

THE RIVER RUNS

News from the Cowpasture River Preservation Association



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Summer is *float season* in the headwaters region of the Alleghenies (archive photo). Enjoy the beautiful Cowpasture River...

And don't forget to send us your best **PHOTOS** of the water, weekends or wildlife you experience.

Board of Directors (2016-2017)

Officers:

Nelson Hoy, President

Ann Warner, Vice President

Anne McVey, Secretary

Kate Loeffler, Treasurer

Directors:

Lucius Bracey

Richard Brooks

Caryl Cowden

Monroe Farmer

Bill Hardbarger

Marshall Higgins

Stewart Hobbs

Dick Lynn

Christopher Peters

Steve Van Lear

Joe Wood

Staff:

Mike Hayslett,

Executive Director

Editor: Mike Hayslett

Photographer: Kathy Farmer

From the President

My Fellow Members:

Thank you so much for expressing confidence in my serving as your president.

Three years ago, Lizzie and I made a commitment to support the Cowpasture River Preservation Association and to help preserve the Cowpasture and Bullpasture Rivers. Our contributions during the first three years have been; firstly, efforts to ensure the transition of water quality monitoring from Polly Newlon's oversight to a CRPA Water Quality Monitoring Committee. Secondly, the research, writing or editing of a 12-essay series on "Water Resource Stewardship" published by *The Recorder*. Thirdly, a 22-month engagement of the Federal Energy Regulatory Commission that articulated the environmental threats posed to the valley's surface and ground water resources by the construction of the Atlantic Coast Pipeline.

Looking forward into the next 12 months, I foresee seven promising opportunities for the Association's membership to work collaboratively in making the Cowpasture River Valley of Virginia a more wonderful home-place that values water quality:

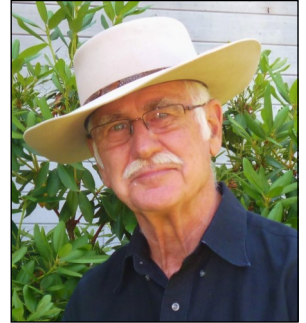
- To support steadfastly our all-volunteer "Water Quality Monitoring" program.
- To ensure that *The River Runs* is the best newsletter it can possibly be.
- To nurture the embryonic "Watershed Education" program for public school children.
- To grow the Association's membership base.
- To stop the Atlantic Coast Pipeline from being built or mitigate its negative impacts.
- To strengthen the Association's nonprofit governance and the Executive's operations.
- To initiate a "Financial Development" program that brings long-term financial stability.

Quite obviously, whatever promising "goals" are pursued on behalf of the Cowpasture River watershed, others besides myself on the CRPA Board of Directors and among the Association's membership also must see these initiatives as being highly worthwhile. Several members have already stepped forward including: Puggy Farmer together with Roger Baroody agree to advance our Water Quality Monitoring program; Mike Hayslett agrees to serve as Editor-in-Chief of *The River Runs*; Kathy Farmer and Dave Peters have agreed to co-chair the Watershed Education program; Steve Van Lear together with Ann Warner and Caryl Cowden will continue to lead the Membership Development program; Ann Warner agrees to "lead the charge" to help delay and defeat the Atlantic Coast Pipeline; Stewart Hobbs agrees to guide our efforts to improve the Association's nonprofit governance; and Lucius Bracey agrees to lead our efforts to initiate a long-term Financial Development program.

So ladies and gentlemen, please step forward and make a contribution of your time and talent!!!

With warm regards,

Nelson Hoy



Executive Director's Corner

Hello to Everyone,

I hope you have occasions to experience the Cowpasture River this summer... floating, swimming, fishing, or sight-seeing. My wife and I have made several floats and been amazed at the number of boaters on the lower sections of the river — it's very popular.* Please share your experiences and photos through our Facebook page!

Spring pools are near gone; red does appear with their fawns, and thunderstorms come and go; butterflies in flowered meadows tease the eye, and the season relaxes. Slow your pace long enough to appreciate Nature's rhythms and you can better understand why it's worth all efforts to protect this watershed we enjoy. You realize that in the *big picture* of timeless life and landforms, preserving this precious headwaters region from the short-sighted and destructive path of a pipeline to elsewhere is worth our trouble to save it! *Please help the CRPA oppose the proposed Atlantic Coast Pipeline from scaring the Allegheny Highlands area and from negatively impacting the natural qualities of the Cowpasture River watershed. See page 7 for a simple tool (sign) that we've reproduced for your use in spreading the word. Thanks!*

I hope that you might be able to join us for the July 30th Picnic — to enjoy the river and the company of friends, and to renew your personal commitment to **Protect the Things You Love**.

*60 vehicles parked at the Evans Tract & Sharon Park access points on Memorial Day



Photo by Kathy Farmer

Meet Our New Board Members

Kate Loeffler grew up on the Cowpasture River and has a love and respect for its beauty. Her professional background was spent entirely in the travel and tourism industry from small restaurants to resorts. On the administration side she recruited for large resorts with a 1,000+ employee base. She was also fortunate to spend 4 years in the event planning and group sales side of resort operations. Both backgrounds of which have been very helpful to her since purchasing the inn at gristmill square (a 17 room inn and 50 seat restaurant) in 2011. Since then, she and her husband, John, have worked tirelessly to grow their business by not only improving their existing offerings but branching out into the catering market. Her day to day responsibilities included inn operations from reservations to housekeeping, catering and event planning, marketing and all social media, and daily accounting for both the restaurant and inn. In her free time, she enjoys traveling and spending time with her husband and two dogs. Whether she's in the woods or on the river, she can be found outside enjoying Bath County's beauty.



Richard Brooks has had the good fortune to visit all 50 states, have residence in eight, but only calls Virginia home. He and his wife, Mindy, have two world-traveling daughters, Katherine and Rebecca. All four learned nearly everything they know about fishing, floating, and stone skipping in or on the Cowpasture River. As the son of Bob and Pat Brooks and grandson of Penn and Carol Brooks, this river has indeed run through Dick's life.

Professionally, Dick's career is in sales and marketing, with leadership posts at several technology and data companies. Today, he consults for a tech firm in the West and a private equity firm in the Midwest, which has given his family an opportunity to move to Virginia full time—a dream fulfilled.



Monitoring Water Quality

Riparian & Karst Buffers: Effective Water Quality Protection

by C. Nelson Hoy, Forester, Rancher and Conservationist

The Board of Directors of the Cowpasture River Preservation Association, Inc. unanimously voted to protest both the appearance and reality of egregious conflicts of interest over water quality, to protest the apparently calculated and orchestrated evasion of the National Environmental Policy Act, to unequivocally stand in opposition of the Federal Energy Regulatory Commission under these circumstances granting a "Certificates of Convenience and Necessity" to build and operate the Atlantic Coast Pipeline. Sunday, March 6th, 2016

WILLIAMSVILLE – Riparian and karst buffers are arguably the single best conservation practice for protecting surface and ground water quality.

Both riparian (stream-side) and karst (permeable carbonate rock) buffer areas serve multiple purposes including: reducing erosion, filtering sedimentation, filtering pollutants or contaminants, cooling streams, moderating temperature swings, and providing wildlife habitat and travel corridors. Science-based variable factors in buffer design and implementation include: soil characteristics and erodibility, slope gradient or percent, slope length or distance, vegetative cover and condition, and the nature of the pollutant or contaminant. In karst terrain however, the scientific and technical challenges are complicated because four more variable factors come into play: (a) how deep does surface and then ground water infiltrate karst formations, (b) what direction does the karst ground water flow, (c) how far does the karst ground water move horizontally, and (d) do any private or public wells draw upon these karst waters or do they resurge as karst springs?

Evaluation of Water Pollution Impacts – The Atlantic Coast Pipeline (ACP) has apparently chosen not to assess the environmental impacts of pollutants including soil and rock, bacteria-laden debris, industrial solvents and oils, and industrial hazardous materials upon: (a) surface rivers and streams, (b) ground water aquifers, (c) karst springs and seeps, (d) wetlands and bogs, and (e) aquatic wildlife and plants. The ACP Resource Report No. 2 – Water Use and Quality, furthermore, is substantively devoid of environmental impact assessments, analyses, evaluations, appraisals or predictions. Instead, the Natural Resources Group (NRG) leap-frogs to dumbed-down and rule-of-thumb buffer distances that blatantly ignore any recognition whatsoever of the scientific basis for designing, building and maintaining riparian or karst buffer areas. Most likely, the ACP/NRG excuse for this oversight is the guidance provided by the Federal Energy Regulatory Commission (FERC) which appears sound asleep at the throttle and perfectly happy for the ACP/NRG to apply archaic and out-dated rules-of-thumb fixes.

FERC Rule-based Decision Making – The Federal Energy Regulatory Commission is promulgating dumbed-down and Neanderthal-like rule-based decision-making for riparian and karst terrain buffers. As an illustration, the FERC recommends a rule-based vulnerability measure for drinking water supplies stating, *"Identify by milepost all drinking water supply wells, including private, community, municipal/public wells, and springs within 150 feet of any area that would be disturbed by construction."* (See: FERC, page 3-27). However, Dr. Neven Kresic, Ph.D. in Geology, Professor of Groundwater Dynamics at the University of Belgrade, Senior Fulbright Scholar at the U.S. Geological Survey and arguably the world's leading authority on water in karst terrain states, *"Sometimes, with the best intentions, various government agencies...create guidance documents...on karst vulnerabilities that are confusing at best...misleading and potentially harmful. [A] typical example is a recommended minimum distance for which there should be concerns regarding certain practices; if such distance is greater than the rule of thumb, the concern somehow disappears [and] then there is no concern. Whatever the karst-related concern may be, it is best to perform a site-specific assessment and not rely on some rules of thumb..."* (See: Kresic, page 556). There is no scientific basis whatsoever for the following FERC-promulgated rules of thumb:

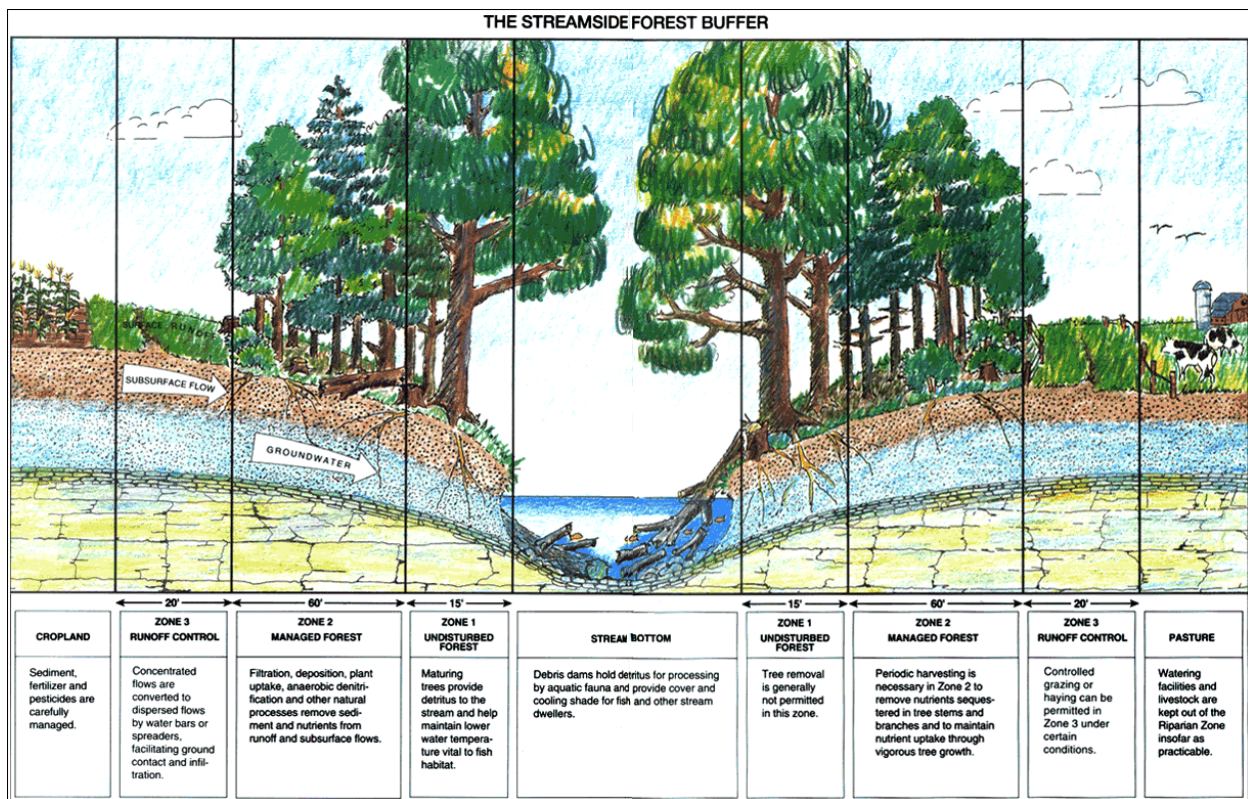
Continued next page...

- Determining the location of public and private water supply wells or springs within 150 feet of construction.
- Restricting hazardous materials storage, equipment refueling or parking within 100 feet of karst terrain features, wetlands or waterbodies; within 200 feet of private water supply wells; or within 400 feet of public water supply wells.
- Conducting pre- and post-construction tests of water quality and quantity for wells within 150 feet of the construction area.

Purposes or Functions of Buffer Areas – Ecologists have recognized for more than 25 years that riparian and karst terrain feature buffer areas are the single most effective conservation strategy for protecting water quality. Riparian and karst buffer areas protect surface and ground water quality by filtering debris, sedimentation, nutrients and contaminants. Buffer areas promote stream bank stabilization, reduce erosion and provide food and habitat for aquatic wildlife. Riparian and karst terrain buffer areas intercept overland stormwater flow, increase water travel time and reduce peak floods. And buffer areas with mature trees also reduce water temperatures, enhance cold water habitat, and supply organic nutrients. What the Federal Energy Regulatory Commission should be doing but it is not doing, and what the Atlantic Coast Pipeline should be doing but it is studiously avoiding is to apply the best possible science in the design, construction and maintenance of riparian and karst buffers.

- Dozens of science-based studies illuminate the observation that stormwater Best Management Practices (BMPs) absolutely will not mitigate the risks and exposures to water quality from industrial-scale development nor permit the rehabilitation of a site to its pre-construction and natural status.
- Buffer strip width recommendations to protect surface water intakes, based upon research conducted by the New Jersey Agricultural Experiment Station at Rutgers University in 1989, vary from 50 feet (1% slope in mature forest with heavy ground cover and a hay meadow) to 775 feet (15% slope in areas with little vegetation and untilled alluvial fans). Science consistently indicates that steeper slopes above 15% become progressively more problematical and further, 30% slopes or greater create an almost impossible challenge.
- The effectiveness of riparian and karst terrain feature buffers is determined to a significant degree by the percent slope or gradient. As the slope increases from 10% the challenge becomes progressively greater. Additionally, the length of a slope influences effectiveness.
- The vegetative cover type(s) determine the effectiveness of riparian and karst terrain buffer areas. Well established grasslands are particularly effective in trapping sediment. Forest root systems are particularly effective in stabilizing banks and absorbing nutrients. Shrub cover falls roughly in between. The optimal approach is a mix of vegetative types in two or three zones.
- The effectiveness of riparian and karst terrain feature buffer areas are determined to a meaningful degree by the site-specific soil type. Moderately and highly erodible soils are less effective as buffer areas. Clay-based soils do not readily absorb water.
- The proximity of a waterbody or karst terrain feature to the location of a water pollution hotspot and the nature of contaminants in these hotspots influences the environmental risks and exposures, and the effectiveness of a buffer area.
- The three-zone riparian buffer system, arguably the most rigorous approach to effective buffer design, was originally developed as a stratagem for protecting the Chesapeake Bay. Note however that the three-zone riparian buffer system was not designed to handle the extraordinary challenges created by industrial scale linear developments in rugged mountainous terrain. See the illustration on the next page.

Continued next page...



Source – Chesapeake Bay Riparian Handbook: A Guide for Establishing and Maintaining Riparian Forest Buffers.

Note that “The Streamside Forest Buffer” illustration above is appropriate for slopes of perhaps 1% to 5%, however, steeper slopes require much wider buffer areas with 775 feet or more being appropriate for a 15% slope.

Recommended Conservation Actions – The Atlantic Coast Pipeline, LLC has apparently chosen not to adapt state-of-the-practice know-how in establishing riparian and karst buffer areas. Therefore, citizens of the Cowpasture River Valley of Virginia and the general public along the Atlantic Coast Pipeline route should figuratively speaking hold the FERC Commissioner's bare feet to the fire of enlightened public opinion and insist upon the best possible science-based standards of riparian and karst buffer design, construction and maintenance. More specifically:

- Establish karst and riparian buffer width distances based upon science and with six variable factors taken into account including: soil characteristics and erodibility, slope gradient or percent, slope length or distance, vegetative cover and condition, karst sinkhole depth and direction, plus a three-zone buffer design or schema.
- Absolutely do not rely solely upon cookbook stormwater “Best Management Practices (BMPs)” and particularly BMPs promulgated by the Federal Energy Regulatory Commission, to effectively mitigate the risks and exposures to ground and surface water quality from industrial-scale development nor to rehabilitate a site to its pre-construction and natural status.
- The optimal approach must be to combine science-based riparian and karst buffer areas along with the most environmentally-friendly possible “Best Management Practices”.

Technical References –

Let the mountains ring!!!

FERC Office of Energy Projects, Guidance Manual for Environmental Report Preparation (Washington, DC: Federal Energy Regulatory Commission, 2002), 150 pages.

Neven Kresic, Water in Karst: Management, Vulnerability, and Restoration (New York, New York: McGraw-Hill Professional, 2012), 736 pages.

Paleone, Roxanne S. and Albert H. Todd (editors), Chesapeake Bay Riparian Handbook: A Guide for Establishing and Maintaining Riparian Forest Buffers (Annapolis, Maryland: USDA Forest Service, NA-TP-02-07, Revised June 1998), Approximately 300 pages.

OUR FIELDS OUR FORESTS

OUR RIVERS

NO PIPELINE

Annual Meeting Highlights



IT WAS ALL SMILES at the 44th CRPA Annual Meeting at *Camp Mont Shenandoah* on May 21st.

Photos clockwise from top left: 1) 65 attendees in company; 2) Past President, Puggy Farmer and our 2016 Host (and VP), Ann Warner; 3) *Appalachian Mountain Advocates* guest speakers (L to R), Joe Lovett, Kate Asquith, and Isak Howell ; 4) delicious dinner catered by *Garth Newel* staff; 5) Silent Auction contributing artist, Nan Mahone Wellborn; 6) New President, Nelson Hoy and Membership Chair, Steve Van Lear.



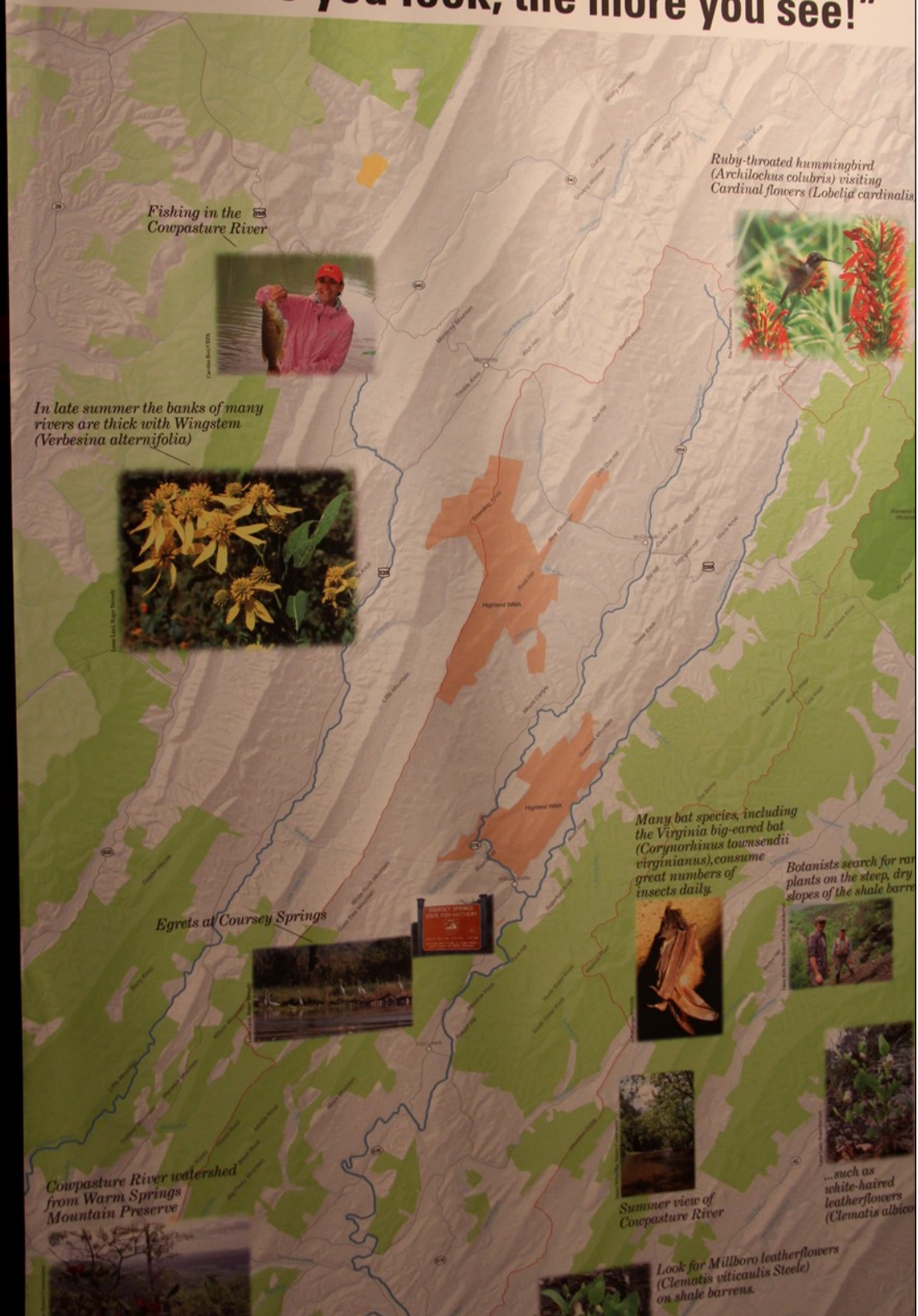
*Thanks,
Ann !!!*



Cowpasture River

James River Watershed

"The more you look, the more you see!"



Watershed Display Featured at the 2016 CRPA Annual Meeting.

JULY 30, 2016

CRPA ANNUAL PICNIC & FAMILY FUN DAY

SYCAMORE BEND – 3634 WESTMINSTER ROAD, MILLBORO

3:00-5:00 pm (guided/upstream river float, socialize, games, etc.)

5:30-6:30 pm (cocktail hour)

6:30 pm (picnic dinner) concluding by 8:00 pm

⇒ **Please RSVP your # by July 22** to directorcrpa@gmail.com

Only \$8.00 per person & children **under 12 FREE**.

Drinks and Meats will be provided. Come join in the summer fun!

⇒ **Please bring a covered-dish item and your lawn chairs.**



Fall River Clean Up at Walton Tract – Saturday, October 22

If you're interested in helping, please contact Mike at directorcrpa@gmail.com



The **River Monitoring Team** took a little break from their labors for a cookout on June 18, hosted at Upper Sharon (*Thanks, Mike & Marla!*). They have been busy recruiting new volunteers (team >12 now), conducting Spring “bug picks” and the *Macros-ID* training at Indian Draft Farm on June 11 (*Thanks, Kent!*), plus purchasing materials to support the river monitoring program through the \$2,100.00 VDEQ Grant #16229 secured by Sara Bell (*Thanks, Sara!*). For more info on the program or to join the Team, Contact **Water Quality Monitoring** Committee Co-Chair, Puggy Farmer, at cowpastureriverhawk@yahoo.com

Watershed Education on the River

Spring Report From The (Busy) Education Committee

by Mike Hayslett, Executive Director

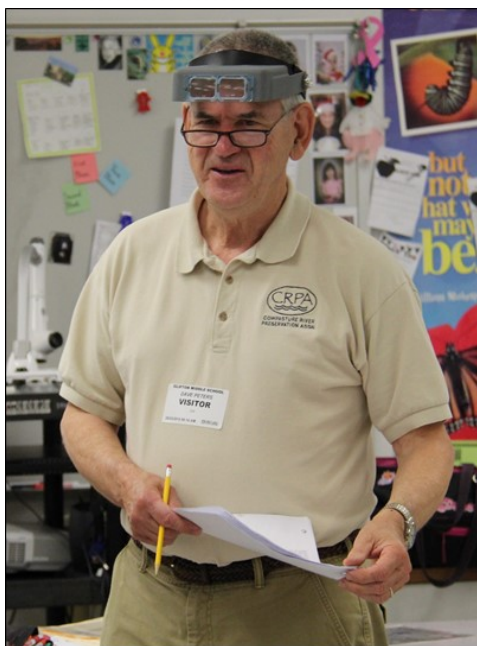
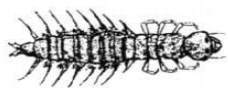
Editor's note: The CRPA by the essence of its charter engages in educational activities within the Cowpasture River Valley of Virginia, for the purposes of creating awareness among students, citizens, and officials of the critical need to protect our surface and ground water resources, and of stimulating interest in progressive stewardship.

CLIFTON FORGE – Spring was a busy time for CRPA education! To provide readers with an update on the tentative commitments discussed in the last issue of *The River Runs*, here is a listing (and photos) of real accomplishments.

The CRPA Education Committee now consists of Kathy Farmer and Dave Peters as Co-Chairs, Kim Manion (Millboro Elementary School), and Mike Hayslett. Audiences reached this past season included some 450 youth and 40 adults of area middle, high, and college students; teachers, camp staff, and citizen scientists. Special **THANKS!** go to Puggy Farmer and Mike Whiteside of the **River Monitoring Team** for their many volunteer hours of instructing river labs and assisting with the classroom “leaf packs” activity — a current favorite in the schools. Leaf litter bags are planted in the stream to be colonized by macro-invertebrates and later examined in the classroom as a hands-on lab activity. It’s messy but fun, and students really enjoy it! It’s a practical alternative when schools cannot get to the river. This approach also works well for off-river demos when we wish to show the stream indicator “bugs”. We’re grateful to all who’ve been involved in this outreach work and especially excited to see the merger of Monitoring and Education in working hand-in-hand for the mission of the CRPA! Here’s the run-down of Education activities from this Spring:

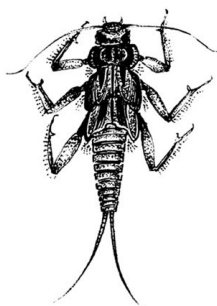
- ♦ March 8 Planning meeting with ecology instructor at Bath County High School (DP, MH).
- ♦ April 8 Classroom *leaf packs* labs at Millboro Elementary School for 32 Science 4th and 6th graders (DP, PF).
- ♦ April 16 Stream sampling demo provided for VDEQ and the Alleghany Highlands Master Naturalist chapter trainees at *Camp Accovac* near Millboro (PF, MW, MH).
- ♦ April 19 Water Quality Station booth at Dabney (DSLCC) for the annual VCE Agriculture/Natural Resources 4-H Field Day for 230 Alleghany County 5th graders and their teachers (PF, MW, MH).
- ♦ April 20 Planning meeting with science department faculty at Alleghany High School (MH, KF).
- ♦ April 23 DSLCC Forestry Club float on the Jackson (PF, MW).
- ♦ May 23-24 Classroom *leaf packs* labs (six 97-minute blocks) at Clifton Middle School for 58 Life Science 7th graders (DP, PF, MH).
- ♦ May 26 Classroom *leaf packs* labs at Bath County High School (DP, PF).
- ♦ June 1 Millboro Elementary School assembly with *Winding Waters* presentation to 45 4-7th graders (followed by wetlands field station to 18 students) for MES’s first Watershed Field Day (MH, PF).
- ♦ June 14 River lab hosted for four young men from the *Boys Home of VA* and their instructor (Stephen Hodges, Alleghany High School) at the Upper Sharon monitoring station (MW, PF).
- ♦ June 20 River lab and basic monitoring training with six counsellors at *Camp Mont Shenandoah* (PF, MW).

Lessons Learned? Kids Love Macros ID!



Photos clockwise from top left:

1) *Lots!* of 5th graders at the DSLCC Field Day; 2) **Puggy** adjusts a student's magnifying visor at the DSLCC booth; 3) **Mike Whiteside** instructs *Camp Mont Shenandoah* counselors on the banks of the river; 4) *Boys Home* boys do a "bug pick"; 5) **Mike W.** and **Puggy** show them the art of river sampling with a kick-seine; 6) **Brent Maccentelli**, DSLCC Forestry student and CRPA's first college intern (recruited by Puggy), at the June 11 training—he will earn two college credits for his 175 hours of monitoring and education activities performed with the CRPA this year (photo by MH; all other photos by **Kathy F.**); 7) **Dave Peters** in the classroom at Clifton Middle School.



PERSPECTIVE Folks living within and enjoying the Cowpasture River watershed — and the surrounding Allegheny mountain region in general — are blessed with an amazing abundance of ground and surface waters that much of the world does not enjoy. In fact, there is considerable attention in the media about severe water scarcity that now impacts **half the human population of the world** (at least for part of the year)! Living in a water-secure region as we do — where water always flows and sometimes too much — makes it easy to forget how precious natural waters are and how important it is to take care of them (rivers, creeks, springs, lakes, ponds, wetlands, etc.). Increased demand for water to supply “outsiders” will eventually and likely reach even our remote mountain refuges. This reality should bring perspective to our “love-hate relationship” with our abundant water and our natural waters. Learn more about the global water situation at <https://thewaternetwork.com/> SEE the *2015 Annual Report: Moving Towards Implementation*, from The Water Network.



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...Worth a Thousand Words

These vintage images from the family archives of Past President, Puggy Farmer, show the “old bridge” (below present *Peters Bridge*) along US 42 in the Griffith Knob area. The girl pictured is Puggy’s mother, June Slough Farmer, (now 91) with her dog (“Ott”) and two boys from a “scout camp across the river”. They are enjoying the cool, Cowpasture waters in Summer 1937!

WE COVET YOUR PHOTOS...



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Thank You To Our Loyal Watershed Members

Includes dues and gifts received since Nov. 1, 2015. **Thanks!** for your continued support and **Welcome!** to our new members. **Total donations for current campaign = ~\$40,562.00** **Bold names** = gifts received since the spring

Bedrock Patrons

Rossie and Randy Hutcheson

Tom and Patti Watts
Jeanne and Christopher Carter
Kent and Ellen Ford
Tim and Lynn Pistell
Cowpasture Camp, Inc.
Lissy and Stewart Bryan
Carson and Jeff Sullivan
Anne and Jim McVey
Becky, Jennie, and Gene Downs
George Phillips family

Ann Howe and Robert Hilton

Wallawhatoola Society

Cleve and Barbara McGehee
Ann Warner—Camp Mont Shenandoah
Mike and Tricia Christian
Michael Wildasin
Celia and Jim Rutt
Lucius and Pam Bracey
Hope and Nolan Nicely, Jr.
Nellie and Truman Semans
Elizabeth Biggs and Nelson Hoy

Lou and Betty Robinson

Watershed Stewards

Garrett and Penny Gooch
Steve and Kelly Van Lear
Jean Ann Manner
Bill and Barbara Tavenner
Puggy and Kathy Farmer
Read Lunsford
Roger and Cynthia Baroody
Dick and Glovie Lynn
Chip Snead and Juanita Savage
Tal and Christine Kemper
Caryl and John Cowden
Billy and Susan Frank
Annette S. Kirby
Joan L. Rule
Morrison and Meryl Manner
Van Yahres family
Don Thomson
Ann P. McVey
Witcher and Elizabeth Dudley

Headwaters Circle

Mason and Cheryl Simpson
Keven and Cindy Rice
Bill and Nan Mahone Wellborn
William K. Jones and Lee F. Elliott
Marshall and Jane Higgins
Charles Black
Norwood and Susan Morrison
Wayne Cross
David A. Kirk
Anna and Tom Lawson
Doris and John Percy
Dave and Sandra Peters
David and Dawn Russell
Michael Crowder
Rick and Suzanne Miller
Marlibba Farms—David Ray, Jr.
Keturah Bracey and Jay Horine
Allan and Becky Howerton
Carrington L. Pasco
John H. Turner, Jr.
Bill and Christie Hardbarger
Julian “Mac” McLaughlin, Jr.
Angel and Ella Candelaria
Eddie and Sheri Walters
Richard and Rosemary Sutton
Robert C. Watts III
Jeremy and Laura White
Rodney Armstrong - Walnut Tree Farm

John Beach and Jane Lindsay

James and Sarah Redington
Jim English and Trisha Noel
Elizabeth C. Hereford
Patrick and David Higgins
Mead and Stolarz families
Dr. and Mrs. Philip C. Watt
Beverly H. and William E. Wilson
Joe and Kathy Wood
Robert C. and Mina Wood
David P. Brooks
Leighton and Pinky Houck
Ms. Mary Powell—McDaniel
Margaret A. Biggs
Dave and Polly Hawkes
Richard and Mindy Brooks

Annette S. Kirby

Mr. and Mrs. Frank Marks

River Guardians

Connie Russell
Anne Doll
Highlander Hunt Club
Paige Pistell Witte
Barbara Newlon
Ann F. Caldwell and Lou Houff
Lois and Gary Johnson
Marc Koslen
Fred and Peggy Paxton
Sally Branch and Roy Simmons
Roland Walters
Elizabeth Van Lear
Al Cleveland
Polly and David Hawkes
Elizabeth and Lloyd Lipscomb
Dick and Jean Miller
Remi Gratton
Dr. Edward Metzger
Percy and Anne Montague
Rachel B. Johnson and
Rev. Carl Pattison
Martha Rule
Mike Goode
Jim and Katherine Morris
Jon and Betsy Lasley
William Lipscomb
Peter and Iris Pistell
WG and Maxine Anderson
Layton Hulette
Dr. George B. Craddock, Jr.
Theodore J. Craddock
Garrett G. Gooch, IV
Stewart B. Hobbs, Jr.
Allan B. Howerton
Frank W. Morrison
Norwood O. Morrison
J. Alexander Owen
Paul T. Owen
John T. Percy, Jr.
Frederick A. Terrell, III
H. Bruce Thomson, III
Continued...

Thank You To Our Loyal Watershed Members

Includes dues and gifts received since Nov. 1, 2015. **Thanks!** for your continued support and **Welcome!** to our new members. **Total donations for current campaign = ~\$40,562.00** **Bold names** = gifts received since the spring

R. Thomas Watts, IV
Robert C. Wood, III
Matt & Linda Cauley
Alice Lancaster Buck
Michael and Marla Whiteside
Anne and Donald McCaig
Bill and Eleanor Washburn
Howard and Nancy Dobbs
C J and Bonnie Nicely
Martha Ruggles
Potomac Hunt Club, Inc.
Philip and Rebecca Cox
Bill Jones and Lee Elliott
Richard and Jean Miller
Dick and Glovie Lynn
Tenney Mudge (New Member)

Individual

Christy Farmer
Douglas Hopkins Somers
The Steadmans
Eddie Glover
William Hope Zollman
JM Lindsay
Gwendolyn Broce
Dr. & Mrs. John R. Redick
Adam & Katie Grist
Joshua & Edie Hardbarger
Matt & Jessica Reeves
Dimmitt K. Houff
Ann May Shelton
James & Adele Lambiase
E. Bowie Shepherd
Channing M. Hall, III
Patrick Higgins
Dan Miles
Lynda Davies
J. Lesslie Hall, III
Jennifer Hawes
Dee Lobe
Sally Bingley
Larry & Jo Denius

Barbara Keller
Gilbert L. Ramey
Robert Farmer & Whitney McCuskey
Steve Kijak
Amy Edwards
Everette Mays, Jr.
Mike & Dorothy Hayslett
Phil & Charlotte Lucas
Wade Evans
Jim LaVier
Kathleen Gordon
Robert & Roberta Koontz
Wade A. Neely
Lois D. Jeavons
David & Julia Covey (New Member)
Garland & Jacquelin Lynn (New Member)

Junior Members

Liam Enfield
Annalise Enfield
Finn Enfield
Ava Hawkes
Miriam Hawkes
Nicholas White
Natalie White

In Memory of:

Donald G. Arnold
*By Reis, Nelson, Rachford,
& Gooch families*

Donna Thomson

Tom and Patti Watts

David A. Jones

Douglas and Alice Lumbard

Michael & Catherine Madden

Dr. John and Elizabeth Cottrell

Michael & Catherine Madden

Ann Howe and Robert Hilton

Betsy and Jon Lasley

Paul Higgins

by Tommy and Kelly Slusser

by Dave and Sandra Peters

The CRPA's annual campaign runs from
Nov. 1, 2015—Oct. 31, 2016.

Our current campaign is 2/3 way into
its cycle. Dues and gifts received dur-
ing this campaign are essential to the
CRPA being able to carry on its mission
of stewarding the Cowpasture River.
Your support makes the difference!

THANK YOU for supporting the CRPA!

SEEKING SPECIAL VOLUNTEERS...

from our general members to assist with the prepara-
tion of mailings (collate, stamp, stuff, etc.) for on-call
basis to aid in mailers approximately 4 times per year.



If you're willing to help, please contact Mike:
directorcrpa@gmail.com

Did we get it wrong? We're sorry for any errors or omissions in this list.

We are happy to correct errors. Please contact Mike at directorcrpa@gmail.com



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- ☐ \$20 Individual (minimum annual membership donation)
- ☐ \$50 River Guardian
- ☐ \$100 Headwaters Circle
- ☐ \$250 Watershed Steward
- ☐ \$500 Wallawhatoola Society
- ☐ >\$500 Bedrock Patron
- ☐ Other _____ (or Memorial)
- ☐ I am a NEW member!
- ☐ I am RENEWING

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E-MAIL: _____

- ☐ I prefer to NOT have my name published as a contributor.
- ☐ Please send my newsletter by email version only.
- ☐ I am interested in becoming a volunteer river monitor.



(From a roadside near you?)