



BOARD OF COMMISSIONERS

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

HEALTH AND ENVIRONMENTAL SERVICES COMMITTEE

THURSDAY, SEPTEMBER 16, 2010

AGENDA

1. Call to Order
2. Pledge of Allegiance
3. Adoption of Agenda
4. Approval of Minutes dated August 12, 2010 (previously distributed)
5. Public Participation (five minutes maximum per speaker, or longer at the discretion of the Chairperson related only to issues contained on the agenda)
6. Continue Agreement with Macomb County Child Advocacy Center (Care House) (mailed)
7. Prosecutor's Environmental Unit Report for July-August (mailed)
8. Report from Water Quality Board (mailed)
9. S.W.I.M. Team Report for July (mailed)
10. Authorize Health Department's Participation in Belle River Watershed Advisory Group (mailed)
11. New Business
12. Public Participation (five minutes maximum per speaker or longer at the discretion of the Chairperson)
13. Adjournment

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

MACOMB COUNTY BOARD OF COMMISSIONERS

Andrey Duzj - District 1
Marvin E. Sauger - District 2
Phillip A. DiMaria - District 3
Toni Mocerri - District 4
Susan L. Doherty - District 5

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

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

Paul Gielegem
District 19
Chairman

Kathy Tocco
District 20
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District 6
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Dana Camphous-Peterson - District 18
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Frank Accavitti Jr. - District 22

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: Continue Agreement in the amount of \$25,000 with the Macomb County Child Advocacy Center ("Care House") and refer to the Budget Committee

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

A representative from Care House will be available to make a brief presentation on the contractual services they have provided to Macomb County over the past year related to the investigation, prosecution, and treatment of child physical and/or sexual abuse.

Health & Environmental Services — September 16, 2010

RECYCLABLE PAPER

RESOLUTION NO. _____

FULL BOARD MEETING DATE: 09/23/10

AGENDA ITEM: _____

MACOMB COUNTY, MICHIGAN

RESOLUTION TO receive and file the Status Report on the Prosecutor's Environmental Unit for July-August 2010, as submitted by Luanne Laemmerman

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

COMMITTEE/MEETING DATE
Health and Env Services 09/16/10

PROSECUTOR'S ENVIRONMENTAL UNIT REPORT

Submitted by Luanne Laemmerman

July-August 2010

CIVIL CASES (in process):

See table attached.

CRIMINAL CASES (in process):

People v Liston – Marine Division referral. Water Pollution Violation, Violation of County Health Regulations and Watercraft Pollution violations. Warrant authorized 9/20/08. New Jury Trial date 11/4/09. Def failed to appear for Jury Trial. Bench Warrant and bond revoked. No travel outside Michigan. **Bench Trial; 10:00 am October 14, 2010.**

People v Anton – MDEQ-Office of Criminal Investigation (OCI) referral. Two Counts Wetlands violation. Warrant Authorized 10/7/09. Pretrial on 11/12/09. Adjourned for discovery to 12/8/09. Adj for new attorney; final PT 1/19/10, 41A1; Hearing on Def's Motion to Dismiss 3/30/10; Def Motion Denied. Final PT 4/26/10. PT Adjourned to 6/14/10 for plea negotiations. **Jury Trial on 10/20/10.**

People v Joseph Israel – MDEQ-Office of Criminal Investigation (OCI) referral. One Count Wetlands violations. Warrant Authorized 11/13/09. 42-1, Pretrial 1/19/10; PT adjourned to 3/16/10. Def plead guilty to wetlands violation; \$1250 fine to state within 6 months. **Not paid as of 9/8/10 – letter to Attorney regarding payment or People will show cause.**

People v Mauro – MDNRE-OCI referral. One Count Wetlands Permit Violation. Warrant Authorized 6/18/10; 7/29/10 PT – **Adjourned for discovery and plea negotiations; PT 9/16/10.**

People v Iselli – DNR Referral. Watercraft Pollution – Littering. Warrant Authorized. **Awaiting PT date.**

People v David – DNR Referral. Wildlife Conservation Violation. 42-2; PT 7/29/10 – **Adjourned and set for Bench Trial. BT 9/20/10 at 1:30 pm.**

People v Guzman – DNR Referral. Possession Marijuana. **Awaiting PT date.**

People v Genovese – DNR Referral. Illegal deer possession. PT 6/22/10 – adjourned. PT 8/24/10 – **adjourned for Defn to file motion.**

People v El-Bathy – DNRE_OCI Referral. One Count U&P; 3 Cts False Pretenses; 3 Cts NSF; and 5 Cts UST Reg Violations. Warrant Authorized 8/10; 40th District Ct PreExam 9/17/10.

People v Randolph – US Coast Guard Referral. One Count Unlawful Use of Law Enforcement Badge. **Awaiting PT date, 41A1.**

People v Ferguson – DNR Referral. Illegal Charter Boat. Awaiting PT.

MEETINGS ATTENDED ON BEHALF OF COUNTY:

- 7/13/10 – Water Quality Board Meeting
- 7/15/10 – Lake St. Clair Direct Drainage Subwatershed Advisory Group Meeting
- 7/22/10 – Environmental Crimes Task Force Meeting
- 7/28/10 – Lake St. Clair Day Presentation
- 8/9/10 – Healing Our Waters/Sierra Club Press Conference
- 8/10/10 – MDNRE Compliance Meeting
- 8/10/10 – Red Run/Clinton River East Watershed Advisory Group Meeting
- 8/30/10 – AYBA Environmental Crimes Awareness Presentation

Monthly Narrative: Increased coverage at District Court/general criminal and probate docket. Authorized several warrants for new criminal cases. Continued coverage of DNR cases. Prepared for upcoming criminal case court dates. Updated open SWIM case status. Attended several meetings on behalf of County (see above).

Future Plan: Continue enforcement of outstanding SWIM team cases and criminal cases in process. Prepare for and promote upcoming Environmental Awareness Training for Local Law Enforcement in Macomb County, September 14, 2010. Plan environmental crimes training for Sheriff's Department personnel.

Macomb County Health Dept/EHS Open Cases

09/08/10

Date Referred to Prosecutor	Civil Division/ Street	Violation	Referral Source	Issue/Status
3/28/05	Clinton Twp/ Cass Avenue	Section 3.1 & 3.4 Sewage Code	MCHD SWIM Team	Sanitary waste plumbed to storm drain discovered 1/03 through dye test. Complaint filed 12/05. Order of Consent Judgment issued 12/19/05. No compliance with Order. Letter to owner on 10/30/07 to pursue proper connection in order to avoid enforcement of Consent Order. Second letter to owner on 11/26 to contact Clinton Twp Water & Sewer Dept by 12/7 to avoid enforcement. Owner contacted Clinton Twp as directed. MCPO contacted by owner's attorney. Owner and/or attorney unresponsive. Owner working with MCPO and Clinton Twp personnel regarding sewer connection. No progress by owner after several months – letter to owner on 4/3/09 to decide remedy by 4/17/09 or MCPO will start legal action. Owner to pursue Special Assessment District with connection to sanitary sewer within 7 months; easements and SAD paperwork completed. Email to Owner to obtain petition signatures 10/26/09. Petition completed and returned to Twp; Twp waiting on permits and finishing up the contract documents; Bids pending.
12/28/05	Fraser/ 14 Mile Rd	Section 3.1 & 3.4 Sewage Code	MCHD SWIM Team	Failing septic system. Complaint filed 9/1/06. Order to show cause 9/25/06 – no show. Bench warrant 9/06. Case dismissed by A. Jacklyn 6/13/07 - defendant allegedly complied with sewer connection/started work. MCHD confirmed that connection not made as of 10/24/07. House sold on 12/19/06 - no POS conducted because purchased through foreclosure. 30-day letter sent to new owner on 12/26/07; no compliance, formal citation sent by MCHD on 3/5/08. Enforcement letter sent 4/25/08, correction by 6/15/08; owner currently getting repair estimates; owner trying to get permission to tie into neighboring sanitary lines. MCPO in contact with City of Fraser for options. 6/26/09 – letter sent to owner from MCPO – correct violation by 8/15/09. Permit acquired 7/17/09. Owner failed to comply with repair date – MCPO to escalate enforcement again.
2/15/06	Clinton Twp/ Elmway Rd	Section 3.1 & 3.4 Sewage Code	MCHD SWIM Team	Illicit connection. Property transferred to new owner who paid sewer tap and frontage fees. Enforcement letters sent to property owner. Connection to sanitary sewer allegedly begun as of 7/2/07 according to A. Jacklyn. Certificate of occupancy to be withheld until home is connected to sanitary sewer. No action until owner applies for Cert. of Occupancy from Building Dept. 6/1/09–Posted by MCHD - no unauthorized occupation of premises; Trot & Trot informed of posting 8/12/09.
8/14/07	Orno Road/Lenox	Section 3.1 & 3.4 Sewage Code	MCHD SWIM Team	Failing septic; wastewater is discharging to the roadside ditch. Owner has not responded to letters regarding alternate septic installation locations. Enforcement letter sent 8/23/07. MCHD confirmed that home owned by the bank; no active discharge; MCHD sent notification letter to bank of standing violation on 12/21/07. MCPO investigating procedures to notify buyers of standing violation. No action until house is transferred to new owner. House purchased by new owner; correction of violation pending; House posted by MCHD as no unauthorized occupation; permit renewed; 8/4/09 Twp notified of posting; Trot & Trot informed of posting 8/12/09.
1/2/09	Winkler/ Harrison Twp	Section 3.1,3.3 & 3.4 Sewage Code	MCHD SWIM Team	9/08 – complaint and investigation revealed discharge of sewage to ground. 9/22/08 – 30-day letter from MCHD. 10/30/08 – Citation issued by MCHD for failure to comply. 11/08-12/08 – owner applied and was issued a permit, but failed to repair. MCPO to issue 10-day letter to pursue correction. Enforcement letter sent; owner in contact with MCHD regarding correction. Owner obtained permit 3/09; installation to commence when weather permits; Second enforcement letter sent for failure to repair 8-12-09. Owner request for extension of compliance date denied; 1/4/10 - Letter to owner to meet with MCHD and MCPO. 1/22/10 – Mtg with owner/agreement to work with MCHD on correction. 4/2/10 MCHD evaluated system. 4/12/10 Reminder letter to owner–agreement to fix by 6/30/10. Additional time requested by owner – no current discharge of sewage. Owner failed to correct by 6/30/10; MCPO to escalate enforcement; No active discharge.

Macomb County Health Dept/EHS Open Cases

09/08/10

Date Referred to Prosecutor	Civil Division/ Street	Violation	Referral Source	Issue/Status
3/25/09	Toepfer/ Warren	Section 3.1 Sewage Code	MCHD SWIM Team	12/08 – complaint received; raw sewage and toilet paper on ground; 10-day violation letter sent 1/2/09; Citation sent 2/9/09; water shut off by City of Warren; Warren Bldg Dept to post; site visit on 3/23/09 indicated house occupied with no posting; house for sale as of 4/10/09; house vacant since 4/1/09; Realtor contacted regarding violation. No action until house is transferred to new owner. 6/12/09 – Posted by MCHD as no unauthorized occupation of premises. City of Warren notified of posting by MCHD 8/4/09; Trot & Trot informed of violation 8/12/09. Corrected and verified 8/20/10. Case Closed.
4/8/09	Lockwood/ Washington Twp	Section 3.1, 3.4 & 5.1 Sewage Code	MCHD SWIM Team	11/20/08 – complaint of failing septic; 12/1/08 site visit confirmed; 1/7/09 30-day violation letter sent – no response; 2/26/09 Citation sent – no response; 4/14/09 TCW owner; owner to apply for permit by 4/17/09. Permit obtained by owner. Installation to commence when weather permits. Owner has not complied with Citation. Letter to owner on 10/26/09 regarding escalated enforcement. 1/4/10 – followup letter to owner to meet with MCHD and MCPO. 1/27/10 – Mtg with owner/agreement to correct by 6/30/10. 3/17/10 – reminder letter sent to owner. 5/14/10 – contractor hired and waiting for weather conditions to improve. System installed 7/1/10; awaiting verification from MCHD.
1/27/10	Various/ Warren	Section 3.1 Sewage Code	MCHD SWIM Team	2005-2007 IDEP investigation revealed numerous illicit connections; City of Warren approved budget for corrections 3/9/10. City in the process of selling bonds; corrections to follow. No progress to date. Meeting with MCPO, MCHD and City of Warren planned for 8/18/10. City requested new meeting date – to be determined.
3/29/10	Jean Ann/ Washington Twp	Section 3.1, 3.4 & 5.1 Sewage Code	MCHD SWIM Team	6/09-Complaint and verification of failing septic at rental property; 6/22/09 30-day violation letter sent; 8/3/09 – Citation sent; 1/22/10 – new 30-day letter sent to new address; 2/2/10 owner stated renters would be out by end Feb 2010; 3/16/10 – house still occupied. Compliance letter sent to owner 4/21/10. Follow up letter regarding issuance of Warrant sent 5/3/10. Owner purchased repair permit 5/14/10. Owner failed to correct violation; MCPO to escalate enforcement; MCHD to evaluate condemnation proceedings.
7/12/10	Scotch Settlement/ Bruce Twp	Section 3.1, 3.4 & 5.1 Sewage Code	MCHD SWIM Team	4/4/06 – Property transfer evaluation ordered to owners; 1/31/07- Complaint; 6/16/09 - verification of failing system; 6/18/09 - 30-day violation letter; 9/23/09 – Citation. 10/13/09 – repair permit issued; 8/20/10 – letter to owner from MCPO ordering correction. Installation of new tank pending.

Key: bold text indicates latest activity.

RECYCLABLE PAPER

RESOLUTION NO. _____

MEETING DATE: _____

AGENDA ITEM:

MACOMB COUNTY, MICHIGAN

RESOLUTION TO: RECEIVE AND FILE A REPORT OF THE
MACOMB COUNTY WATER QUALITY BOARDINTRODUCED BY: COMMISSIONER DANA CAMPHOUS-PETERSON, CHAIRPERSON
HEALTH & ENVIRONMENTAL SERVICES COMMITTEE

The Macomb County Water Quality Board met on August 10, 2010. The primary agenda item was "Decision on phase out of the Drinking Water Monitoring Project is necessary if funding is not secured". Mr. John Bona of Environmental Consulting and Technology (ECT) gave a presentation describing the locations of the monitoring equipment, what equipment is utilized, parameters sampled and the communication systems that have been developed. Mr. Gold reviewed the financial status of the Project and the fact that to continue the Project and develop an organizational structure requires the participation of Detroit. Funding for continuation is based on water production, which would result in approximately 92% of costs being allocated to Detroit. He reviewed contacts that have been made with Detroit officials, Detroit Water and Sewerage staff and universities. To date, no funding has been found. He then stated another reason for the need for such a monitoring system is the fact that three oil pipelines go under the St. Clair River. Commissioner Brdak presented information on the Lake and River Fund. Continued attempts will be made to secure discussions with Detroit.

Mr. Joe St. John of the St. Clair Shores Environmental Committee gave a PowerPoint presentation on the many projects the group carries out to promote awareness of students about water quality and other environmental issues.

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 July 2010.

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

The July 2010 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 July 2010.

COMMITTEE/MEETING DATE

Health and Environmental Services – September 16, 2010

**MACOMB COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES DIVISION
SURFACE WATER IMPROVEMENT AND MONITORING "SWIM" TEAM
MONTHLY REPORT FOR JULY 2010**

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: 62 sampling locations were monitored this month for *E. coli* indicator bacteria. The monitoring for July indicates that 32% of the sampling locations show improvement over the historical July data. See the attached data summary.

Bathing Beach Monitoring: Monitoring for the 2010-bathing season resumed April 26, 2010 for Blossom Heath Beach and Memorial Park Beach in St. Clair Shores, Metropolitan Beach in Harrison Township, New Baltimore Beach in New Baltimore and the two inland beaches at Stony Creek Metropark in Washington Township. Beaches are monitored twice weekly for compliance with the Total Body Contact Standards contained in Part 125 of the Michigan Public Health Code (P.A. 368, 1978).

Monitoring for the Month of July 2010 (Beaches officially opened Memorial Weekend)

() No Closures at any Beaches.

(X) Closures at the following Beaches:

	<u>Days Closed</u>	<u>Yearly Total</u>
(X) New Baltimore Park	0	1
(X) Metro Beach Metro Park	1	4
(X) SCS Memorial Park	31	66
(X) SCS Blossom Heath Park	31	66
(X) Stony Creek Baypoint	1	1
() Stony Creek Eastwood	0	0

**SWIM Team Investigations and
IDEP Inspections:**

	<u>July 2010</u>	<u>Year-To-Date Total</u>
Investigations Initiated	77	633
Cases Referred to Prosecutors Office	1	19
Investigations Resolved		617

	<u>SWIM Team</u>	<u>IDEP Inspections</u>
Open Cases 2010	13	3
Open Cases from 2009	12	3
Open Cases from 2008	5	3
Open Cases from 2007	1	0
Open Cases from 2006	2	12
Open Cases from 2005	2	7
Open Cases from 2004	2	
Open Cases from 2003	2	

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

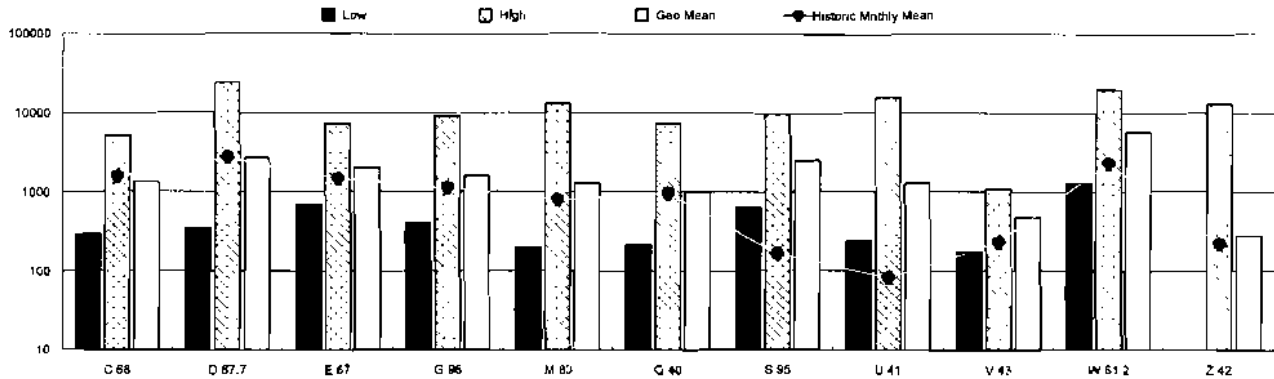
**MACOMB COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES DIVISION
SURFACE WATER IMPROVEMENT AND MONITORING "SWIM" TEAM
MONTHLY REPORT FOR JULY 2010**

SWIM TEAM INVESTIGATIONS

<u>Municipality</u>	July-10 <u>SWIM</u> <u>Investigations</u> <u>Initiated</u>	July-10 <u>IDEP</u> <u>Investigations</u> <u>Initiated</u>	July-10 <u>Year To</u> <u>Date Total</u>
Armada Township	0	0	0
Armada Village	0	0	1
Bruce	0	0	2
Center Line	0	0	0
Chesterfield	1	0	3
Clinton	2	54	487
Eastpointe	0	0	0
Fraser	0	0	0
Harrison	7	0	10
Lenox	1	0	1
Macomb	4	0	6
Memphis	0	0	0
Mt. Clemens	0	0	1
New Baltimore	1	0	1
New Haven	0	0	1
Ray	0	0	1
Richmond Township	0	0	2
Richmond	0	0	0
Romeo	0	0	1
Roseville	0	0	0
St. Clair Shores	4	0	5
Shelby	1	0	14
Sterling Heights	0	0	88
Utica	0	0	0
Warren	1	0	4
Washington	1	0	5
<u>Total #</u>	23	54	633

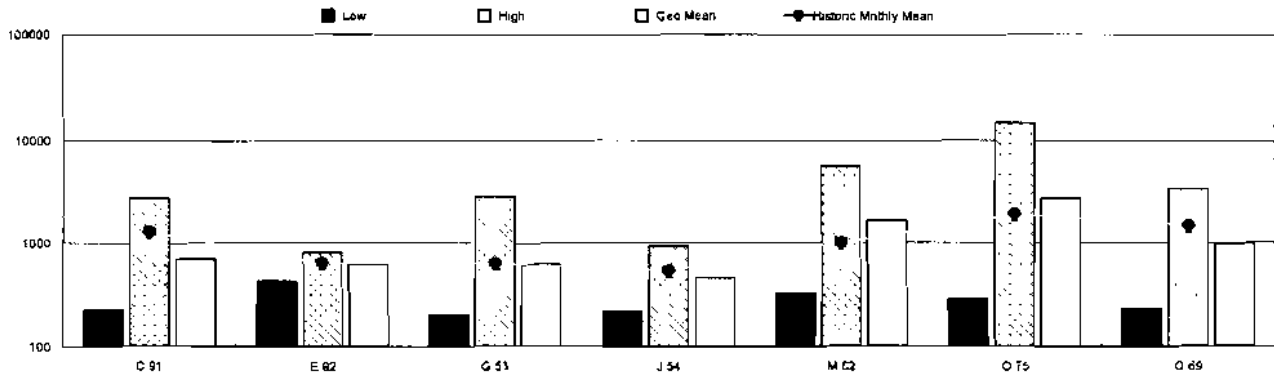
**Macomb County Health Department
Environmental Health Services Division
Monthly Watershed E. coli Results
07/01/2010 - 07/31/2010**

Clinton River Main Branch Watershed - East



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
68	285	5247	1327	1554
67.7	350	24192	2685	2734
67	677	7270	2046	1454
96	410	9208	1572	1123
83	187	12997	1269	785
40	218	7270	1005	959
95	646	9804	2517	165
41	235	15531	1294	82
43	173	1081	476	226
61.2	1296	19863	5738	2306
42	10	12997	279	217

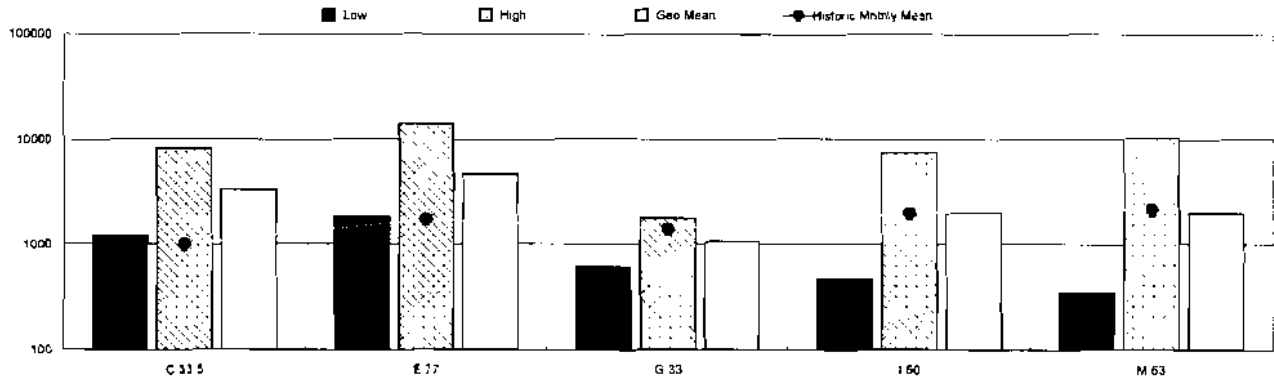
Clinton River Main Branch Watershed - West



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
91	228	2755	694	1287
92	425	813	620	633
53	201	2877	610	637
54	216	833	480	530
62	323	5794	1681	1008
75	288	14736	2703	1879
69	231	3448	995	1485

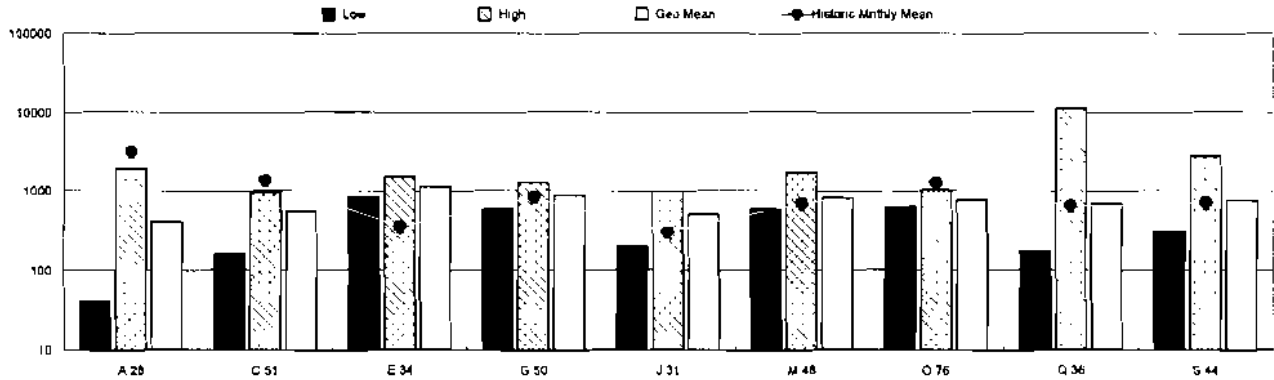
**Macomb County Health Department
Environmental Health Services Division
Monthly Watershed E. coli Results
07/01/2010 - 07/31/2010**

Clinton River Middle Branch Watershed



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
33.5	1201	8164	3341	997
77	1835	14136	4730	1733
33	605	1785	1048	1396
60	465	7555	1995	1865
63	345	10462	1949	2139

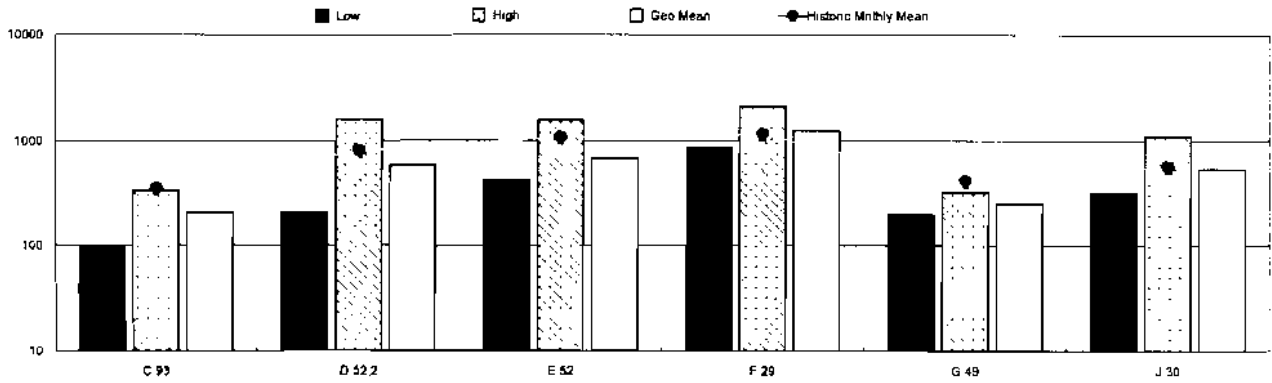
Clinton River North Branch Watershed - East



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
28	41	1918	411	3086
51	156	959	552	1356
34	839	1515	1155	357
50	584	1281	881	824
31	203	1017	499	301
48	588	1727	830	686
76	620	1019	769	1245
36	173	11199	704	655
44	305	2755	755	703

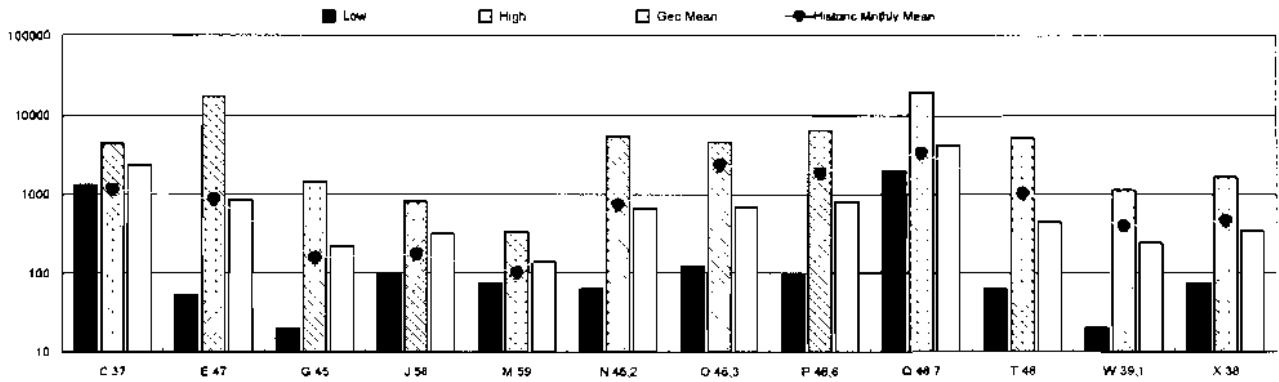
**Macomb County Health Department
Environmental Health Services Division
Monthly Watershed E. coli Results
07/01/2010 - 07/31/2010**

Clinton River North Branch Watershed - West



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
93	98	341	208	350
52.2	213	1616	588	808
52	419	1565	680	1071
29	857	2105	1250	1145
49	199	324	252	413
30	323	1112	543	566

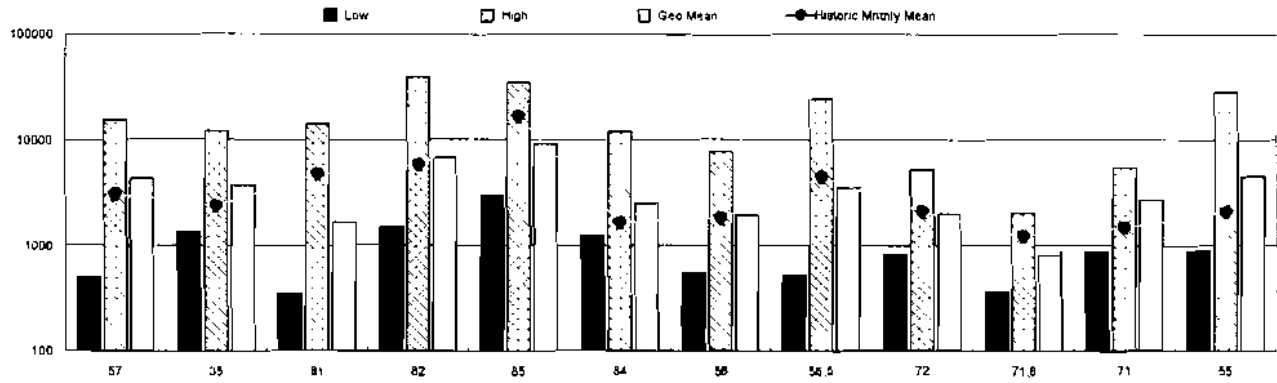
Other: Salt River, Milk River, Crapeau Creek



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
37	1296	4352	2335	1147
47	52	17329	854	868
45	20	1450	218	158
58	98	813	318	174
59	74	335	142	102
46.2	83	5475	669	736
46.3	122	4611	683	2345
46.6	98	6488	812	1856
46.7	1989	19863	4244	3367
46	63	5172	444	1020
39.1	20	1124	240	395
38	74	1674	345	465

**Macomb County Health Department
Environmental Health Services Division
Monthly Watershed E. coli Results
07/01/2010 - 07/31/2010**

Red Run Drain/Bear Creek Watershed



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
57	496	15531	4255	3026
35	1333	12033	3894	2358
81	350	14136	1676	4741
82	1483	39680	6739	5753
85	2909	34410	9086	16403
84	1246	12033	2539	1646
56	546	7701	1902	1805
56.5	521	24192	3512	4397
72	833	5172	1943	2099
71.8	364	2014	808	1221
71	880	5475	2705	1485
55	882	28510	4462	2073

**Macomb County Health Department
Environmental Health Services Division
Retention Basin/Combined Sewer/Sanitary Sewer Overflows
For the dates : 07/01/2010 through 07/31/2010**

Start	Start Time	End	End Time	Hours	Receiving Water	Volume (Gallons)	Meets NPDES	Precip Type
CHAPATON RTB								
07/15/2010	09:20 PM	07/16/2010	04:15 AM	7.90	Lake St. Clair	16,120,000	N	1.25 CSO-T
07/23/2010	11:00 PM	07/24/2010	01:45 AM	2.75	Lake St. Clair	1,400,000	Y	1.18 CSO-T
Sub Totals for Chapaton Rtb				10.65		17,520,000		
CLINTON - KING DRAIN								
07/12/2010	02:15 AM	07/12/2010	02:40 AM	0.40	Clinton River	98,900	N	1 SSO
07/15/2010	09:14 PM	07/15/2010	09:45 PM	0.50	Clinton River	122,636	N	1.10 SSO
Sub Totals for Clinton - King Drain				0.90		221,536		
FRASER								
07/12/2010	01:15 AM	07/12/2010	01:45 AM	0.50	Sweeney Drain	32,406	N	1.24 SSO
07/15/2010	07:30 PM	07/15/2010	10:00 PM	2.50	Sweeney Drain	53,351	N	1.30 SSO
07/23/2010	08:30 PM	07/23/2010	08:45 PM	0.25	Sweeney Drain	7,069	N	0.91 SSO
Sub Totals for Fraser				3.25		92,826		
MILK RIVER RTB								
07/15/2010	07:49 PM	07/15/2010	08:32 PM	0.70	Lake St. Clair	13,004,210	Y	0.88 CSO-T
07/23/2010	02:27 PM	07/23/2010	02:49 PM	0.40	Lake St. Clair	5,919,179	Y	1.16 CSO-T
07/25/2010	08:00 AM	07/25/2010	09:00 AM	1.00	Lake St. Clair	11,262,000	Y	0.54 CSO-T
Sub Totals for Milk River Rtb				2.10		30,185,389		
SOCSDS RTB								
07/15/2010	10:05 AM	07/16/2010	12:05 PM	2.00	Red Run Drain	83,600,000	Y	1.78 CSO-T
Sub Totals for Socds Rtb				2.00		83,600,000		
Total all locations				18.90		131,619,751		

**5 HIGHEST E. COLI SURFACE WATER SAMPLING SITES
(July, 2010)**

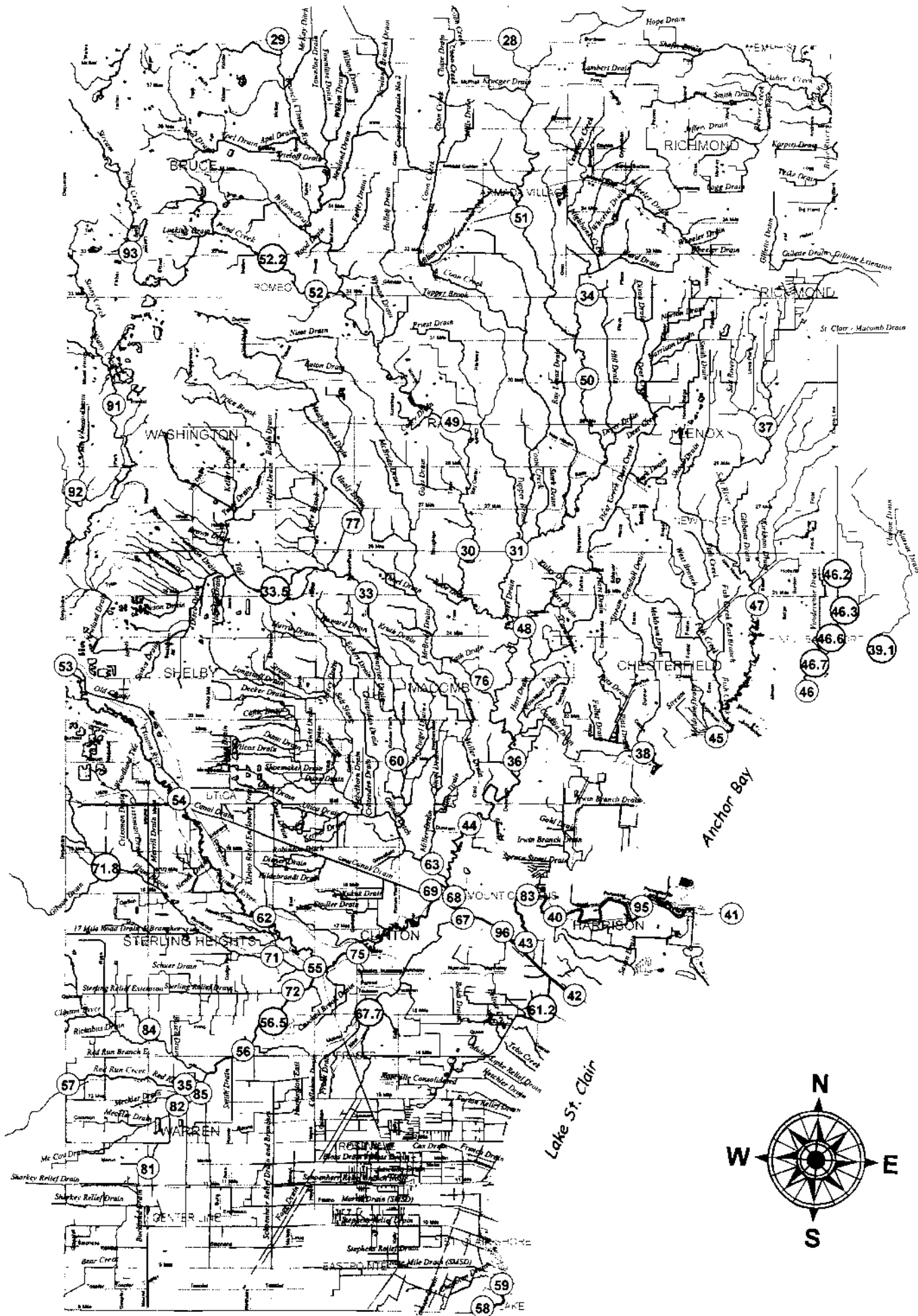
	Sample #	Location	E. coli/100 mL (Geo Mean)
1	85	Lorraine Drain at Bear Creek	9,086
2	82	Bear Creek at Old 13 Mile Road	6,739
3	61.2	Clinton-Harrison Relief Drain at Shook Road	5,738
4	77	Healy Brook Drain at Romeo Plank Road	4,730
5	55	Red Run Drain at Utica Road	4,462

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

Sample #	Location
Clinton River Main Branch Watershed - EAST	
68	Clinton River at Moravian Road Bridge
67.7	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
Clinton River Main Branch Watershed - WEST	
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
Clinton River Middle Branch Watershed	
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
Clinton River North Branch Watershed - EAST	
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
Clinton River North Branch Watershed - WEST	
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**

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



RECYCLABLE PAPER

RESOLUTION NO. _____

MEETING DATE: _____

AGENDA ITEM: _____

MACOMB COUNTY, MICHIGAN

RESOLUTION TO: Authorize Health Department participation in the Belle River
Watershed Advisory GroupINTRODUCED BY: Commissioner Dana Camphous-Peterson, Chairperson, Health
and Environmental Services Committee

The Belle River Watershed Advisory Group has been formed for the purpose of developing a Watershed Management Plan (WMP). The group consists of representatives from St. Clair, Macomb and Lapeer Counties, as well as, local communities within the watershed. The watershed management plan will allow communities to qualify for grant funding to implement actions identified in the WMP.

COMMITTEE/MEETING DATE

Health and Environmental Services – September 16, 2010

**Belle River Watershed Advisory Group
Watershed Management Planning Fact Sheet**

<p>What is a watershed?</p>	<ul style="list-style-type: none"> • All the land that drains to a specific body of water such as a lake or river. Water quality is best managed by watershed because everything in a watershed will affect the health of the river or lake it drains into.
<p>What is a Watershed Management Plan?</p>	<ul style="list-style-type: none"> • A planning document that identifies impaired or threatened water quality in the river and the actions needed to improve and protect the health of the river.
<p>Why should my community or agency participate?</p>	<ul style="list-style-type: none"> • Ensures that a community or agency's goals, objectives and desired activities are reflected in the watershed plan. • Enables a community and/or agency to qualify for grant funding to implement actions identified in the watershed plan • Enables a community that is participating in FEMA's flood plain insurance program to receive discounts on insurance premiums for its residents. • Enables the community or agency to understand how it can help preserve and protect water quality for the public health and quality of life of its residents. • The St. Clair County Health Department has agreed to apply for grant funding in the fall of 2010, if the majority of the communities and county agencies approve the Belle River operating agreement and designate representatives to participate.
<p>Will this cost anything?</p>	<ul style="list-style-type: none"> • It is proposed that the grant will pay for all hard costs associated with the development of a Watershed Management Plan, • The only cost to your community or county agency will be participation in meetings of the Belle River Watershed Advisory Group. • Development of a Belle River watershed plan will take about a year and a half and meetings will take place approximately once a month or every other month as needed.

If you have any questions, please call or email Kristen O. Jurs, Storm Water Coordinator, St. Clair County Health Department, 810. 987.5306, kojurs@stclaircounty.org

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Watershed Management Planning Fact Sheet**

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