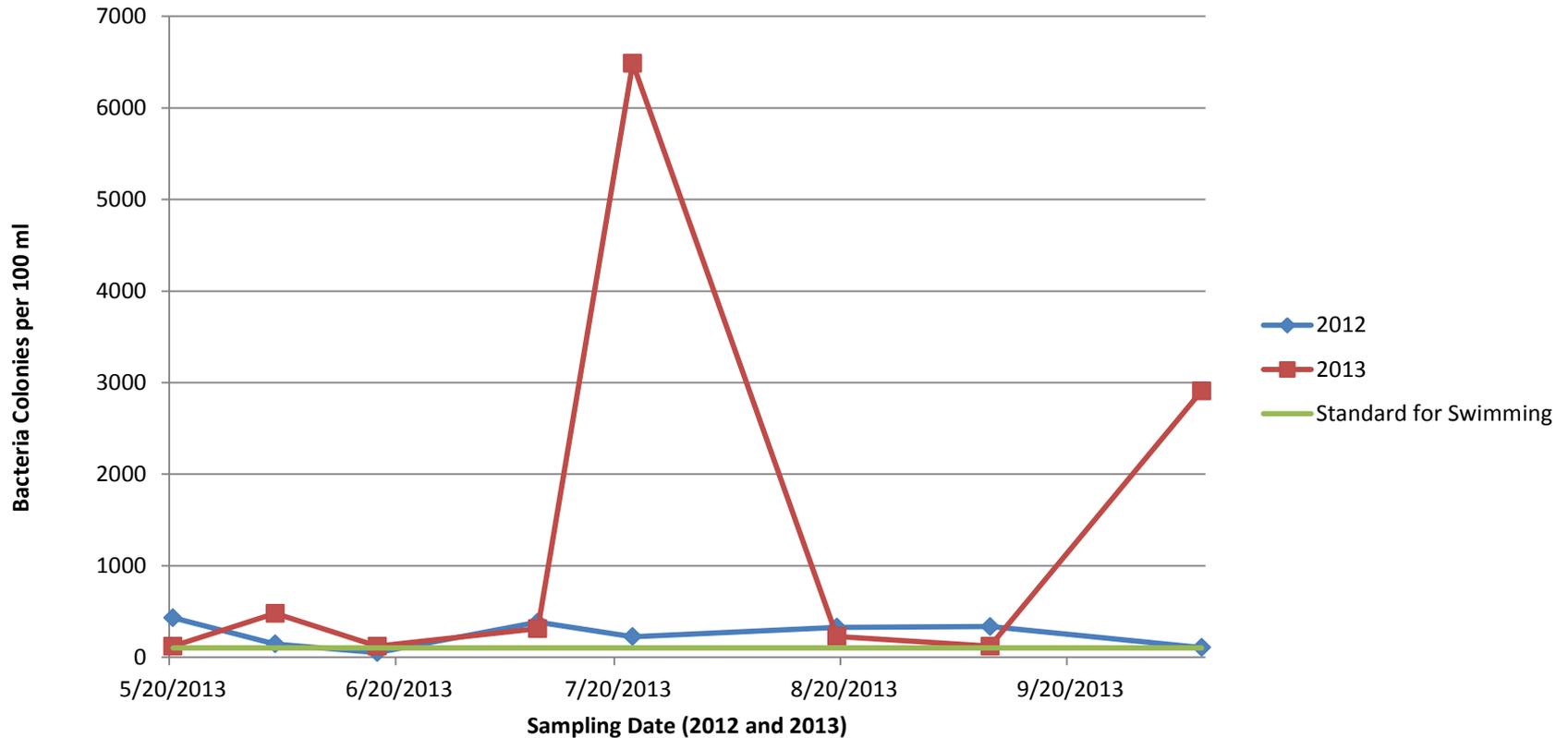


# Bacteria Data for Love Creek: University of Delaware Citizen Monitoring Program - Total Enterococcus



- Total Enterococcus (TE) are a group of bacteria that are normally found in the guts and feces of warm-blooded animals (mammals and birds).
- The EPA and the State of Delaware use TE as the best, easily-measured bacterial indicator of the risk of acquiring gastroenteritis from swimming in fecal contaminated water.

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# Bacteria Sources

- DNREC Non-Point Source Program identified livestock, pet wastes, and faulty septic systems as some of the leading causes of higher bacteria counts.
- 2012 Sea Grant and DNREC source tracking study found shorebirds can also be a sources of higher bacteria counts (associated with higher density areas, such as nesting sites).