Appendix A–3

2011 Amphibian Index of Biotic Integrity Data Summaries

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Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

15-Mar-11
12-May-11
17-Jun-11

Amphibian Funnel Trap Data Summary
BAPW2

Species	Common Name	CofC	Count	Total # x CofC
Lithobates catesbeiana	American Bull Frog	2	3	6
Unknown tadpoles	Unknown	1	2	2
			5	8

A= Total # of Individual Amphibians	5
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	0
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	5
D= Σ Total # of Individuals x CofC	8

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	1.6	0
Relative Abundance of Sensitive Species:	B ÷ A =	0.00%	0
Relative Abundance of Tolerant Species:	C ÷ A =	100.00%	0
Number of Pond Breeding Salamander Species:	=	0	0
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			0

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

15-Mar-11
12-May-11
17-Jun-11

Amphibian Funnel Trap Data Summary
BAPW4

Species	Common Name	CofC	Count	Total # x CofC
Lithobates clamitans	Green Frog	1	1	1
Lithobates sp.	Frog Species	1	19	19
			20	20

A= Total # of Individual Amphibians	20
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	0
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	20
D= Σ Total # of Individuals x CofC	20

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	1	0
Relative Abundance of Sensitive Species:	B ÷ A =	0.00%	0
Relative Abundance of Tolerant Species:	C ÷ A =	100.00%	0
Number of Pond Breeding Salamander Species:	=	0	0
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			0

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

15-Mar-11
12-May-11
17-Jun-11

Amphibian Funnel Trap Data Summary
BAPW7

Species	Common Name	CofC	Count	Total # x CofC
Acris crepitans	Cricket Frog	7	1	7
Lithobates clamitans	Green Frog	1	1	1
Lithobates pipiens	Northern Leopard Frog	4	1	4
Lithobates sp.	Frog Species	1	1	1
Pseudacris crucifer	Spring Peeper	3	1	3
			5	16

A= Total # of Individual Amphibians	5
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	1
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	3
D= Σ Total # of Individuals x CofC	16

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	3.2	3
Relative Abundance of Sensitive Species:	B ÷ A =	20.00%	7
Relative Abundance of Tolerant Species:	C ÷ A =	60.00%	3
Number of Pond Breeding Salamander Species:	=	0	0
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			13

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

16-Mar-11
05-May-11
21-Jun-11

Amphibian Funnel Trap Data Summary
FPAW2

Species	Common Name	CofC	Count	Total # x CofC
Acris crepitans	Cricket Frog	7	1	7
Lithobates catesbeiana	Bull Frog	2	2	4
Pseudacris crucifer	Spring Peeper	3	1	3
			4	14

A= Total # of Individual Amphibians	4
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	1
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	3
D= Σ Total # of Individuals x CofC	14

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	3.5	3
Relative Abundance of Sensitive Species:	B ÷ A =	25.00%	7
Relative Abundance of Tolerant Species:	C ÷ A =	75.00%	3
Number of Pond Breeding Salamander Species:	=	0	0
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			13

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

16-Mar-11
05-May-11
21-Jun-11

Amphibian Funnel Trap Data Summary
FPAW7

Species	Common Name	CofC	Count	Total # x CofC
Lithobates catesbeiana	Bull Frog	2	1	2
Lithobates sp.	Frog Species	1	10	10
			11	12

A= Total # of Individual Amphibians	11
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	0
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	11
D= Σ Total # of Individuals x CofC	12

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	1.09	0
Relative Abundance of Sensitive Species:	B ÷ A =	0.00%	0
Relative Abundance of Tolerant Species:	C ÷ A =	100.00%	0
Number of Pond Breeding Salamander Species:	=	0	0
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			0

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

16-Mar-11
05-May-11
21-Jun-11

Amphibian Funnel Trap Data Summary
FPAW9

Species	Common Name	CofC	Count	Total # x CofC
Acris crepitans	Cricket Frog	7	12	84
Anaxyrus sp.	Toad species	2	1	2
Lithobates sp.	Frog species	1	28	28
			41	114

A= Total # of Individual Amphibians	41
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	12
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	29
D= Σ Total # of Individuals x CofC	114

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	2.78	0
Relative Abundance of Sensitive Species:	B ÷ A =	29.27%	7
Relative Abundance of Tolerant Species:	C ÷ A =	70.73%	3
Number of Pond Breeding Salamander Species:	=	0	0
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			10

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

11-Mar-11
03-May-11
17-Jun-11

Amphibian Funnel Trap Data Summary
PREW6

Species	Common Name	CofC	Count	Total # x CofC
Acris crepitans	Cricket Frog	7	10	70
Lithobates catesbeiana	American Bull Frog	2	10	20
Lithobates clamitans	Green Frog	1	2	2
			26	96

A= Total # of Individual Amphibians	22
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	10
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	12
D= Σ Total # of Individuals x CofC	92

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	4.18	3
Relative Abundance of Sensitive Species:	B ÷ A =	45.45%	7
Relative Abundance of Tolerant Species:	C ÷ A =	54.55%	3
Number of Pond Breeding Salamander Species:	=	0	0
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			13

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

11-Mar-11
03-May-11
15-Jun-11

Amphibian Funnel Trap Data Summary
NPPW4

Species	Common Name	CofC	Count	Total # x CofC
Acris crepitans	Cricket Frog	7	40	280
Ambystoma species	Salamander Species	5	1	5
Ambystoma tigrinum	Tiger Salamander	9	1	9
Lithobates catesbeiana	Bull Frog	2	4	8
Lithobates clamitans	Green Frog	1	2	2
Lithobates pipiens	Northern Leopard Frog	4	1	4
			49	308

A= Total # of Individual Amphibians	49
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	41
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	6
D= Σ Total # of Individuals x CofC	308

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	6.26	10
Relative Abundance of Sensitive Species:	B ÷ A =	85.11%	10
Relative Abundance of Tolerant Species:	C ÷ A =	14.83%	10
Number of Pond Breeding Salamander Species:	=	2	3
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			33

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

11-Mar-11
03-May-11
14-Jun-11

Amphibian Funnel Trap Data Summary
NPPW5

Species	Common Name	CofC	Count	Total # x CofC
Lithobates catebeiana	Bull Frog	2	3	6
Pseudacris crucifer	Spring Peeper	3	14	42
			17	48

A= Total # of Individual Amphibians	17
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	0
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	17
D= Σ Total # of Individuals x CofC	48

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	2.82	0
Relative Abundance of Sensitive Species:	B ÷ A =	0.00%	0
Relative Abundance of Tolerant Species:	C ÷ A =	100.00%	0
Number of Pond Breeding Salamander Species:	=	0	0
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			0

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

09-Mar-11
04-May-11
15-Jun-11

Amphibian Funnel Trap Data Summary
WM1W1

Species	Common Name	CofC	Count	Total # x CofC
Ambystoma species	Unknown Salamander	5	1	5
Lithobates catesbeiana	American Bull Frog	2	1	2
Lithobates clamitans	Green Frog	1	3	3
			5	10

A= Total # of Individual Amphibians	5
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	0
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	5
D= Σ Total # of Individuals x CofC	10

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	2	0
Relative Abundance of Sensitive Species:	B ÷ A =	0.00%	0
Relative Abundance of Tolerant Species:	C ÷ A =	1.00%	0
Number of Pond Breeding Salamander Species:	=	1	3
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			3

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

09-Mar-11
04-May-11
15-Jun-11

Amphibian Funnel Trap Data Summary
WM1W4

Species	Common Name	CofC	Count	Total # x CofC
Acris crepitans	Cricket Frog	7	1	7
Lithobates catesbeiana	American Bull Frog	2	15	30
Lithobates clamitans	Green Frog	1	7	7
Lithobates sp.	Frog Species	1	19	19
			42	63

A= Total # of Individual Amphibians	42
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	1
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	41
D= Σ Total # of Individuals x CofC	63

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	1.5	0
Relative Abundance of Sensitive Species:	B ÷ A =	2.40%	3
Relative Abundance of Tolerant Species:	C ÷ A =	97.62%	0
Number of Pond Breeding Salamander Species:	=	0	0
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			3

Wetland Mitigation Monitoring 2011

Dates of Sampling Events

09-Mar-11
04-May-11
15-Jun-11

Amphibian Funnel Trap Data Summary
WM1W7

Species	Common Name	CofC	Count	Total # x CofC
Pseudacris crucifer	Spring Peeper	3	40	120
			40	120

A= Total # of Individual Amphibians	40
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	0
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	40
D= Σ Total # of Individuals x CofC	120

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	3	0
Relative Abundance of Sensitive Species:	B ÷ A =	0.00%	0
Relative Abundance of Tolerant Species:	C ÷ A =	100.00%	0
Number of Pond Breeding Salamander Species:	=	0	0
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			0

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

08-Mar-11
10-May-11
14-Jun-11

Amphibian Funnel Trap Data Summary
WM2W1

Species	Common Name	CofC	Count	Total # x CofC
Ambystoma barbouri	Streamside Salamander	6	2	12
Ambystomid sp.	Salamander Species	5	7	35
Anaxyrus sp.	Toad Species	2	10	20
Lithobates catesbeiana	American Bull Frog	2	98	196
Lithobates clamitans	Green Frog	1	2	2
Lithobates pipiens	Northern Leopard Frog	4	2	8
			121	280

A= Total # of Individual Amphibians	121
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	9
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	110
D= Σ Total # of Individuals x CofC	280

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	2.31	0
Relative Abundance of Sensitive Species:	B ÷ A =	7.44%	3
Relative Abundance of Tolerant Species:	C ÷ A =	90.91%	0
Number of Pond Breeding Salamander Species:	=	1	3
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			6

Wetland Mitigation Monitoring 2011

Dates of Sampling Events

08-Mar-11
10-May-11
14-Jun-11

Amphibian Funnel Trap Data Summary
WM2W2

Species	Common Name	CofC	Count	Total # x CofC
Anaxyrus sp.	Toad Species	2	213	426
Ambystoma barbouri	Streamside Salamander	6	1	6
Ambystoma opacum	Marbled Salamander	8	1	8
Lithobates catesbeiana	American Bull Frog	2	2	4
Lithobates pipiens	Northern Leopard Frog	4	1	4
Lithobates sp.	Frog Species	1	134	134
Pseudacris crucifer	Spring Peeper	3	2	6
			354	588

A= Total # of Individual Amphibians	354
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	2
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	351
D= Σ Total # of Individuals x CofC	588

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	1.66	0
Relative Abundance of Sensitive Species:	B ÷ A =	0.56%	3
Relative Abundance of Tolerant Species:	C ÷ A =	99.15%	0
Number of Pond Breeding Salamander Species:	=	2	3
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			6

Wetland Mitigation
Monitoring 2011

Dates of Sampling Events

08-Mar-11
10-May-11
14-Jun-11

Amphibian Funnel Trap Data Summary
WM2W3

Species	Common Name	CofC	Count	Total # x CofC
Acris crepitans	Cricket Frog	7	1	7
Ambystoma sp.	Salamander Species	5	16	80
Lithobates catesbeiana	American Bull Frog	2	2	4
Lithobates sp.	Frog Species	1	2	2
Pseudacris crucifer	Spring Peeper	3	28	84
			49	177

A= Total # of Individual Amphibians	49
B= Total # of Individuals of Sensitive Species (CofC = 6-10)	1
C= Total # of Individuals of Tolerant Species (CofC = 1-3)	32
D= Σ Total # of Individuals x CofC	177

Metric		Value	Score
Amphibian Quality Assessment Index (AQAI):	D ÷ A =	3.61	3
Relative Abundance of Sensitive Species:	B ÷ A =	2.04%	3
Relative Abundance of Tolerant Species:	C ÷ A =	65.31%	3
Number of Pond Breeding Salamander Species:	=	1	3
Spotted Salamanders of Wood Frogs Present?:	=	No	0
AmphIBI Score			12

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