

**WLPR Sample Site ID:** WQ1  
**Whitewater Sample Site ID:**  
**Graef Sample Site ID:** ---

**WLPR Results - 8/9/2016**

Sample ID	1S	1w-1
Free Phosphorus - Sediment (mg/kg)	50	---
Residual Phosphorus - Sediment (mg/kg)	438	---
Total Phosphorus - Sediment (mg/kg)	489	---
Turbidity (NTU)	---	5.41
Conductivity (uS/cm)	---	1038
Free Reactive Phosphorus (ug/L)	---	90.6798
Dissolved Oxygen (mg/L)	---	9.32
Chlorophyll a (ug/L)	---	53.5376
Total Phosphorus (ug/L)	---	152.7
Alkalinity (mg/L as CaCO3)	---	188.6
Total hardness (mg/L as CaCO3)	---	143.3
Total Nitrate & Nitrite (mg/L)	---	<0.02
Nitrite (mg/L)	---	<0.02
Nitrate (mg/L)	---	<0.02
Total Kjeldahl Nitrogen (mg/L)	---	2.173
Total Nitrogen (mg/L)	---	2.1837
pH	---	8.82
Secchi (ft)	---	1

Depth	Temp (f)	Dissolved Oxygen (mg/L)
0	79.9	11.8
3	77.8	6.6
6	77	0.7

**WLPR Sample Site ID:**

WQ2, WQ3

**Whitewater Sample Site ID:**

**Graef Sample Site ID:**

S-22A, S-22B, S-23A, S-23B, S-24A

Sample ID	WLPR Results - 8/9/2016			Graef - Sediment Sample Results		
	2s	2w-1	3s	S-22	S-23	S-24
Free Phosphorus - Sediment (mg/kg)	33.5	---	41.6	---	---	---
Residual Phosphorus - Sediment (mg/kg)	595.6	---	639.8	---	---	---
Total Phosphorus - Sediment (mg/kg)	629.1	---	681.4	700	1300	780
Turbidity (NTU)	---	3.76	---	---	---	---
Conductivity (uS/cm)	---	1086	---	---	---	---
Free Reactive Phosphorus (ug/L)	---	39.6807	---	---	---	---
Dissolved Oxygen (mg/L)	---	8.47	---	---	---	---
Chlorophyll a (ug/L)	---	29.7018	---	---	---	---
Total Phosphorus (ug/L)	---	77	---	---	---	---
Alkalinity (mg/L as CaCO3)	---	216.3	---	---	---	---
Total hardness (mg/L as CaCO3)	---	143.2	---	---	---	---
Total Nitrate & Nitrite (mg/L)	---	<0.02	---	---	---	---
Nitrite (mg/L)	---	<0.02	---	---	---	---
Nitrate (mg/L)	---	<0.02	---	---	---	---
Total Kjeldahl Nitrogen (mg/L)	---	1.4	---	---	---	---
Total Nitrogen (mg/L)	---	1.4083	---	---	---	---
pH	---	8.61	---	---	---	---
Secchi (ft)	---	2.0 +	---	---	---	---

NOTE: Secchi hit bottom

**Depth**

**Temp (F)    ved Oxygen (mg/L)**

0	80.8	8.89
1	80.8	8.8
2	80.8	8.7

**WLPR Sample Site ID:**

WQ4, WQ5

**Whitewater Sample Site ID:**

**Graef Sample Site ID:**

S-4, S-7, S-40, S-41

Sample ID	WLPR Results - 8/9/2016		Graef - sediment phosphorus results (mg/kg)			
	4w-1	5s	S-4	S-7	S-40	S-41
Free Phosphorus - Sediment (mg/kg)	---	84	---	---	---	---
Residual Phosphorus - Sediment (mg/kg)	---	651	---	---	---	---
Total Phosphorus - Sediment (mg/kg)	---	735	910	990	970	930
Turbidity (NTU)	3.93	---	---	---	---	---
Conductivity (uS/cm)	1053	---	---	---	---	---
Free Reactive Phosphorus (ug/L)	23.1049	---	---	---	---	---
Dissolved Oxygen (mg/L)	9.73	---	---	---	---	---
Chlorophyll a (ug/L)	36.3178	---	---	---	---	---
Total Phosphorus (ug/L)	93.6	---	---	---	---	---
Alkallinity (mg/L as CaCO3)	173.8	---	---	---	---	---
Total hardness (mg/L as CaCO3)	226.3	---	---	---	---	---
Total Nitrate & Nitrite (mg/L)	<0.02	---	---	---	---	---
Nitrite (mg/L)	<0.02	---	---	---	---	---
Nitrate (mg/L)	<0.02	---	---	---	---	---
Total Kjelaht Nitrogen (mg/L)	2.042	---	---	---	---	---
Total Nitrogen (mg/L)	2.0447	---	---	---	---	---
pH	8.95	---	---	---	---	---
Secchi (ft)	2.2	--	---	---	---	---

**Depth (ft)**

**Temp (F)    Dissolved Oxygen (mg/L)**

0	80.5	11.7
3	80	11.3

**WLPR Sample Site ID:**

WQ6

**Whitewater Sample Site ID:**

**Graef Sample Site ID:**

S-2A, S-2B, S-33B, S34-A

Sample ID	WLPR Results - 8/9/2016		Graef - sediment phosphorus results (mg/kg)		
	6s	6w-1	S-2	S-33	S-3
Free Phosphorus - Sediment (mg/kg)	47	---	---	---	---
Residual Phosphorus - Sediment (mg/kg)	702	---	---	---	---
Total Phosphorus - Sediment (mg/kg)	749	---	1100	1100	910
Turbidity (NTU)	---	8.07	---	---	---
Conductivity (uS/cm)	---	1093	---	---	---
Free Reactive Phosphorus (ug/L)	---	16.0918	---	---	---
Dissolved Oxygen (mg/L)	---	8.11	---	---	---
Chlorophyll a (ug/L)	---	17.6933	---	---	---
Total Phosphorus (ug/L)	---	105.4	---	---	---
Alkallinity (mg/L as CaCO3)	---	191.3	---	---	---
Total hardness (mg/L as CaCO3)	---	137.4	---	---	---
Total Nitrate & Nitrite (mg/L)	---	<0.02	---	---	---
Nitrite (mg/L)	---	<0.02	---	---	---
Nitrate (mg/L)	---	<0.02	---	---	---
Total Kjelaht Nitrogen (mg/L)	---	1.533	---	---	---
Total Nitrogen (mg/L)	---	1.5415	---	---	---
pH	---	8.39	---	---	---
Secchi (ft)	---	>1.0	---	---	---

NOTE: secchi hit bottom

**Depth**

**Temp (f)**

**Dissolved Oxygen (mg/L)**

0

80.8

7.9

1

80.1

8.3

WLPR Sample Site ID:

WQ7

Whitewater Sample Site ID:

Graef Sample Site ID:

S-16, S-17, S-18, S-19, S-20, S-31, S-35

Sample ID	WLPR Results - 8/9/2016		Graef - sediment phosphorus results (mg/kg)						
	7s	7w-1	S-16	S-17	S-18	S-19	S-20	S-31	S-35
Free Phosphorus - Sediment (mg/kg)	69.2	---	---	---	---	---	---	---	---
Residual Phosphorus - Sediment (mg/kg)	676.9	---	---	---	---	---	---	---	---
Total Phosphorus - Sediment (mg/kg)	746.1	---	630	980	960	1100	460	760	1200
Turbidity (NTU)	---	4.02	---	---	---	---	---	---	---
Conductivity (uS/cm)	---	1126	---	---	---	---	---	---	---
Free Reactive Phosphorus (ug/L)	---	10.5136	---	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	9.54	---	---	---	---	---	---	---
Chlorophyll a (ug/L)	---	128.4889	---	---	---	---	---	---	---
Total Phosphorus (ug/L)	---	131.7	---	---	---	---	---	---	---
Alkalinity (mg/L as CaCO3)	---	199.7	---	---	---	---	---	---	---
Total hardness (mg/L as CaCO3)	---	133.3	---	---	---	---	---	---	---
Total Nitrate & Nitrite (mg/L)	---	0.0489	---	---	---	---	---	---	---
Nitrite (mg/L)	---	0.0215	---	---	---	---	---	---	---
Nitrate (mg/L)	---	0.0274	---	---	---	---	---	---	---
Total Kjeldahl Nitrogen (mg/L)	---	2.934	---	---	---	---	---	---	---
Total Nitrogen (mg/L)	---	2.9829	---	---	---	---	---	---	---
pH	---	8.53	---	---	---	---	---	---	---
Secchi (ft)	---	<1.0	---	---	---	---	---	---	---

NOTE: Secchi hit bottom

Depth

Temp (F)

Dissolved Oxygen (mg/L)

0	80.9	10.2
1	80.1	9.3

WLPR Sample Site ID: WQ8, WQ9  
 Whitewater Sample Site ID: 1, 3  
 Graef Sample Site ID: S-28A, S-28B, S-29

Sample ID	WLPR Results - 8/9/2016			Graef - Sediment results		UW Whitewater Results					
	8s	8w-1	9s	S-28	S-29	3/16/2016		4/6/2016		5/31/2016	
						1	3	1	3	1	3
Free Phosphorus - Sediment (mg/kg)	58	---	58.3	---	---	---	---	---	---	---	---
Residual Phosphorus - Sediment (mg/kg)	1205	---	243	---	---	---	---	---	---	---	---
Total Phosphorus - Sediment (mg/kg)	1263	---	301.3	530	630	---	---	---	---	---	---
Turbidity (NTU)	---	2.94	---	---	---	---	---	---	---	---	---
Conductivity (uS/cm)	---	919	---	---	---	---	---	---	---	---	---
Free Reactive Phosphorus (ug/L)	---	10.0617	---	---	---	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	10	---	---	---	---	---	---	---	---	---
Chlorophyll a (ug/L)	---	18.1	---	---	---	---	---	---	---	---	---
Total Phosphorus (ug/L)	---	42.4	---	---	---	---	---	---	---	---	99.04
Alkalinity (mg/L as CaCO3)	---	162.2	---	---	---	---	---	---	---	---	---
Total hardness (mg/L as CaCO3)	---	137.7	---	---	---	---	---	---	---	---	---
Total Nitrate & Nitrite (mg/L)	---	0.0356	---	---	---	---	---	---	---	---	---
Nitrite (mg/L)	---	<0.02	---	---	---	---	---	---	---	---	---
Nitrate (mg/L)	---	0.0296	---	---	---	---	---	---	---	---	---
Total Kjeldahl Nitrogen (mg/L)	---	1.485	---	---	---	---	---	---	---	---	---
Total Nitrogen (mg/L)	---	1.5206	---	---	---	-9.2678	0.8056	0.2009	2.0065	---	5.6566
pH	---	9.08	---	---	---	---	---	---	---	---	---

Depth	Temp (F)	Dissolved Oxygen (mg/L)
0	82.2	11.5
1	82.1	10.6
2	81.9	10.2

WLPR Sample Site ID: WQ11  
 Whitewater Sample Site ID: 7  
 Graef Sample Site ID: S-13, S-14

Sample / Site ID	WLPR Results	Graef - Sediment Results		UW Whitewter Results									
	8/9/2016			3/16/2016	4/6/2016	4/27/2016	5/16/2016	5/31/2016	6/7/2016	6/14/2016	6/21/2016	7/19/2016	8/23/2016
Sample / Site ID	11s	S-13	S-14	7	7	7	7	7	7	7	7	7	7
Free Phosphorus - Sediment (mg/kg)	48	---	---	---	---	---	---	---	---	---	---	---	---
Residual Phosphorus - Sediment (mg/kg)	521	---	---	---	---	---	---	---	---	---	---	---	---
Total Phosphorus - Sediment (mg/kg)	569	1200	420	---	---	---	---	---	---	---	---	---	---
Turbidity (NTU)	---	---	---	---	---	---	---	---	---	---	---	---	---
Conductivity (uS/cm)	---	---	---	---	---	---	---	---	---	---	---	---	---
Free Reactive Phosphorus (ug/L)	---	---	---	---	---	---	---	---	---	---	---	---	---
Dissolved Oxygen (mg/L)	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlorophyll a (ug/L)	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Phosphorus (ug/L)	---	---	---	---	---	---	---	73.78	80.75	---	53	---	---
Alkallinity (mg/L as CaCO3)	---	---	---	---	---	---	---	---	---	---	---	---	---
Total hardness (mg/L as CaCO3)	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Nitrate & Nitrite (mg/L)	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrite (mg/L)	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrate (mg/L)	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Kjelaht Nitrogen (mg/L)	---	---	---	---	---	---	---	---	---	---	---	---	---
Total Nitrogen (mg/L)	---	---	---	3.0886	3.4276	2.0389	7.8358	2.2229	8.0241	13.0289	---	2.4592	---
pH	---	---	---	---	---	---	---	---	---	---	---	---	---

\* - extreme outlier >1000 ug/L removed from dataset

Depth	Temp (F)	Dissolved Oxygen (mg/L)
0	82.2	11.1
2	82.2	10.9

