McHenry County Department of Health
2200 N Seminary Avenue, Building A
Woodstock, IL 60098
815-334-4510
www.mcdh.info

Analysis Report

Bacterial and Chemical Analysis

Board of Health

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Crystal Lake, Illinois

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Crystal Lake, Illinois

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Crystal Lake, Illinois

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Marengo, Illinois

William Stinson, M.D.
Crystal Lake, Illinois

David Faccone
Crystal Lake, Illinois

Joseph Clarke
Marengo, Illinois

Mary McCann
Woodstock, Illinois

Michael Hill
Public Health Administrator

Source Address:

SEEP

Collected By:

J LEVATO

LAB NUMBER	080317-1
RFS NUMBER	

Illinois Department of Public Health Registry Number: 17539

Sample Information:

Date Collected: 08/03/17

Time Collected: 12:54 PM

Remarks:

TEMPERATURE 78°F

BACTERIOLOGICAL ANALYSIS

BACTERIAL TEST	COLONIES PER 100 ML	DILUTION
TOTAL COLIFORM		
FECAL COLIFORM		
FECAL STREPTOCOCCUS		
E COLI	28.80	

CHEMICAL ANALYSIS

Chemical Test	METHOD	QUANTITY	UNIT
pH	SM 4500 H+B		
Specific Conductivity	SM 2510 B		umhos/cm.
Nitrate	ORION 601		mg/L.
Ammonia (as N)	SM 4500-NH_3-F		mg/L.
Chloride	SM 4500 CL-D		mg/L.
Total Phosphate	SM 4500-P-D		mg/L.
Ortho Phosphate	SM 4500-P-D		mg/L.
Dissolved Oxygen	SM 4500-O		mg/L.
BOD	SM 5210-B		mg/L.
Total Suspended Solids	SM 2540-D		mg/L.

Date/Time Received:	08/03/17	3:15 PM	
Received By:	KW		
Date Reported Out:	08/04/17	Reported Out By:	
Run Analyst:	KW	Read Analyst:	KW

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Crystal Lake, Illinois

Joseph Clarke
Marengo, Illinois

Mary McCann
Woodstock, Illinois

Michael Hill
Public Health Administrator

Source Address:

CULVERT - INLET

Collected By:

J LEVATO

LAB NUMBER	080317-2
RFS NUMBER	

Illinois Department of Public Health Registry Number: 17539

Sample Information:

Date Collected: 08/03/17

Time Collected: 12:00 PM

Remarks:

TEMPERATURE 77°F

BACTERIOLOGICAL ANALYSIS

BACTERIAL TEST	COLONIES PER 100 ML	DILUTION
TOTAL COLIFORM		
FECAL COLIFORM		
FECAL STREPTOCOCCUS		
E COLI	15.80	

CHEMICAL ANALYSIS

Chemical Test	METHOD	QUANTITY	UNIT
pH	SM 4500 H+B		
Specific Conductivity	SM 2510 B		umhos/cm.
Nitrate	ORION 601		mg/L.
Ammonia (as N)	SM 4500-NH_3-F		mg/L.
Chloride	SM 4500 CL-D		mg/L.
Total Phosphate	SM 4500-P-D		mg/L.
Ortho Phosphate	SM 4500-P-D		mg/L.
Dissolved Oxygen	SM 4500-O		mg/L.
BOD	SM 5210-B		mg/L.
Total Suspended Solids	SM 2540-D		mg/L.

Date/Time Received:	08/03/17	3:15 PM	
Received By:	KW		
Date Reported Out:	08/04/17	Reported Out By:	
Run Analyst:	KW	Read Analyst:	KW

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Michael Hill
Public Health Administrator

Source Address:

CULVERT - OUTLET

Collected By:

J LEVATO

LAB NUMBER	080317-3
RFS NUMBER	

Illinois Department of Public Health Registry Number: 17539

Sample Information:

Date Collected: 08/03/17

Time Collected: 12:00 PM

Remarks:

TEMPERATURE 77°F

BACTERIOLOGICAL ANALYSIS

BACTERIAL TEST	COLONIES PER 100 ML	DILUTION
TOTAL COLIFORM		
FECAL COLIFORM		
FECAL STREPTOCOCCUS		
E COLI	47.10	

CHEMICAL ANALYSIS

Chemical Test	METHOD	QUANTITY	UNIT
pH	SM 4500 H+B		
Specific Conductivity	SM 2510 B		umhos/cm.
Nitrate	ORION 601		mg/L.
Ammonia (as N)	SM 4500-NH_3-F		mg/L.
Chloride	SM 4500 CL-D		mg/L.
Total Phosphate	SM 4500-P-D		mg/L.
Ortho Phosphate	SM 4500-P-D		mg/L.
Dissolved Oxygen	SM 4500-O		mg/L.
BOD	SM 5210-B		mg/L.
Total Suspended Solids	SM 2540-D		mg/L.

Date/Time Received:	08/03/17	3:15 PM	
Received By:	KW		
Date Reported Out:	08/04/17	Reported Out By:	
Run Analyst:	KW	Read Analyst:	KW

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Michael Hill
Public Health Administrator

Source Address:

KILLARNEY ACRES - WEST

Collected By:
J LEVATO

LAB NUMBER	SHALLOW
RFS NUMBER	

Illinois Department of Public Health Registry Number: 17539

Sample Information:

Date Collected: 08/03/17

Time Collected: 11:00 AM

Remarks:

TEMPERATURE 83°F

BACTERIOLOGICAL ANALYSIS

BACTERIAL TEST	COLONIES PER 100 ML	DILUTION
TOTAL COLIFORM		
FECAL COLIFORM		
FECAL STREPTOCOCCUS		
E COLI	7.30	

CHEMICAL ANALYSIS

Chemical Test	METHOD	QUANTITY	UNIT
pH	SM 4500 H+B		
Specific Conductivity	SM 2510 B		umhos/cm.
Nitrate	ORION 601		mg/L.
Ammonia (as N)	SM 4500-NH_3-F		mg/L.
Chloride	SM 4500 CL-D		mg/L.
Total Phosphate	SM 4500-P-D		mg/L.
Ortho Phosphate	SM 4500-P-D		mg/L.
Dissolved Oxygen	SM 4500-O		mg/L.
BOD	SM 5210-B		mg/L.
Total Suspended Solids	SM 2540-D		mg/L.

Date/Time Received:	08/03/17	3:15 PM	
Received By:	KW		
Date Reported Out:	08/04/17	Reported Out By:	
Run Analyst:	KW	Read Analyst:	KW

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Michael Hill
Public Health Administrator

Source Address:

KILLARNEY ACRES - WEST

Collected By:
J LEVATO

LAB NUMBER	DEEP
RFS NUMBER	

Illinois Department of Public Health Registry Number: 17539

Sample Information:

Date Collected: 08/03/17

Time Collected: 11:00 AM

Remarks:

TEMPERATURE 83°F

BACTERIOLOGICAL ANALYSIS

BACTERIAL TEST	COLONIES PER 100 ML	DILUTION
TOTAL COLIFORM		
FECAL COLIFORM		
FECAL STREPTOCOCCUS		
E COLI	1.00	

CHEMICAL ANALYSIS

Chemical Test	METHOD	QUANTITY	UNIT
pH	SM 4500 H+B		
Specific Conductivity	SM 2510 B		umhos/cm.
Nitrate	ORION 601		mg/L.
Ammonia (as N)	SM 4500-NH_3-F		mg/L.
Chloride	SM 4500 CL-D		mg/L.
Total Phosphate	SM 4500-P-D		mg/L.
Ortho Phosphate	SM 4500-P-D		mg/L.
Dissolved Oxygen	SM 4500-O		mg/L.
BOD	SM 5210-B		mg/L.
Total Suspended Solids	SM 2540-D		mg/L.

Date/Time Received:	08/03/17	3:15 PM	
Received By:	KW		
Date Reported Out:	08/04/17	Reported Out By:	
Run Analyst:	KW	Read Analyst:	KW

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Marengo, Illinois

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Woodstock, Illinois

Michael Hill
Public Health Administrator

Source Address:

LAKE KILLARNEY - EAST

Collected By:

J LEVATO

LAB NUMBER	SHALLOW
RFS NUMBER	

Illinois Department of Public Health Registry Number: 17539

Sample Information:

Date Collected: 08/03/17

Time Collected: 11:10 AM

Remarks:

TEMPERATURE 83°F

BACTERIOLOGICAL ANALYSIS

BACTERIAL TEST	COLONIES PER 100 ML	DILUTION
TOTAL COLIFORM		
FECAL COLIFORM		
FECAL STREPTOCOCCUS		
E COLI	4.10	

CHEMICAL ANALYSIS

Chemical Test	METHOD	QUANTITY	UNIT
pH	SM 4500 H+B		
Specific Conductivity	SM 2510 B		umhos/cm.
Nitrate	ORION 601		mg/L.
Ammonia (as N)	SM 4500-NH_3-F		mg/L.
Chloride	SM 4500 CL-D		mg/L.
Total Phosphate	SM 4500-P-D		mg/L.
Ortho Phosphate	SM 4500-P-D		mg/L.
Dissolved Oxygen	SM 4500-O		mg/L.
BOD	SM 5210-B		mg/L.
Total Suspended Solids	SM 2540-D		mg/L.

Date/Time Received:	08/03/17	3:15 PM	
Received By:	KW		
Date Reported Out:	08/04/17	Reported Out By:	
Run Analyst:	KW	Read Analyst:	KW

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Promoting Better Health Since 1966

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Source Address:

LAKE KILLARNEY - EAST

Collected By:
J LEVATO

LAB NUMBER	DEEP
RFS NUMBER	

Illinois Department of Public Health Registry Number: 17539

Sample Information:

Date Collected: 08/03/17
Time Collected: 11:10 AM

Remarks:

TEMPERATURE 83°F

BACTERIOLOGICAL ANALYSIS

BACTERIAL TEST	COLONIES PER 100 ML	DILUTION
TOTAL COLIFORM		
FECAL COLIFORM		
FECAL STREPTOCOCCUS		
E COLI	6.30	

CHEMICAL ANALYSIS

Chemical Test	METHOD	QUANTITY	UNIT
pH	SM 4500 H+B		
Specific Conductivity	SM 2510 B		umhos/cm.
Nitrate	ORION 601		mg/L.
Ammonia (as N)	SM 4500-NH_3-F		mg/L.
Chloride	SM 4500 CL-D		mg/L.
Total Phosphate	SM 4500-P-D		mg/L.
Ortho Phosphate	SM 4500-P-D		mg/L.
Dissolved Oxygen	SM 4500-O		mg/L.
BOD	SM 5210-B		mg/L.
Total Suspended Solids	SM 2540-D		mg/L.

Date/Time Received:	08/03/17	3:15 PM	
Received By:	KW		
Date Reported Out:	08/04/17	Reported Out By:	
Run Analyst:	KW	Read Analyst:	KW

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Crystal Lake, Illinois

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Michael Hill
Public Health Administrator

Source Address:

CULVERT - INLET

Collected By:

J LEVATO

LAB NUMBER	080917-1
RFS NUMBER	

Illinois Department of Public Health Registry Number: 17539

Sample Information:

Date Collected: 08/09/17

Time Collected: 12:30 PM

Remarks:

BACTERIOLOGICAL ANALYSIS

BACTERIAL TEST	COLONIES PER 100 ML	DILUTION
TOTAL COLIFORM		
FECAL COLIFORM		
FECAL STREPTOCOCCUS		
E COLI	20.30	

CHEMICAL ANALYSIS

Chemical Test	METHOD	QUANTITY	UNIT
pH	SM 4500 H+B	7.57	
Specific Conductivity	SM 2510 B	1036	umhos/cm.
Nitrate	ORION 601		mg/L.
Ammonia (as N)	SM 4500-NH_3-F		mg/L.
Chloride	SM 4500 CL-D		mg/L.
Total Phosphate	SM 4500-P-D		mg/L.
Ortho Phosphate	SM 4500-P-D		mg/L.
Dissolved Oxygen	SM 4500-O		mg/L.
BOD	SM 5210-B		mg/L.
Total Suspended Solids	SM 2540-D		mg/L.

Date/Time Received:	08/09/17	4:00 PM	
Received By:	JL		
Date Reported Out:	08/10/17	Reported Out By:	
Run Analyst:	KW	Read Analyst:	KW

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Mary McCann
Woodstock, Illinois

Michael Hill
Public Health Administrator

Source Address:

CULVERT - OUTFALL

Collected By:

J LEVATO

LAB NUMBER	080917-2
RFS NUMBER	

Illinois Department of Public Health Registry Number: 17539

Sample Information:

Date Collected: 08/09/17

Time Collected: 12:35 PM

Remarks:

BACTERIOLOGICAL ANALYSIS

BACTERIAL TEST	COLONIES PER 100 ML	DILUTION
TOTAL COLIFORM		
FECAL COLIFORM		
FECAL STREPTOCOCCUS		
E COLI	34.10	

CHEMICAL ANALYSIS

Chemical Test	METHOD	QUANTITY	UNIT
pH	SM 4500 H+B	7.62	
Specific Conductivity	SM 2510 B	1035	umhos/cm.
Nitrate	ORION 601		mg/L.
Ammonia (as N)	SM 4500-NH_3-F		mg/L.
Chloride	SM 4500 CL-D		mg/L.
Total Phosphate	SM 4500-P-D		mg/L.
Ortho Phosphate	SM 4500-P-D		mg/L.
Dissolved Oxygen	SM 4500-O		mg/L.
BOD	SM 5210-B		mg/L.
Total Suspended Solids	SM 2540-D		mg/L.

Date/Time Received:	08/09/17	4:00 PM	
Received By:	JL		
Date Reported Out:	08/10/17	Reported Out By:	
Run Analyst:	KW	Read Analyst:	KW

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PDC Laboratories, Inc.
4314-A Crystal Lake Road
McHenry, IL 60050
815-344-4044

ANALYTICAL RESULTS

Sample: 7082434-01
Name: Culvert Inlet FC
Matrix: Surface Water - Grab
Sampled: 08/10/17 12:45
Received: 08/10/17 13:24

Parameter	Result	Unit	Qualifier	Prepared	Analyzed	Analyst	Method
Microbiology - CHI							
Fecal coliform bacteria	27	CFU/100 ml		08/10/17 15:50	08/10/17 15:50	PLJ	SM 9222D*

Sample: 7082434-02
Name: Culvert Inlet FS
Matrix: Surface Water - Grab
Sampled: 08/10/17 12:45
Received: 08/10/17 13:24

Parameter	Result	Unit	Qualifier	Prepared	Analyzed	Analyst	Method
Microbiology - CHI							
Fecal Streptococci	500	CFU/100 ml		08/10/17 16:10	08/10/17 16:10	PLJ	SM 9230C*

Sample: 7082434-03
Name: Killarney Acres West FC
Matrix: Surface Water - Grab
Sampled: 08/10/17 12:50
Received: 08/10/17 13:24

Parameter	Result	Unit	Qualifier	Prepared	Analyzed	Analyst	Method
Microbiology - CHI							
Fecal coliform bacteria	520	CFU/100 ml		08/10/17 15:50	08/10/17 15:50	PLJ	SM 9222D*

Sample: 7082434-04
Name: Killarney Acres West FS
Matrix: Surface Water - Grab
Sampled: 08/10/17 12:50
Received: 08/10/17 13:24

Parameter	Result	Unit	Qualifier	Prepared	Analyzed	Analyst	Method
Microbiology - CHI							
Fecal Streptococci	430	CFU/100 ml		08/10/17 16:10	08/10/17 16:10	PLJ	SM 9230C*