



BOARD OF COMMISSIONERS

1 S. Main St., 9th Floor
Mount Clemens, Michigan 48043
586-469-5125 FAX 586-469-5993
macombcountymi.gov/boardofcommissioners

HEALTH AND ENVIRONMENTAL SERVICES COMMITTEE

THURSDAY, JULY 15, 2010

AGENDA

1. Call to Order
2. Pledge of Allegiance
3. Adoption of Agenda
4. Approval of Minutes dated June 17, 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. Prosecutor's Environmental Unit Report for June (mailed)
7. Authorize Health Department to Accept a Consumer Product Safety Division Contract to Perform Pool Drain Inspections (mailed)
8. Report from Water Quality Board (mailed)
9. Approve Payment to Bruce Township from Environmental Problems: Lake/River Fund for Cleaning of Mahaffey Drain (mailed)
10. S.W.I.M. Team Report for May (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 Duzyj - District 1
Marvin E. Sauger - District 2
Phillip A. DiMaria - District 3
Tom 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
Vice Chair

Jean Flynn
District 6
Sergeant-At-Arms

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

William A. Crouclman - District 23
Michael A. Boyle - District 24
Kathy D. Vosburg - District 25
Jeffery S. Sprys - District 26

RESOLUTION NO. _____

FULL BOARD MEETING DATE: 7/22/10

6.

AGENDA ITEM: _____

MACOMB COUNTY, MICHIGAN

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

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

COMMITTEE/MEETING DATE
Health and Env Services 7/15/10

PROSECUTOR'S ENVIRONMENTAL UNIT REPORT

Submitted by Luanne Laemmerman

June 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.

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.

People v Bianga – DNR Case. One Count Weapons – Careless Discharge causing injury. Pre-Exam 10/22/09 – Adjourned for date certain. Preliminary Exam 10/28/09 – Second adjournment for date certain to 1/6/2010, 42-2; reset for Pre-Exam on 3/15/10 – awaiting ballistics results from crime lab. Final Pre-Exam 4/29/10. Complaint amended 5/3/10. Final PT on 6/14/10. **Def plead to Reckless Use of Firearm. Case Closed.**

People v Mauro – MDNRE-OCI referral. **One Count Wetlands Permit Violation. Warrant Authorized 6/18/10; awaiting PT date.**

MEETINGS ATTENDED ON BEHALF OF COUNTY:

6/4/10 - Water Quality Board Subcommittee Meeting
6/8/10 - Water Quality Board Meeting
6/10/10 – Lake St. Clair Direct Drainage Subwatershed Advisory Group Meeting
6/10/10 – Celebrate the Lake Event

Monthly Narrative: Increased coverage at District Court/general criminal and probate docket, including completion of bench trial. Continued review of MDNRE-OCI referral for applicable charges due to case complexity. Continued coverage of DNR cases. Prepared for upcoming eriminal case court dates. Updated open SWIM case status. Attended several meetings on behalf of County (see above).

Future Plan: Finalize warrant for MDNRE-OCI referral. 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.

Macomb County Health Dept/EHS Open Cases

07/07/10

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.
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/ Eimway 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	Omo 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.

Macomb County Health Dept/EHS Open Cases

07/07/10

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
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.
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.

Key: bold text indicates latest activity.

RECYCLABLE PAPER

RESOLUTION NO. _____

MEETING DATE: _____

AGENDA ITEM: _____

MACOMB COUNTY, MICHIGAN

RESOLUTION TO: Authorize the Health Department to accept a contract for \$46,725 on a Consumer Product Safety Division contract, to perform pool inspections in Macomb County in accordance with the Virginia Graeme Baker Pool and Spa Safety Act Public Law No. 110-140.

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

Authorize the Health Department to accept a contract for \$46,725 from the Consumer Product Safety Commission to perform pool drain inspections in accordance with the Virginia Graeme Baker Pool and Spa Safety Act Public Law. This law is aimed at making public pools and spas safer, securing the environment around them and educating consumers and industry on pool safety. This contract will provide funding specifically to the Health Department to conduct drain inspections of pools and spas in Macomb County. This inspection program is in addition to the State of Michigan pool and spa inspection program that is currently performed.

No match is required and no additional staff will be necessary.

COMMITTEE/MEETING DATE

Health and Environmental Services – July 15, 2010

RECYCLABLE PAPER

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 June 8, 2010. The Board heard a report from Ms. Kristen Grifka relative to the Lake St. Clair Tourism and Development Program. Representatives from Romeo spoke to the work that is being done to resolve the sanitary sewer overflow problem brought to the attention of the Board by Mr. Van Houtte at the previous meeting. An e-mail was received from Michigan Department of Natural Resources and Environment stating "the situation with respect to the manhole causing overflows will not be allowed to continue".

The Board continued discussion of Lake St. Clair as an Area of Concern. Mr. Martz stated that it would make sense to consider extension of the Clinton River Area of Concern to only the area from the Clinton River to Eight Mile on the western shore as part of Harrison Township is already designated. The Mayor of St. Clair Shores stated that at this point the highest priority for the City is to gain funding under the "Super Fund" and therefore he could not support expanding the Area of Concern at this time. After serious discussion of the pros and cons of such action, the Board stated they will continue to study the problem but defer any action until after September when it is anticipated St. Clair Shores will know about "Super Fund" funding.

The Notification Committee submitted its report recommending that citizens be advised of overflows utilizing the Health Department's web site and Facebook page and that Board members participate in bringing this information to municipalities, the media and other organizations. The Board through resolution concurred with these recommendations.

RECYCLABLE PAPER

RESOLUTION NO. _____

MEETING DATE: _____

AGENDA ITEM: _____

9.

MACOMB COUNTY, MICHIGAN

RESOLUTION TO: Approve payment of \$8,333 to Bruce Township from the Environmental Problems: Lake/River Fund for cleaning of the Mahaffey Drain

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

Bruce Township has completed the Mahaffey Drain Project and is requesting reimbursement. The amount approved by the Macomb County Board of Commissioners July 23, 2009 was \$8,333.33.

TOWNSHIP OF BRUCE

Proud Heritage · Planned Future

223 EAST GATES STREET

P.O. BOX 98

ROMEO, MICHIGAN 48065

586-752-4585 • Fax 586-752-3870

www.brucewp.org

JAMES TIGNANELLI, Supervisor
SUSAN BROCKMANN, Clerk
DEBORAH S. OBRECHT, Treasurer

MARK FALKER, Trustee
RON WALKER, Trustee

June 23, 2010

Steven C. Gold, M.P.H.
Director/ Health Officer
Macomb County Health Department
43525 Elizabeth Road
Mt. Clemens, MI 48043

RE: Mahaffey Drain Bruce Township

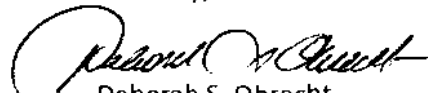
Dear Steve:

Based on our conversation, I am forwarding the Macomb County Public Works letter certifying the above referenced project has been completed along with their cost summary and cost payment sheet. The Township did remit the \$8,333.33 to the Public Works Department to provide the initial funding.

Please let me know if you need any further information to have this item placed on the July 22nd, 2010 Board of Commissioner's agenda.

Thank you again for your assistance. We appreciate your department and everyone's assistance at the County to bring this community improvement to a conclusion.

Sincerely,



Deborah S. Obrecht
Bruce Township Treasurer



Anthony V. Marrocco
Public Works Commissioner
Macomb County

RECEIVED
JUN 14 2010
BRUCE TOWNSHIP

June 7, 2010

Ms. Deborah S. Obrecht, Treasurer
Bruce Township Offices
223 East Gates, PO Box 98
Romeo, MI 48065

RE: Mahaffy Drain

Dear Ms. Obrecht:

Please be advised that the Mahaffy Drain project has been completed to the satisfaction of this office and the contractor has been paid. Reimbursement can now be requested from the Lake/River Fund.

Should you have any questions, please feel free to contact me at 586-307-8272.

Sincerely,

Tom Stockel
Construction Engineer

TS/lb-MahaffyObrecht.let

COPY TO

____ Supervisor ____ Clerk
____ Treasurer ____ Accounting
____ Assessing ____ Planning
____ Building ____ Other

DATE 6-14-10 *file*

OFFICE LOCATION: 21777 Durham Road, Clinton Township, Michigan • Phone: 586-469-5325 • Fax: 586-469-5933

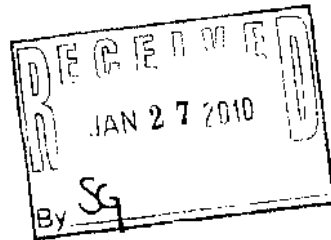
MAILING ADDRESS: P.O. Box 806, Mount Clemens, MI 48046-0806

ENGINEERING • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION:** • Phone: 586-469-5327 • Fax: 586-307-8264

MAHAFFY DRAIN CLEANOUT(09-0001)
 STATEMENT OF REVENUE/EXPENDITURES
 AS OF SEPTEMBER 21, 2009

DESCRIPTION	Recorded Amounts	Projected Amounts	Total
REVENUE			
Emergency Drain Revolving	\$50,000.00		\$ 50,000.00
Lake/River Fund Award From Bruce Township		\$8,333.33	\$ 8,333.33
Various Vendors for Plans	\$1,300.00		\$ 1,300.00
Total Revenue	\$51,300.00	\$8,333.33	\$ 59,633.33
EXPENDITURES			
Administrative	\$2,594.98		\$ 2,594.98
Contractor		\$89,976.00	\$ 89,976.00
Contingencies(10%)		\$8,997.60	\$ 8,997.60
Total-Expenditures	\$2,594.98	\$98,973.60	\$101,568.58
ADDITIONAL AMOUNT DUE FROM TOWNSHIP			\$ 41,935.25
		Lake/River Fund Award	\$ 8,333.33
		Total Due from Bruce Twp	<u>\$ 50,268.58</u>

10-0070



MACOMB COUNTY
PUBLIC WORKS COMMISSIONER
CERTIFICATE OF PAYMENT DUE
PWO PROJECT #09-0001
CONSTRUCTION ESTIMATE NO. 1

Owner: MAHAFFY DRAIN DRAINAGE DISTRICT

Contractor: D & M CONTRACTING, INC.
12501 23 Mile Road
Shelby Township, MI 48315
Tax ID #38-3395447

Title: MAHAFFY DRAIN

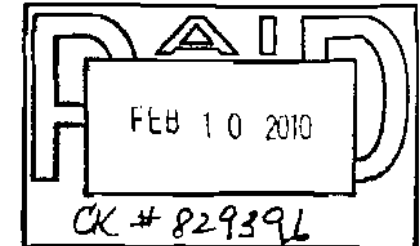
Project: MAHAFFY DRAIN CLEANOUT

Date of original contract: DECEMBER 2, 2009

Original Contract amount: \$89,976.50

Previous payment(s): None to date

Approved change order(s): Change Order #1 - 11.3.09 - (34,978.50)



Contract amount	\$89,976.00
Adjusted contract amount	\$54,997.50
Total value of work completed	\$54,997.50
Less previous payments	0
Balance	\$54,997.50
Retained - 7%	\$3,849.82
Value of this payment	\$51,147.68

70100

Prepared by: Engineer

1-26-10
Date

Approved by: Owner *KS*

#0017

Vendor:	M23	MACOMB COUNTY PUBLIC WORKS		Distribution	Amount
Invoice #		Invoice Date	Description		
		11/17/2009	GRANT FOR MAHAFFY DRAIN		8,333.33
				Check Amt Total:	8,333.33

Check Date 11/17/2009

TOWNSHIP OF BRUCE • ROMEO, MICHIGAN 48065-0098

Check # 41431

TOWNSHIP OF BRUCE
 GENERAL ACCOUNT
 223 EAST GATES STREET
 P.O. BOX 98
 ROMEO, MICHIGAN 48065-0098

JPMORGAN CHASE BANK, N.A.
 DETROIT MICHIGAN 48226 9-32/720

41431

VOID AFTER 6 MONTHS

Check Date: 11/17/2009

Check #: 41431

AMOUNT

\$8,333.33

PAY EIGHT THOUSAND THREE HUNDRED THIRTY-THREE DOLLARS AND 33 CENTS*****

991377C-08 66

TO THE
 ORDER
 OF

MACOMB COUNTY PUBLIC WORKS
 115 SOUTH GROESBECK HIGHWAY
 MT CLEMENS MI 48043

*Received to 12/17/09
 2177 William
 Cleary Supervisor*

[Signature]
 Robert A. Bryant

⑈041431⑈ ⑆072000326⑆ 789801610⑈

Vendor	M23	MACOMB COUNTY PUBLIC WORKS		Distribution	Amount
Invoice #		Invoice Date	Description		
		11/17/2009	GRANT FOR MAHAFFY DRAIN		8,333.33
				Check Amt Total:	8,333.33

12-17-09

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 May 2010.

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

The May 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 May 2010.

COMMITTEE/MEETING DATE

Health and Environmental Services – July 15, 2010

**MACOMB COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES DIVISION
SURFACE WATER IMPROVEMENT AND MONITORING "SWIM" TEAM
MONTHLY REPORT FOR MAY 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: 61 sampling locations were monitored this month for *E. coli* indicator bacteria. The monitoring for May indicates that 8% of the sampling locations show improvement over the historical May 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 May 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>
() New Baltimore Park	0	0
() Metro Beach Metro Park	0	0
(X) SCS Memorial Park	5	5
(X) SCS Blossom Heath Park	5	5
() Stony Creek Baypoint	0	0
() Stony Creek Eastwood	0	0

SWIM Team Investigations and IDEP Inspections:

	<u>April 2010</u>	<u>Year-To-Date Total</u>
Investigations Initiated	50	482
Cases Referred to Prosecutors Office	0	18
Investigations Resolved		471
	<i>SWIM Team</i>	<i>IDEP Inspections</i>
Open Cases 2010	7	4
Open Cases from 2009	15	5
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.

Education and Public Information:

Displays were set up at the Health Department's offices in Mt. Clemens, Warren and St. Clair Shores for Water Quality Month. The third Annual Lake St. Clair Water Festival, which the Health Department co-chairs, was held on May 19, 2010 at Macomb Community College. Over 1000 4th & 5th grade students and teachers attended this event. Additionally, twenty-three presentations were given to 740 students at the following locations:

3 rd Grade	Bellevue Elementary	Eastpointe
4 th Grade	Will Lee Elementary	Richmond
7 th Grade	Flynn Middle School	Sterling Heights
7 th Grade	Carter Middle School	Warren
5 th Grade	Roosevelt Elementary	Warren

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

SWIM TEAM INVESTIGATIONS

<u>Municipality</u>	<u>May-10 SWIM Investigations Initiated</u>	<u>May-10 IDEP Investigations Initiated</u>	<u>May-10 Year To Date Total</u>
Armada Township	0	0	0
Armada Village	0	0	1
Bruce	0	0	2
Center Line	0	0	0
Chesterfield	0	0	1
Clinton	0	40	389
Eastpointe	0	0	0
Fraser	1	0	0
Harrison	0	0	1
Lenox	0	0	0
Macomb	0	0	2
Memphis	0	0	0
Mt. Clemens	0	0	0
New Baltimore	0	0	0
New Haven	0	0	1
Ray	0	0	0
Richmond Township	1	0	2
Richmond	0	0	0
Romeo	1	0	1
Roseville	0	0	0
St. Clair Shores	0	0	1
Shelby	1	0	12
Sterling Heights	1	2	64
Utica	0	0	0
Warren	2	0	3
Washington	1	0	2
<u>Total #</u>	8	42	482

MACOMB COUNTY
BATHING BEACH CLOSURE DATES
(May, 2010)

Metro Beach

NONE

Blossom Heath

5/27/10 – 5/31/10

5 Days

Memorial Park

5/27/10 – 5/31/10

5 Days

New Baltimore

NONE

Stony Creek - Eastwood

NONE

Stony Creek - Baypoint

NONE

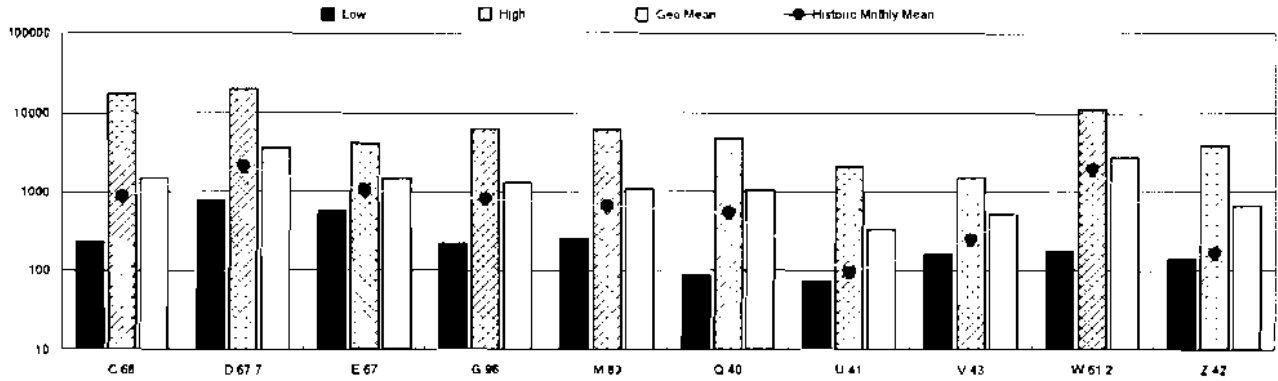
Total Beach Closures: 10 Days

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

	Sample #	Location	E. coli/100 mL (Geo Mean)
1	85	Lorraine Drain at Bear Creek	8,789
2	56.5	Schoenherr Relief Drain at Red Run Drain	6,279
3	69	Canal Drain at Clinton River Road	4,402
4	82	Bear Creek at Old 13 Mile Road	4,334
5	67.7	Sweeney Drain at 15 Mile Road	3,604

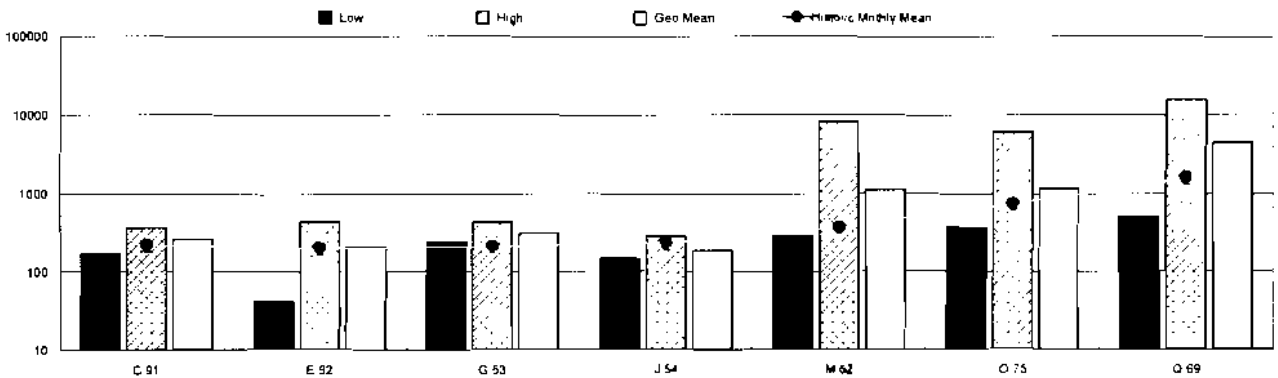
**Macomb County Health Department
Environmental Health Services Division
Monthly Watershed E. coli Results
05/01/2010 - 05/31/2010**

Clinton River Main Branch Watershed - East



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
68	231	17329	1503	886
67.7	780	19863	3604	2098
67	556	4106	1522	1050
96	223	6294	1315	815
83	253	6167	1081	659
40	86	4884	1065	532
41	74	2098	332	98
43	160	1515	516	244
61.2	173	11199	2743	1339
42	139	3873	659	165

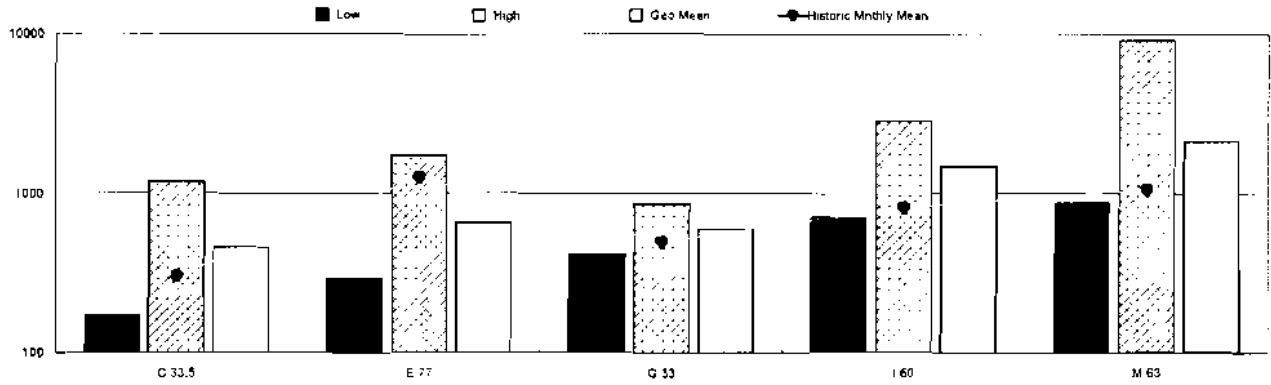
Clinton River Main Branch Watershed - West



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
91	168	389	260	216
92	41	443	208	201
53	238	441	313	211
54	148	288	185	233
62	288	8164	1124	371
75	364	6131	1180	754
69	512	15531	4402	1597

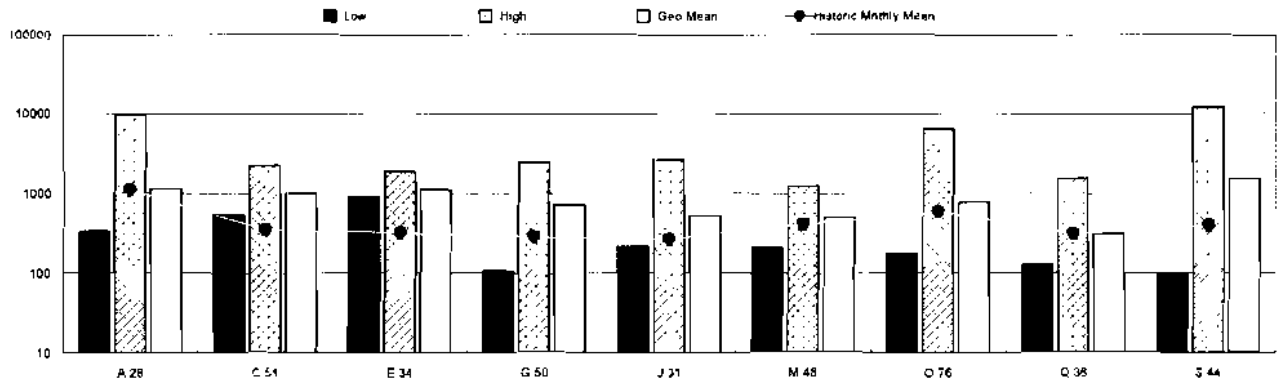
**Macomb County Health Department
Environmental Health Services Division
Monthly Watershed E. coli Results
05/01/2010 - 05/31/2010**

Clinton River Middle Branch Watershed



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
33.5	171	1187	458	304
77	292	1725	652	1251
33	420	857	593	498
60	700	2851	1482	818
63	865	9208	2126	1059

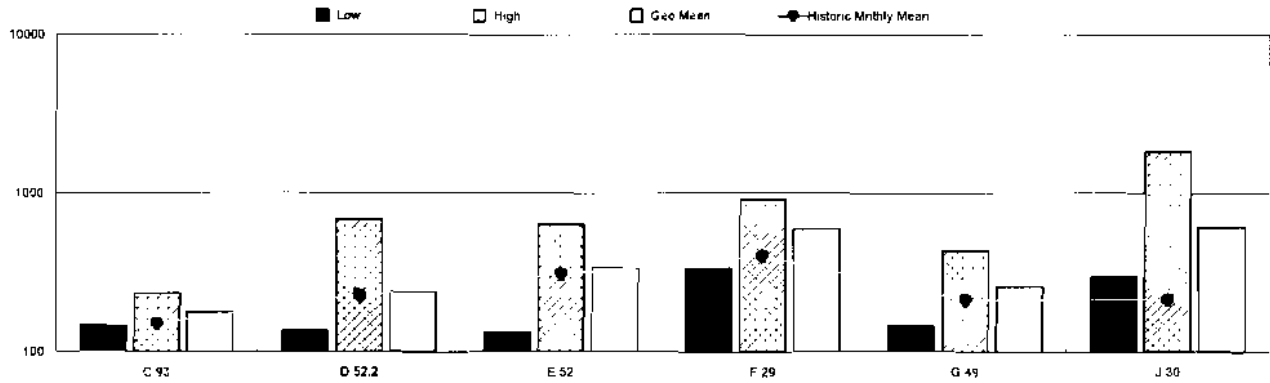
Clinton River North Branch Watershed - East



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
28	336	9804	1187	1122
51	552	2247	1010	357
34	907	1842	1120	320
50	108	2495	733	288
31	218	2613	524	264
48	209	1259	511	413
76	175	6488	778	594
38	126	1572	317	313
44	98	12033	1514	400

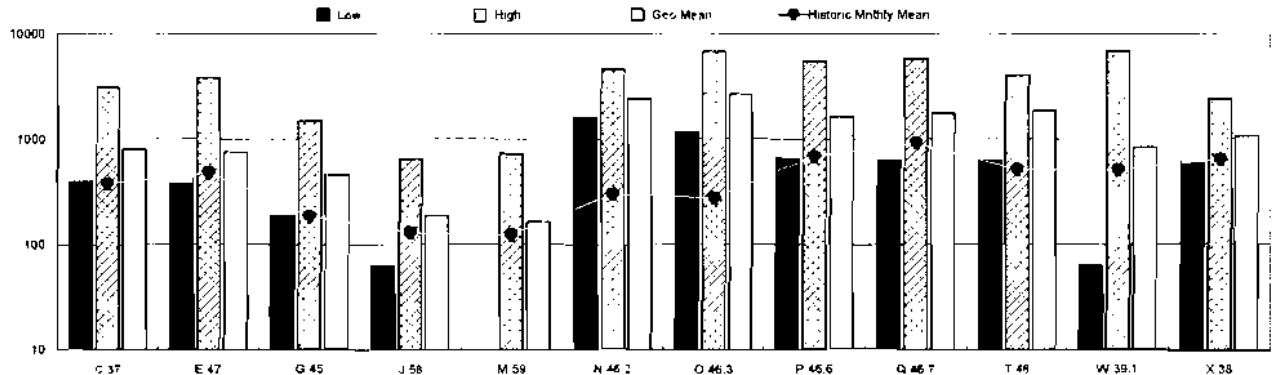
**Macomb County Health Department
Environmental Health Services Division
Monthly Watershed E. coli Results
05/01/2010 - 05/31/2010**

Clinton River North Branch Watershed - West



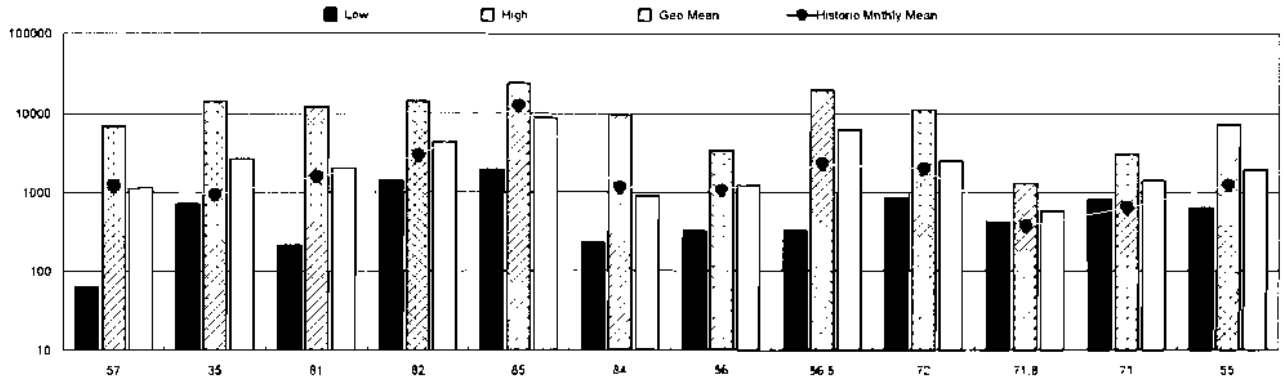
Sample Site	Low	High	Geo Mean	Historic Monthly Mean
93	146	233	179	151
52.2	135	891	240	228
52	132	633	337	308
29	336	909	594	401
49	145	435	259	211
30	295	1842	615	212

Other: Salt River, Milk River, Crapeau Creek



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
37	390	3076	789	374
47	374	3873	752	471
45	191	1483	459	185
58	63	638	187	129
59	10	717	162	122
46.2	1576	4511	2405	299
46.3	1153	6867	2674	273
46.6	645	5475	1634	673
46.7	617	5794	1755	913
46	620	4106	1879	505
39.1	63	6867	839	512
38	583	2400	1061	636

Macomb County Health Department
Environmental Health Services Division
Monthly Watershed E. coli Results
05/01/2010 - 05/31/2010
Red Run Drain/Bear Creek Watershed



Sample Site	Low	High	Geo Mean	Historic Monthly Mean
57	63	6893	1138	1212
35	708	14136	2648	929
81	211	12033	2031	1572
82	1430	14138	4334	2930
85	1935	24192	8789	12376
84	228	9804	931	1182
56	328	3441	1229	1070
56.5	327	19863	6278	2321
72	865	11199	2505	2002
71.8	413	1317	587	378
71	820	3076	1428	649
55	640	7270	1946	1238

**Macomb County Health Department
 Environmental Health Services Division
 Retention Basin/Combined Sewer/Sanitary Sewer Overflows
 For the dates : 5/1/2010 through 5/31/2010**

Start Date	Start Time	End Date	End Time	Hours	Location	Volume (Gallons)	Flow NPDES	Prchp	Type
ARMADA VILLAGE WWTP									
05/11/2010		05/12/2010			E. Branch Coon Creek	33,000	N	5.00	CSO-T
Sub Totals for Armada Village Wwtp						33,000			
CHAPATON RTB									
05/11/2010	06:00 PM	05/12/2010	05:30 AM	11.50	Lake St. Clair	21,810,000	Y	1.48	CSO-T
Sub Totals for Chapaton Rtb						21,810,000			
FRASER									
05/11/2010	02:30 PM	05/11/2010	10:45 PM	8.25	Sweeney Drain	371,969	N	1.40	SSO
Sub Totals for Fraser						371,969			
MARTIN RTB									
05/11/2010	04:33 PM	05/12/2010	02:55 AM	10.40	Lake St. Clair	27,820,000	Y	1.40	CSO-T
Sub Totals for Martin Rtb						27,820,000			
MILK RIVER RTB									
05/11/2010	01:22 PM	05/11/2010	07:58 PM	5.60	Lake St. Clair	30,645,979	Y	1.50	CSO-T
05/12/2010	04:19 AM	05/12/2010	05:31 AM	1.20	Lake St. Clair	8,892,000	Y	0.00	CSO-T
05/13/2010	10:29 AM	05/13/2010	11:33 AM	1.10	Lake St. Clair	11,776,000	Y	0.51	CSO-T
Sub Totals for Milk River Rtb						51,313,979			
ROMEO WWTP									
05/02/2010		05/02/2010			Not Entered	1,000	Y	2.47	SSO
Sub Totals for Romeo Wwtp						1,000			
SOCSDS RTB									
05/11/2010	04:10 PM	05/12/2010	02:00 AM	10.20	Red Run Drain	107,000,000	Y	2.05	CSO-T
05/13/2010	12:45 PM	05/13/2010	04:45 PM	4.00	Red Run Drain	6,500,000	Y	0.60	CSO-T
Sub Totals for Socds Rtb						113,500,000			
Total all locations				52.25		214,849,948			

**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

