

Wisconsin Department of Natural Resources

Laboratory Report

11/29/2010

Lab: 113133790

Sample: IV010246

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Laboratory: Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53718

Phone : 800-442-4618

Fax Phone : 608-224-6213

Sample:

Field #: 1-DOWN

Sample #: IV010246

Collection Start: 10/26/2010 03:20 pm

Collection End:

Collected by: GRAHAM

Waterbody/Outfall Id:

ID #:

ID Point #:

County: 2

Account #: WT093

Sample Location: BUTTERNUT FIELD RUNOFF

Sample Description: DOWNSTREAM OF FIELD CULVERT

Sample Source: NP

Sample Depth:

Date Reported: 11/24/2010

Sample Status: COMPLETE

Project No:

Analyses and Results:

Analysis Method		Analysis Date	Lab Comment			
SUSPENDED SOLIDS (SM 2540D-MODIFIED)		11/01/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
530	RESIDUE TOTAL NFLT (TOTAL SUSPENDED SOLIDS)	14.	MG/L	2		7

Analysis Method		Analysis Date	Lab Comment			
TEMPERATURE ON RECEIPT-ICED		10/28/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
136	TEMPERATURE AT LAB	ICED	C		0	

Analysis Method		Analysis Date	Lab Comment			
NITRATE+NITRITE (AS N), DISS (EPA 353.2)		11/16/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
631	NITROGEN NO3+NO2 DISS (AS N)	0.055	MG/L	0.019		0.061

Analysis Method		Analysis Date	Lab Comment			
TOTAL KJELDAHL NITROGEN (AS N) (EPA 311/18/2010)						
Code	Description	Result	Units	LOD	Report Limit	LOQ
625	NITROGEN KJELDAHL TOTAL	10.8	MG/L	0.14		0.4

Analysis Method		Analysis Date	Lab Comment			
TOTAL PHOSPHORUS (AS P) (EPA 365.1)		11/10/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
665	PHOSPHORUS TOTAL	0.266	MG/L	0.005		0.016

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<i>Analysis Method</i>		<i>Analysis Date</i>		<i>Lab Comment</i>		
AMMONIA (AS N), DISS (EPA 350.1)		11/16/2010				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
608	NITROGEN NH3-N DISS	4.48	MG/L	0.015		0.048

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Laboratory: Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53718

Phone : 800-442-4618

Fax Phone : 608-224-6213

Sample:

Field #: 2-UP

Sample #: IV010247

Collection Start: 10/26/2010 03:25 pm

Collection End:

Collected by: GRAHAM

Waterbody/Outfall Id:

ID #:

ID Point #:

County: 2

Account #: WT093

Sample Location: BUTTERNUT FIELD RUNOFF

Sample Description: UPSTREAM AND SOUTH OF FIELD CULVERT

Sample Source: NP

Sample Depth:

Date Reported: 11/24/2010

Sample Status: COMPLETE

Project No:

Analyses and Results:

Analysis Method		Analysis Date	Lab Comment			
BOD 5 DAY (SM 5210B)		10/28/2010	MATRIX DUPLICATE QC EXCEEDED			
Code	Description	Result	Units	LOD	Report Limit	LOQ
310	BOD 5 DAY	*46.1	MG/L		2.0	

Analysis Method		Analysis Date	Lab Comment			
AMMONIA (AS N), DISS (EPA 350.1)		11/16/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	7.54	MG/L	0.015		0.048

Analysis Method		Analysis Date	Lab Comment			
NITRATE+NITRITE (AS N), DISS (EPA 353.2)		11/16/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
631	NITROGEN NO3+NO2 DISS (AS N)	0.043	MG/L	0.019		0.061

Analysis Method		Analysis Date	Lab Comment			
TOTAL KJELDAHL NITROGEN (AS N) (EPA 311/18/2010)						
Code	Description	Result	Units	LOD	Report Limit	LOQ
625	NITROGEN KJELDAHL TOTAL	15.7	MG/L	0.14		0.4

Analysis Method		Analysis Date	Lab Comment			
TOTAL PHOSPHORUS (AS P) (EPA 365.1)		11/10/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
665	PHOSPHORUS TOTAL	0.403	MG/L	0.005		0.016

Analysis Method		Analysis Date	Lab Comment			

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Sample: IV010247

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TEMPERATURE ON RECEIPT-ICED		10/28/2010				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
136	TEMPERATURE AT LAB	ICED	C		0	

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Lab: 113133790

Sample: IV010248

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Laboratory: Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53718

Phone : 800-442-4618

Fax Phone : 608-224-6213

Sample:

Field #: 3-CREEK

Sample #: IV010248

Collection Start: 10/26/2010 03:30 pm

Collection End:

Collected by: GRAHAM

Waterbody/Outfall Id:

ID #:

ID Point #:

County: 2

Account #: WT093

Sample Location: BUTTERNUT FIELD RUNOFF

Sample Description: INTERMITTENT STREAM BELOW CULVERT

Sample Source: NP

Sample Depth:

Date Reported: 11/24/2010

Sample Status: COMPLETE

Project No:

Analyses and Results:

Analysis Method		Analysis Date	Lab Comment			
AMMONIA (AS N), DISS (EPA 350.1)		11/16/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
608	NITROGEN NH3-N DISS	0.016	MG/L	0.015		0.048

Analysis Method		Analysis Date	Lab Comment			
NITRATE+NITRITE (AS N), DISS (EPA 353.2)		11/16/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
631	NITROGEN NO3+NO2 DISS (AS N)	ND	MG/L	0.019		0.061

Analysis Method		Analysis Date	Lab Comment			
TOTAL KJELDAHL NITROGEN (AS N) (EPA 311/18/2010)						
Code	Description	Result	Units	LOD	Report Limit	LOQ
625	NITROGEN KJELDAHL TOTAL	0.97	MG/L	0.14		0.4

Analysis Method		Analysis Date	Lab Comment			
TOTAL PHOSPHORUS (AS P) (EPA 365.1)		11/10/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
665	PHOSPHORUS TOTAL	0.065	MG/L	0.005		0.016

Analysis Method		Analysis Date	Lab Comment			
SUSPENDED SOLIDS (SM 2540D-MODIFIED)		11/01/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
530	RESIDUE TOTAL NFLT (TOTAL SUSPENDED SOLIDS)	4.	MG/L	2		7

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Sample: IV010248

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<i>Analysis Method</i>		<i>Analysis Date</i>		<i>Lab Comment</i>		
TEMPERATURE ON RECEIPT-ICED		10/28/2010				
<i>Code</i>	<i>Description</i>	<i>Result</i>	<i>Units</i>	<i>LOD</i>	<i>Report Limit</i>	<i>LOQ</i>
136	TEMPERATURE AT LAB	ICED	C		0	

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Sample: IV010249

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Laboratory: Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53718

Phone : 800-442-4618

Fax Phone : 608-224-6213

Sample:

Field #: 4-FIELD

Sample #: IV010249

Collection Start: 10/27/2010 12:00 am

Collection End:

Collected by: GRAHAM

Waterbody/Outfall Id:

ID #:

ID Point #:

County: 2

Account #: WT093

Sample Location: BUTTERNUT LAKE FIELD RUNOFF

Sample Description: UPSTREAM OF FIELD CULVERT - DAY 2

Sample Source: NP

Sample Depth: F0

Date Reported: 11/24/2010

Sample Status: COMPLETE

Project No:

Analyses and Results:

Analysis Method		Analysis Date	Lab Comment			
BOD 5 DAY (SM 5210B)		10/28/2010	DUPLICATE QC EXCEEDED, RESULT AVG OF 16.1 & 12.1			
Code	Description	Result	Units	LOD	Report Limit	LOQ
310	BOD 5 DAY	*14.1	MG/L		2.0	

Analysis Method		Analysis Date	Lab Comment			
SUSPENDED SOLIDS (SM 2540D-MODIFIED)		11/01/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
530	RESIDUE TOTAL NFLT (TOTAL SUSPENDED SOLIDS)	9.	MG/L	2		7

Analysis Method		Analysis Date	Lab Comment			
TEMPERATURE ON RECEIPT-ICED		10/28/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
136	TEMPERATURE AT LAB	ICED	C		0	

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Lab: 113133790

Sample: IV010250

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Laboratory: Wisconsin State Laboratory of Hygiene

DNR ID 113133790

2601 Agriculture Dr

Madison

WI 53718

Phone : 800-442-4618

Fax Phone : 608-224-6213

Sample:

Field #: S STREAM

Sample #: IV010250

Collection Start: 10/27/2010 12:00 am

Collection End:

Collected by: GRAHAM

Waterbody/Outfall Id:

ID #:

ID Point #:

County: 2

Account #: WT093

Sample Location: BUTTERNUT LAKE FIELD RUNOFF

Sample Description: INTERMITTENT STREAM - DAY 2

Sample Source: NP

Sample Depth: F0

Date Reported: 11/24/2010

Sample Status: COMPLETE

Project No:

Analyses and Results:

Analysis Method		Analysis Date	Lab Comment			
BOD 5 DAY (SM 5210B)		10/28/2010	MATRIX DUPLICATE QC EXCEEDED			
Code	Description	Result	Units	LOD	Report Limit	LOQ
310	BOD 5 DAY	*2.16	MG/L		2.0	

Analysis Method		Analysis Date	Lab Comment			
SUSPENDED SOLIDS (SM 2540D-MODIFIED)		11/01/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
530	RESIDUE TOTAL NFLT (TOTAL SUSPENDED SOLIDS)	3.	MG/L	2		7

Analysis Method		Analysis Date	Lab Comment			
TEMPERATURE ON RECEIPT-ICED		10/28/2010				
Code	Description	Result	Units	LOD	Report Limit	LOQ
136	TEMPERATURE AT LAB	ICED	C		0	