

BUFF SQM Findings on the Little Miami River

		Bass Island									Caesar Creek Access										
		BUFF 2016 Avg	BUFF 2017 Avg	BUFF 2018 Avg	BUFF 2019 Avg	BUFF 2020 Avg	BUFF 2021 Avg	BUFF 2022 Avg	05/20/23	07/15/23	09/09/23	BUFF 2016 Avg	BUFF 2017 Avg	BUFF 2018 Avg	BUFF 2019 Avg	BUFF 2020 Avg	BUFF 2021 Avg	BUFF 2022 Avg	05/20/23	07/08/23	09/09/23
Group 1 - Intolerant	Water Penny	A	A		A	B	A	A	A			A	X	X	A	A	A	A	A		
	Mayfly nymph	B	B	C	B	C	C	B	C	A	C	B	X	X	B	C	A	B	B	A	A
	Stonefly nymph	A	B	C	A	A	A	A	C			B	X	X	B	A	A	A	B	A	A
	Dobsonfly larvae					A	B	A				A								A	
	Caddisfly larvae	B	C	C	C	C	C	C	C	B	C	B	X	X	B	C	B	B	C	B	B
	Riffle Beetle	B	B	B	B	B	B	B	C	B	B	B	X	X	B	B	A	A	B	A	A
	Gilled snail (rt hand)	A	A		A			A				B	X	X	B	C	B	B	A	A	B
Group 2 - Moderately Intolerant	Damselfly nymph	A	A	A	A	B	B	A		A		B	X	X	A	A					A
	Dragonfly nymph	A	A			A	A	A				A	X	X	A	A	A	A			
	Cranefly larvae		A	A	A		A		A			A		X	A	A		A		A	A
	Beetle larvae		A		B	B	A	B	B	A	A	A		X	B	A		B			
	Crayfish			A	A	A	A	A		A		A	X	X			B	A		A	A
	Scuds											A		X	B		B		B		
	Clams	B		A		B	A	A			A	A		X	B	A	A			A	
Sowbugs	A				C	A					B	X	X	B	C	B	A	B			
Group 3 - Fairly Tolerant	Black fly larvae			B	A	B	B	B	B	B				X		A					
	Aquatic Worms	A	A	B	B	B	B	A	B	A	A	A	X	X	A	B		B	A	A	A
	Midge larvae	B	A	C	C	B	B	B	B	B	B	B	X	X	B	B	A	B	B		A
	Pouch snail (left hand)	A		A		A							X						A		
	Leeches			A	A	A						A	X								A
Cumulative Index Values (CIV):		23	19	18	22	24	26	23	22	18	16	28	26	24	24	24	19	22	25	25	24
Total Suspended Solids (TSS Index)		22	28	29	18	16	30	22	32	19	14	18	15	25	25	23	25	19	18	11	14

Tally Letter Codes (roughly # spotted in sample): 1-9 = A 10-99 = B 100+ = C X = Not noted

Cumulative Index Values (CIV):
 Excellent 23 or More
 Good 17 - 22
 Fair 11 - 16
 Poor 10 or less

* Data Reference: ODNR SQM Reports