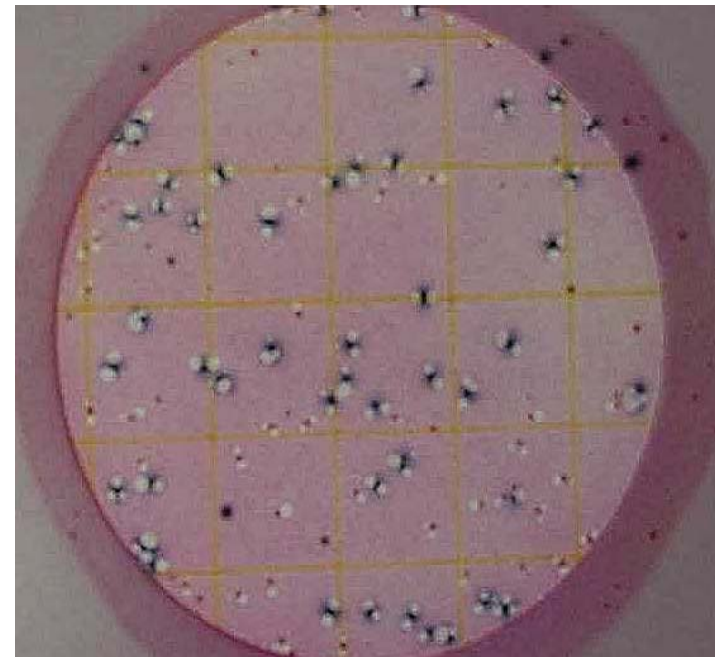


Application of Petrifilm™ for *Escherichia coli* Monitoring in Water

Janet Vail, Ph.D.
Grand Valley State University
Annis Water Resources Institute



Vail, J.H., Morgan, R., Merino, C.R., Gonzales, F., Miller, R. and J.L. Ram. Enumeration of Waterborne *Escherichia coli* with Petrifilm: Comparison to Standard Methods. J. Environ. Qual. 32:X-X (2003)



A concentrated animal feeding operation

Sierra Club members
collecting samples



Muskegon Lake

Beach Sands
Cafe Testing
Site

7/29/02 Beach Sands
Cafe E-Branch
M



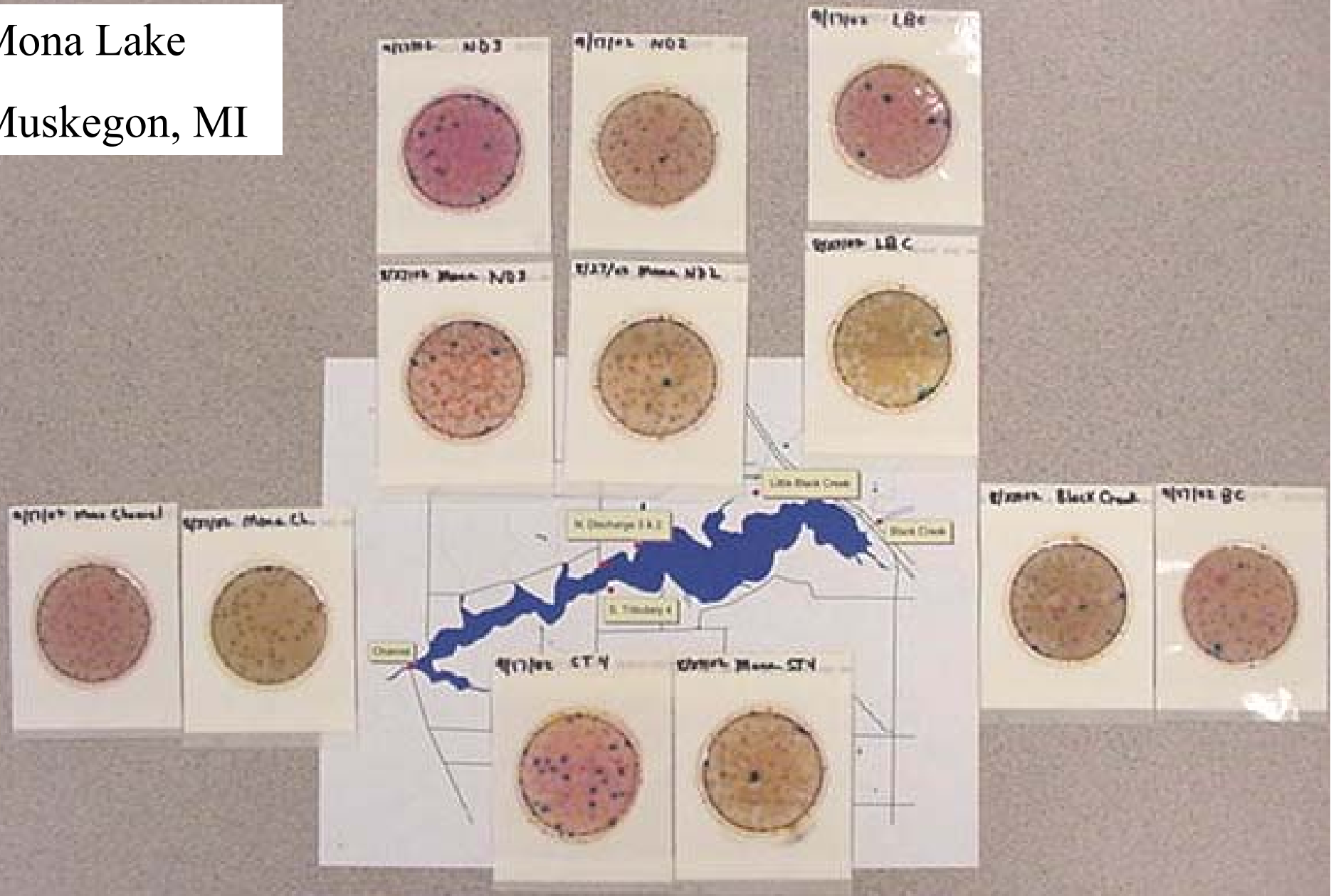
09/30/02 Beach Sands
Cafe



7/29/02 Beach Sands
Cafe

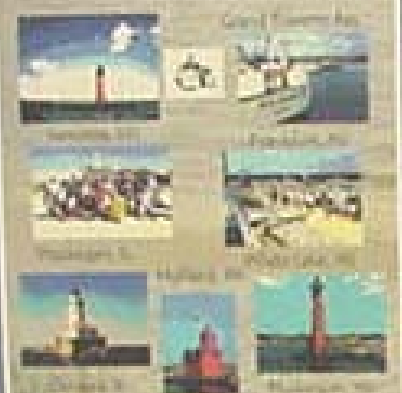


Mona Lake
Muskegon, MI



E. coli Bacteria Study Summer 2002

MAKING LAKE MICHIGAN GREENER 2002



Grand Haven, MI
Muskegon, MI
Mackinac Island, MI
EPA
Michigan Department of Environment, Great Lakes & Energy



10000 CFU/100ML

1000 CFU/100ML

100 CFU/100ML

10 CFU/100ML

1 CFU/100ML



Beach Closings



Standard 100 CFU/100ML
Standard 1000 CFU/100ML

- Standard 1000 CFU/100ML
- Standard 100 CFU/100ML
- Standard 10 CFU/100ML
- Standard 1 CFU/100ML


10000 CFU/100ML

1000 CFU/100ML

100 CFU/100ML

10 CFU/100ML

1 CFU/100ML



10000 CFU/100ML

1000 CFU/100ML

100 CFU/100ML

10 CFU/100ML

1 CFU/100ML



10000 CFU/100ML

1000 CFU/100ML

100 CFU/100ML

10 CFU/100ML

1 CFU/100ML



Making Lake Michigan Great '99

Sponsored by:

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and the National Great Lakes Water Resources Institute of Grand Valley State University



2000 Tour of the 100 Jackson Yards

April 25 - Milwaukee April 26-28 - Bad Axe, WI April 29 - White Lake, MI April 30 - Grand Haven, MI
 May 1-2 - Milwaukee May 3-5 - Grand Haven, MI May 6 - Grand Haven, MI May 7-10 - Milwaukee
 May 11-12 - Chicago May 13 - South Haven, MI May 14 - Milwaukee

November 2000 - Lake Michigan State of the Lake '99 - Milwaukee, Wisconsin
For more information contact: 616/771-2200 or www.gvsu.edu/lake



These samples were taken during the Milwaukee Lake Cleanup Fall 99 April 27, 2000



This site is a part of the National Great Lakes Water Resources Institute's Lake Michigan State of the Lake '99 project. This is a one-time sampling event and represents 100 locations per site. For more information, contact 616/771-2200 or www.gvsu.edu/lake