

WV SAVE OUR STREAMS SURVEY SUMMARY

Complete the following information to the extent possible. When completed you can enter the summary information in the Volunteer Assessment Database (VAD) or if you choose not to enter the data yourself, provide a copy of your original survey data sheet and this summary to the Citizen's Monitoring Coordinator.

LOCATION INFORMATION

Stream _____ RR miles _____ Date(s) _____
 Monitor(s) _____
 Directions _____ Start/end times

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 _____ County _____
 Latitude _____ Longitude _____ Watershed _____

WATER CHEMISTRY

	Result	Units		Result	Units		Result	Units
Temp. (°F or °C)			Alkalinity			Fecal coliform/E-coli		
pH			Nitrate/Nitrite			Iron		
Conductivity			Phosphates			Aluminum		
Dissolved O ₂			Dissolved Solids			Manganese		
Acidity			Turbidity			Other (describe)		

Describe other conditions analyzed: _____

PHYSICAL CONDITIONS

Water clarity _____	Algae color _____
Water color _____	Algae abundance _____
Water/Sediment odor _____	Algae texture _____
Streambed color _____	Surface foam _____
Comments _____	

Riffle width _____	Run width _____	Pool width _____	<table border="1" style="display: inline-table;"><tr><td style="width: 40px; height: 20px;"></td><td style="width: 40px; height: 20px;"></td></tr></table>		
Riffle depth _____	Run depth _____	Pool depth _____	Feet Meters		
Indicate units					

PEBBLE COUNTS

Estimate <table border="1" style="display: inline-table;"><tr><td style="width: 40px; height: 20px;"></td></tr></table> Count <table border="1" style="display: inline-table;"><tr><td style="width: 40px; height: 20px;"></td></tr></table>			Entire reach <table border="1" style="display: inline-table;"><tr><td style="width: 40px; height: 20px;"></td></tr></table> Riffles only <table border="1" style="display: inline-table;"><tr><td style="width: 40px; height: 20px;"></td></tr></table>		
Silt/clay Sand Fine gravel Coarse gravel Cobble Boulder Bedrock Woody debris					
Index <table border="1" style="display: inline-table;"><tr><td style="width: 40px; height: 20px;"></td></tr></table>					

FLOW CONDITIONS

Discharge (cfs) _____

Water level	Low	Normal	High	No flow
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Current/past weather conditions: _____

HABITAT CONDITIONS

Sediment deposition	<table border="1" style="width: 100%; height: 20px;"></table>	Bank stability	<table border="1" style="width: 100%; height: 20px;"></table>	Comments _____ _____ _____
Embeddedness	<table border="1" style="width: 100%; height: 20px;"></table>	Riparian buffer width	<table border="1" style="width: 100%; height: 20px;"></table>	
Total Score	<table border="1" style="width: 100%; height: 20px;"></table>	Channel shade	<table border="1" style="width: 100%; height: 20px;"></table>	
Integrity Rating	<table border="1" style="width: 100%; height: 20px;"></table>			

BIOLOGICAL CONDITIONS

Total Taxa	<table border="1" style="width: 100%; height: 20px;"></table>	Biotic Index	<table border="1" style="width: 100%; height: 20px;"></table>	Integrity Rating _____
EPT Taxa	<table border="1" style="width: 100%; height: 20px;"></table>	Stream Score	<table border="1" style="width: 100%; height: 20px;"></table>	

Other aquatic organisms observed or collected (e.g., fish, salamanders etc.), or additional comments: _____

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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 ¼ 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
Single family residences		
Sub-urban developments		
Urban areas		
Industrial areas		
Parking lots, malls etc.		
Bridges		
Paved roads		
Unpaved roads		
Active construction		
Parks, trails etc.		
Other recreation		
Landfills		

	Impact	Location
Trash dumps		
Intensive feedlots		
Pastureland		
Cropland		
Oil & gas wells		
Logging		
Mountaintop mining		
Abandoned mining		
Deep mining		
Quarries		
Other (describe)		

Comments: _____

Pipes? Discharge Yes No

BENTHIC MACROINVERTEBRATES: Record the total number or abundance estimate (#) and number of kinds (K) for the macroinvertebrates collected.

Low			Moderate			High		
	#	K		#	K		#	K
Mayflies <i>Ephemeroptera</i>			Mayflies <i>Ephemeroptera</i>			Damselflies <i>Zygoptera</i>		
Stoneflies <i>Plecoptera</i>			Common netspinner <i>Hydropsychidae</i>			True bugs <i>Hemiptera</i>		
Case-building caddisflies <i>Trichoptera</i>			Dragonflies <i>Anisoptera</i>			Other Beetles <i>Coleoptera</i>		
Net-spinning caddisflies <i>Trichoptera</i>			Riffle beetle <i>Elmidae</i>			Non-biting midge <i>Chironomidae</i>		
Free-living caddisfly <i>Rhyacophilidae</i>			Other Beetles <i>Coleoptera</i>			Other True flies <i>Diptera</i>		
Water penny <i>Psephenidae</i>			Alderfly <i>Sialidae</i>			Aquatic sowbug <i>Asellidae</i>		
Hellgrammite/Fishfly <i>Corydalidae</i>			Black fly <i>Simuliidae</i>			Non-operculate snails <i>Pulmonata</i>		
Watersnipe fly <i>Athericidae</i>			Crane fly <i>Tipulidae</i>			Aquatic worms <i>Oligochaeta</i>		
Mussel <i>Unionidae</i>			Other True flies <i>Diptera</i>			Leeches <i>Hirudinea</i>		
Operculate snails <i>Prosobranchia</i>			Water mite <i>Hydrachnida</i>			Flatworms <i>Turbellaria</i>		
Totals			Crayfish <i>Cambaridae</i>			Totals		

Abundance ratings: > 50 (Abundant) = 6; 5-50 (Common) = 3; < 5 (Rare) = 1

Scud/Sideswimmer <i>Gammaridae</i>		
Clams <i>Veneroida</i>		
Totals		

Total kinds	
Total number	

ADDITIONAL COMMENTS

VAD SURVEY CODE: _____

Website: <https://go.wv.gov/sos>

Questions? Email Callie.C.Sams@wv.gov