## Exhibit 15

		Page 1
1	IN THE	UNITED STATES DISTRICT COURT
	FOR THE WE	ESTERN DISTRICT OF PENNSYLVANIA
2		
		:
3	UNITED STATES	OF AMERICA, :
		:
4	Pla	aintiff, :
5	vs.	: C.A. No.:
		: 1:90-cv-00229
6	ROBERT BRACE,	et al., : 1:17-cv-00006
_		:
7	Def	fendants. :
8		:
9		
10	DEDOCT	TION OF DWAYNE EDWARDS, PH.D.
11	DEFOSI	TION OF DWAINE EDWARDS, PH.D.
12	DATE:	Wednesday, February 21, 2018
13	TIME:	9:24 a.m.
14	LOCATION:	United States Department of Justice
		Environmental & Natural
15		Resources Division
		601 D Street, Northwest, Suite 8000
16		Washington, D.C. 20004
17		
18	REPORTED BY:	Shari R. Broussard, RPR, CSR
		Reporter, Notary
19		
20		ERITEXT LEGAL SOLUTIONS
0.5		Eye Street, NW, Suite 350
21	W	Washington, D.C. 20005
22		

	Page 2
1	APPEARANCES
2	On behalf of Plaintiff:
3	BRIAN S. UHOLIK, ESQUIRE
	LAURA J. BROWN, ESQUIRE
4	United States Department of Justice
	Environmental & Natural Resources Division
5	601 D Street, Northwest
	Suite 8000
6	Washington, D.C. 20004
	(202) 305-0733
7	brian.uholik@usdoj.gov
	laura.j.s.brown@usdoj.gov
8	
9	On behalf of Defendant Defendants:
10	LAWRENCE A. KOGAN, ESQUIRE
	The Kogan Law Group
11	100 United Nations Plaza, Suite 14F
	New York, New York 10017
12	(212) 644-9420
	lkogan@koganlawgroup.com
13	
14	ALSO PRESENT:
15	Robert Brace
	Randall Brace
16	
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Page 39 1 MR. UHOLIK: Objection as to counsel's 2 testimony about what is and what is not relevant 3 and also this is outside the scope of his report. 4 MR. KOGAN: Yes, counsel for the 5 Government would prefer this report is narrowly framed to avoid most of issues that the Government 6 7 has thus far succeeded in avoiding in prosecuting 8 the action. 9 MR. UHOLIK: The expert's report deals 10 with a certain issue. That is what you're allowed 11 to depose him on. Things outside of his report 12 are --13 MR. KOGAN: I can ask him any question 14 under the sun that is relevant to the analysis. 15 MR. UHOLIK: Anything outside of his 16 report is inadmissible. 17 MR. KOGAN: Anything. Anything, Counsel, and I will continue to use my 18 19 prerogative. 2.0 BY MR. KOGAN: 21 Now, Dr. Edwards, if you can try to 0 22 ignore the obnoxiousness of counsel for the

	Page 40
1	Government.
2	MR. UHOLIK: Objection as to counsel's
3	testimony.
4	BY MR. KOGAN:
5	Q Now, you have also used U.S. Geologic
6	Survey National Land Cover Database?
7	A Correct.
8	Q What is the relevance of that?
9	What data do you derive from that
10	database?
11	A The common the key index used in
12	making runoff calculations is what's referred to
13	as the the curve number, which, again, is a
14	is a measure of the soil's perviousness or
15	imperviousness.
16	Q So this is used for a runoff analysis?
17	A The land use data, yes.
18	Q So a runoff is the same thing as erosion
19	or just
20	A No.
21	Q water runoff?
22	A No, it's just the water.

	Page 118
1	A There is, of course, the big one that
2	Q Two.
3	A we checked out. This looks like one
4	(indicating).
5	Q Three.
6	A And this appears to be a stream here
7	(indicating).
8	Q Four?
9	A And I can't tell if there's anything to
10	the east of the fourth one.
11	Q Okay. So there's four culverts we can
12	assume, correct?
13	A Sure.
14	Q And there may be even others there?
15	MR. UHOLIK: Objection. Foundation.
16	MR. KOGAN: Well, we've already
L 7	established foundation, Counsel. Just look at the
L 8	map. See. Easy foundation.
L 9	MR. UHOLIK: That's not what foundation
20	means.
21	MR. KOGAN: I know. We have to have
22	independent evidence apart from the map that the

2.2

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Government produced to sustain the fact that the Government map is accurate. Okay. Now -- and you smile with a smug smile nevertheless. You know you really have nerve and a real true false sense of arrogance. Let that be known for the record. BY MR. KOGAN:

Section iii. or actually iv., "It should be noted that the inlet to the Sharp Road Culvert is higher (approximately 1.7 feet) than the outlet of the Lane Road Culvert. This can create a backwater condition that extends upstream for 2500 feet or more and decreases the discharge capacity of the Lane Road Culvert. This potential backwater condition was incorporated into the analysis by correcting the elevation of the channel bed downstream of Lane Road Culvert to 1217.3 feet in HY-8, the same elevation as the Sharp Road Culvert inlet invert."

Now, let's take this in two parts. The first sentences in subparagraph iv. on page 22 you identified an elevation differential between the

Page 137 1 MR. UHOLIK: Counsel is not a witness 2 and it's his opinion. 3 MR. KOGAN: I understand that, but I'm 4 asking the witness whether he's even looked to see 5 whether -- because Mr. Brace has a long history of 6 correspondence with the Government on beaver dams 7 and beaver dams occur on his property and off of 8 his property, but they do affect the flow of water 9 on his property. 10 MR. UHOLIK: Objection to counsel's 11 testimony. 12 MR. KOGAN: Yes, I understand. Let's go 13 back through the entire record, Counsel. Okay? BY MR. KOGAN: 14 15 But the question I have is when you were 16 given this assignment by the Department of Justice, I'm trying to figure out what information 17 18 they gave you or withheld from you. 19 A Okay. 20 And they've done this with other 21 witnesses as well. They withhold information. 2.2 MR. UHOLIK: Okay. Objection. There's

	Page 138
1	absolutely no evidence that the United States has
2	
3	MR. KOGAN: Oh, there's total evidence
4	on this, Counsel.
5	MR. UHOLIK: has withheld any
6	evidence from anybody.
7	BY MR. KOGAN:
8	Q Okay. So in your case, Dr. Edwards
9	MR. UHOLIK: The characterization is
10	absurd.
11	BY MR. KOGAN:
12	Q what information did they give you
13	and did they not give you?
14	What did the Government tell you or
15	provide you with paperwork as far as to use in
16	your analysis?
17	A Well, I obviously don't know what they
18	haven't given me because I haven't seen it.
19	Q You haven't seen anything?
20	A I'm not aware of anything that they have
21	not given me that I needed for my analysis.
22	Q Well, what did they give you?

Page 157 1 MR. UHOLIK: I would assume that you 2 would have access to his deposition. 3 MR. KOGAN: It is convenient for you to 4 forget. 5 MR. UHOLIK: If you want to discuss Mr. 6 Brace's testimony, put a deposition in front of my 7 client. 8 MR. KOGAN: Yes, I understand. 9 MR. UHOLIK: Excuse me. My expert. Not client. 10 11 BY MR. KOGAN: 12 So there are beaver dams -- there were 13 beaver dams along north of Lane Road or along Elk 14 Creek. 15 MR. UHOLIK: Objection to counsel's 16 testimony. 17 BY MR. KOGAN: 18 You did not take those into account in 19 your report because the Government intentionally 20 withheld that information because they want to 21 create for you an artificial situation for you to 22 make a report.

Page 158 MR. UHOLIK: Objection as to counsel's 1 2 testimony --BY MR. KOGAN: 3 4 0 So your report is a --5 MR. UHOLIK: -- and his characterization of the Government's motives. 6 7 BY MR. KOGAN: 8 -- doesn't have a lot of important data which it should have because the Government 9 10 withheld it from you. 11 MR. UHOLIK: Objection. 12 BY MR. KOGAN: 13 0 And I don't blame you for that, sir. 14 MR. UHOLIK: Objection as to counsel's 15 testimony. 16 MR. KOGAN: Okay. THE WITNESS: Well, I can -- what I can 17 18 tell you with regard to my report and beaver dams 19 within the Marsh property, had I seen anything in historical orthoimagery that indicated to me that 20 21 beaver dams had, in fact, at any time been present 2.2 in the Marsh property, I would have pursued it,