

THE RIVER RUNS

News from the Cowpasture River Preservation Association



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Cover Photo Credit:

Weeping Willow on the Cowpasture by photographer, Chuck Alvarez, of **Fire and Light Gallery** in Clifton Forge, VA. The full image was shot in March 2009 and is available by contacting him at fireandlight@ntelos.net or by calling 540-958-0886 .

Gorgeous! Thanks, Chuck.

Board of Directors (2016-2017)

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Nelson Hoy, President

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Stewart Hobbs, Treasurer

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Monroe Farmer

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Joe Wood

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Mike Hayslett,

Executive Director

Editor: *Mike Hayslett*

Photographer: *Kathy Farmer*

From the President

Cowpasture Ramblin'

My Dear Friends & Associates:

Like General Electric, "Progress is our most important product", and here's our latest progress report:

Financial Assessment: The CRPA wrapped up calendar year 2016 on a strong financial note. Gross income was up by 38% over the year before. Expenses were up about 10% over budget. So we ended with a net gain of about 10% or \$5,500. The Association's unrestricted net assets are now about \$85,000 or twice the Association's annual operating budget.

Membership Status: In the spring of 2016, the Cowpasture River Preservation Association's dues paying membership totaled about 274 individuals. Twelve months later, the Association's membership base includes about 375 people or a 37% increase.

Pipeline Fight: Your Association engaged both Dominion Resources and the Federal Energy Regulatory Commission with hard-hitting critical comments on significant issues that effect surface and ground water quality. The CRPA filed motions in protest over granting a variance from the Virginia 500-foot open trench rule, the conversion and taking of conservation easements for private financial gain, and policy and procedures for testing surface and ground water quality.

Public Schools: The Education Committee is planning wonderful classroom and field laboratory activities with students and teachers to explore the Cowpasture River watershed, water quality and macro-invertebrates. Educational outreach efforts touch elementary, middle and high school students, home-schooled children, summer camp girls, boy scouts, community college students, and area teachers.

Field Trip Initiative: The Association launched in 2017 a new field trip initiative for members and prospects. Field trip topics during this first year focus upon vernal pool and shale barren communities, invasive wetland plants, and riparian forest buffers.

Progress comes most often by traveling in circles while taking three steps forward followed by two steps backward, followed by one step forward. And so in this way, life goes forward sometimes in circuitous ways but best guided by a steady vision. The volunteer contributions of our members power progress!!!

With warm regards,

Nelson Hoy, President



Executive Director's Corner

Happy Vernal Season, Friends!

Spring brings welcome changes doesn't it? The passing of winter's long, grey, cold and sometimes dull days. The return of migrant song birds from the tropics and the appearance of native wildflowers from under the forest duff. Sunny, pleasant days for recreation in these beautiful Allegheny mountains and streams! This is good change, indeed.

Some change is confusing — even confounding — like the unseasonable winter we experienced this year. It was the driest (and windiest) that many could ever remember! Due to the unpredictable but undeniable influences of climate change, we saw and felt the negative impact on our region's surface and ground waters: our creeks and rivers were noticeably low until the late/recent rains came, and many of the historic seasonal wetlands were dry through this past winter and into Spring... some I had never seen dry like this, in over 30 years of monitoring these *vernal pools*. This kind of change can be astonishing and unnerving!

Certain types of change are simply unacceptable, like the dire and dramatic alterations to our beautiful region — along a 200-mile path cutting through our mountains — that the proposed Atlantic Coast Pipeline will bring to the Western Highlands of Virginia, if this ill-conceived land theft is allowed to proceed.



Photo by Jessica Matuoizzi on 24 March.

And some change is inevitable, like the personnel in an organization. Such turn-over ensures a fresh supply of ideas, energy and progress. At our Annual Meeting on May 20 for example, the CRPA will experience changes to the Board, losing some but gaining others.

I have thoroughly enjoyed the challenge and experience gained during my tenure as the CRPA's fifth Executive Director, but this is my last column in that role — May 31 will mark my last day as your director. I'll be pursuing expanding teaching opportunities through the community college, my environmental consulting firm, etc. You can reach me at VAvernalpools@gmail.com by email.

I look forward to continued relationships and roles in our organization as a member and volunteer, and I plan to remain involved with the Education and Monitoring Committees.

See You on the River,

Michael

Water Quality Monitoring

PARTNERSHIPS THAT ADVANCE WATER QUALITY

in the Cowpasture River Valley of Virginia

by C. Nelson Hoy, a Forester, Rancher and Conservationist

WILLIAMSVILLE – The Cowpasture River Preservation Association (CRPA) represents about 350 individuals, all with a common commitment to preserving surface and ground water quality. The CRPA is a 501(c)(3) not-for-profit organization established in 1972 to engage in research and education on issues of water quality and quantity in the Cowpasture River Valley. The Association's purpose for being as established by the essence of its charter is to preserve water quality and quantity, both surface and ground water.

Our Association's members contribute their time, talent and treasures to ensure cool, clear, water. Some environmental challenges, however, require resources well beyond the CRPA's financial wherewithal and subject matter expertise. Your Association, with these limitations and goals in mind, works to advance collaborative relationships with other environmental organizations.

The Possibilities of Collaborative Relationships – A worthwhile partnership begins with an understanding of ourselves and knowing that our fundamental purpose is to ensure water quality for both surface and ground waters in the Cowpasture River watershed. So, a prospective partnership with another organization becomes a possibility when that organization holds a meaningful interest in and concern for water quality within the Cowpasture and Bullpasture River valleys. But in the beginning this is just a possibility – i.e., a relationship that has a practical chance of happening. Someone must create in their minds, just what these possibilities may be and then live into the vision of a better future for the Cowpasture River watershed...

- * Protection of the up-stream source water quality for the karst Coursey Springs.
- * State of the Practice three zone riparian buffers along the Bullpasture River on Hayfields Farm.
- * A ground water quality monitoring program at three sites in the Cowpasture River Valley.
- * Best-in-class measures for karst sinkhole buffers around three sites on Bullpasture Mountain.
- * Technical and financial support for fencing livestock from the Cowpasture River watershed.
- * Annual clean-ups at three public access points along the Cowpasture and Bullpasture Rivers.
- * Conservation demonstration projects for preserving native brook trout habitat.
- * Conservation demonstration projects for enhancing wood duck nesting habitat.

On Creating Worthwhile Relationships – But how does an organization create a collaborative relationship from mere possibilities? Most often, circumstance creates an imperative for action that causes both organizations to allocate limited time, talent and perhaps dollars to a common purpose. The Atlantic Coast Pipeline threat and fight being a recent case in point for a collaborative relationship between our Association and the Valley Conservation Council and later, the Jackson River Preservation Association. And quite frequently there are gatekeeper personalities — individuals with working relationships in both fields of endeavor or organizations who can make things happen.

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Shouldering the Responsibility for Communications – An individual, or better two or three like-minded team players, must assume full responsibility for ensuring open, positive and regular communications with the partner organization. Phrased another way, someone in our Association must say, “If it is to be, then it is up to me”, and then just do it. In our collaborative relationships with the Allegheny, Bath and Highland Counties Public School Systems, Dave Peters just made it happen and Kathy Farmer facilitated these communications.

Allegheny, Bath & Highland Counties Public School Systems – The Cowpasture River Preservation Association established collaborative relationships with the public school systems in Allegheny, Bath and Highland Counties in support of the Commonwealth's Meaningful Watershed Educational Experiences (MWEE) program. The Cowpasture River Preservation Association provides school teachers with knowledgeable and skilled river water quality monitors who make possible macroinvertebrate identification experiences in the classroom for elementary, middle and high school students. The Association benefits by fulfilling its basic charter-driven purpose of education.

Jackson River Preservation Association – The Cowpasture River Preservation Association (CRPA) and the Jackson River Preservation Association (JRPA) together represent riparian landowners in the upper headwaters of James River watershed. The James River is the largest river in the Commonwealth of Virginia and it supplies the domestic drinking water for the Richmond Metropolitan Area. The Cowpasture and Bullpasture Rivers receive karst waters from sinking streams like the Dry Run and resurging karst springs. The Jackson River also receives karst waters from sinking streams like the Back Creek and resurging karst springs. The Associations working together have filed with the Federal Energy Regulatory Commission (FERC) a Motion in Protest that the FERC Draft Environmental Impact Statement fails to comply with the letter, spirit and intent of the National Environmental Policy Act of 1969 by ignoring the Commonwealth of Virginia, Erosion and Sedimentation Control Regulations, 9VAC25-840-40, Minimum standards, Sub-section 16, which states that: “*No more than 500 linear feet of trench may be opened at one time...*” and further, by failing to explicitly deny the Atlantic Coast Pipeline, LLC a variance. The primary contact is William (Bill) Wilson, President of the Jackson River Preservation Association.

The Nature Conservancy – Guided by science, the Conservancy works with a variety of partners to protect the forests, caves, rivers, and unique habitats of the Allegheny Highlands. The TNC works in conjunction with state and federal partners to further collaborative efforts with other organizations in support of the Cowpasture River Partnership; and advocate for additional public funding for land conservation, forest management and restoration, and water-quality improvement. The Nature Conservancy's, *Warm Springs Mountain Cowpasture River Conservation Area Plan (2003)*, calls for the restoration of stream banks of priority stream reaches and critical karst recharge zones including alluvial floodplain forests and native grasses. The primary contact is Marek Smith, Program Director for the Allegheny Highlands Program.

U.S. Forest Service, Warm Springs and Jackson Ranger Districts – The Association collaborates with the U.S. Forest Service on two initiatives – i.e., the bi-annual cleanups of the USFS Walton Tract on the Cowpasture River and stakeholder involvement with the USFS Lower Cowpasture River Restoration Project. The U.S. Forest Service oversees conservation practices on 50% of the acreage in the Cowpasture River watershed for multiple uses, including: recreation, timber, wilderness, minerals, water, grazing, fish, and wildlife. The Forest Service works to protect, restore, and enhance aquatic ecosystems and overall, the USFS's mandate is to protect water quality and quantity, restore degraded aquatic ecosystems and recover threatened, endangered or sensitive aquatic species. The primary contact is Steve Tanguay, Biologist for the Warm Springs Ranger District.

Virginia Department of Game and Inland Fisheries – The Virginia Department of Game and Inland Fisheries (VDGIF) is the second largest land management agency in the Cowpasture Watershed, with responsibilities for the Highland Wildlife Management Area (HWMA) and the ground water-dependent Coursey Springs Fish Cultural Station. The

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HWMA is nearly completely covered by upland hardwood forest, consisting mainly of oaks and hickories. Bullpasture Mountain boasts an unusually large number of karst sinkholes – perhaps more than 100. The primary contact is Al Bourgeois, Wildlife Biologist. Coursey Springs is arguably the third largest spring in the Commonwealth with water flow rates that vary from 4,000 gallons per minute in drought conditions to 16,000 gallons per minute during major rain events. Coursey Springs Fish Cultural Station is a state-of-the-practice game fish cultural facility. The primary contact is Eric Wooding, Station Manager. VDGIF and the CRPA historically collaborated with each other on trout stocking, water quality monitoring, continuous temperature measurements, mussel festivals and meeting presentations.

Valley Conservation Council – The Cowpasture River Preservation Association together with the Valley Conservation Council conceived and organized the round-table workshop that formed the Alleghany-Blue Ridge Alliance (ABRA) – now 50 organizations plus strong. One of Virginia’s premier land trusts, the Valley Conservation Council works to protect the natural resources, cultural heritage, and agricultural vitality of the greater Shenandoah Valley region. Over the past 25 years, VCC and its partners have conserved tens of thousands of acres of private farms and forests in Virginia. The primary contact is Brenda Mead, Executive Director.

Virginia Highlands Wood Duck Club – At this juncture, there are about six active Wood Duck boxes in the Cowpasture River Valley. Wood Ducks (*Aix sponsa*) are found in wooded swamps and streams, cattail marshes, beaver ponds, and small lakes. The *Virginia Highlands Wood Duck Club*, with assistance from our membership, would like to more than triple that number by erecting boxes on private lands. The primary contact is Arnie Peterson of Millboro, VA.

Guidelines for Partnership Development:

Members of the CRPA Board of Directors should be knowledgeable about the Association's past, present and future collaborative relationships.

The CRPA's President should consciously ensure regular communications with movers and shakers in other like-minded partner organizations.

The Association's Executive Director or other staff member should ensure that primary contacts with each partner organization receive a hard copy of *The River Runs* without charge.

A Board or an Association member should serve in an Ad Hoc Liaison capacity with each partner organization.

The CRPA should seek a win-win-win relationship with partner organizations – a “win” for the Cowpasture River Valley, a “win” for our partner organization, and a “win” for the CRPA.

A partner relationship is something like a marriage – there must be common areas of interest, shared commitments and over time, mutual contributions.

The Cowpasture River Preservation Association's most important partnerships are those with our members who commit their time, talent and treasures to protecting surface and ground water quality.

If we are together nothing is impossible.

If we are divided all will fail.

Winston Churchill



Water Resources Stewardship

Wildlife Spotlight: **Wood Duck** (*Aix sponsa*)

The Wonderful Woodie

By Arne Peterson

By now, wood ducks should have returned to your local stream or pond. They pair bonded in late fall and strengthened those bonds on the wintering grounds. The female now abandons her normal vegan diet and gorges on animal life, especially macro-invertebrates, to gain the necessary ingredients to produce eggs. The pair will mate numerous times, both before and during the egg-laying process. The female can store sperm, but fresh is more fertile. Egg laying can begin any time from March through April, depending on weather and availability of good food.

Over a two-week period, the hen will lay 9-12 eggs. Twenty-eight (28) days later, the eggs should hatch. The hen will call the hatchlings from the cavity within 24 hours. Ducks do not feed their young, so the chicks must reach the ground quickly to begin feeding. Interestingly, from the time they first hit the water, chicks can swim up to eight feet under water to avoid predators!

The male wood duck plays no role in incubating eggs or raising young. In fact, he never enters the cavity or duck box. He may be seen sitting on the box and sometimes peers in. More commonly, he swims nearby helping protect the nest from competitors and the advances of unpaired males.

Woodies are not only gorgeous in their plumage, but they also have several unique features that are required to live in a forested environment. They have the largest eyes of any ducks. The male's eye is red, while most ducks have black or yellow eyes. They have the largest wings per body mass and are the most buoyant. They also exhibit extreme sexual dimorphism in plumage (i.e., the female is cryptically colored, while the male is brightly patterned); this contrast is matched only by their one cousin, the Mandarin Duck (*Aix galericulata*) of Asia.

Of the five cavity-nesting ducks, four nest primarily in the boreal forest of Canada. Woodies nest in the (seasonally-flooded) eastern hardwood forests from Florida to southern Canada.

Conservation Measures and Practices for Wood Ducks:

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The Wonderful Woodie (Cont.)

- Preservation of forested bottomland, wetlands and riparian buffer areas provide the habitat needed for wood ducks nesting, rearing of young and resting during migration;
- Proper installation and maintenance of wood duck nesting boxes can benefit local populations. The

Virginia Highlands Wood Duck Club provides these services for FREE! You can contact them at:

VHWDC, c/o 32802 Mountain Valley Road, Millboro, VA 24460

For more information on this species SEE: https://www.allaboutbirds.org/guide/Wood_Duck/id



Photo Source Credit: <http://www.herpindiego.com/WoodDuck.html>

Editor's Notes:

Guest writer, Arne Peterson, is the President of the *Virginia Highlands Wood Duck Club*, a conservation partner of the CRPA that is based in Bath County, VA (see article in the Winter 2017 issue).

Freshwater *fairy shrimp* (Anostraca) often serve as an important protein source for wood ducks in late winter, when they visit forested *vernal pool* wetlands during their migration period. Woodies are also responsible for the “transport and stocking” of these rare crustaceans’ eggs, via their duck gut!

First of the 2017 Field Trips Successful...



First Wallawha-Trekkers: An early April shower didn't dampen the enthusiasm of CRPA members attending the first of the new field trip series for 2017. From left to right: Kip Brooks, Dave Peters, Dick Brooks, Celia Rutt, Joe Wood, Forrest and Chris Moore. These intrepid seven explored vernal pools and their critters on Buxton Farm in Bath County with resource expert, Mike Hayslett, on the afternoon of March 26 (photo by M. Hayslett). The next field trip is May 19 — **Shale Barrens of the CRV**. Registration for WT-2 opens at 9:00 a.m. EST on Wednesday, April 19 by email to directorcrpa@gmail.com. Don't miss the next Walla-Trek!

Dates to Remember

April 22 (Saturday, 1:00 - 5:00 PM): **Spring River Clean Up** at the Walton & Evans Tracts. Help us celebrate **Earth Day** while collecting litter with our partners, the Potomac Hunt Club and DSLCC students. Please Sign Up at directorcrpa@gmail.com

May 19 (Friday, 9:00 AM - 1:00 PM): **WallaTrek 2 — Shale Barrens of the CRV Field Trip**. Registration opens April 19.

May 20 (Saturday, 5:00 - 8:00 PM): **45th Annual Meeting** on the river at Camp Mont Shenandoah will include a Social with Silent Auction, Business Meeting, Catered Dinner, and Special Program! See full-page advertisement on page 14.

July 8 (Saturday, 9:00 AM - 12:00 PM): **WallaTrek 3 — Purple Alien Invasion Field Trip**. Registration opens June 8.

July 29 (Saturday, 3:00 - 8:00 PM): **Summer Picnic & Family Fun Day** on the river with water activities, games, a guided float on the Cowpasture, social hour, and cook-out dinner! Don't miss the fun.

In Harm's Way:

How the Proposed Atlantic Coast Pipeline Threatens the Cowpasture River

By Richard A. Brooks, Pipeline Ad Hoc Committee Chair

MILLBORO — The damage that the construction and operation of the proposed Atlantic Coast Pipeline will cause to our watershed has been covered frequently in *The River Runs*. In this issue, however, our focus is on one specific site: the vulnerable section of Cowpasture River near Fort Lewis where Dominion Resources intends to trench the river with dynamite.

The accompanying map and construction documents—compiled from the Federal Energy Regulatory Commission's recent Draft Environmental Impact Statement (DEIS) describes the crossing, but leaves out any meaningful discussion of the considerable risks to the watershed itself. Dominion, in its latest (and massive) addendum to the DEIS does mention the "... short and long term impacts on sensitive species and their habitats." Yet, despite that acknowledgement of potential harm, Dominion offers only this useless generalization as its remedy: "The extent and duration of impacts will vary depending on the species present in each affected habitat type and individual life histories of these species... After construction is complete [Dominion] will restore the right-of-way as near as practicable to the preconstruction contours and conditions."

Seriously? That's all Dominion can offer? Let's take a closer look at what's at stake.

The Construction Process

If the pipeline is approved, construction on the Cowpasture River crossing is scheduled to begin in April 2019 and to be completed by that year's end. Other work, such as building access roads in the watershed, is scheduled to take place in 2018. The planned construction method is trenching under the river bottom. This is to be accomplished by "blasting" both "in stream and within 1,000 feet." The length of this trench is expected to be 128 feet long at a depth of five feet below the riverbed. During construction, Dominion intends to "borrow" 3.6 million gallons of river water; 2.52 million gallons of this water will be stored somewhere near the river crossing.

The DEIS describes two possible techniques for excavating the trench under the river. Plan A is the use of a single cofferdam (defined by Wikipedia as, "*a temporary enclosure built within, or in pairs across, a body of water and constructed to allow the enclosed area to be pumped out. This pumping creates a dry work environment for the major work to proceed.*"). Plan B is a complete damming of the river with filtered pumps passing river water from above the first dam to below the second dam.

In either scenario, before blasting gets underway, the top twelve inches of river bottom, along with all the

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SPECIAL ISSUES REPORT: Atlantic Coast Pipeline

invertebrates, plants, and other living things that make their home in that river bottom, will be placed in temporary storage. Then, when construction is complete, Dominion's plan is to return this material to the riverbed. Will anything survive this excavation, relocation and storage? Maybe, maybe not. Due to the composition of subsurface material and construction methods, the duration of this relocation is unknown.

In addition to the blasting, two permanent access roads will need to be built, one of which will cross the river. One will be in the Brown's Pond Special Biological Area (USFS) and the other is just below Fort Lewis. These have not been updated since the change in January, although a VDOT bridge is within a half mile.

Known Threats

This disruption to the land over, under and alongside the Cowpasture River will result in several documented threats. We can expect to see a degradation of water quality as a result of sedimentation and runoff from the pipeline's construction and operation. Surface disturbance, even in low-slope areas, causes runoff. So, for years, any amount of rain can create muddy conditions in our river and perhaps our drinking water, as well.

Important plants and animals in and around the river face an uncertain future, too. Threatened and/or at-risk species include the Rough-head Shiner (only found in the upper James tributaries), Roanoke Logperch (federal/state endangered species), James Spiny mussel (federal/state endangered species), Orange-fin Madtom (similar range), Yellow Lance mussel (found only in a few rivers in Virginia and North Carolina), Potomac Sculpin (a James River native), Notched Rainbow mussel (vulnerable and/or threatened species), the Rapids Clubtail dragonfly (threatened species) and the Rusty Patched bumblebee, which was just added to the USFWS endangered species list. All of these creatures exist here in our river and its watershed at present.

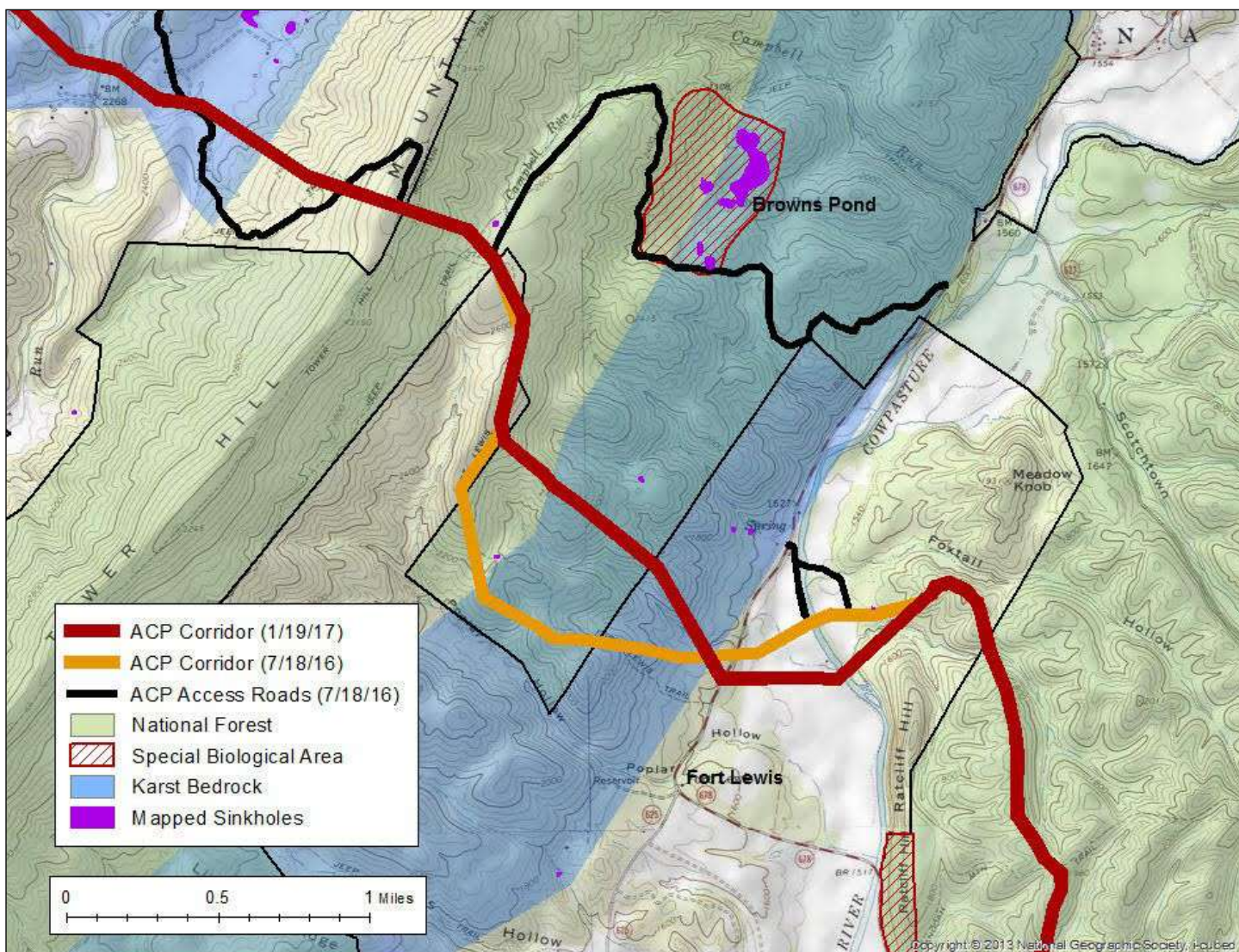
CRPA Response

The Board of Directors of this organization remains opposed to the Atlantic Coast Pipeline. We believe it will cause irreparable harm to our beloved watershed. As long-time member John Cowden of Fort Lewis Lodge notes, "The dismissive responses to legitimate environmental concerns has to be alarming to all. River crossings are no exception. Requests for details have fallen by the wayside. Dominion's engineering model appears to be that 'we'll figure it out when we get there'. Construction and sedimentation impacts will be most destructive at our crossing, but as all river owners understand, water runs down hill."

For a more complete view of our watershed and the entire proposed pipeline route, see the interactive map developed by Rick Webb and the team at the Dominion Pipeline Monitoring Coalition - <https://dpmc-gis.maps.arcgis.com/apps/webappviewer/index.html?id=86d265defe5543c095cc5b8c5ff9dbe6>.

Please note: Some of this material, which was sourced from the original DEIS, may now be out of date. After its release in late December, Dominion added nearly 3,000 pages to the DEIS, which was already 2,400 pages long. No attempt has been made by either FERC or Dominion to reconcile all of this additional information with the original documentation. Contact the author of this article at drabrooks@gmail.com.

SPECIAL ISSUES REPORT: Atlantic Coast Pipeline



Map produced by Dominion Pipeline Monitoring Coalition 04/27/2017 (the pipeline route was changed in January but the access roads have not been updated).

Editor's Note:

The Browns Pond SBA on the national forest represents one of the most significant ancient mountain wetland environments in the Western Highlands region of Virginia. This 16,000 year old karst pond supports a globally rare natural community and at least four species of "vernal pool obligate" animals, including rare Fairy Shrimp and the Jefferson Salamander, a *Species of Conservation Concern* for Virginia.

The wood frog population there may well be the largest in the state's western mountains region, with many thousands of them living in a concentric zone of forest up to 1,500 feet from the edges of the "mapped sinkholes" shown within the SBA boundary on this map. Photo taken by Mike Hayslett on 8 March 2017.



Atlantic Coast Pipeline, LLC
707 East Main Street, Richmond, VA 23219



November 30, 2016

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

**Re: Atlantic Coast Pipeline, LLC
Atlantic Coast Pipeline
Docket Nos. CP15-554-000 & CP15-554-001
Supplemental Information – Site-Specific Drawings for the Proposed Crossing of
the Cowpasture River**

Dear Secretary Bose:

On September 18, 2015, Atlantic Coast Pipeline, LLC (Atlantic) filed an abbreviated application (Application), under the above referenced docket CP15-554-000, for the Atlantic Coast Pipeline pursuant to Section 7(c) of the Natural Gas Act, as amended, and Part 157 of the Rules and Regulations of the Federal Energy Regulatory Commission (Commission or FERC). Additionally, on March 14, 2016, Atlantic filed an Amendment to its pending Application, under the above referenced docket CP15-554-001.

In the updated version of Resource Report 2 filed on April 15, 2016 (Accession No. 20160415-5014), Atlantic committed that the site-specific drawings for the Cowpasture River would be provided when field surveys are complete. Atlantic hereby submits the site-specific drawings for the proposed crossing of the Cowpasture River.

If you have any questions, please contact me at 866-319-3382.

Respectfully submitted,

Angela M. Woolard

Angela M. Woolard
Regulatory and Certificates Analyst III

cc: Mr. Kevin Bowman, FERC
Service List

encl(s)/



NO PIPELINE CROSSING HERE! Cowpasture River just above Fort Lewis. Photo by Richard Brooks.

Miscellaneous Training Opportunities:

8th Annual Choose Clean Water Conference – May 23-24, 2017 – Charlottesville, VA -- This conference focuses on ways the environmental community can collaborate and work as one. Issues related to agriculture, communications, climate change, diversity, equity and inclusion, and more will be discussed. Early Bird Registration Deadline: **April 21, 2017**. For more information and to register, see <http://choosecleanwater.org/our-conference/2017/>. Hosted by the Choose Clean Water Coalition.

Mid-Atlantic Stream Restoration Conference – September 20-22, 2017 – Baltimore, MD – Theme: Building a Better Bridge between Science and Practice – This conference will focus on stream restoration planning, assessment, design, construction, and evaluation and other topical stream issues. The conference includes presentations, discussions, exhibits, and pre-conference workshops. For more information and to register, see <http://midatlanticstream.org/>.

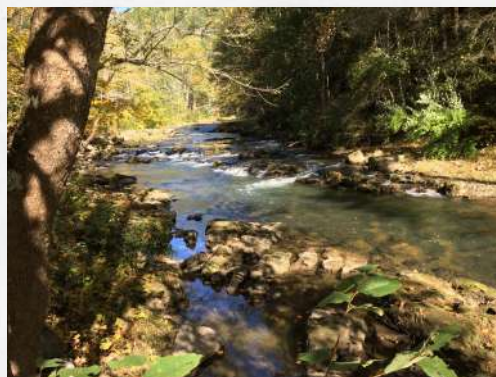


Save This Date
May 20th, 2017
CRPA ANNUAL DINNER & MEETING

The Cowpasture River Preservation Association's Annual Dinner

and meeting gives us all a chance to enjoy comradery with our members by sharing excellent food in a beautiful setting. By attending, you support and encourage us in the conservation, preservation, and restoration of our rivers, runs, and drafts in the Cowpasture River Watershed.

Details to Follow.



Where?

Camp Mont Shenandoah
218 Mont Shenandoah Ln,
Millboro, VA 24460



When?

May 20th, 2017
5:00PM to 8:PM

RSVP:

CALL: Mike Hayslett, CRPA Director
(540) 620-7795 (If not available, please leave message confirming attendance as well as the number of persons attending.) or

EMAIL: DirectorCRPA@gmail.com

OR:

DONATE:

If you can not attend, we will miss you. But, any help will be greatly appreciated. Thank You!

DONATE

Graphic provided by Steve Van Lear

IF YOU CANNOT BE PRESENT at the CRPA Annual Meeting, please return this proxy vote by April 30, 2017 along with any unpaid dues* To: **CRPA, Box 215, Millboro, VA 24460**

I am unable to attend the 2017 Annual Meeting and do hereby name the following Director (Circle one) to be my/our Proxy. I authorize him/her to vote for up to three (3) directors.

Lucius Bracey	Richard Brooks	Caryl Cowden	Stewart Hobbs
Nelson Hoy	Richard Lynn	Steve Van Lear	Ann Warner

Signed _____	Date _____	Signed _____	Date _____
Signed _____	Date _____	Signed _____	Date _____

Please note: Unsigned proxies will be void. Unpaid dues will disqualify your vote. If you contributed to the 2016 annual campaign, or have sent dues in 2017, you are in good standing with respect to the vote.

But, in case you're behind in your dues ...

* Membership Categories (check one):

<input type="checkbox"/> Member (\$25 minimum per individual)	Name _____
<input type="checkbox"/> River Guardian (\$50)	Address _____
<input type="checkbox"/> Headwaters Circle (\$100)	Phone _____
<input type="checkbox"/> Watershed Stewart (\$250)	E- mail _____
<input type="checkbox"/> Wallawhatoola Society (\$500)	_____

The CRPA Nominating Committee has chosen the following individuals to fill the three expiring board member terms:

- ◆ Monroe "Puggy" Farmer (1-year term)
- ◆ Kim Manion (3-year Term)
- ◆ Jeremy White (3-year term)

Nominee Biographies:

Puggy Farmer – Immediate Past President CRPA, Co-chair CRPA Monitoring Committee, teacher Boys' Home of Virginia

Kim Manion – CRPA River Monitor, President Alleghany Highlands Chapter Virginia Master Naturalists, teacher Millboro Elementary School

Jeremy White – CRPA River Monitor, self-employed carpenter

Thank You for being a part of the CRPA annual elections process!





Post Office Box 215

Millboro, VA 24460

(540) 620-7795

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Protect The Things You Love

JOIN US

Preserving our river for future generations is important to me.

I want to make a difference on the Cowpasture River through my time, treasure, and talents.

- | | |
|--|----------|
| <input type="checkbox"/> ADULT MEMBERSHIP <i>Dues</i> | \$25 |
| <input type="checkbox"/> RIVER GUARDIAN <i>Donation</i> | \$50 |
| <input type="checkbox"/> HEADWATERS CIRCLE <i>Donation</i> | \$100 |
| <input type="checkbox"/> WATERSHED STEWARD <i>Donation</i> | \$250 |
| <input type="checkbox"/> WALLAWHATOOLA SOCIETY <i>Donation</i> | \$500 |
| <input type="checkbox"/> BEDROCK PATRON <i>Donation</i> | \$1,000 |
| <input type="checkbox"/> GROUNDWATER AQUIFER <i>Donation</i> | \$ _____ |
| <input type="checkbox"/> JUNIOR MEMBERSHIP <i>Dues</i> | \$12 |

NAME _____

ADDRESS _____

CITY _____

STATE _____

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- ☐ Please e-mail my CRPA newsletter, *The River Runs*, to save resources.
- ☐ I want to share my talents to help.
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