



# BOARD OF COMMISSIONERS

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586-469-5125 FAX 586-469-5993  
macombcountymi.gov/boardofcommissioners

## HEALTH AND ENVIRONMENTAL SERVICES COMMITTEE

THURSDAY, FEBRUARY 11, 2010

### AGENDA

1. Call to Order
2. Pledge of Allegiance
3. Adoption of Agenda
4. Approval of Minutes dated January 14, 2010 (previously distributed)
5. Public Participation
6. Report from Water Quality Board (mailed)
7. S.W.I.M. Team Report for December (mailed)
8. Authorize Health Department to Emphasize Specific Areas of Departmental Activity for 2010 (mailed)
9. Authorize Health Department to Apply for a Metro Health Foundation Grant for a Smoking Cessation Marketing Project (mailed)
10. New Business
11. Public Participation
12. Adjournment

**MEMBERS:** Camphous-Peterson-Chair, J. Flynn-Vice-Chair, Brown, Rocca, Rengert, Vosburg, Brdak, Torrice, Kepler and Gleleghorn (ex-officio)

## MACOMB COUNTY BOARD OF COMMISSIONERS

Andrey Duzij - District 1  
Marvin E. Sauger - District 2  
Phillip A. DiMana - District 3  
Toni Moxen - District 4  
Susan L. Doheny - District 5

Sue Rocca - District 7  
David Flynn - District 8  
Robert Mijac - District 9  
Ken Lampar - District 10  
Ed Szczepanski - District 11

James I. Carabelli - District 12  
Don Brown - District 13  
Brian Brdak - District 14  
Keith Rengert - District 15  
Carey Torrice - District 16

Paul Gielegem  
District 19  
Chairman

Ed Bruley - District 17  
Dana Camphous-Peterson - District 18  
Irene M. Kepler - District 21  
Frank Accavitti Jr. - District 22

Kathy Tocco  
District 20  
Vice Chair

Joan Flynn  
District 6  
Sergeant-At-Arms  
William A. Crouchman - District 23  
Michael A. Boyle - District 24  
Kathy D. Vosburg - District 25  
Jeffery S. Sprys - District 26

RESOLUTION NO. \_\_\_\_\_

MEETING DATE: \_\_\_\_\_

AGENDA ITEM:

MACOMB COUNTY, MICHIGAN

RESOLUTION TO: Receive and file a report of the Macomb County Water Quality Board

INTRODUCED BY: Commissioner Dana Camphous-Peterson, Chairperson  
Health & Environmental Services Committee

The Macomb County Water Quality Board met on January 12, 2010. The meeting's primary agenda was to recognize Mr. Tom Kalkofen, Director/Health Officer for his work on water quality. Comments were made on behalf of Federal representatives, by Mr. Ken DeBeaussaert for the Department of Environmental Quality, by Mr. Jim Ridgway, Mr. Gary White, Director and Mr. Steve Lichota, Associate Director both of the Environmental Health program, by the Water Quality Board and previous Board members.

Mr. John Hertel former Chair of the Board of Commissioners who appointed the Blue Ribbon Commission which resulted in the formation of the Water Quality Board and greatly expanded Health Department water quality work praised Mr. Kalkofen for his efforts and particularly for defining water quality as a public health issue. Mr. Paul Gielegheem current Chair also spoke of Tom's work and dedication to the citizens of Macomb County.

Health & Environmental Services – February 11, 2010

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# **RECYCLABLE PAPER**

RESOLUTION NO. \_\_\_\_\_

MEETING DATE: \_\_\_\_\_

AGENDA ITEM: \_\_\_\_\_

MACOMB COUNTY, MICHIGAN

RESOLUTION TO: Receive and file the Surface Water Improvement and Monitoring (SWIM) Team report for December 2009.

INTRODUCED BY: Commissioner Dana Camphous-Peterson, Chairperson, Health and Environmental Services Committee

The December 2009 Surface Water Improvement and Monitoring (SWIM) Team report summarizes surface water monitoring, bathing beach monitoring, investigatory and educational activities of the SWIM Team for the month of December 2009.

COMMITTEE/MEETING DATE

Health and Environmental Services – February 11, 2010

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**MACOMB COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES DIVISION  
SURFACE WATER IMPROVEMENT AND MONITORING "SWIM" TEAM  
MONTHLY REPORT FOR DECEMBER 2009**

**Mission:** Monitoring, educational, investigatory and enforcement activities toward achieving the goal of all Macomb County surface waters being in compliance with full body contact standards.

**Surface Water Monitoring:** 55 sampling locations were monitored this month for *E. coli* indicator bacteria. The monitoring for December indicates that 69% of the sampling locations show improvement over the historical December data. See the attached data summary.

**Bathing Beach Monitoring:** Monitoring for the 2009 bathing season has concluded. Monitoring for 2010 will begin in April.

**Beach Closures for the 2009 Bathing Season:**

	<u>Yearly Total</u>
New Baltimore Park	4
Metro Beach Metro Park	20
SCS Memorial Park	77
SCS Blossom Heath Park	124
Stony Creek Baypoint	49
Stony Creek Eastwood	5

**SWIM Team Investigations:**

	<u>December 2009</u>	<u>Year-To-Date</u>
Investigations Initiated	2	127
Cases Referred to Prosecutors Office	0	5
Investigations Resolved		105
Open Cases - 2009	22	
Open Cases from 2008	5	
Open Cases from 2007	3	
Open Cases from 2006	2	
Open Cases from 2005	2	
Open Cases from 2004	2	
Open Cases from 2003	3	

\*Investigations are initiated by citizen complaint, municipal referral or as an outcome of water quality monitoring results.

**Education and Public Information:**

Three (3) Water Quality and Household Waste Presentations were given to 90 students at the following location:

4 <sup>th</sup> Grade	Amanda Moore Elementary	Romeo
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**Facility Dye Testing Grants**

During 2009, 606 residential, industrial, institutional and commercial buildings were dye tested as part of the Phase II and III Dye Testing Grants. A total of 14 illicit connections were found through these investigations. Approximately 2.3% of the buildings tested have had some type of illicit connection.

**MACOMB COUNTY HEALTH DEPARTMENT  
 ENVIRONMENTAL HEALTH SERVICES DIVISION  
 SURFACE WATER IMPROVEMENT AND MONITORING "SWIM" TEAM  
 MONTHLY REPORT FOR DECEMBER 2009**

**SWIM TEAM INVESTIGATIONS**

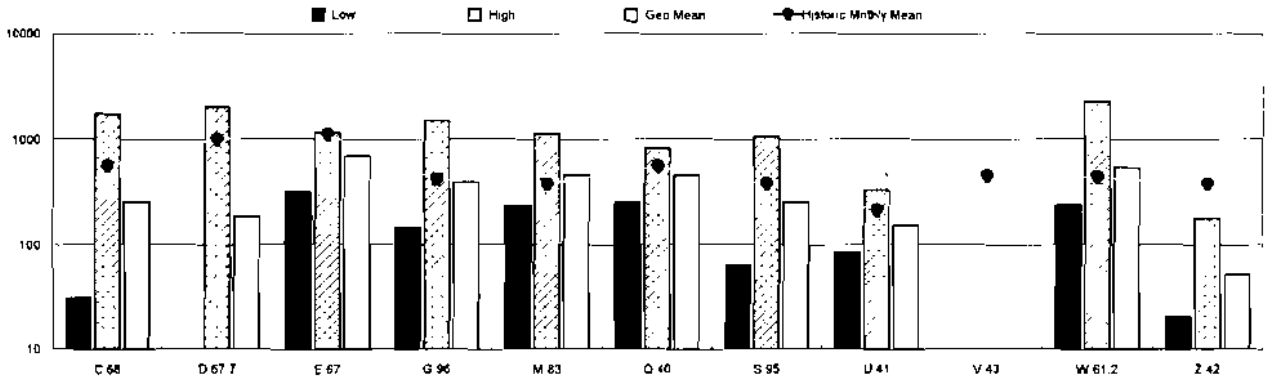
<u>Municipality</u>	<u>Dec-09 Investigations Initiated</u>	<u>Dec-09 Year To Date</u>
Armada TWP	0	2
Armada Village	0	0
Bruce	0	1
Center Line	0	0
Chesterfield	0	3
Clinton	0	28
Eastpointe	0	1
Fraser	0	2
Harrison	0	17
Lenox	0	4
Macomb	0	7
Memphis	0	0
Mt. Clemens	0	2
New Baltimore	0	1
New Haven	0	2
Ray	0	8
Richmond TWP	0	2
Richmond City	0	0
Romeo	0	0
Roseville	0	0
St. Clair Shores	0	7
Shelby	1	15
Sterling Heights	0	6
Utica	0	3
Warren	1	8
Washington	0	8
<b>Total #</b>	<b>2</b>	<b>127</b>

**Macomb County Health Department  
 Environmental Health Services Division  
 Retention Basin/Combined Sewer/Sanitary Sewer Overflows  
 For the dates : 12/1/2009 through 12/31/2009**

Start	Start Time	End	End Time	Hours	Receiving Water	Volume (Gallons)	Meets NPDES	Precip	Type
<b>CHAPATON RTB</b>									
12/25/2009	05:40 PM	12/25/2009	11:55 PM	6.25	Lake St. Clair	4,890,000	Y		CSO-T
<b>Sub Totals for Chapaton Rtb</b>				6.25		4,890,000			
<b>FRASER</b>									
12/25/2009	01:45 PM	12/25/2009	02:45 PM	1.00	Sweeney Drain	37,029	N		SSO
<b>Sub Totals for Fraser</b>				1.00		37,029			
<b>MARTIN RTB</b>									
12/25/2009	03:45 PM	12/26/2009	01:08 AM	8.38	Lake St. Clair	12,910,000	Y		CSO-T
<b>Sub Totals for Martin Rtb</b>				8.38		12,910,000			
<b>MILK RIVER RTB</b>									
12/25/2009	08:13 PM	12/25/2009	09:56 PM	1.72	Lake St. Clair	9,364,170	Y		CSO-T
<b>Sub Totals for Milk River Rtb</b>				1.72		9,364,170			
<b>SOCSDS RTB</b>									
12/25/2009	01:42 PM	12/25/2009	09:49 PM	5.15	Red Run Drain	18,300,000	N		CSO-T
<b>Sub Totals for Socds Rtb</b>				5.15		18,300,000			
<b>Total all locations</b>				<b>22.50</b>		<b>45,501,199</b>			

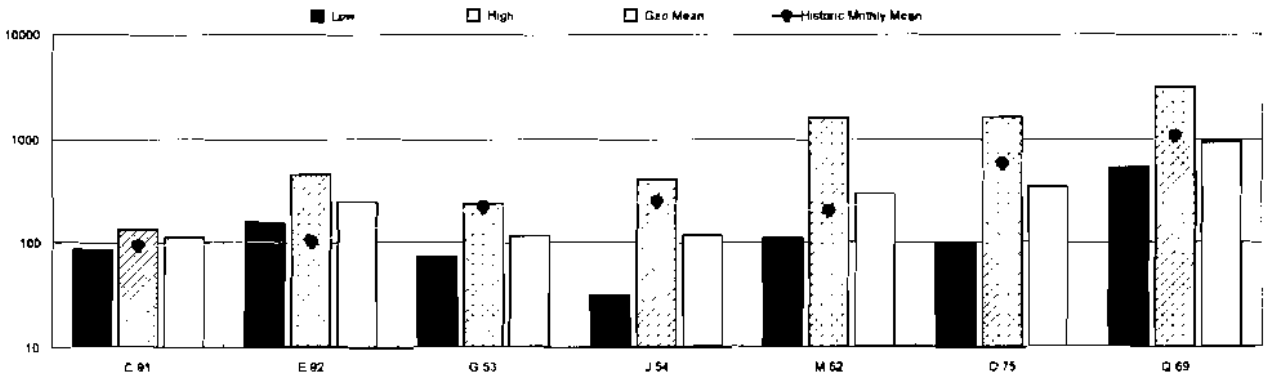
**Macomb County Health Department  
Environmental Health Services Division  
Monthly Watershed E. coli Results  
12/01/2009 - 12/31/2009**

**Clinton River Main Branch Watershed - East**



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
68	31	1725	250	555
67.7	10	1989	188	994
67	314	1160	692	1123
96	145	1497	392	421
83	233	1139	462	375
40	256	820	456	564
95	63	1067	259	382
41	84	392	152	214
43	10	10	10	455
61.2	238	2310	540	435
42	20	181	52	376

**Clinton River Main Branch Watershed - West**

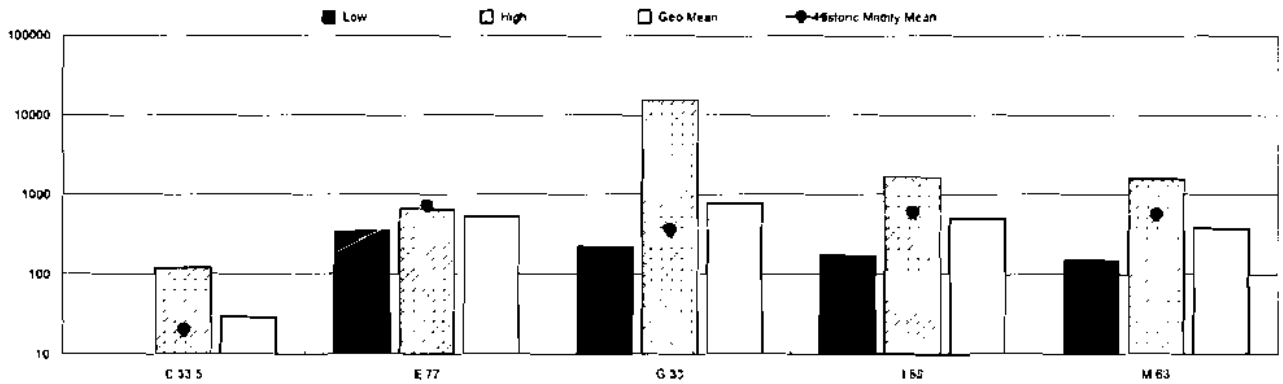


Sample Site	Low	High	Geo Mean	Historic Monthly Mean
91	86	135	112	84
92	156	459	251	103
53	73	240	117	223
54	31	414	119	247
62	110	1624	301	199
75	98	1638	356	581
69	537	3169	855	1058



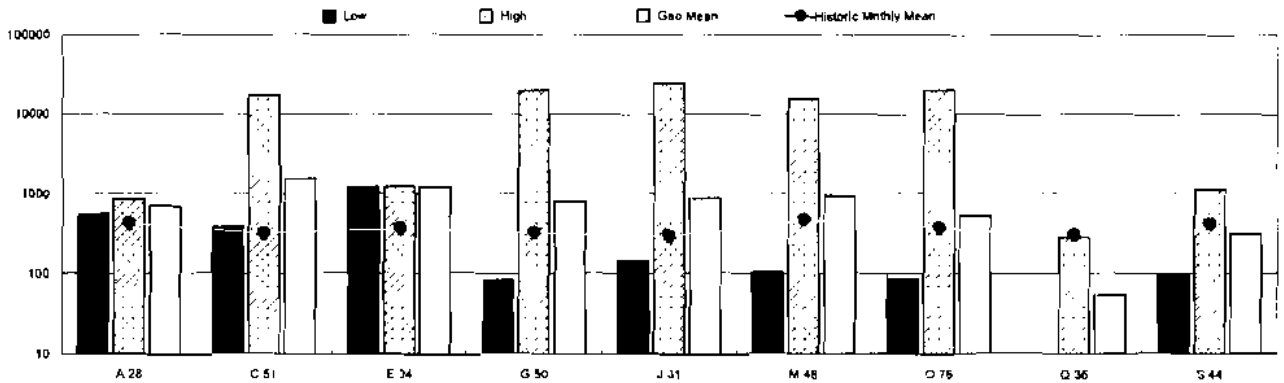
**Macomb County Health Department  
Environmental Health Services Division  
Monthly Watershed E. coli Results  
12/01/2009 - 12/31/2009**

**Clinton River Middle Branch Watershed**



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
33.5	10	119	29	20
77	345	650	521	714
33	218	15531	776	353
60	169	1664	496	586
63	148	1551	378	561

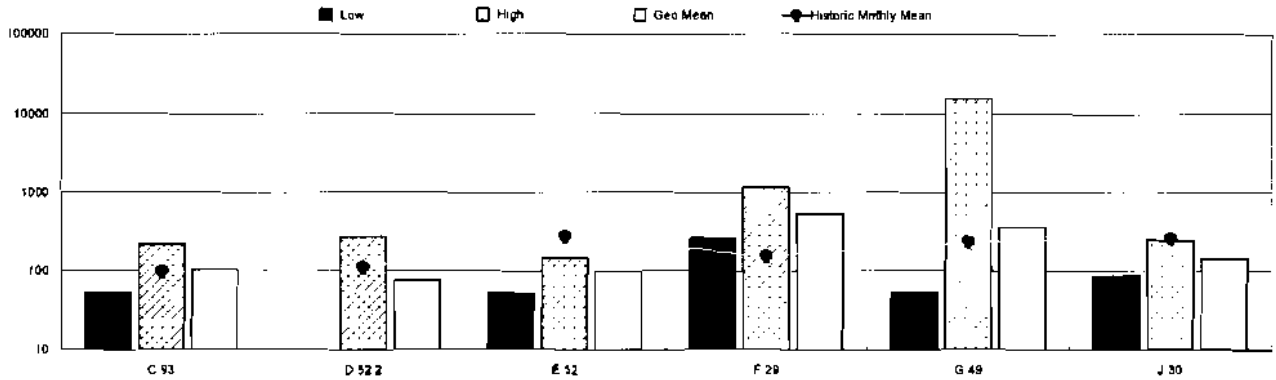
**Clinton River North Branch Watershed - East**



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
28	558	860	691	422
51	388	17329	1556	319
34	1222	1222	1222	364
50	84	19863	807	320
31	145	24196	884	289
46	105	15531	933	467
76	85	19863	534	364
36	10	282	53	300
44	94	1137	318	414

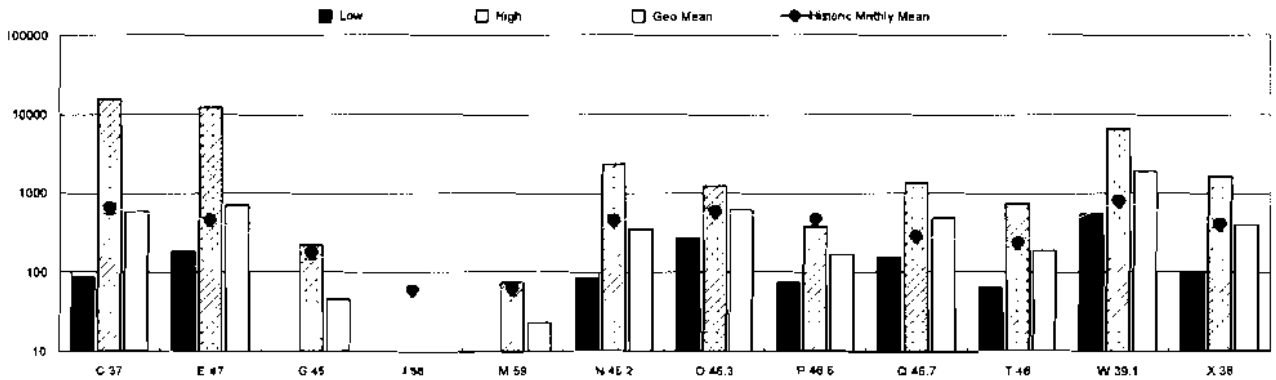
**Macomb County Health Department  
Environmental Health Services Division  
Monthly Watershed E. coli Results  
12/01/2009 - 12/31/2009**

**Clinton River North Branch Watershed - West**



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
93	52	214	102	97
52.2	10	269	75	109
52	52	148	99	274
29	259	1178	522	155
49	52	15531	372	234
30	85	249	145	262

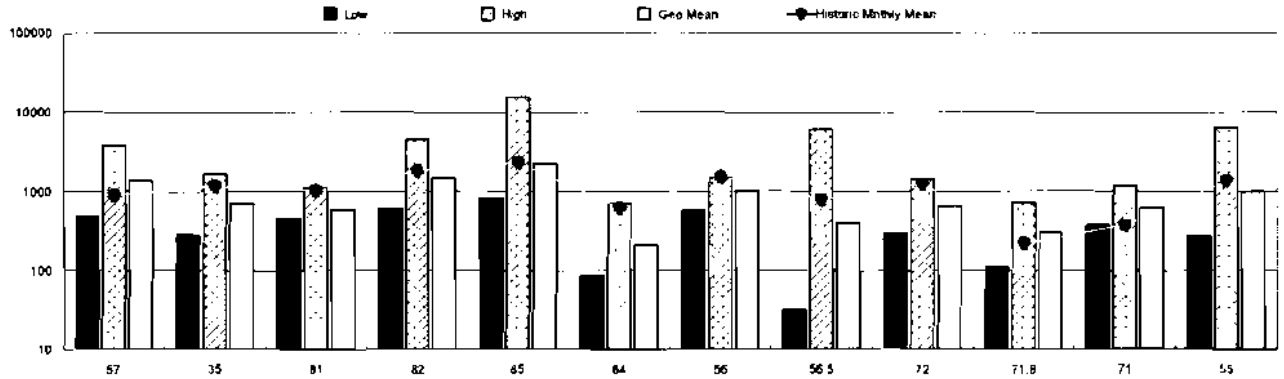
**Other: Salt River, Milk River, Crapeau Creek**



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
37	86	15531	586	649
47	183	12033	703	454
45	10	216	46	170
56	10	10	10	58
59	10	73	23	60
46.2	85	2351	349	457
46.3	285	1222	616	573
46.6	74	379	168	466
46.7	153	1336	480	280
46	83	748	188	236
39.1	543	6488	1901	791
38	97	1674	403	402

**Macomb County Health Department  
Environmental Health Services Division  
Monthly Watershed E. coli Results  
12/01/2009 - 12/31/2009**

**Red Run Drain/Bear Creek Watershed**



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
57	481	3784	1376	891
35	276	1674	702	1172
81	448	1130	590	1030
82	601	4569	1449	1796
85	823	15531	2270	2332
84	86	703	208	618
56	571	1467	1006	1530
58.5	31	6131	405	798
72	298	1439	655	1238
71.8	110	714	302	222
71	376	1211	625	376
55	275	6488	991	1358

**5 HIGHEST *E. COLI* SURFACE WATER SAMPLING SITES  
(December, 2009)**

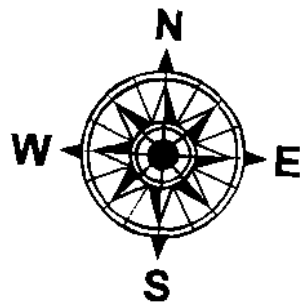
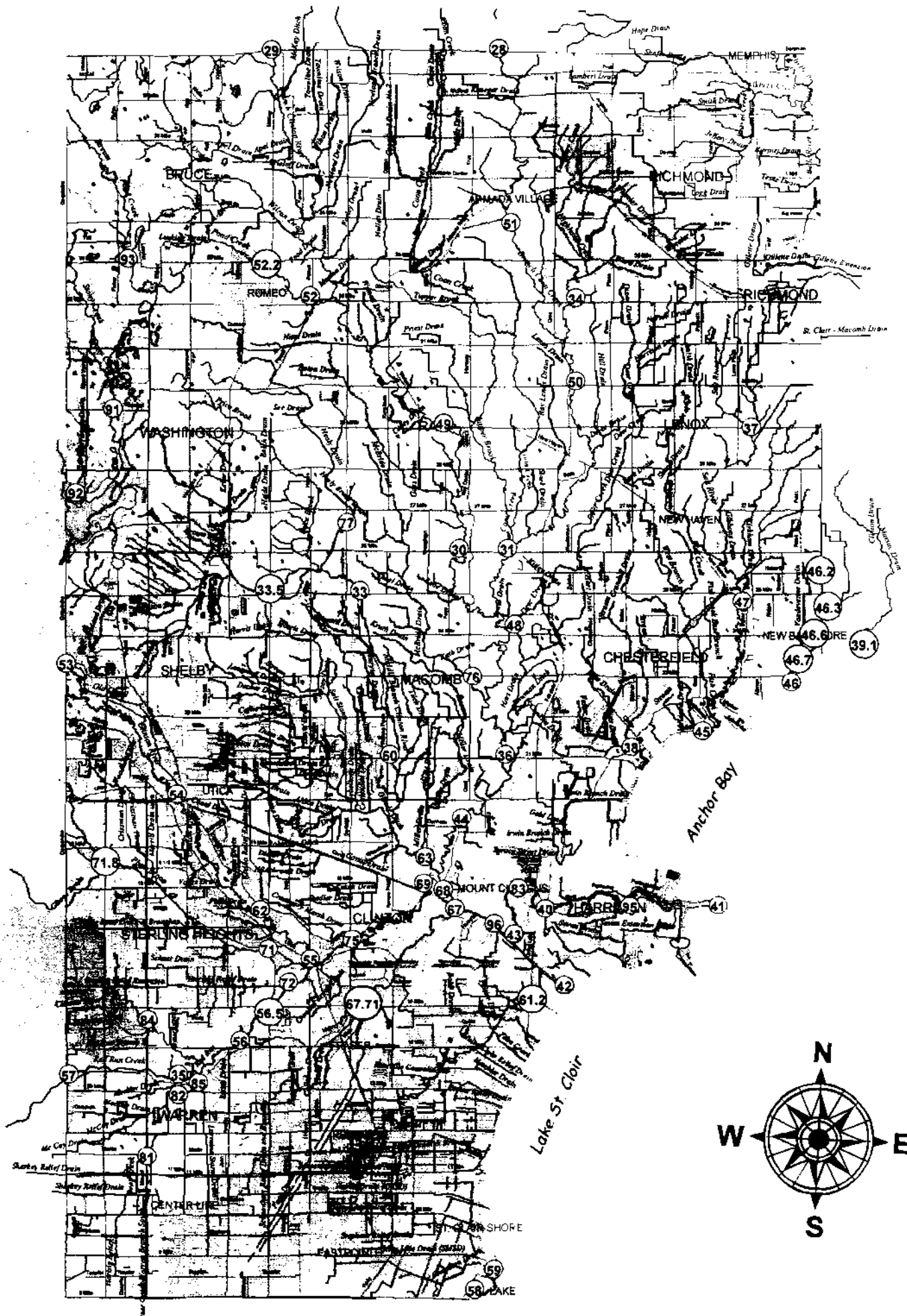
	<b>Sample #</b>	<b>Location</b>	<b><i>E. coli</i>/100 mL (Geo Mean)</b>
1	85	Lorraine Drain at Bear Creek	2,270
2	39.1	Marsac Drain at M-29	1,901
3	51	East Branch Coon Creek at North Avenue	1,556
4	82	Bear Creek at Old 13 Mile Road	1,449
5	57	Red Run at Dequindre	1,376

**MACOMB COUNTY HEALTH DEPARTMENT  
 ENVIRONMENTAL HEALTH SERVICES DIVISION  
 SURFACE WATER IMPROVEMENT AND MONITORING "SWIM" TEAM  
 SURFACE WATER SAMPLING SITES**

<b>Sample #</b>	<b>Location</b>
<b>Clinton River Main Branch Watershed - EAST</b>	
68	Clinton River at Moravian Road Bndge
67.71	Sweeney Drain at 15 Mile Road
67	Harrington Drain at Harrington Road
96	Clinton River Spillway at Shadyside Park Bridge
83	Clinton River at Mt. Clemens YMCA Dock
40	Clinton River at I-94
95	Clinton River at Albatross Docks
41	Clinton River at DNR Site
43	Clinton River Spillway at the Weir
61.2	Clinton-Harrison Relief Drain at Shook Road
42	Clinton River Spillway at Jefferson Avenue
<b>Clinton River Main Branch Watershed - WEST</b>	
91	Stony Creek at Inwood Road
92	Stony Creek West Branch at Stony Creek Road
53	Clinton River at Dequindre Road
54	Clinton River at Auburn Road
62	Clinton River at Kleino Road
75	Clinton River at Garfield Road
69	Canal Drain at Clinton River Road
<b>Clinton River Middle Branch Watershed</b>	
33.5	Middle Branch Clinton River at Schoenherr Road
77	Healy Brook Drain at Romeo Plank Road
33	Middle Branch Clinton River at 25 Mile Road
60	Middle Branch Clinton River at 21 Mile Road
63	Middle Branch Clinton River at Heydenreich Road
<b>Clinton River North Branch Watershed - EAST</b>	
51	East Branch Coon Creek at North Avenue
34	Highbank Drain at 32 Mile Road
50	East Branch Coon Creek at 30 Mile Road
31	East Branch Coon Creek at 26 Mile Road
48	Deer Creek at North Avenue
76	McBride Drain at Card Road
36	North Branch Clinton River at 21 Mile Road
44	North Branch Clinton River at Little Street
28	East Branch Coon Creek at Boardman Road
<b>Clinton River North Branch Watershed - WEST</b>	
93	East Pond Creek at 33 Mile Road
52.2	East Pond Creek at M-53
52	East Pond Creek at Powell Street
29	North Branch Clinton River at Boardman Road
49	North Branch Clinton River at 29 Mile Road
30	North Branch Clinton River at 26 Mile Road

**MACOMB COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES DIVISION  
SURFACE WATER IMPROVEMENT AND MONITORING "SWIM" TEAM  
SURFACE WATER SAMPLING SITES**

<b>Sample #</b>	<b>Location</b>
<b>Other: Salt River, Milk River, Crapeau Creek</b>	
<b>37</b>	Salt River at 29 Mile Road
<b>47</b>	Salt River at Washington Street
<b>45</b>	Salt River at Jefferson Avenue
<b>58</b>	Milk River at Alger Street
<b>59</b>	Milk River at Clairwood Street
<b>46.2</b>	County Line Road Drainage Ditch at Hobarth Road
<b>46.3</b>	Crapeau Creek at County Line Road
<b>46.6</b>	Vanderbenne Drain at Fox Point Street
<b>46.7</b>	Crapeau Creek at Ashley Street
<b>46</b>	Crapeau Creek at Main Street
<b>39.1</b>	Marsac Drain at M-29
<b>38</b>	River Voss at Jefferson Avenue
<b>Red Run Drain/Bear Creek Watershed</b>	
<b>57</b>	Red Run Drain at Dequindre Road
<b>35</b>	Red Run Drain at Van Dyke Avenue
<b>81</b>	Bear Creek at Mound Road
<b>82</b>	Bear Creek at Old 13 Mile Road
<b>85</b>	Lorraine Drain at Bear Creek
<b>84</b>	Beaver Creek at Mound Road
<b>56</b>	Red Run Drain at 14 Mile Road
<b>56.5</b>	Schoenherr Relief Drain at Red Run Drain
<b>72</b>	Sterling Relief Drain behind Freedom Hill Park
<b>71.8</b>	Plumbrook Drain at Ryan Road
<b>71</b>	Plumbrook Drain at Schoenherr Road
<b>55</b>	Red Run Drain at Utica Road



# **RECYCLABLE PAPER**



RESOLUTION NO. \_\_\_\_\_

MEETING DATE: \_\_\_\_\_

AGENDA ITEM: \_\_\_\_\_

MACOMB COUNTY, MICHIGAN

RESOLUTION TO: Authorize the Health Department to Emphasize Specific Areas of Departmental Activity for 2010

INTRODUCED BY: Commissioner Dana Camphous-Peterson, Chairperson, Health & Environmental Services Committee

ADMINISTRATION

- Continue to evaluate the Department's ability to meet statutory requirements and essential public health needs in a time of budgetary contraction.
- Continue to improve the Department's readiness for bioterrorism, pandemic influenza and other emergencies.
- Continue improvements in the Department's website and use of social media to increase public accessibility and value.
- Maintain State Accreditation / Quality Assurance processes including internal/external customer satisfaction surveys.

ANIMAL SHELTER

- Continue ongoing efforts to work with rescue league organizations and the Michigan Pet Fund to re-position the County's role in Animal Control.

ENVIRONMENTAL HEALTH SERVICES

- Working independently and with identified partners, apply for water quality improvement funds under the Federal Great Lakes Restoration Initiative (GLRI). Manage funded projects effectively and efficiently.
- Continue improvements in readiness to meet logistical component of Departmental Emergency Preparedness efforts, including staff training and participation in readiness exercises.
- Coordinate new State of Michigan Body Art licensing requirements and the local Macomb County regulation to minimize duplication of effort and increase clarity for facility operators.
- Continue to seek support for the Huron to Erie Corridor Drinking Water Monitoring Network.

- Assist the County's food service establishments to implement the State's new smoke-free legislation.
- Continue efforts to remove pharmaceuticals and personal care products from waste streams leading to the County's surface waters.

### FAMILY HEALTH SERVICES

- Assist eligible Macomb County residents who are pregnant or have children with enrollment in Healthy Kids, MIChild and Healthy Kids for Pregnant Women.
- Continue to provide phone services to at-risk families which link them to community resources and help them to better understand the process of applying for services such as emergency food, utility assistance, low cost health clinic, rent assistance and food stamps.
- Participate in the Early Head Start grant by providing weekly, in-home visits to 10-12 low-income, high-risk families.
- Provide services and coordinate at risk infants for the Early On program and refer these children to MCHD services and community resources.
- Continue participation in the National Children's Study being carried out by the Michigan Alliance for the National Children's Study (MANCS), in conjunction with the University of Michigan, Michigan State University, Wayne State University, the Henry Ford Health Center and the Michigan Department of Community Health to determine how the environment affects the health and development of children in Macomb County.
- Offer grief counseling services to all families who have experienced a sudden/unexpected infant Death.
- Decrease the number of WIC clients on the waiting list; eliminate all low risk 3 year olds from the waiting list.
- Enhance the Macomb County WIC web site to incorporate WIC eligibility criteria.
- Market computer-based, interactive forms of nutrition education such as WIC e-mail and the WIC on-line Health Certification which could reduce the number of clinic visits per client.
- In compliance with Healthy People 2010, the Children's Special Health Care Services program will increase the proportion of children with special health care needs referrals to a medical home.
- Develop and maintain procedures to transition Vaccines for Children (VFC) providers to the State's Centralized Ordering and Distribution Process as mandated by CDC
- Maintain and improve quality assurance processes to assist private providers to meet the requirements of the State's VFC Program.

- Continue to evaluate, assess and improve the County's immunization 'pocket of needs': children lacking 4th DTAP, children attending WIC clinics with immunizations not up to date, and the county's adolescent population.
- Develop procedures to ensure a more efficient utilization of immunization staff time in assessing and administering immunizations.
- Increase / maintain immunization percentages as required for MDCH Accreditation.
- Continue the Dental Program's work with internal and external partners (e.g., Head Start) to provide services for clients.
- The Macomb Fetal/Infant Mortality Program will continue to abstract data, identify factors that may have contributed to fetal and infant death, and share information and recommendations with community partners and the Macomb Child Death Review Team.
- The Family Planning Program will increase access to care for pelvic exams, Pap smears and contraception by assisting women 19-44 years of age to obtain Plan First! coverage by educating them about the program, assessing their eligibility and assisting them with the application process.
- The Family Planning Program will increase efforts to reduce unintended teen pregnancies through the use of social media.
- The Maternal Child Health Program will continue efforts to improve the Lead Testing Program.
- The Maternal Child Health Program will provide case coordination and referral services under a revenue-generating agreement with the Macomb Intermediate School District (MISD) Early On Program.

#### HEALTH PROMOTION/DISEASE CONTROL SERVICES

- Develop and implement an on-line reporting system for the weekly reporting of communicable diseases from schools and childcare centers.
- Enhance the monitoring of processes to ensure fewer delinquencies in school and childcare immunization coverage reporting.
- Enhance the speedy and efficient evaluation of Class B immigrants referred to TB control by INS and MDCH.
- Develop and implement an internal protocol for monitoring clients treated for Sexually Transmitted Infections as a direct result of Partner Notification.
- Expand and improve coverage of the Breast and Cervical Cancer Screening Program ensure for eligible persons meeting eligibility criteria.
- Expand coverage of the Cardiovascular Disease Risk Reduction Program's (CVDRR) health educational and promotional programs in County schools.

- Extend tobacco control services to address implementation of Michigan's Smoke-Free legislation (effective 1 May 2010), and to reduce exposure to new tobacco products such as hookah and e-cigarettes.
- Develop processes and procedures to ensure monitoring of Partner Counseling and Referral Services within the HIV Program.
- Provide increased certified Car Seat Safety checks and Fact Sheets to participants at events in order to promote child passenger safety and in keeping with Michigan's new Booster Seat Law.

#### MEDICAL EXAMINER'S OFFICE

- Explore linkages between the Medical Examiner's Office and the Gift of Life organ procurement agency; for instance, by referring non-hospital deaths for possible tissue procurement.
- Continue working with the Macomb County Sheriff and Macomb County Health Department Environmental Health staff to ensure disposal of prescription medications in a safe, secure and environmentally friendly manner.

Health & Environmental Services - February 11, 2010

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# **RECYCLABLE PAPER**

RESOLUTION NO. \_\_\_\_\_

MEETING DATE: \_\_\_\_\_

AGENDA ITEM: \_\_\_\_\_

MACOMB COUNTY, MICHIGAN

RESOLUTION TO: Authorize the Health Department to apply for a Metro Health Foundation grant in the amount of \$14,730 for a smoking cessation marketing project.

INTRODUCED BY: Commissioner Dana Camphous-Peterson, Chairperson, Health and Environmental Services Committee

The Macomb County Health Department requests authorization to apply for a grant in the amount of \$14,730 from the Metro Health Foundation for a smoking cessation marketing project. This will cover two facets: indoor advertising and coffee sleeve advertising aimed at encouraging Macomb County residents who smoke to quit.

The National document, Healthy People 2010, has an objective to reduce cigarette smoking rates of adults to 12%. According to the Macomb County Health Department's 2009 Behavioral Risk Factor Survey (BRFS), smoking rates among adults in Macomb County are at 20.6%. Although smoking rates have been at a steady decline over the past decade, Macomb County still remains far from the Healthy People 2010 goal of a 12% smoking rate.

This is a short-term project and will end at the conclusion of the Metro Health Foundation grant period. Metro Health Foundation is the primary proposed funding source for this project. Nominal funds will be provided by Macomb County Health Department for the Coalition's annual website domain names and site maintenance fees.

There is no match required for the grant. The application does not involve increase in staff.

COMMITTEE/MEETING DATE

Health and Environmental Services – February 11, 2010

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