



Genesee County Health Department

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Date: June 21, 2012
Release Date: For Immediate Release End Date: June 25, 2012
Contact Person: Brian McKenzie
Environmental Health Supervisor
Genesee County Health Department
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RE: E. Coli Bacteria Results For Monitored County Lakes.

All monitored points in Genesee County are currently in compliance with State guidelines for bacterial concentrations at bathing beaches. Water testing is available for all Genesee County public beach operators; please contact us for more information.

Exposure to any recreational water can be a potential health risk. Gastrointestinal and dermatological illnesses have been associated with recreational water exposure. Rain and subsequent runoff can dramatically increase E. coli bacteria levels in lakes and other surface waters. Therefore, the Genesee County Health Department is advising that all beach patrons exercise due caution with total body contact in area surface waters after rain events.

Your Genesee County Health Department utilizes the following rules to interpret the E. coli test results. (By authority conferred on the director of public health by section 12544 of Act No. 368 of the Public Acts of 1978, as amended, being §333.12544 of the Michigan Compiled Laws):

R 325.2102 Sanitation and safety determinations. Rule 2. (1) Bacterial concentrations in water at a bathing beach, as determined by standard methods, shall contain not more than 130 Escherichia coli (E. coli) per 100 milliliters, as a 30-day geometric mean. Compliance shall be based on the geometric mean of all individual samples taken during 5 or more sampling events representatively spread over a 30-day period. Each sampling event shall consist of 3 or more samples taken at representative locations within a designated sampling area. Bathing beach waters shall not contain more than a maximum of 300 E. coli per 100 milliliters. Compliance shall be based on the geometric mean of 3 or more samples taken during the same sampling event at representative locations within a defined sampling area.

Better Life Through Better Health

2012 Bacterial Concentrations of Escherichia coli per 100 milliliters

LOCATIONS:	*Wk of 5/14	*Wk of 5/21	*Wk of 5/28	*Wk of 6/4	*Wk of 6/11	*Wk of 6/18	*Wk of 6/25	*Wk of 7/2	*Wk of 7/9	*Wk of 7/16	*Wk of 7/23	*Wk of 7/30	*Wk of 8/6	*Wk of 8/13	*Wk of 8/20	*Wk of 8/27	*Wk of 9/3	*Wk of 9/10	** 30 Day Mean
Byram Lk. Clover Beach	2	3	35	2	17	20													10
Hasler Lake Campground						11													N/A
Holloway-Buttercup Beach	8	3	4	1	3	2													2
Mott Lake - Bluebell Beach	8	12	15	7	18	2													9
Myers Lake				1	43	1													4
Silver Lake Beach/City Pk		2		28	50	5													11

* Not to Exceed State guideline of 300 E. coli per 100 ml per sampling event

** Not to Exceed State guideline of 130 E. coli per 100 ml as a 30 day geometric mean