

Stream	Warm Spring Run		Level	2	Date(s)	7/24/12
Monitor(s)	Lehman, Swaim, Jones, Dean, Oak, Benkendorf					
Directions	Washington Street, Town of Bath		Start time			
			County	Morgan		
			RR Miles	Station	Country Inn	
Latitude	38.6249765	Longitude	78.22958509	Watershed	Warm Spring Run	
	2			Database code	Country Inn	

WATER CHEMISTRY

	Result	Units		Result	Units		Result	Units
Temp. (°F or °C)	23	C	Alkalinity			Fecal coliform		
pH	7.3		Nitrate/Nitrite	.35	Mg/l	Iron		
Conductivity			Phosphates			Aluminum		
Dissolved O ₂			Total Dissolved Solids			Manganese		
Acidity			Turbidity	2.3	NTU	Other (describe below)		

Describe other conditions analyzed:

PHYSICAL CONDITIONS

Water	clear	Algae color	none
Water color	none	Algae abundance	scattered
Water/Sedi	none	Algae texture	even coating
Streambed	brown	Surface foam	slight
Comments			

Riffle width	10.7	Run width	15	Pool width	
Riffle depth	0.07	Run depth	0.44	Pool depth	
				Yes	feet
				Feet	Meters
					Indicate units

Estimate	Count	yes	Entire reach	yes	Riffles only		
Silt/clay	Sand	Fine gravel	Coarse gravel	Cobble	Boulder	Bedrock	Woody debris
	23	20	37	22			
Index					% Riffles	% Runs	% Pools
Comment:							

HABITAT CONDITIONS

Sediment deposition	18	Bank stability	7	7	C
					c
					m
					m

Embeddedness	14	Bank veg. protection	5	5	e n t s
Channel shade	40-60%	Riparian buffer width	2	2	
Total Score	60	Integrity Rating	Suboptimal		

BIOLOGICAL CONDITIONS

Richness		Composition		Tolerance	
Total Taxa	9	% EPT Abundance	43%	Biotic Index	4.3
EPT Taxa	3	% Dominance	24%	% Tolerant	5%
				Stream Score	34
				Integrity rating	Marginal

Other aquatic organisms observed or collected, or additional comments:

Discharge (cfs)	.11				yes		
Current/past weather conditions:	Today some light showders last 3 days	Extremely dry	Estimate water level	Low	Normal	High	No flow

LAND USE IMPACTS: Indicate the types of land uses that affect your stream reach and their approximate location using the code: **(S)** streamside, **(M)** within 1/4 mile, and **(W)** within the watershed. Also estimate the level of impact with the numeric codes **(1)** slight, **(2)** moderate, or **(3)** for high impacts.

	Impact	Location		Impact	Location
Single family residences	2	s	Trash dumps		
Sub-urban developments			Intensive feedlots		
Urban areas			Pastureland	1	w
Industrial areas			Cropland		
Parking lots, malls etc.	3	w	Oil & gas wells		
Bridges	3	s	Logging	1	w
Paved roads	3	s	Mountaintop mining	1	w
Unpaved roads			Abandoned mining		
Active construction			Deep mining		
Parks, trails etc	2	s	Quarries		
Other recreation			Other (describe)		
Landfills					

Comments: Pipes? Yes No

BENTHIC MACROINVERTEBRATES: Record the total and taxa of each macroinvertebrate group collected. Note: In the VAD the macroinvertebrates are recorded in three columns based upon their tolerance using taxonomic names.

Macroinvertebrates collected	Total	Taxa	Macroinvertebrates collected	Total	Taxa
Ephemeroptera			Megaloptera		

WV SAVE OUR STREAMS LEVEL-TWO SURVEY SUMMARY

M	Minnow mayflies			M	Alderfly		
L	Brush-legged mayfly			L	Hellgrammite/Fishfly		
L	Flatheaded mayfly	9	1	Miscellaneous Insects			
L	Spin-crawler mayfly			M	Springtails		
M	Stout-crawler mayflies			M	Aquatic moths		
M	Burrowing mayflies			Diptera			
Plecoptera				H	Non-biting midge	2	1
L	Patterned stoneflies			M	Black fly		
L	Brown stonefly			M	Crane fly	1	1
L	Roach-like stonefly			L	Watersnipe fly		
L	Giant stonefly			M	Dance fly		
L	Small winter stoneflies			L	Net-wing midge		
L	Winter stonefly			M	Dixid midge		
Trichoptera				H	Other true flies		
M	Common netspinner	3	1	Crustacea			
L	Net-spinning caddisflies	4	1	H	Aquatic sowbug		
L	Free-living caddisfly			M	Crayfish		
L	Case-building caddisflies			M	Scud/Sideswimmer		
Odonata				Mollusca			
M	Dragonflies	8	1	M	Operculate snails		
H	Damselflies			H	Non-operculate snails		
Coleoptera and Hemiptera				M	Clams		
M	Riffle beetle	3	1	L	Mussels		
L	Water penny	5	1	Annelida and Platyhelminthes			
M	Whirligig beetle			H	Aquatic worms	2	1
M	Long-toed beetle			H	Leeches		
H	Other beetles and True			H	Flatworms		
Totals				Totals			
				(L) Low (M) Moderate (H) High			
				0 1 2 3 4 5 6 7 8 9 10			

Discuss present and future treats or provide any additional comments: _____
