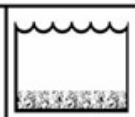
WATER QUALITY REPORT CARD

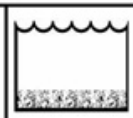
COLOR KEY: GOOD / CONCERN / FAIR / POOR / N/A	AQUATIC LIFE							RECREATION		FISH EDIBILITY
										
SEGMENT	BIOLOGY	CHEMISTRY	NUTRIENTS	TOXICS	SEDIMENTS	FLOW	HABITAT	BACTERIA	AESTHETICS	FISH TISSUE

Millers River

WATER QUALITY REPORT CARD

2000 Assessment

COLOR KEY: GOOD, CONCERN, FAIR, POOR, N/A

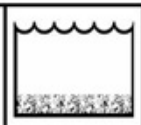
	AQUATIC LIFE							RECREATION		FISH EDIBILITY
										
SEGMENT	BIOLOGY	CHEMISTRY	NUTRIENTS	TOXICS	SEDIMENTS	FLOW	HABITAT	BACTERIA	AESTHETICS	FISH TISSUE
MILLERS RIVER										
to Whitney pond										
to Winchendon WWTF										
to Otter River										
to South Royalston										
to Orange Center										
to Erving WWTF										
to Connecticut River										
OTTER RIVER										
to Gardner WWTF										
to Seaman Paper Co.										
to Millers River										
TULLY RIVER										
East Branch										
Boyce Brook										
West Branch										
Lawrence Brook										
Main Stem										

Millers River

WATER QUALITY REPORT CARD

2000 Assessment

COLOR KEY: GOOD, CONCERN, FAIR, POOR, N/A

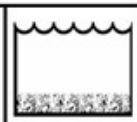
	AQUATIC LIFE							RECREATION		FISH EDIBILITY
										
SEGMENT	BIOLOGY	CHEMISTRY	NUTRIENTS	TOXICS	SEDIMENTS	FLOW	HABITAT	BACTERIA	AESTHETICS	FISH TISSUE
MILLERS RIVER										
to Whitney pond	F					Q				Hg
to Winchendon WWTF		pH		U		Q		B	C	Hg,PCB
to Otter River		pH	P	U		Q				Hg, PCB
to South Royalston			P		PCB					Hg,PCB
to Orange Center	A,F	pH	P		PCB	Q				Hg, PCB
to Erving WWTF	A,F	pH	P		PCB	Q				Hg, PCB
to Connecticut River		pH	P	U	PCB	Q			C	Hg, PCB
OTTER RIVER										
to Gardner WWTF	I,F	DO,pH,T	P						C	Hg, PCB
to Seaman Paper Co.	I,F	DO,pH, T	P	U	Me	Q	S		C,D	Hg, PCB
to Millers River	I,F	pH	P		PCB	Q			O,C,D	Hg, PCB
TULLY RIVER										
East Branch	F	pH					S		G	Hg, PCB
Boyce Brook		pH								Hg, PCB
West Branch										Hg, PCB
Lawrence Brook		pH								Hg,PCB
Main Stem	F									Hg, PCB

Millers River

WATER QUALITY REPORT CARD

2000 Assessment

COLOR KEY: GOOD, CONCERN, FAIR, POOR, N/A

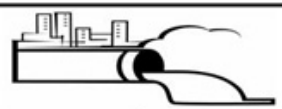
	AQUATIC LIFE							RECREATION		FISH EDIBILITY
										
SEGMENT	BIOLOGY	CHEMISTRY	NUTRIENTS	TOXICS	SEDIMENTS	FLOW	HABITAT	BACTERIA	AESTHETICS	FISH TISSUE
MILLERS RIVER										
to Whitney pond	3					1				2
to Winchendon WWTF		4		4		4		1	1	2
to Otter River	3	3	3	1		4		1	2	2
to South Royalston	3	3	3	2	4	4	3		2	2
to Orange Center	4	2	2	4	2	2			2	2
to Erving WWTF	4	2	2	4	1	2			2	2
to Connecticut River	3	3	3	4	1	4	3		2	2
OTTER RIVER										
to Gardner WWTF	4	2	2				3	1	2	1
to Seaman Paper Co.	4	3	3	1	2	4	3		2	2
to Millers River	4	2	2	4	4	2	3		2	2
TULLY RIVER										
East Branch	4	1					3		2	1
Boyce Brook	3	1							2	1
West Branch	4	1					3		2	1
Lawrence Brook	4	1					3		2	1
Main Stem	3								2	1

Millers River

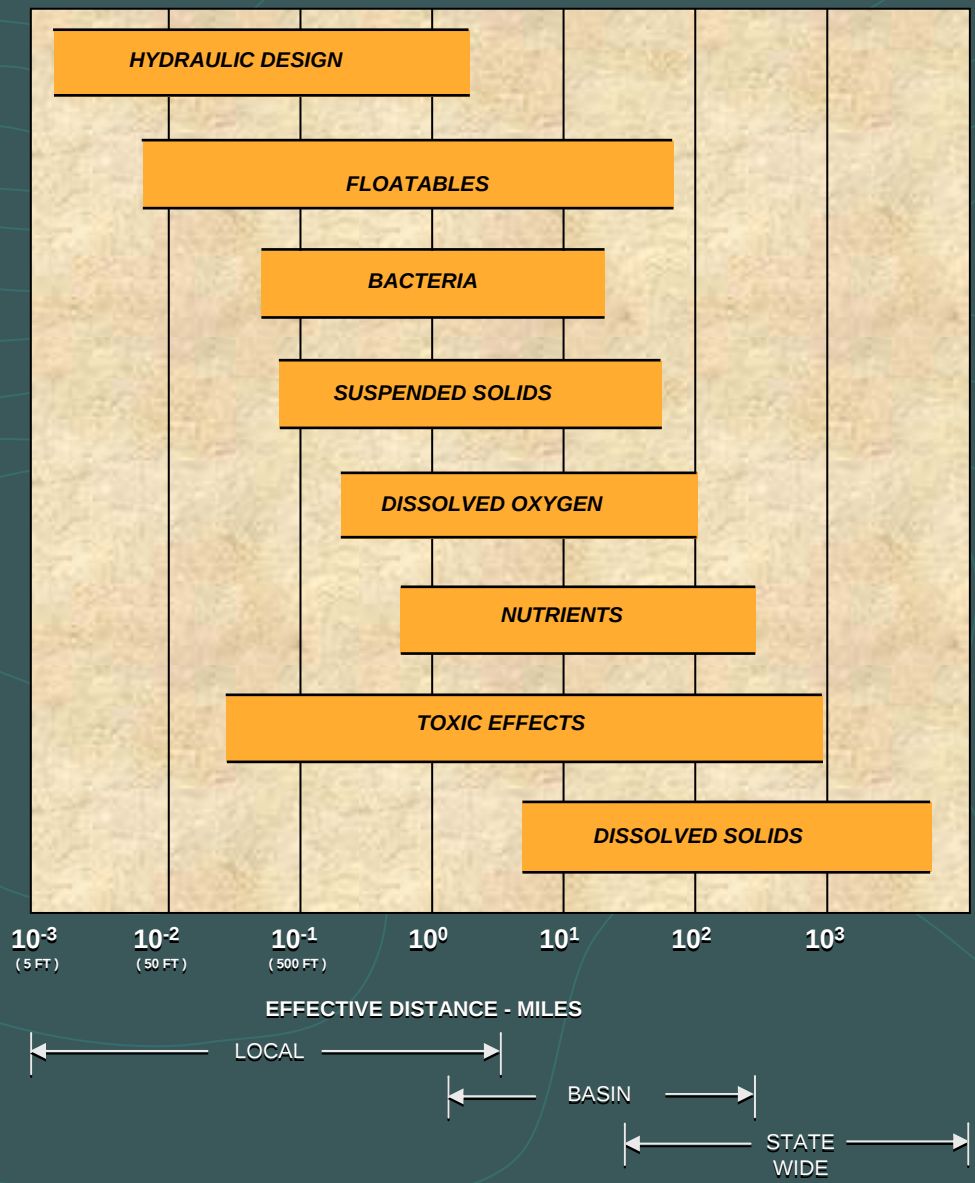
WATER QUALITY REPORT CARD

2000

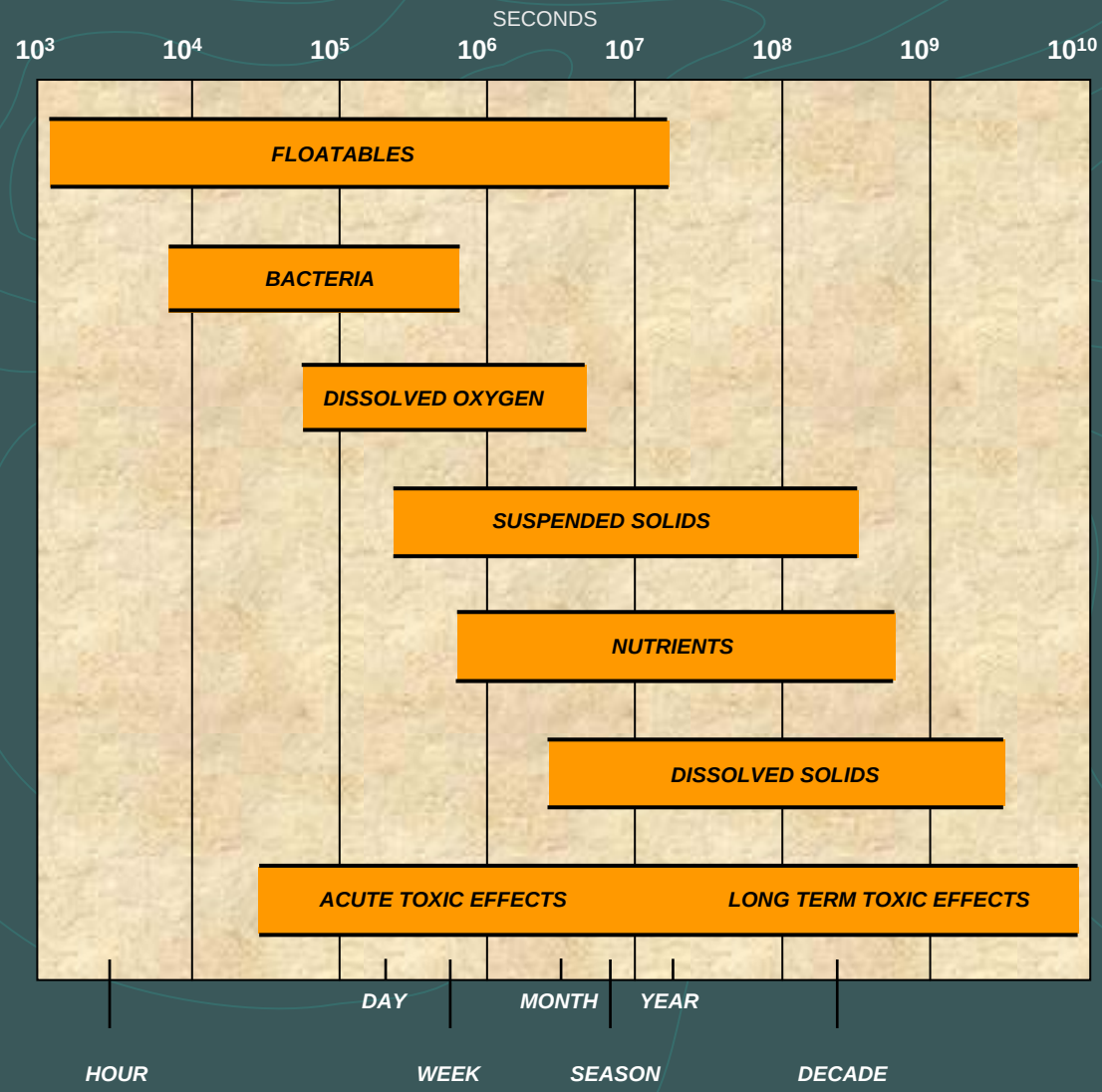
COLOR KEY:
- KNOWN SOURCE
- SUSPECTED SOURCE
- POTENTIAL SOURCE
- N/A

	POINT SOURCES		NON-POINT SOURCES						
									
SEGMENT	MUNICIPAL	INDUSTRIAL	STORM WATER	RESOURCE EXTRACT.	LAND DISPOSAL	SEDIMENT	HYDRO MODIFICA.	OTHER	UNKNOWN
MILLERS RIVER									
to Whitney Pond							WDL,IMP	ATM	
to Winchendon WWTF	CSO					SED*		ATM	
to Otter River	MTF				LDF	SED*		ATM	
to South Royalston						SED		ATM	
to Orange Center						SED	IMP,FLW	ATM	
to Erving WWTF						SED	IMP,FLW	ATM	
to Connecticut River					LDF	SED	FLW	ATM	
OTTER RIVER									
to Gardner WWTF			URB			SED*		ATM	
to Seaman Paper Co.	MTF,MS4		HWY	S&G		SED*		ATM	
to Millers River	MTF		HWY	S&G		SED		ATM	
TULLY RIVER									
East Branch					LDF	SED*	FLW	ATM	
Boyce Brook						SED*		ATM	
West Branch						SED*		ATM	
Lawrence Brook						SED*		ATM	
Main Stem						SED*		ATM	

Space Scales



Time Scales


SECONDS
10^3
10^4
10^5
10^6
10^7
10^8
10^9
10^{10}
FLOATABLES
BACTERIA
DISSOLVED OXYGEN
SUSPENDED SOLIDS
NUTRIENTS
DISSOLVED SOLIDS
ACUTE TOXIC EFFECTS
LONG TERM TOXIC EFFECTS
DAY
MONTH
YEAR
HOUR
WEEK
SEASON
DECADE

Overall Time and Space Scales

SPACE SCALE	Dissolved Solids	Toxicity	Nutrients	Suspended Solids	Dissolved Oxygen	Bacteria	Habitat
1 Statewide	X	Chronic	X	(X)	(X)		
2 Basins	(X)		X	X	X	(X)	(X)
3 Local		Acute		(X)	(X)	X	X
TIME SCALES							
1 Decade	X	Chronic	X				X
2 Year	X		X	X			X
3 Season			X	X	(X)		X
4 Month			X	X	X		
5 Week				X	X	X	
6 Day				X	X	X	
7 Hour		Acute				X	

Customized Roles

PROGRAM	PARTNERS	INDICATORS
Statewide	Federal/State	Biology (High Level) Water Quality Sediment Quality Flow Fish Tissue
Basins	State/Regional	Rapid Bioassessment Water Quality Sediment Quality Flow Fish Tissue (Habitat) (Bacteria)
Local	Regional/Local	Biology (Low Level) (Water Quality) (Flow) Habitat Bacteria Aesthetics