



## 2016 Patagonia Foundation grant 9-month report Uploaded Documents

### LOCAL NEWSPAPER COVERAGE, ARTICLES, EDITORIALS, LETTERS TO EDITOR:

[Comment Period Extended for River Assessment \\_ The Free Weekly.pdf \(563.97 K\)](#)  
<http://www.freeweekly.com/2016/01/21/comment-period-extended-for-river-assessment/>

[John Van Brahana What lies beneath \\_ NWADG.pdf \(793.54 K\)](#)  
<http://www.nwaonline.com/news/2016/mar/13/john-van-brahana-what-lies-beneath-2016/>

[Brahana disheartened \\_ NWADG.pdf \(664.69 K\)](#)  
<http://www.nwaonline.com/news/2016/mar/22/a-scientist-s-plea-20160322/>

[Rhetoric over science\\_ \\_ NWADG.pdf \(657.82 K\)](#)  
<http://www.nwaonline.com/news/2016/apr/02/rhetoric-over-science-20160402/>

[Open letter to the governor \\_ NWADG.pdf \(746.55 K\)](#)  
<http://www.nwaonline.com/news/2016/apr/12/that-hog-factory-20160412/>

[Buffalo River Study Findings To Be Shared \\_ The Free Weekly.pdf \(502.2 K\)](#)  
<http://www.freeweekly.com/2016/04/13/buffalo-river-study-findings-to-be-shared/>

[Commentary\\_ Love for a river \\_ NWADG.pdf \(680.76 K\)](#)  
<http://www.nwaonline.com/news/2016/apr/26/commentary-love-for-a-river-20160426/>

[Findings raise questions \\_ NWADG.pdf \(737.22 K\)](#)  
<http://www.nwaonline.com/news/2016/may/07/findings-raise-questions-20160507/>

[Recent data on hog farm raise dust-up \\_ NWADG.pdf \(637.33 K\)](#)  
<http://www.nwaonline.com/news/2016/may/15/recent-data-on-hog-farm-raise-dust-up-2-1/>

[Stuck on ignorance \\_ NWADG 5-17-16.pdf \(451.65 K\)](#)  
<http://www.nwaonline.com/news/2016/may/17/plumes-of-purple-20160517/>

[Guest writer For public health \\_ NWADG.pdf \(635.38 K\)](#)  
<http://www.nwaonline.com/news/2016/may/23/for-public-health-20160523/>

[Letters \\_ NWADG 5-23-16.pdf \(273.42 K\)](#)  
<http://www.nwaonline.com/news/2016/may/23/letters-20160523/>

[Hog-farm foes seek data before pond liners added \\_ NWADG.pdf \(536.29 K\)](#)  
<http://www.nwaonline.com/news/2016/may/27/hog-farm-foes-seek-data-before-pond-lin/>

[MIKE MASTERSON\\_ On the hog factory 5-31-16 \\_ NWADG.pdf \(455.62 K\)](http://www.nwaonline.com/news/2016/may/31/opinions-differ-20160531/#/)  
<http://www.nwaonline.com/news/2016/may/31/opinions-differ-20160531/#/>

[The Lipscomb travails \\_ NWADG 6-14-16.pdf \(434.67 K\)](http://www.nwaonline.com/news/2016/jun/04/the-lipscomb-travails-20160604/)  
<http://www.nwaonline.com/news/2016/jun/04/the-lipscomb-travails-20160604/>

[Hog farm opponents fed up with bureaucratic apathy \\_Eureka Springs Independent.pdf \(182.36 K\)](http://eureka.news/hog-farm-opponents-fed-up-with-bureaucratic-apathy/)  
<http://eureka.news/hog-farm-opponents-fed-up-with-bureaucratic-apathy/>

[Letters \\_ NWADG 6-8-16.pdf \(258.4 K\)](http://www.nwaonline.com/news/2016/jun/08/letters-20160608/)  
<http://www.nwaonline.com/news/2016/jun/08/letters-20160608/>

[Letters \\_ NWADG 6-9-16.pdf \(498.81 K\)](http://www.nwaonline.com/news/2016/jun/09/letters-20160609/)  
<http://www.nwaonline.com/news/2016/jun/09/letters-20160609/>

[Letters \\_ NWADG 6-11-16.pdf \(497.42 K\)](http://www.nwaonline.com/news/2016/jun/11/letters-20160611/)  
<http://www.nwaonline.com/news/2016/jun/11/letters-20160611/>

[Letters \\_ NWADG 6-12-2016 No more CAFOs here.pdf \(275.01 K\)](http://www.nwaonline.com/news/2016/jun/12/letters-20160612/)  
<http://www.nwaonline.com/news/2016/jun/12/letters-20160612/>

[What Lies Beneath\\_ Workshop Will Offer Education on Buffalo River Watershed \\_ KSMU Radio.pdf \(220.54 K\)](http://ksmu.org/post/what-lies-beneath-workshop-will-offer-education-buffalo-riverwatershed#stream/0)  
<http://ksmu.org/post/what-lies-beneath-workshop-will-offer-education-buffalo-riverwatershed#stream/0>

[Readers respond MIKE MASTERSON\\_ On the Buffalo \\_ NWADG.pdf \(623.51 K\)](http://www.nwaonline.com/news/2016/jun/21/on-the-buffalo-20160621/)  
<http://www.nwaonline.com/news/2016/jun/21/on-the-buffalo-20160621/>

[New study to require drilling at hog farm \\_ NWADG.pdf \(717.82 K\)](http://www.nwaonline.com/news/2016/jun/25/new-study-to-require-drilling-at-hog-fa-1/)  
<http://www.nwaonline.com/news/2016/jun/25/new-study-to-require-drilling-at-hog-fa-1/>

[Drill, baby, drill \\_ NWADG.pdf \(713.25 K\)](http://www.nwaonline.com/news/2016/jun/28/conflicting-aims-20160628/)  
<http://www.nwaonline.com/news/2016/jun/28/conflicting-aims-20160628/>

[MIKE MASTERSON\\_ Email timeline \\_ NWADG.pdf \(534.53 K\)](http://www.nwaonline.com/news/2016/jul/05/waste-or-clay-20160705/#/)  
<http://www.nwaonline.com/news/2016/jul/05/waste-or-clay-20160705/#/>

[NWA editorial\\_ Testing the waters \\_ NWADG.pdf \(591.64 K\)](http://www.nwaonline.com/news/2016/jul/06/nwa-editorial-testing-the-waters-201607/)  
<http://www.nwaonline.com/news/2016/jul/06/nwa-editorial-testing-the-waters-201607/>

[Hydrogeologist shares passion for rocks on Buffalo River \\_ NWADG.pdf \(671.68 K\)](http://www.nwaonline.com/news/2016/aug/01/hydrogeologist-shares-passion-for-rocks/)  
<http://www.nwaonline.com/news/2016/aug/01/hydrogeologist-shares-passion-for-rocks/>

[Off, and then on \\_ NWADG.pdf \(472.45 K\)](http://www.nwaonline.com/news/2016/sep/11/off-and-then-on-20160911/)  
<http://www.nwaonline.com/news/2016/sep/11/off-and-then-on-20160911/>

[Issues Surrounding Buffalo River Watershed Continue \\_ The Free Weekly.pdf \(684.49 K\)](http://www.freeweekly.com/2016/09/15/issues-surrounding-buffalo-river-watershed-continue/)  
<http://www.freeweekly.com/2016/09/15/issues-surrounding-buffalo-river-watershed-continue/>

[Environment notebook \\_ NWADG.pdf \(581.78 K\)](http://www.nwaonline.com/news/2016/sep/18/manure-leak-tests-to-begin-at-hog-farm-/)  
<http://www.nwaonline.com/news/2016/sep/18/manure-leak-tests-to-begin-at-hog-farm-/>

## LOCAL RADIO NEWS COVERAGE:

Ozarks at Large is produced by KUAF 91.3 FM, the NPR affiliate station at the University of Arkansas, Fayetteville. Jacqueline Froelich is the NPR reporter for KUAF and Kyle Kellams is KUAF news director. We could not upload these articles but here are URLs with annotation of content:

### Ozarks at Large, February 25, 2016, Kyle Kellams reporting

<http://kuaf.com/post/federal-agencies-industrial-hog-farm-near-buffalo-river-poses-no-environmental-impacts#stream/0>

After exhausting administrative remedies, the Buffalo River Coalition (BRWA, the Ozark Society, Earth Justice, the Arkansas Canoe Club and the National Parks Conservation Association) in 2013 sued the USDA Small Business Administration (SBA) and Farm Bureau (FB), the two federal agencies that guaranteed the multi-million dollar loan to finance construction of C&H swine CAFO, for deficiencies in the first Environmental Assessment (EA) that failed to acknowledge presence of karst topography underneath the CAFO. The judge ordered a second EA.

- Mr. Kellams reports that the second EA returned the same "no significant impact" finding as the first one.
- Although the second EA again failed to address karst, it terminated the lawsuit.
- Earth Justice attorney Hannah Chang states that, because the CAFO sits on karst, the question is not whether the swine waste reaches the Buffalo River, but where the flow paths will be.

### Ozarks at Large, April 12, 2016, Jacqueline Froelich reporting

<http://kuaf.com/post/industrial-hog-breeding-farm-impairing-environment-scientists-find>

- Van Brahana presents KHBNR results to AR Academy of Sciences.
- First Science & Song event is announced.
- Director of the Arkansas Department of Environmental Quality (ADEQ) declined to be interviewed for this program but stated via email that her agency will look at Van Brahana's paper after it goes thru peer review.

### Ozarks at Large, May 18, 2016, Jacqueline Froelich reporting

<http://kuaf.com/post/whats-beneath-controversial-newton-county-swine-cafo#stream/0>

Electric Resistivity Imaging performed by Oklahoma State University and contracted by the state-funded Big Creek Research and Extension Team (BCRET) in March 2015 indicated fracturing and possible movement of waste beneath C&H swine waste pits. BCRET did not investigate it any further and did not mention it to ADEQ or to the Arkansas Pollution Control and Ecology Commission (APCEC). In spring of 2016, BRWA's robust FOIA program uncovered emails between the the OSU lead scientist and BCRET regarding the possible leakage. This discovery led to publication of the ERI data on BRWA's website, and a day later, on BCRET's website. Both ADEQ and the APCEC were blindsided by the new research.

Ms. Froelich interviews the OSU scientist and APCEC chair.

### Ozarks at Large, June 27, 2016, Jacqueline Froelich reporting

<http://kuaf.com/post/aeq-calls-independent-investigation-buffalo-river-hog-farm#stream/0>

- Ms. Froelich reports on a meeting of the Arkansas Pollution Control and Ecology Commission at which ADEQ announced it will drill a bore hole to investigate possible fracturing and movement of waste underneath one of the C&H swine CAFO waste pits. BRWA had exerted pressure on ADEQ to require drilling to ground truth the ERI data since uncovering emails that led to the data revealing possible leakage in underlying karst.
- Ms. Froelich reports that this is the first time ADEQ acknowledges C&H CAFO may be situated on fragile karst topology, and the first time ADEQ will collaborate with the Buffalo River Coalition groups (including BRWA) that oppose the CAFO, to undertake the ground truthing.
- ADEQ director says that though C&H CAFO federal-issued permit expires in October 2016, the CAFO will be allowed to continue operations "pending state-wide permitting technical review."

## HATCH MAG ARTICLE:

[Downstream \\_ Hatch Magazine – Fly Fishing, etc .pdf \(840.49 K\)](#)  
<http://www.hatchmag.com/blog/downstream/7713759>

## INDEPENDENT FILM MAKER INDIEGOGO PAGE:

Austin-based independent film maker Andy Sarjhani launched an Indiegogo campaign to raise funds to finish and widely distribute his film about the impacts of C&H swine CAFO on rural Newton County, AR. The film trailer can be viewed at this link.

<https://www.indiegogo.com/projects/downstream-people-a-documentary-nature-environment#/>

## PHOTOS:

### Science and Songs events

- [StillonHillatSci&SongsLR6-7-16.pdf \(1.29 MB\)](#)
- [VanBrahanaSci&SongsFay4-20-16.pdf \(443.32 K\)](#)
- [VanBrahanaScience&SongFay4-20-16.pdf \(478.25 K\)](#)

### Karst workshop field trip

- [Van Brahana with curious participant, karst field trip Steel Ck 7-16-16.pdf \(3.9 MB\)](#)
- [Van Brahana speaking at Steel Ck, Karst field trip 7-16-16.pdf \(3.62 MB\)](#)
- [Van Brahana points to bluffs at Steel Ck during karst field trip 7-16-16.pdf \(4.55 MB\)](#)
- [Van Brahana explaining karst at Steel Ck during field trip 7-16-16.pdf \(4.45 MB\)](#)

## BROCHURES:

### Deep Science of the Buffalo River Watershed: Understanding What's Underneath

- [BuffRvr\\_4\\_6\\_16\\_DeepSci\\_Outside.pdf \(2.85 MB\)](#)
- [BuffRvr\\_4\\_6\\_16\\_DeepSci\\_Inside\\_.pdf \(2.76 MB\)](#)

### What is C&H Farms, Inc.? – CAFOs, Karst and Algal Blooms

- [BuffRvr\\_TriFold\\_2016\\_outsideFinal.pdf \(1.78 MB\)](#)
- [BuffRvr\\_TriFold\\_2016\\_insideFinal.pdf \(2.01 MB\)](#)

## POSTERS/FLYERS:

- [Science&Songs\\_April2016\\_flyer\\_Proof.pdf \(2.22 MB\)](#)
- [WHAT LIES BENEATH flyer PDF.pdf \(1.41 MB\)](#)
- [BRWA algae poster\\_PROOF.pdf \(3.11 MB\)](#)

## PEER REVIEWED ARTICLES:

- [Brahana article ArAcadSci.pdf \(1.71 MB\)](#)
- [Brahana article EnvEarthSci.pdf \(3.4 MB\)](#)

## INDEX OF UPLOADED ITEMS:

- [Index, docs uploaded for Patagonia 2016 9-mo rpt.pdf \(217.23 K\)](#)