**SiteID:** WEM090-0003 USGS Hydrologic Unit: 051202070706 Stream Name: Vernon Fork Muscatatuck River County: Jackson Description: CR 600 South 38 47 36.72884 **Longitude**: -85 53 2.67155 Site Number: 21T-001 Drainage: IDEM Sample #: AB44694 SiteID: WEM090-0003 Sample Date: 11/16/2020 Water Depth ☐ Algae? Water Flow Type Run Water Appearance Brown ☐ Flow Estimated? ☐ Aquatic Life? Water Flow (cf/sec): Canopy Closed % 0-20% **Sampler Comments:** 

Lab ID #:	Result		Reporting Limit	<u>Method</u>
% Sat	77.2	%		ASTM D888-09(C)
DO	8.66	mg/L		ASTM D888-09(C)
pH (Field)	7.94	SU		EPA 150.2
Specific Conductance (Field)	391	umho/cm		SM2510B
Temperature	9.7	°C		SM2550B(2)
Turbidity (Hach)	11	NTU		EPA 180.1
Air Temp	2	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	0	Lookup		Observation
Wind Strength	2	Lookup		Observation

<b>Lab ID #</b> : 500-191243-7	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	160	mg/L	5	SM2320B
Chloride	15	mg/L	5	EPA 300.0
Hardness (as CaCO3)	190	mg/L	0.91	SM2340B
Solids, Suspended Total, (TSS)	4.3	mg/L	5	I-3765-85
Solids, Total (TS)	300	mg/L	30	SM2540B
Solids, Total Dissolved (TDS)	250	mg/L	30	SM2540C
Sulfate	19	mg/L	5	EPA 300.0
Calcium (Total)	54	mg/L	0.2	EPA 200.7
Magnesium (Total)	13	mg/L	0.1	EPA 200.7
COD	18	mg/L	10	SM5220C
Nitrogen, Ammonia	0.11	mg/L	0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	0.53	mg/L	0.1	SM4500NO3-F
Phosphorus, Total	0.12	mg/L	0.05	SM4500P-E
TKN	0.44	mg/L	0.4	SM4500N(Org)-D
TOC	4.6	mg/L	1	SM5310C

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SiteID: WEM090-0003	<b>Sample Date:</b> 12/15/2020	IDEM Samp	le #: AB44913	
Water Flow Type Run	Water Appearance	Murky	Water Depth	☐ Algae?
Water Flow (cf/sec):	☐ Flow Estimated?	☐ Aquatic Life?	Canopy Closed %	0-20%
Sampler Comments:				
Lab ID #:		Result	Reporting Limit	<u>Method</u>
% Sat		87.5 %		ASTM D888-09(C)
DO		11.21 mg/L		ASTM D888-09(C)
pH (Field)		7.92 SU		EPA 150.2
Specific Conductance (Field)		404 umho/cm		SM2510B
Temperature		4.8 °C		SM2550B(2)
Turbidity (Hach)		8.09 NTU		EPA 180.1
Air Temp		2 Lookup		Observation
Sky Conditions		1 Lookup		Observation
Wind Direction		0 Lookup		Observation
Wind Strength		1 Lookup		Observation
<b>Lab ID #</b> : 500-192616-7		Result	Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)		160 mg/L	5	SM2320B
Chloride		17 mg/L	1	EPA 300.0
Hardness (as CaCO3)		190 mg/L	0.91	SM2340B
Solids, Suspended Total, (TSS)		3.5 mg/L	5	SM2540D
Solids, Total (TS)		270 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)		180 mg/L	10	SM2540C
Sulfate		23 mg/L	1	EPA 300.0
Calcium (Total)		56 mg/L	0.2	EPA 200.7
Magnesium (Total)		13 mg/L	0.1	EPA 200.7
COD		13 mg/L	10	SM5220C
Nitrogen, Ammonia		0.13 mg/L	0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite		1.2 mg/L	0.1	SM4500NO3-F
Phosphorus, Total		0.076 mg/L	0.05	SM4500P-E
TKN		0.65 mg/L	0.4	SM4500N(Org)-D
TOC		3 mg/L	1	SM5310C

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SiteID: WEM090-0003 Sample Date: 1/11/2021 IDEM Sample #: AB45031 Murky Water Depth ☐ Algae? Water Flow Type Run Water Appearance ☐ Flow Estimated? ■ Aquatic Life? Water Flow (cf/sec): Canopy Closed % 0-20% **Sampler Comments:** Lab ID #: Result **Reporting Limit Method** 92.2 % ASTM D888-09(C) % Sat DO 12.78 mg/L ASTM D888-09(C) pH (Field) 8.07 SU EPA 150.2 Specific Conductance (Field) 365 umho/cm SM2510B Temperature 2 °C SM2550B(2) Turbidity (Hach) 20 NTU EPA 180.1 Air Temp 1 Lookup Observation Sky Conditions 4 Lookup Observation Wind Direction 0 Lookup Observation Wind Strength 1 Lookup Observation Lab ID #: 500-193651-7 Result **Reporting Limit Method** Alkalinity (as CaCO3) 140 mg/L 5 SM2320B Chloride 15 mg/L 1 EPA 300.0 Hardness (as CaCO3) 170 mg/L 0.91 SM2340B Solids, Suspended Total, (TSS) 11 mg/L 5 SM2540D Solids, Total (TS) 210 mg/L 10 SM2540B SM2540C Solids, Total Dissolved (TDS) 260 mg/L 10 Sulfate 20 mg/L 1 EPA 300.0 50 mg/L Calcium (Total) 0.2 EPA 200.7 Magnesium (Total) 12 mg/L 0.1 EPA 200.7 COD 16 mg/L 10 SM5220C Nitrogen, Ammonia 0.15 mg/L 0.2 SM4500NH3-G Nitrogen, Nitrate+Nitrite 1.7 mg/L 0.1 SM4500NO3-F Phosphorus, Total 0.12 mg/L 0.05 SM4500P-E 0.64 mg/L 0.4 SM4500N(Org)-D TKN TOC SM5310C 3.8 mg/L 1

		W	eather Code Def	initions	
S	SC .		WD	WS	AT
Sky Co	nditions	1	Wind Direction	Wind Strength	Air Temp
1 - Clear	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - Scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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 SiteID:
 WEM-07-0011
 USGS Hydrologic Unit:
 051202070706

 Stream Name:
 Vernon Fork Muscatatuck River
 County:
 Jackson

**Description:** SR 250 **Latitude:** 38 50 40.76670 **Longitude:** -85 51 25.82418

Drainage: Site Number: 21T-004

**SiteID:** WEM-07-0011 **Sample Date:** 11/16/2020 **IDEM Sample #:** AB44693

Water Flow Type Glide Water Appearance Brown Water Depth Algae?

Water Flow (cf/sec): 

Flow Estimated? 

Aquatic Life? 

Canopy Closed % 0-20%

Sampler Comments: low flow

<u>Result</u>	Reporting Limit	<u>Method</u>
26.2 %		ASTM D888-09(C)
2.97 mg	g/L	ASTM D888-09(C)
7.58 SI	J	EPA 150.2
410 un	nho/cm	SM2510B
9.2 °C		SM2550B(2)
16.2 N	ΓU	EPA 180.1
3 Lo	okup	Observation
1 Lo	okup	Observation
0 Lo	okup	Observation
0 Lo	okup	Observation
Result	Reporting Limit	<u>Method</u>
170 mg	g/L 5	SM2320B
18 mg	g/L 5	EPA 300.0
190 mg	g/L 0.91	SM2340B
4 mg	g/L 5	I-3765-85
320 mg	g/L 30	SM2540B
330 mg	g/L 30	SM2540C
16 mg	g/L 5	EPA 300.0
54 mg	g/L 0.2	EPA 200.7
14 mg	g/L 0.1	EPA 200.7
25 mg	g/L 10	SM5220C
0.13 mg	g/L 0.2	SM4500NH3-G
0.96 mg	a/L 0.1	SM4500NO3-F
	26.2 % 2.97 mg 7.58 SL 410 um 9.2 °C 16.2 NT 3 Lo 1 Lo 0 Lo Co Result  170 mg 18 mg 190 mg 4 mg 320 mg 330 mg 16 mg 54 mg 14 mg 25 mg 0.13 mg	26.2 % 2.97 mg/L 7.58 SU 410 umho/cm 9.2 °C 16.2 NTU 3 Lookup 1 Lookup 0 Lookup 0 Lookup 8 Megult 170 mg/L 18 mg/L 190 mg/L 4 mg/L 320 mg/L 330 mg/L 330 mg/L 30 330 mg/L 30 16 mg/L 5 4 mg/L 5 54 mg/L 0.2 14 mg/L 0.1 25 mg/L 0.1

0.27 mg/L

0.77 mg/L

7.6 mg/L

0.05

0.4

1

SM4500P-E

SM4500N(Org)-D

SM5310C

		W	eather Code Def	initions	
S	C		WD	WS	AT
Sky Co	nditions	1	Wind Direction	Wind Strength	Air Temp
1 - Clear	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - Scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

Phosphorus, Total

TKN

TOC

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☐ Flow Estimated?

**SiteID:** WEM070-0039 USGS Hydrologic Unit: 051202070705 County: Jennings Stream Name: Vernon Fork Muscatatuck River 38 54 39.57440 **Longitude:** Description: CR 500 South -85 43 48.30341 Drainage: 233.46 Site Number: 21T-008 IDEM Sample #: AB44908 SiteID: WEM070-0039 Sample Date: 12/15/2020 Clear Water Depth ☐ Algae? Water Flow Type Run Water Appearance

☐ Aquatic Life?

Canopy Closed % 0-20%

Water Flow (cf/sec): Sampler Comments:

Lab ID #:	Result	Reporting Limit	<u>Method</u>
% Sat	90.4 %		ASTM D888-09(C)
DO	11.83 mg/L		ASTM D888-09(C)
pH (Field)	7.99 SU		EPA 150.2
Specific Conductance (Field)	428 umho/cm	1	SM2510B
Temperature	4 °C		SM2550B(2)
Turbidity (Hach)	5.27 NTU		EPA 180.1
Air Temp	2 Lookup		Observation
Sky Conditions	1 Lookup		Observation
Wind Direction	0 Lookup		Observation
Wind Strength	0 Lookup		Observation
L <b>ab ID #</b> : 500-192616-2	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	170 mg/L	5	SM2320B
Chloride	17 mg/L	1	EPA 300.0
Hardness (as CaCO3)	210 mg/L	0.91	SM2340B
Solids, Suspended Total, (TSS)	2.5 mg/L	5	SM2540D
Solids, Total (TS)	260 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)	210 mg/L	10	SM2540C
Sulfate	23 mg/L	1	EPA 300.0
Calcium (Total)	61 mg/L	0.2	EPA 200.7
Magnesium (Total)	15 mg/L	0.1	EPA 200.7
COD		4.0	SM5220C
COD	9.3 mg/L	10	SIVI3220C
Nitrogen, Ammonia	9.3 mg/L < 0.2 mg/L	10 0.2	SM4500NH3-G
	•		
Nitrogen, Ammonia	< 0.2 mg/L	0.2	SM4500NH3-G
Nitrogen, Ammonia Nitrogen, Nitrate+Nitrite	< 0.2 mg/L 1.7 mg/L	0.2 0.1	SM4500NH3-G SM4500NO3-F

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SiteID: WEM070-0039 Sample Date: 1/11/2021 IDEM Sample #: AB45026 **Water Appearance** Clear Water Depth ☐ Algae? Water Flow Type Run ☐ Flow Estimated? ☐ Aquatic Life? Water Flow (cf/sec): Canopy Closed % 0-20% **Sampler Comments:** Lab ID #: Result **Reporting Limit Method** 94 % ASTM D888-09(C) % Sat DO 12.9 mg/L ASTM D888-09(C) pH (Field) 7.99 SU EPA 150.2 Specific Conductance (Field) 410 umho/cm SM2510B Temperature 2.2 °C SM2550B(2) Turbidity (Hach) 12.9 NTU EPA 180.1 Air Temp 1 Lookup Observation Sky Conditions 4 Lookup Observation Wind Direction 0 Lookup Observation Wind Strength 1 Lookup Observation Lab ID #: 500-193651-2 Result **Reporting Limit Method** Alkalinity (as CaCO3) 160 mg/L 5 SM2320B Chloride 14 mg/L 1 EPA 300.0 Hardness (as CaCO3) 210 mg/L 0.91 SM2340B Solids, Suspended Total, (TSS) 4 mg/L 5 SM2540D Solids, Total (TS) 250 mg/L 10 SM2540B SM2540C Solids, Total Dissolved (TDS) 270 mg/L 10 Sulfate 20 mg/L 1 EPA 300.0 Calcium (Total) 62 mg/L 0.2 EPA 200.7 Magnesium (Total) 14 mg/L 0.1 EPA 200.7 COD 13 mg/L 10 SM5220C Nitrogen, Ammonia < 0.2 mg/L 0.2 SM4500NH3-G Nitrogen, Nitrate+Nitrite 1.6 mg/L 0.1 SM4500NO3-F Phosphorus, Total 0.087 mg/L 0.05 SM4500P-E 0.48 mg/L 0.4 SM4500N(Org)-D TKN TOC SM5310C 2.8 mg/L 1

		W	eather Code Def	initions	
S	SC .		WD	WS	AT
Sky Co	nditions	1	Wind Direction	Wind Strength	Air Temp
1 - Clear	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - Scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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**SiteID:** WEM070-0020 USGS Hydrologic Unit: 051202070705 Stream Name: Vernon Fork Muscatatuck River County: Jackson Description: US 31 38 54 21.96418 **Longitude**: -85 49 15.82271 Drainage: 291.14 Site Number: 21T-009 Sample Date: IDEM Sample #: AB44691 SiteID: WEM070-0020 11/16/2020 Murky Water Depth ☐ Algae? Water Flow Type Glide Water Appearance ☐ Flow Estimated? ☐ Aquatic Life? Water Flow (cf/sec): Canopy Closed % 0-20%

**Sampler Comments:** 

Lab ID #:	Result	Reporting Limit	<u>Method</u>
% Sat	73.3 %		ASTM D888-09(C)
DO	8.46 mg/l	L	ASTM D888-09(C)
pH (Field)	7.62 SU		EPA 150.2
Specific Conductance (Field)	400 umh	no/cm	SM2510B
Temperature	9.1 °C		SM2550B(2)
Turbidity (Hach)	11.3 NTU	J	EPA 180.1
Air Temp	3 Look	kup	Observation
Sky Conditions	1 Look	kup	Observation
Wind Direction	0 Look	kup	Observation
Wind Strength	2 Lool	kup	Observation
<b>Lab ID #</b> : 500-191243-4	<u>Result</u>	Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	160 mg/l	L 5	SM2320B
Chloride	14 mg/l	L 5	EPA 300.0
Hardness (as CaCO3)	190 mg/l	L 0.91	SM2340B
Solids, Suspended Total, (TSS)	4.3 mg/l	L 5	I-3765-85
Solids, Total (TS)	320 mg/l	L 30	SM2540B
Solids, Total Dissolved (TDS)	270 mg/l	L 30	SM2540C
Sulfate	23 mg/l	L 5	EPA 300.0
Calcium (Total)	57 mg/l	L 0.2	EPA 200.7
Magnesium (Total)	13 mg/l	L 0.1	EPA 200.7
COD	7.1 mg/l	L 10	SM5220C
Nitrogen, Ammonia	< 0.2 mg/l	L 0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	0.88 mg/l	L 0.1	SM4500NO3-F
Phosphorus, Total	0.097 mg/l	L 0.05	SM4500P-E
TKN	0.66 mg/l	L 0.4	SM4500N(Org)-D
TOC	3.8 mg/l	L 1	SM5310C

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SiteID: WEM070-0020	<b>Sample Date:</b> 12/15/2020	IDEM Samp	<b>le #:</b> AB44911	
Water Flow Type Glide	Water Appearance	Murky	Water Depth	☐ Algae?
Water Flow (cf/sec):	☐ Flow Estimated?	☐ Aquatic Life?	Canopy Closed %	0-20%
Sampler Comments:				
Lab ID #:		Result	Reporting Limit	<u>Method</u>
% Sat		87.2 %		ASTM D888-09(C)
DO		11.19 mg/L		ASTM D888-09(C)
pH (Field)		7.81 SU		EPA 150.2
Specific Conductance (Field)		415 umho/cm		SM2510B
Temperature		4.7 °C		SM2550B(2)
Turbidity (Hach)		7.52 NTU		EPA 180.1
Air Temp		2 Lookup		Observation
Sky Conditions		1 Lookup		Observation
Wind Direction		0 Lookup		Observation
Wind Strength		2 Lookup		Observation
<b>Lab ID #</b> : 500-192616-5		Result	Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)		170 mg/L	5	SM2320B
Chloride		17 mg/L	1	EPA 300.0
Hardness (as CaCO3)		210 mg/L	0.91	SM2340B
Solids, Suspended Total, (TSS)		3.5 mg/L	5	SM2540D
Solids, Total (TS)		260 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)		170 mg/L	10	SM2540C
Sulfate		26 mg/L	1	EPA 300.0
Calcium (Total)		60 mg/L	0.2	EPA 200.7
Magnesium (Total)		14 mg/L	0.1	EPA 200.7
COD		8.8 mg/L	10	SM5220C
Nitrogen, Ammonia		< 0.2 mg/L	0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite		1.4 mg/L	0.1	SM4500NO3-F
Phosphorus, Total		0.067 mg/L	0.05	SM4500P-E
TKN		0.57 mg/L	0.4	SM4500N(Org)-D
TOC		2.6 mg/L	1	SM5310C

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SiteID: WEM070-0020 Sample Date: 1/11/2021 IDEM Sample #: AB45029 Murky Water Depth ☐ Algae? **Water Flow Type** Glide Water Appearance ☐ Flow Estimated? ☐ Aquatic Life? Water Flow (cf/sec): Canopy Closed % 0-20% **Sampler Comments:** Lab ID #: Result **Reporting Limit Method** 90.7 % ASTM D888-09(C) % Sat DO 12.52 mg/L ASTM D888-09(C) pH (Field) 7.74 SU EPA 150.2 Specific Conductance (Field) 388 umho/cm SM2510B Temperature 2 °C SM2550B(2) Turbidity (Hach) 9.29 NTU EPA 180.1 Air Temp 1 Lookup Observation Sky Conditions 4 Lookup Observation Wind Direction 0 Lookup Observation Wind Strength 1 Lookup Observation Lab ID #: 500-193651-5 Result **Reporting Limit Method** Alkalinity (as CaCO3) 150 mg/L 5 SM2320B Chloride 14 mg/L 1 EPA 300.0 Hardness (as CaCO3) 210 mg/L 0.91 SM2340B Solids, Suspended Total, (TSS) 5.5 mg/L 5 SM2540D Solids, Total (TS) 260 mg/L 10 SM2540B Solids, Total Dissolved (TDS) 230 mg/L 10 SM2540C Sulfate 22 mg/L 1 EPA 300.0 Calcium (Total) 61 mg/L 0.2 EPA 200.7 Magnesium (Total) 14 mg/L 0.1 EPA 200.7 COD 13 mg/L 10 SM5220C Nitrogen, Ammonia 0.17 mg/L 0.2 SM4500NH3-G Nitrogen, Nitrate+Nitrite 1.9 mg/L 0.1 SM4500NO3-F Phosphorus, Total 0.093 mg/L 0.05 SM4500P-E 0.49 mg/L 0.4 SM4500N(Org)-D TKN TOC SM5310C 3.1 mg/L 1

		W	eather Code Def	initions	
S	SC .		WD	WS	AT
Sky Co	nditions	1	Wind Direction	Wind Strength	Air Temp
1 - Clear	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32
2 - Scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75
5 - Mist				4 - Mod./Strong	5 - 76-85
6 - Fog				5 - Strong	6 - > 86
7 - Shower				6 - Gale	

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**SiteID:** WEM090-0015 USGS Hydrologic Unit: 051202070706 Stream Name: Vernon Fork Muscatatuck River County: Jackson Description: CR 50 North 38 53 18.85460 **Longitude**: -85 51 6.07579 Drainage: 363.63 Site Number: 21T-010 IDEM Sample #: AB44692 SitelD: WEM090-0015 Sample Date: 11/16/2020 Water Depth ☐ Algae? Water Flow Type Run Water Appearance Murky ☐ Flow Estimated? ☐ Aquatic Life? Water Flow (cf/sec): Canopy Closed % 0-20%

**Sampler Comments:** 

Lab ID #:	Result	Reporting Limit	<u>Method</u>
% Sat	75 %		ASTM D888-09(C)
DO	8.66 mg	/L	ASTM D888-09(C)
pH (Field)	7.86 SU		EPA 150.2
Specific Conductance (Field)	394 um	ho/cm	SM2510B
Temperature	9 °C		SM2550B(2)
Turbidity (Hach)	13 NT	U	EPA 180.1
Air Temp	3 Loc	okup	Observation
Sky Conditions	1 Loc	okup	Observation
Wind Direction	0 Loc	okup	Observation
Wind Strength	0 Loc	kup	Observation
Lab ID #: 500-191243-5	Result	Reporting Limit	Method
Alkalinity (as CaCO3)	160 mg	/L 5	SM2320B
Chloride	16 mg	/L 5	EPA 300.0
Hardness (as CaCO3)	190 mg	/L 0.91	SM2340B
Solids, Suspended Total, (TSS)	6 mg	/L 5	I-3765-85
Solids, Total (TS)	300 mg	/L 30	SM2540B
Solids, Total Dissolved (TDS)	260 mg	/L 30	SM2540C
Sulfate	19 mg	/L 5	EPA 300.0
Calcium (Total)	55 mg	/L 0.2	EPA 200.7
Magnesium (Total)	13 mg	/L 0.1	EPA 200.7
COD	16 mg	/L 10	SM5220C
Nitrogen, Ammonia	0.13 mg	/L 0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	0.5 mg	/L 0.1	SM4500NO3-F
, , , , , , , , , , , , , , , , , , , ,		"	CM4500D F
Phosphorus, Total	0.098 mg	/L 0.05	SM4500P-E
G ·	0.098 mg 0.59 mg		SM4500P-E SM4500N(Org)-D

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<b>SiteID:</b> WEM090-0015	Sample Date: 12/15/2020	IDEM Samp	le #: AB44912	
Water Flow Type Run	Water Appearance	Murky	Water Depth	☐ Algae?
Water Flow (cf/sec):	☐ Flow Estimated?	Aquatic Life?	Canopy Closed %	0-20%
Sampler Comments:				
Lab ID #:		<u>Result</u>	Reporting Limit	<u>Method</u>
% Sat		85.7 %		ASTM D888-09(C)
DO		11.05 mg/L		ASTM D888-09(C)
pH (Field)		7.89 SU		EPA 150.2
Specific Conductance (Field)		413 umho/cm		SM2510B
Temperature		4.5 °C		SM2550B(2)
Turbidity (Hach)		7.81 NTU		EPA 180.1
Air Temp		2 Lookup		Observation
Sky Conditions		1 Lookup		Observation
Wind Direction		0 Lookup		Observation
Wind Strength		1 Lookup		Observation
<b>Lab ID #</b> : 500-192616-6		Result	Reporting Limit	Method
Alkalinity (as CaCO3)		160 mg/L	5	SM2320B
Chloride		17 mg/L	1	EPA 300.0
Hardness (as CaCO3)		210 mg/L	0.91	SM2340B
Solids, Suspended Total, (TSS)		3.5 mg/L	5	SM2540D
Solids, Total (TS)		270 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)		170 mg/L	10	SM2540C
Sulfate		25 mg/L	1	EPA 300.0
Calcium (Total)		59 mg/L	0.2	EPA 200.7
Magnesium (Total)		14 mg/L	0.1	EPA 200.7
COD		12 mg/L	10	SM5220C
Nitrogen, Ammonia		0.14 mg/L	0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite		1.2 mg/L	0.1	SM4500NO3-F
Phosphorus, Total		0.071 mg/L	0.05	SM4500P-E
TKN		0.57 mg/L	0.4	SM4500N(Org)-D
TOC		2.9 mg/L	1	SM5310C

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SiteID: WEM090-0015 Sample Date: 1/11/2021 IDEM Sample #: AB45030 Murky Water Depth ☐ Algae? Water Flow Type Run Water Appearance ☐ Flow Estimated? ■ Aquatic Life? Water Flow (cf/sec): Canopy Closed % 0-20% **Sampler Comments:** Lab ID #: Result **Reporting Limit Method** 89.3 % ASTM D888-09(C) % Sat DO 12.43 mg/L ASTM D888-09(C) pH (Field) 8.06 SU EPA 150.2 Specific Conductance (Field) 377 umho/cm SM2510B Temperature 1.8 °C SM2550B(2) Turbidity (Hach) 15.8 NTU EPA 180.1 Air Temp 1 Lookup Observation Sky Conditions 4 Lookup Observation Wind Direction 0 Lookup Observation Wind Strength 1 Lookup Observation Lab ID #: 500-193651-6 Result **Reporting Limit Method** Alkalinity (as CaCO3) 140 mg/L 5 SM2320B Chloride 16 mg/L 1 EPA 300.0 Hardness (as CaCO3) 180 mg/L 0.91 SM2340B Solids, Suspended Total, (TSS) 8.5 mg/L 5 SM2540D Solids, Total (TS) 240 mg/L 10 SM2540B Solids, Total Dissolved (TDS) 270 mg/L 10 SM2540C Sulfate 21 mg/L 1 EPA 300.0 Calcium (Total) 51 mg/L 0.2 EPA 200.7 Magnesium (Total) 12 mg/L 0.1 EPA 200.7 COD 11 mg/L 10 SM5220C Nitrogen, Ammonia 0.17 mg/L 0.2 SM4500NH3-G Nitrogen, Nitrate+Nitrite 1.8 mg/L 0.1 SM4500NO3-F Phosphorus, Total 0.11 mg/L 0.05 SM4500P-E 0.43 mg/L 0.4 SM4500N(Org)-D TKN TOC SM5310C 3.6 mg/L 1

Weather Code Definitions							
SC			WD	WS	AT		
Sky Co	nditions	1	Wind Direction	Wind Strength	Air Temp		
1 - Clear	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32		
2 - Scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45		
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60		
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75		
5 - Mist				4 - Mod./Strong	5 - 76-85		
6 - Fog				5 - Strong	6 - > 86		
7 - Shower				6 - Gale			

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 SiteID:
 WEM080-0013
 USGS Hydrologic Unit:
 051202070703

 Stream Name:
 Storm Creek Ditch
 County:
 Jackson

 Description:
 CR 400 North
 Latitude:
 38
 56
 25.99130
 Longitude:
 -85
 48
 21.34228

 Drainage:
 18.19
 Site Number:
 21T-016
 21T-016
 21T-016

**SiteID:** WEM080-0013 **Sample Date:** 11/16/2020 **IDEM Sample #:** AB44689

Water Flow Type Run Water Appearance Murky Water Depth Algae?

Water Flow (cf/sec): 

Flow Estimated? 

Aquatic Life? Canopy Closed % 0-20%

**Sampler Comments:** 

Lab ID #:	Result		Reporting Limit	<u>Method</u>
% Sat	40.6	%		ASTM D888-09(C)
DO	4.66	mg/L		ASTM D888-09(C)
pH (Field)	7.64	SU		EPA 150.2
Specific Conductance (Field)	417	umho/cm		SM2510B
Temperature	9.2	°C		SM2550B(2)
Turbidity (Hach)	8.55	NTU		EPA 180.1
Air Temp	3	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	0	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #</b> : 500-191243-2	Result		Reporting Limit	Method
Alkalinity (as CaCO3)	180	mg/L	10	SM2320B
Chloride	15	mg/L	5	EPA 300.0
Hardness (as CaCO3)	180	mg/L	0.91	SM2340B
Solids, Suspended Total, (TSS)	3	mg/L	5	I-3765-85
Solids, Total (TS)	340	mg/L	30	SM2540B
Solids, Total Dissolved (TDS)	290	mg/L	30	SM2540C
Sulfate	16	mg/L	5	EPA 300.0
Calcium (Total)	50	mg/L	0.2	EPA 200.7
Magnesium (Total)	13	mg/L	0.1	EPA 200.7
COD	19	mg/L	10	SM5220C
Nitrogen, Ammonia	0.17	mg/L	0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	0.33	mg/L	0.1	SM4500NO3-F
Phosphorus, Total	0.096	mg/L	0.05	SM4500P-E
TKN	0.49	mg/L	0.4	SM4500N(Org)-D
TOC	5.5	mg/L	1	SM5310C

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SiteID: WEM080-0013	<b>Sample Date:</b> 12/15/2020	IDEM Samp	le #: AB44910	
Water Flow Type Run	Water Appearance	Murky	Water Depth	☐ Algae?
Water Flow (cf/sec):	☐ Flow Estimated?	☐ Aquatic Life?	Canopy Closed %	0-20%
Sampler Comments:				
Lab ID #:		<u>Result</u>	Reporting Limit	<u>Method</u>
% Sat		72.6 %		ASTM D888-09(C)
DO		9.23 mg/L		ASTM D888-09(C)
pH (Field)		7.84 SU		EPA 150.2
Specific Conductance (Field)		392 umho/cm		SM2510B
Temperature		4.9 °C		SM2550B(2)
Turbidity (Hach)		9.2 NTU		EPA 180.1
Air Temp		2 Lookup		Observation
Sky Conditions		1 Lookup		Observation
Wind Direction		0 Lookup		Observation
Wind Strength		1 Lookup		Observation
<b>Lab ID #</b> : 500-192616-4		Result	Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)		140 mg/L	5	SM2320B
Chloride		15 mg/L	1	EPA 300.0
Hardness (as CaCO3)		170 mg/L	0.91	SM2340B
Solids, Suspended Total, (TSS)		4 mg/L	5	SM2540D
Solids, Total (TS)		270 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)		120 mg/L	10	SM2540C
Sulfate		23 mg/L	1	EPA 300.0
Calcium (Total)		47 mg/L	0.2	EPA 200.7
Magnesium (Total)		13 mg/L	0.1	EPA 200.7
COD		16 mg/L	10	SM5220C
Nitrogen, Ammonia		0.11 mg/L	0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite		0.68 mg/L	0.1	SM4500NO3-F
Phosphorus, Total		0.098 mg/L	0.05	SM4500P-E
TKN		0.68 mg/L	0.4	SM4500N(Org)-D
TOC		4.8 mg/L	1	SM5310C

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SiteID: WEM080-0013 Sample Date: 1/11/2021 IDEM Sample #: AB45028 Water Depth ☐ Algae? Water Flow Type Run Water Appearance Brown ☐ Flow Estimated? ■ Aquatic Life? Water Flow (cf/sec): Canopy Closed % 0-20% **Sampler Comments:** Lab ID #: Result **Reporting Limit Method** 70.6 % ASTM D888-09(C) % Sat DO 9.8 mg/L ASTM D888-09(C) pH (Field) 7.84 SU EPA 150.2 Specific Conductance (Field) 252 umho/cm SM2510B Temperature 1.8 °C SM2550B(2) Turbidity (Hach) 9.93 NTU EPA 180.1 Air Temp 1 Lookup Observation Sky Conditions 4 Lookup Observation Wind Direction 0 Lookup Observation Wind Strength 1 Lookup Observation Lab ID #: 500-193651-4 Result **Reporting Limit Method** Alkalinity (as CaCO3) 90 mg/L 5 SM2320B Chloride 9.5 mg/L 1 EPA 300.0 Hardness (as CaCO3) 110 mg/L 0.91 SM2340B Solids, Suspended Total, (TSS) 6 mg/L 5 SM2540D Solids, Total (TS) 160 mg/L 10 SM2540B Solids, Total Dissolved (TDS) 200 mg/L 10 SM2540C Sulfate 17 mg/L 1 EPA 300.0 Calcium (Total) 30 mg/L 0.2 EPA 200.7 Magnesium (Total) 8.3 mg/L 0.1 EPA 200.7 COD 29 mg/L 10 SM5220C Nitrogen, Ammonia 0.1 mg/L 0.2 SM4500NH3-G Nitrogen, Nitrate+Nitrite 0.52 mg/L 0.1 SM4500NO3-F Phosphorus, Total 0.12 mg/L 0.05 SM4500P-E 0.67 mg/L 0.4 SM4500N(Org)-D TKN TOC SM5310C 7.9 mg/L 1

Weather Code Definitions							
SC Sky Conditions		,	WD Wind Direction	WS Wind Strength	AT Air Temp		
1 - Clear	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32		
2 - Scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45		
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60		
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75		
5 - Mist				4 - Mod./Strong	5 - 76-85		
6 - Fog				5 - Strong	6 - > 86		
7 - Shower				6 - Gale			

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SiteID: WEM-07-0017 USGS Hydrologic Unit: 051202070702 County: Jennings Stream Name: Sixmile Creek Description: CR 500 South 38 54 40.15219 **Longitude**: -85 45 44.37870 Site Number: 21T-019 Drainage: Sample Date: IDEM Sample #: AB44690 SiteID: WEM-07-0017 11/16/2020 Clear Water Depth ☐ Algae? Water Flow Type Run Water Appearance ☐ Flow Estimated? ☐ Aquatic Life? Water Flow (cf/sec): Canopy Closed % 0-20% **Sampler Comments:** 

Lab ID #:	Result		Reporting Limit	Method
 % Sat	86.5	%		ASTM D888-09(C)
DO	10.35	mg/L		ASTM D888-09(C)
pH (Field)	8.09	SU		EPA 150.2
Specific Conductance (Field)	372	umho/cm		SM2510B
Temperature	8.2	°C		SM2550B(2)
Turbidity (Hach)	5.84	NTU		EPA 180.1
Air Temp	3	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	0	Lookup		Observation
Wind Strength	1	Lookup		Observation

<b>Lab ID #</b> : 500-191243-3	Result	Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	110 mg/L	5	SM2320B
Chloride	17 mg/L	5	EPA 300.0
Hardness (as CaCO3)	150 mg/L	0.91	SM2340B
Solids, Suspended Total, (TSS)	< 5 mg/L	5	I-3765-85
Solids, Total (TS)	320 mg/L	30	SM2540B
Solids, Total Dissolved (TDS)	380 mg/L	30	SM2540C
Sulfate	48 mg/L	5	EPA 300.0
Calcium (Total)	43 mg/L	0.2	EPA 200.7
Magnesium (Total)	11 mg/L	0.1	EPA 200.7
COD	17 mg/L	10	SM5220C
Nitrogen, Ammonia	0.12 mg/L	0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	0.66 mg/L	0.1	SM4500NO3-F
Phosphorus, Total	0.12 mg/L	0.05	SM4500P-E
TKN	0.7 mg/L	0.4	SM4500N(Org)-D
TOC	4.7 mg/L	1	SM5310C

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SiteID: WEM-07-0017	<b>Sample Date:</b> 12/15/2020	IDEM Samp	le #: AB44909	
Water Flow Type Run	Water Appearance	Clear	Water Depth	☐ Algae?
Water Flow (cf/sec):	☐ Flow Estimated?	☐ Aquatic Life?	Canopy Closed %	0-20%
Sampler Comments:				
			<b>-</b>	
Lab ID #:		Result	Reporting Limit	<u>Method</u>
% Sat		94.7 %		ASTM D888-09(C)
DO		13.01 mg/L		ASTM D888-09(C)
pH (Field)		7.99 SU		EPA 150.2
Specific Conductance (Field)		373 umho/cm		SM2510B
Temperature		2.2 °C		SM2550B(2)
Turbidity (Hach)		8.71 NTU		EPA 180.1
Air Temp		2 Lookup		Observation
Sky Conditions		1 Lookup		Observation
Wind Direction		0 Lookup		Observation
Wind Strength		1 Lookup		Observation
<b>Lab ID #</b> : 500-192616-3		Result	Reporting Limit	Method
Alkalinity (as CaCO3)		110 mg/L	5	SM2320B
Chloride		17 mg/L	1	EPA 300.0
Hardness (as CaCO3)		170 mg/L	0.91	SM2340B
Solids, Suspended Total, (TSS)		5.5 mg/L	5	SM2540D
Solids, Total (TS)		270 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)		130 mg/L	10	SM2540C
Sulfate		49 mg/L	1	EPA 300.0
Calcium (Total)		47 mg/L	0.2	EPA 200.7
Magnesium (Total)		12 mg/L	0.1	EPA 200.7
COD		13 mg/L	10	SM5220C
Nitrogen, Ammonia		< 0.2 mg/L	0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite		1.1 mg/L	0.1	SM4500NO3-F
Phosphorus, Total		0.13 mg/L	0.05	SM4500P-E
TKN		0.53 mg/L	0.4	SM4500N(Org)-D
TOC		3.5 mg/L	1	SM5310C

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SiteID: WEM-07-0017 Sample Date: 1/11/2021 IDEM Sample #: AB45027 Water Depth ☐ Algae? Water Flow Type Run Water Appearance Brown ☐ Flow Estimated? ■ Aquatic Life? Water Flow (cf/sec): Canopy Closed % 0-20% **Sampler Comments:** Lab ID #: Result **Reporting Limit Method** 94.4 % ASTM D888-09(C) % Sat DO 13.23 mg/L ASTM D888-09(C) pH (Field) 7.99 SU EPA 150.2 Specific Conductance (Field) 367 umho/cm SM2510B Temperature 1.2 °C SM2550B(2) Turbidity (Hach) 13.5 NTU EPA 180.1 Air Temp 1 Lookup Observation Sky Conditions 4 Lookup Observation Wind Direction 0 Lookup Observation Wind Strength 1 Lookup Observation Lab ID #: 500-193651-3 Result **Reporting Limit Method** Alkalinity (as CaCO3) 110 mg/L 5 SM2320B Chloride 19 mg/L 1 EPA 300.0 Hardness (as CaCO3) 160 mg/L 0.91 SM2340B Solids, Suspended Total, (TSS) 6.5 mg/L 5 SM2540D Solids, Total (TS) 240 mg/L 10 SM2540B Solids, Total Dissolved (TDS) 230 mg/L 10 SM2540C Sulfate 45 mg/L 1 EPA 300.0 Calcium (Total) 44 mg/L 0.2 EPA 200.7 Magnesium (Total) 11 mg/L 0.1 EPA 200.7 COD 17 mg/L 10 SM5220C Nitrogen, Ammonia < 0.2 mg/L 0.2 SM4500NH3-G Nitrogen, Nitrate+Nitrite 1.4 mg/L 0.1 SM4500NO3-F Phosphorus, Total 0.14 mg/L 0.05 SM4500P-E 0.35 mg/L SM4500N(Org)-D TKN 0.4 TOC SM5310C 3.7 mg/L 1

Weather Code Definitions						
SC Sky Conditions		,	WD Wind Direction	WS Wind Strength	AT Air Temp	
1 - Clear	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32	
2 - Scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45	
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60	
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75	
5 - Mist				4 - Mod./Strong	5 - 76-85	
6 - Fog				5 - Strong	6 - > 86	
7 - Shower				6 - Gale		

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 SiteID:
 WEM070-0036
 USGS Hydrologic Unit:
 051202070701

 Stream Name:
 Vernon Fork Muscatatuck River
 County:
 Jennings

 Description:
 CR 400 West
 Latitude:
 38 57 15.46163
 Longitude:
 -85 41 5.94729

 Drainage:
 219.11
 Site Number:
 21T-023

**SiteID:** WEM070-0036 **Sample Date:** 11/16/2020 **IDEM Sample #:** AB44688

Water Flow Type Glide Water Appearance Clear Water Depth Algae?

Water Flow (cf/sec): 

Flow Estimated? 

Aquatic Life? Canopy Closed % 0-20%

**Sampler Comments:** 

Lab ID #:	Result		Reporting Limit	<u>Method</u>
% Sat	90.5	%		ASTM D888-09(C)
DO	10.56	mg/L		ASTM D888-09(C)
pH (Field)	7.83	SU		EPA 150.2
Specific Conductance (Field)	396	umho/cm		SM2510B
Temperature	8.6	°C		SM2550B(2)
Turbidity (Hach)	3.44	NTU		EPA 180.1
Air Temp	2	Lookup		Observation
Sky Conditions	1	Lookup		Observation
Wind Direction	0	Lookup		Observation
Wind Strength	1	Lookup		Observation
<b>Lab ID #</b> : 500-191243-1	Result		Reporting Limit	<u>Method</u>
Alkalinity (as CaCO3)	190	mg/L	10	SM2320B
Chloride	16	mg/L	5	EPA 300.0
Hardness (as CaCO3)	200	mg/L	0.91	SM2340B
Solids, Suspended Total, (TSS)	1.7	mg/L	5	I-3765-85
Solids, Total (TS)	290	mg/L	30	SM2540B
Solids, Total Dissolved (TDS)	340	mg/L	30	SM2540C
Sulfate	24	mg/L	5	EPA 300.0
Calcium (Total)	57	mg/L	0.2	EPA 200.7
Magnesium (Total)	14	mg/L	0.1	EPA 200.7
COD	11	mg/L	10	SM5220C
Nitrogen, Ammonia	0.28	mg/L	0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite	0.85	mg/L	0.1	SM4500NO3-F
Phosphorus, Total	0.07	mg/L	0.05	SM4500P-E
TKN	0.7	mg/L	0.4	SM4500N(Org)-D
TOC	3.5	mg/L	1	SM5310C

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SiteID: WEM070-0036	<b>Sample Date:</b> 12/15/2020	IDEM Sampl	le #: AB44907	
Water Flow Type Run	Water Appearance	Clear	Water Depth	☐ Algae?
Water Flow (cf/sec):	☐ Flow Estimated?	☐ Aquatic Life?	Canopy Closed %	0-20%
Sampler Comments:				
Lab ID #:		Result	Reporting Limit	<u>Method</u>
% Sat		94.9 %		ASTM D888-09(C)
DO		12.47 mg/L		ASTM D888-09(C)
pH (Field)		7.9 SU		EPA 150.2
Specific Conductance (Field)		432 umho/cm		SM2510B
Temperature		4.1 °C		SM2550B(2)
Turbidity (Hach)		2.88 NTU		EPA 180.1
Air Temp		2 Lookup		Observation
Sky Conditions		1 Lookup		Observation
Wind Direction		0 Lookup		Observation
Wind Strength		1 Lookup		Observation
<b>Lab ID #</b> : 500-192616-1		Result	Reporting Limit	Method
Alkalinity (as CaCO3)		170 mg/L	5	SM2320B
Chloride		18 mg/L	1	EPA 300.0
Hardness (as CaCO3)		200 mg/L	0.91	SM2340B
Solids, Suspended Total, (TSS)		2 mg/L	5	SM2540D
Solids, Total (TS)		250 mg/L	10	SM2540B
Solids, Total Dissolved (TDS)		230 mg/L	10	SM2540C
Sulfate		23 mg/L	1	EPA 300.0
Calcium (Total)		58 mg/L	0.2	EPA 200.7
Magnesium (Total)		14 mg/L	0.1	EPA 200.7
COD		8.3 mg/L	10	SM5220C
Nitrogen, Ammonia		< 0.2 mg/L	0.2	SM4500NH3-G
Nitrogen, Nitrate+Nitrite		1.6 mg/L	0.1	SM4500NO3-F
Phosphorus, Total		0.063 mg/L	0.05	SM4500P-E
TKN		0.54 mg/L	0.4	SM4500N(Org)-D
TOC		2.5 mg/L	1	SM5310C

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SiteID: WEM070-0036 Sample Date: 1/11/2021 IDEM Sample #: AB45025 **Water Appearance** Clear Water Depth ☐ Algae? Water Flow Type Run ☐ Flow Estimated? ☐ Aquatic Life? Water Flow (cf/sec): Canopy Closed % 0-20% **Sampler Comments:** Lab ID #: Result **Reporting Limit Method** 94.4 % ASTM D888-09(C) % Sat DO 13 mg/L ASTM D888-09(C) pH (Field) 7.92 SU EPA 150.2 Specific Conductance (Field) 411 umho/cm SM2510B Temperature 1.9 °C SM2550B(2) Turbidity (Hach) 4.38 NTU EPA 180.1 Air Temp 1 Lookup Observation Sky Conditions 4 Lookup Observation Wind Direction 0 Lookup Observation Wind Strength 1 Lookup Observation Lab ID #: 500-193651-1 Result **Reporting Limit Method** Alkalinity (as CaCO3) 160 mg/L 5 SM2320B Chloride 14 mg/L 1 EPA 300.0 Hardness (as CaCO3) 190 mg/L 0.91 SM2340B Solids, Suspended Total, (TSS) 2 mg/L 5 SM2540D Solids, Total (TS) 240 mg/L 10 SM2540B Solids, Total Dissolved (TDS) 260 mg/L 10 SM2540C Sulfate 19 mg/L 1 EPA 300.0 Calcium (Total) 55 mg/L 0.2 EPA 200.7 Magnesium (Total) 12 mg/L 0.1 EPA 200.7 COD 8.7 mg/L 10 SM5220C Nitrogen, Ammonia 0.15 mg/L 0.2 SM4500NH3-G Nitrogen, Nitrate+Nitrite 1.8 mg/L 0.1 SM4500NO3-F Phosphorus, Total 0.085 mg/L 0.05 SM4500P-E 0.37 mg/L 0.4 SM4500N(Org)-D TKN TOC SM5310C 3 mg/L 1

Weather Code Definitions							
SC Sky Conditions		,	WD Wind Direction	WS Wind Strength	AT Air Temp		
1 - Clear	8 - Rain	0	North (0 Degrees)	0 - Calm	1 - < 32		
2 - Scattered	9 - Snow	9	East (90 Degrees)	1 - Light	2 - 33-45		
3 - Partly	10 - Sleet	18	South (180 Degrees)	2 - Mod./Light	3 - 46-60		
4 - Cloudy		27	West (270 Degrees)	3 - Moderate	4 - 61-75		
5 - Mist				4 - Mod./Strong	5 - 76-85		
6 - Fog				5 - Strong	6 - > 86		
7 - Shower				6 - Gale			

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