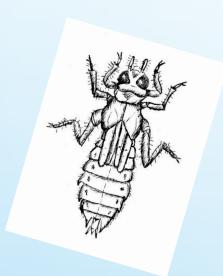
Developing Student Scientists:

THE WATERSHED REPORT CARD







Ann Strozyk
HCPSS Environmental Educator





WATERSHED REPORT CARD Student Scientists in Action

#hcmwee





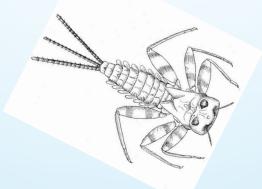


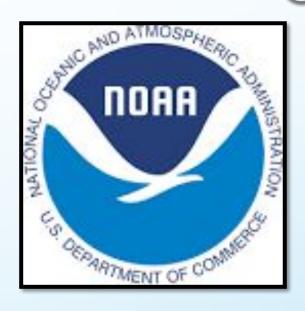
Howard County Conservancy

Funding and Support











Real Life Question

How do we as students solve the problem of declining water quality in our watersheds?





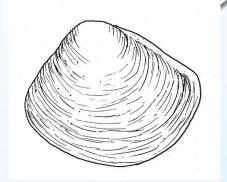






Plan for Learning









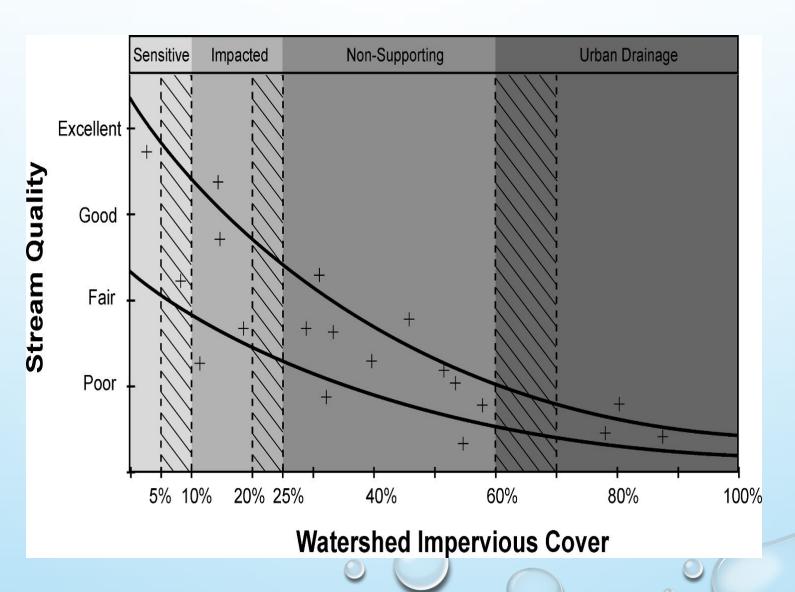


Step 1: Data Collection Step 2: Data Analysis

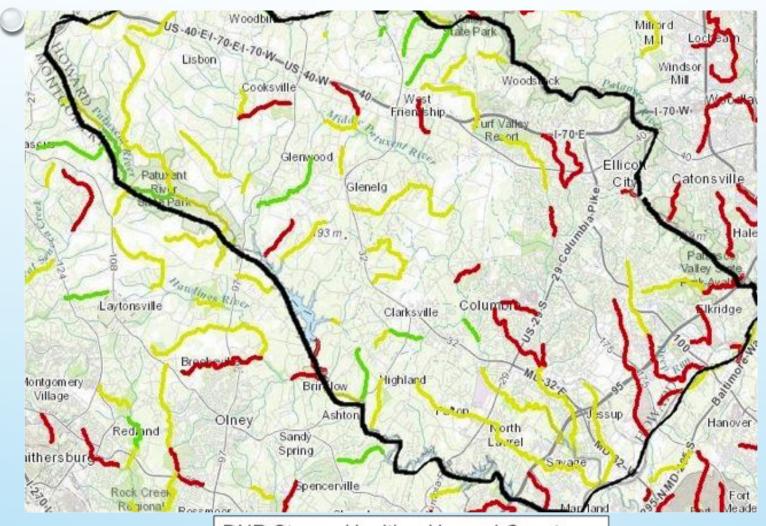
Step 3: Advocacy & Action Plan

Step 4: Summit

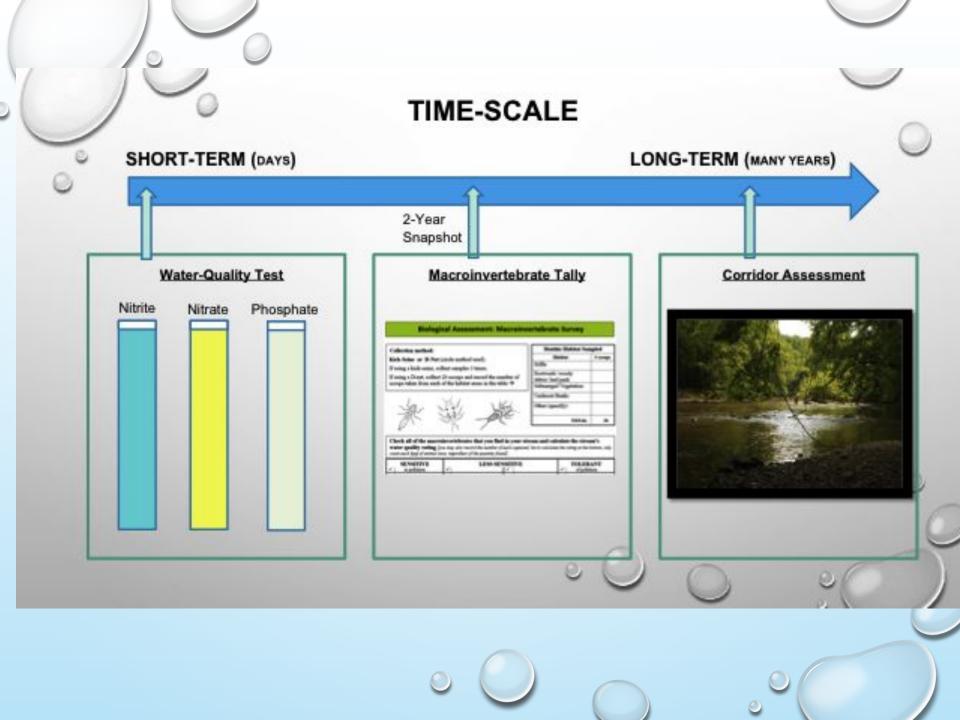
Stressors to Streams



Howard County Stream Health



DNR Stream Health - Howard County



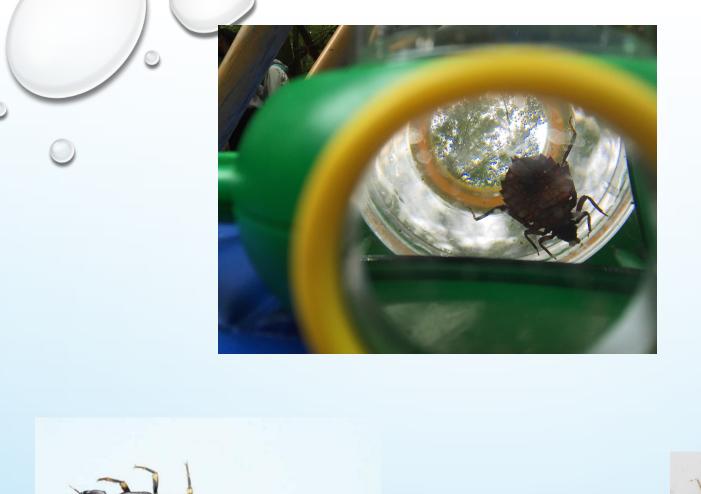
Data Collection

Bei	nthic Habitat	Hab itat	Riffles	Pools	Runs	Rootwads/leafpack/woodydebris		Submerged V egetation		tion	Under cut Banks	
	Samp led	Sampled? 🗸										
he	provide a contract of the contract	nacroinvertebrates	_			calculate t	the s					
/	SENSITIV to pollution			✓ LESS SENSITIVE to pollution				SOMEWHAT T to pollution	OLERANT	✓	Acres and	ERANT llution
	Casemaker			Net Spinning Caddisflies				Clams 6			Aqua	tic Worms 🍶
	Caddisflies		355					Mussels		Black Flies		
	Mayflies	學養學	C	Crane Flies				Planaria _	*		Midg	e Flies
	Stoneflies	運 選 季	D	Dragonflies A				Gilled Snails		Leeches Lunged Snails		
		TIT										
	Water Pennies Hellgrammites		D	Riffle Beetles				Crayfish		Damselflies —		
								Scuds	A PARTY		Aqua	tic Sowbugs 🛶
Ì	# check marks		#	# check marks				# check marks		# check marks		
	# above x 3	3=	#	above x 2 =				# above x 1=			# abo	ve x 0 =
iol	ogical Wate	r Quality Rating	:									
dd	up the numbe	ers you calculated fo	r all four cat	egories above				Write the total	# here:			

Howard

HOMERE

AND MARYLAND

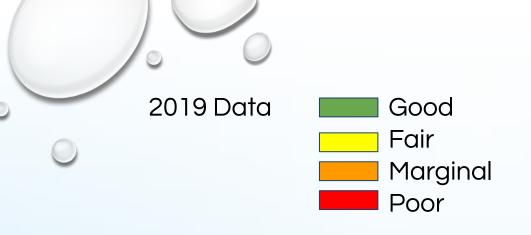












Middle Patuxent at Sweet Hours Way COLUMBIA

Little Patuxent at Lake Elkhorn COLUMBIA

Middle Patuxent at Southwind Trail CLARKSVILLE

Little Patuxent at Macomber Lane COLUMBIA

Little Patuxent at Faulkner Ridge COLUMBIA

Middle Patuxent at Shady Lane GLENWOOD

Water Reporter Cooksville 70 70 70 Woodlawn 70 70 Catonsville Ellicott City Arbutus DORSEY'S SEARCH Lansdowne Dayton Broo Relay **O**Columbia LONG 650 REACH 95 Linthicum RIVER HILL HICKORY RIDGE Hanover OWEN BROWN Ferndal Highland (29) 295 BWI Glen E

Student Recommendations







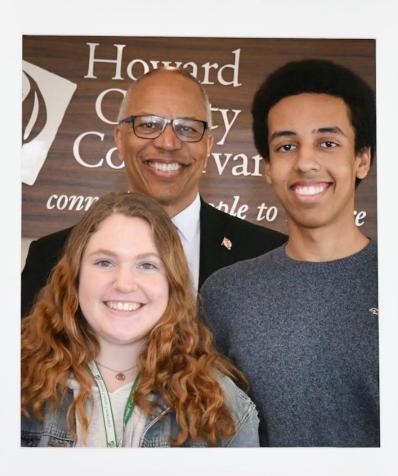


Personal Stories





PERSON of the YEAR



Senator Cardin



WATERSHED SUMMIT

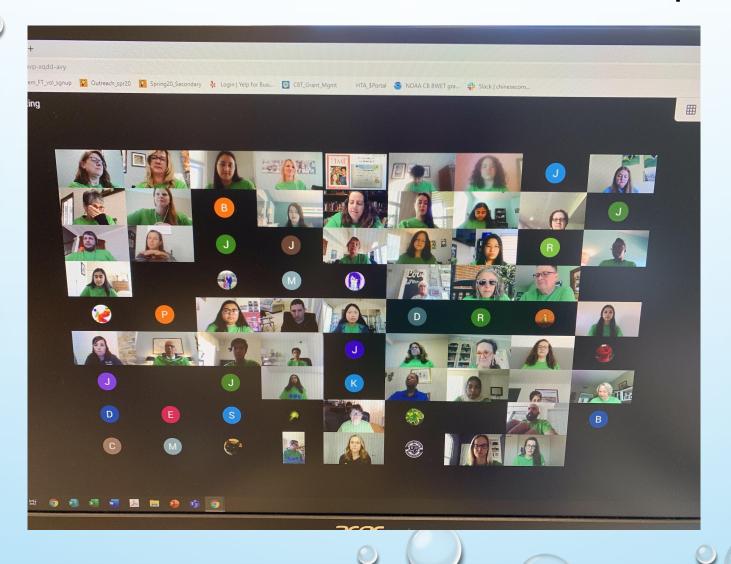
- Students share results and recommendations
- 300+ attendees!
- Watershed advocates meet with VIPs







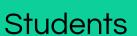
Virtual Watershed Summit-April







Community



Teachers

Parents





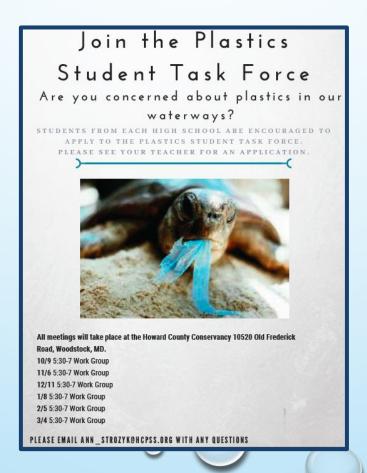
Spin Off Programs

EC Student Task Force

Plastics Student Task Force

Climate Change Institute







Outcomes & Dumb Luck!

Students

- Watershed vernacular
- Jobs
- Action Projects
- Surge of Activism

Teachers

- Using questions to drive the learning
- Mentoring
- Systemic Meaningful Watershed Educational Experience (MWEE)

Community

Gala Night



Contact Information

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Twitter handle: @AnnStrozyk

FOR MORE INFORMATION ON THE WATERSHED REPORT CARD:

HTTP://WWW.HCCONSERVANCY.ORG/WATERSHEDSUMMIT.HTML

