

FRIENDS OF CABIN JOHN CREEK WATERSHED
Monitoring Data (as of June 2003)

Site#	Location	Measures	Sampling Dates											Average BMI all dates				
			Oct-00	Jan-01	Apr-01	Jul-01	Oct-01	Jan-02	Apr-02	Jul-02	Oct-02	Jan-03	Apr-03					
1 (NA) Rockville	Cabin John <i>Tower Oaks</i> (<i>GEICO</i>) 39.03.35 77.09.05	BMI										15	3		9.0			
		Turbidity (JTU)												0				
		PH											7.5	7				
		Temperature (C)											13.5	0				
		D.O. (PPM)													8			
		Saturation (%)														55		
2 (NA) Rockville	Old Farm Branch <i>Sherry Court</i> 39.03.26 77.08.06	BMI*											9			9.0		
		Turbidity (JTU)												0				
		PH												8				
		Temperature (C)												13				
		D.O. (PPM)													4			
		Saturation (%)														38		
3 (1) CJSB101	Snakeden Branch <i>7 Locks Rd & Tuckerman Ln</i> 39.02.13 77.09.30	BMI*	7	12	14	10	16	12	17	13	9	9	10			11.7		
		Turbidity (JTU)											20	0	0			
		PH											8	8	8			
		Temperature (C)											12	10	10			
		D.O. (PPM)											4	4	4			
		Saturation (%)												37	35	35		
4 (2) CJCJ302	Cabin John <i>Locust Grove</i> 39.01.39 77.09.24	BMI*	9	7	7	8	15	8	8	12	20			8		10.2		
		Turbidity (JTU)											0		0			
		PH											7		7			
		Temperature (C)											13		10			
		D.O. (PPM)											4		4			
		Saturation (%)												38		35		

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5 (4) CJBB201	Buck Branch Democracy Blvd. 39.01.17 77.10.15	BMI*	11	6	9	12	16	9	3	17	19	12	7	11.0
		Turbidity (JTU)									0		0	
		PH									7		7	
		Temperature (C)									23		10	
		D.O. (PPM)									8		8	
		Saturation (%)									74		71	
6 (5) CJCJ303	Cabin John Bradley Blvd. 39.00.46 77.10.04	BMI*	13	18	12	17	17	14	14	23	11	11	15	15.0
		Turbidity (JTU)									40	0	0	
		PH									8	7.5	7.5	
		Temperature (C)									10	0	10	
		D.O. (PPM)									4	6	4	
		Saturation (%)									35	42	35	
7 (8) CJBC202	Booze Creek Helmsdale Ave. 38.59.25 77.08.51	BMI*	7	3	5	18	7	3	8	2	3	3	5	5.8
		Turbidity (JTU)									0	0		
		PH									8	7		
		Temperature (C)									4	0		
		D.O. (PPM)									12	6		
		Saturation (%)									37	42		
8 (9) CJCJ305	Cabin John Carderock 38.59.20 77.09.47	BMI*	16	16	27	16	16	11	13	13	14		16	15.8
		Turbidity (JTU)									0		0	
		PH									7.5		7.5	
		Temperature (C)									12		10	
		D.O. (PPM)									4		5	
		Saturation (%)									37		46	

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9 (10) CJCJ307	Cabin John Cypress Grove Lane 38.58.52 77.09.29	BMI*	10	5	11	23	17	10	18	17	26	5	11	13.9
		Turbidity (JTU)									0	0	0	
		PH									7.5	7.5	8	
		Temperature (C)									12	0	10	
		D.O. (PPM)									6	4	4	
		Saturation (%)									55	27	35	
10 (11) NA	Bannockburn Branch Bannockburn 38.58.29 77.08.35	BMI*	8	4	10	6	4	7	8	0 (Dry)	0 (Dry)	5	7	6.6
		Turbidity (JTU)										40	10	
		PH										7	7	
		Temperature (C)										0	8	
		D.O. (PPM)										4	4	
		Saturation (%)										27	34	
11 (NA) NA	Cabin John MacArthur Blvd 38.58.30 77.08.59	BMI*									23	17	8	16.0
		Turbidity (JTU)									0	0	0	
		PH									8	6.75	8.5	
		Temperature (C)									12	2	12	
		D.O. (PPM)									4	4	8	
		Saturation (%)									37	29	74	
Average BMI all sites			10.1	8.9	11.9	13.8	13.5	9.3	11.1	13.9	14.9	8.1	9.7	11.3

Izaak Walton League Save Our Streams Rating (*BMI - Benthic Macro-Invertebrate Index)

- < 11 **Poor**
- 11 - 16 **Fair**
- 17 - 22 **Good**
- > 22 **Excellent**

Note: FOCJCW monitors using the Izaak Walton League of America Save Our Streams protocol. The rating depends on the number of different types of benthic macro-invertebrates (bottom-dwelling spineless insects visible to the naked eye) found in three general taxonomic groups, i.e., pollution sensitive, somewhat sensitive, and pollution tolerant. A score greater than 22 would be considered "excellent."