

1 STATE OF NEW YORK
2 SUPREME COURT

COUNTY OF ALBANY

3 In the Matter of the Application of
4 PROTECT THE ADIRONDACKS!, INC.,

Plaintiff-Petitioner,

5 -against-

Index No. 2137-13

6 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL
7 CONSERVATION and ADIRONDACK PARK AGENCY,

Defendants-Respondents.

8
9 Volume XII

- N O N - J U R Y T R I A L -

10 BEFORE: HON. GERALD W. CONNOLLY
11 Acting Justice of the Supreme Court

12
13 Transcript of the Proceedings held on the record
14 on March 28, 2017, at the Albany County Courthouse, Albany,
15 New York.

16 APPEARANCES:

17 For the Plaintiff:

18 JOHN W. CAFFRY, ESQUIRE
19 CLAUDIA K. BRAYMER, ESQUIRE

20 For the Defendants:

21 LORETTA SIMON, ESQUIRE
22 MEREDITH G. LEE-CLARK, ESQUIRE
23 Assistant Attorneys General
24

Protect the Adirondacks! v. NYS DEC & APA

1 (Defendants' Exhibits CU, CV, CX, CZ, DB,
2 and DD marked for identification.)

3 THE COURT: All set, Counsel?

4 MS. LEE-CLARK: Yes, your Honor.

5 THE COURT: It's my understanding from the defense
6 they wanted to take a witness out of order at this point
7 to keep things moving and to meet that witness's
8 schedule. Is that correct?

9 MS. LEE-CLARK: That's correct, your Honor.
10 Actually, two witnesses.

11 THE COURT: Two witnesses.

12 You have no objection?

13 MR. CAFFRY: No objection, your Honor.

14 Your Honor, after we finished yesterday, the
15 parties reached a stipulation that Plaintiff's Exhibit
16 number 168 could be admitted. That was the DEC policy
17 CP-38 Forest Preserve Roads, and I would like to
18 resubmit that at this time.

19 THE COURT: Is that correct, Counsel?

20 MS. LEE-CLARK: That is correct.

21 THE COURT: That stipulation is accepted. And 168
22 you said?

23 MR. CAFFRY: Yes, your Honor.

24 THE COURT: 168 is received into evidence. You can

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1 bring it up here to be marked if you haven't already.

2 MR. CAFFRY: It's already marked. It needs to
3 be --

4 THE COURT: Marked into evidence.

5 (Plaintiff's Exhibit 168 received in
6 evidence.)

7 THE COURT: All right. All set, Miss Lee-Clark?

8 MS. LEE-CLARK: Yes, your Honor.

9 We would like to call Joshua Clague to the stand.

10 **THEREUPON,**

11 **JOSHUA CLAGUE,**

12 **called as a witness, having been first duly sworn, was examined and**
13 **testified as follows:**

14 **DIRECT EXAMINATION**

15 THE COURT: Sir, I'm Judge Connolly. Good morning.
16 Just a couple of things before we begin.

17 First, we have a court reporter who is taking down
18 verbatim everything that is said. Because of that I
19 need you to make sure when you answer questions, you
20 answer them out loud and in a form that she can take
21 them down.

22 THE WITNESS: Okay.

23 THE COURT: Basically that means stay away from
24 head nods yes or no and stay away from uh-huh and un-un,

(Joshua Clague - Direct by Ms. Lee-Clark)

1 as I understand they come out looking the same on the
2 transcript.

3 If you hear an objection at any point, don't answer
4 the question until I have ruled on it. If you are
5 speaking already, stop speaking immediately when you
6 hear the objection. I will rule on it and I will tell
7 you whether you can answer. Okay?

8 THE WITNESS: Okay.

9 THE COURT: Finally, if Mr. Caffry or
10 Miss Braymer -- who is it today? Is it you today, Mr.
11 Caffry?

12 MR. CAFFRY: Yes, me, your Honor.

13 THE COURT: If Mr. Caffry says in a question I need
14 a yes or no answer to this question, you have three
15 possible answers, yes, no, and I can't answer that with
16 a yes or no answer. Do not explain or go any further on
17 any one of the three. Understood?

18 THE WITNESS: Yes.

19 THE COURT: Thank you.

20 Miss Lee-Clark, please go ahead.

21 MS. LEE-CLARK: Thank you, your Honor.

22 BY MS. LEE-CLARK:

23 Q Could you please state your full name for the
24 record?

(Joshua Clague - Direct by Ms. Lee-Clark)

1 A Joshua Daniel Clague.

2 Q Mr. Clague, where are you employed?

3 A At the New York State Department of Environmental
4 Conservation.

5 Q When did you begin working at DEC?

6 A In 2008.

7 Q What is your current title?

8 A Associate Natural Resources Planner.

9 Q Do you hold any degrees?

10 A Yes.

11 Q What are they?

12 A I have a Bachelor's in Horticulture from Oregon
13 State University. Master's in Landscape Design with an
14 emphasis in Ecological Planning from the Conway School,
15 C-O-N-W-A-Y.

16 Q In your current position, what are your job
17 responsibilities?

18 A My primary responsibility is the coordination and
19 oversight of our Unit Management Plan for forest preserve
20 Unit Management Plans for the Adirondack and Catskill Parks.
21 That entails working with regional staff and other central
22 office staff to develop the Unit Management Plans through,
23 you know, just the basic writing of the UMPs, making sure
24 they comply with department policies and procedures, and

(Joshua Clague - Direct by Ms. Lee-Clark)

1 guidance documents, and coordinating the review of those
2 UMPs, both regionally and through our legal and executive
3 teams within central office.

4 Q Do you do any mapping as part of your job?

5 A I do.

6 Q Can you explain that a little bit, within the
7 context of Unit Management Plans?

8 A Sure. I occasionally create maps for the use in
9 Unit Management Plans. I also oversee other staff who do the
10 same thing. Or I work, not in a supervisory role, but work
11 with regional staff who occasionally do the same type of
12 mapping work and provide guidance on what needs to be in
13 those maps.

14 Q You said you supervise people. How many people do
15 you supervise?

16 A Two.

17 Q Are you familiar with the first cause of action in
18 the Petition and Complaint?

19 A I am.

20 Q Are you familiar with Article XIV, Section 1, of
21 the New York State Constitution, also known as the Forever
22 Wild Clause?

23 A Yes.

24 Q Are you familiar with Class II community connector

(Joshua Clague - Direct by Ms. Lee-Clark)

1 trails?

2 A Yes.

3 Q I will call them Class II trails. What is your
4 understanding of what those are?

5 A Class II trails are a type of snowmobile trail
6 that's defined in our snowmobile management guidance that are
7 designed, constructed, and maintained to accommodate
8 long-distance travel between communities, as well as the
9 equipment that is needed to maintain those trails to a safe
10 standard.

11 Q Have you been involved in any planning or
12 construction of Class II trails?

13 A I'm involved frequently at the Unit Management
14 Planning level, yes.

15 Q Which ones have you been involved with? Which
16 trails have you been involved with?

17 A Most recently, and I was probably most involved
18 with the planning that was contained in what we call the
19 community connector trail planning that has the Newcomb to
20 Minerva Trail and the Newcomb to North Hudson Trails.

21 Q What was your role with those trails or any other
22 Class II trails that you worked on?

23 A My role in this instance was I was actually the
24 primary or lead author on the UMP Amendment. That document

(Joshua Clague - Direct by Ms. Lee-Clark)

1 was technically a UMP Amendment, but had the title of
2 community connector trail plan. So I worked with the
3 regional staff making sure that I understood the ground
4 conditions enough to communicate in the plan what the
5 department's desire was for connecting those communities. So
6 I made sure I understood the ground conditions enough and
7 then I also had an understanding of the policy and the
8 guidance. That I kind of take those two and put it into
9 writing the department's proposal.

10 Q When you are writing Unit Management Plans, not
11 just the community connector trail plan, but other Unit
12 Management Plans, or UMPs, do you coordinate or explain any
13 sort of environmental review?

14 A Yes. All our of Unit Management Plans are subject
15 to SEQR, State Environmental Quality Review.

16 So every UMP we have to fill out an
17 environmental assessment form as prescribed by SEQR and
18 either make a negative or positive declaration and follow
19 SEQR throughout what the law requires us to.

20 So a plan, if it's a negative declaration,
21 then we have to demonstrate why, either through the
22 environmental assessment forms and through the writing of our
23 Unit Management Plan.

24 If it's a positive declaration, then our Unit

(Joshua Clague - Direct by Ms. Lee-Clark)

1 Management Plans also are environmental impact statements and
2 follow the SEQOR law with the prescriptions for what that
3 requires.

4 So that environmental review is contained in
5 our UMPs.

6 Q Thank you. Mr. Clague, I've handed you what has
7 been marked for identification as Defendants' Exhibit CK. Do
8 you recognize this document?

9 A I do.

10 Q What is it?

11 A It's a map of the Adirondack Park that shows the
12 Class II trails or community connector trails that are my
13 understanding are subject or relevant to this lawsuit.

14 Q Did you make this map?

15 A I did.

16 Q When did you make it?

17 A I made it this month, March of 2017.

18 Q What sources did you use to create the map?

19 A The department maintains datasets for GIS or
20 Geographic Information Systems. It's the digital mapping
21 data and software that we use to make maps like this. So
22 everything on here was derived from currently maintained sets
23 the department maintains.

24 Q Does this map fairly and accurately depict the

(Joshua Clague - Direct by Ms. Lee-Clark)

1 current forest preserve lands and the locations of the
2 community connector Class II trails at issue in this case?

3 MR. CAFFRY: Objection, your Honor. This calls for
4 an expert opinion, both as to the methodology behind the
5 map as to whether or not it's accurate. These are
6 things that would require an expert opinion.

7 When we put in maps, we only put them in through
8 experts. This witness was not on the state's witness
9 list. He was listed as a fact witness and not an expert
10 witness.

11 So we would object to this, him testifying as to
12 this map on anything that would require an expert
13 opinion.

14 THE COURT: Your objection is overruled.

15 Go ahead. Ask your next question.

16 I'm sorry. Answer the question. If you don't
17 remember it, we can have it read back for you.

18 THE WITNESS: Please.

19 (Whereupon the Reporter read back the
20 last question.)

21 A It does.

22 MS. LEE-CLARK: Your Honor, I would like to move to
23 admit Defendants' Exhibit CK into evidence.

24 MR. CAFFRY: Same objection, your Honor.

(Joshua Clague - Direct by Ms. Lee-Clark)

1 THE COURT: The objection is overruled. CK is
2 received into evidence.

3 (Defendants' Exhibit CK received in
4 evidence.)

5 MS. LEE-CLARK: I'm all done with CK.

6 BY MS. LEE-CLARK:

7 Q Mr. Clague, did there come a time in this
8 litigation when you were asked to create maps of trail
9 closures related to Class II trails?

10 A Yes.

11 Q What information did you look at to create those
12 maps?

13 A So, similar to Exhibit CK, the information is
14 derived from existing datasets showing where all of our
15 trails are. But to show where the closures are on those
16 trails, the information is contained in UMPs or Unit
17 Management Plans.

18 Q Thank you. Mr. Clague, I have handed you what has
19 been marked for identification as Defendants' BU. Do you
20 recognize this document?

21 A I do.

22 Q What is it?

23 A It's a map depicting the Moose River Plains Wild
24 Forest, and specifically on there are trails, snowmobile

(Joshua Clague - Direct by Ms. Lee-Clark)

1 trails, that were identified in the 2011 Moose River Plains
2 UMP, for both closure to snowmobiling, as well as a new trail
3 that was proposed for construction.

4 Q Did you make it?

5 A I did.

6 Q What sources -- we have already been over this, but
7 what sources did you use to make this map?

8 A The same as the previous exhibit, which are
9 currently maintained DEC datasets that have the digital
10 information. And then the actual information on the closures
11 and proposals, all the proposals proposed actions were from
12 the UMP.

13 Q When did you make this map?

14 A I made this map earlier this year. I believe it
15 was last month.

16 MS. LEE-CLARK: Your Honor, I would like to move to
17 admit Exhibit BU.

18 MR. CAFFRY: Can I have some voir dire, your Honor?

19 THE COURT: Certainly. Go right ahead.

20 VOIR DIRE EXAMINATION

21 BY MR. CAFFRY:

22 Q Mr. Clague, you said you made this map last month.
23 Isn't it true that it's actually identical to the map you
24 made that was submitted with your Affidavit in August of

(Joshua Clague - Direct by Ms. Lee-Clark)

1 2016, or is there a difference?

2 A No. I apologize. I was confusing it with the map
3 previously. So there is a map from my Affidavit. Sorry for
4 that.

5 Q And did you, yourself, visit any of the trails that
6 are purportedly closed in the Moose River Plains Wild Forest?

7 A I have visited them previously.

8 Q Did you prior to preparing this map?

9 A Not immediately, no, or not in preparation for this
10 map.

11 MR. CAFFRY: Your Honor, would this be an
12 appropriate time to make my objection?

13 THE COURT: Sure.

14 MR. CAFFRY: I object for the same reason as I
15 objected to the prior one. That this calls for expert
16 testimony and he's not on the defendants' expert witness
17 list.

18 In addition, this map is not just a map of trails.
19 It contains additional information about whether or not
20 the UMP's recommendations to close or not close trails
21 have been implemented and he has not testified about
22 that. And that's an entirely different matter than just
23 creating the map from a dataset. There is no foundation
24 for that. So I would object to its introduction.

(Joshua Clague - Direct by Ms. Lee-Clark)

1 THE COURT: Miss Lee-Clark?

2 MS. LEE-CLARK: Your Honor, we have another
3 witness, because we are taking Mr. Clague out of order,
4 we have another witness who is the forester for that
5 area who will be testifying as to the actual closures.
6 Mr. Clague is simply testifying that this map is based
7 on trail closures in the UMP as they were effective with
8 the UMP process, but the further development will be
9 laid with Mr. DeSantis.

10 THE COURT: All right. The exhibit will be
11 received into evidence subject to that connection. If
12 that connection is not made or if you believe it has not
13 been made, Mr. Caffry, you may reassert your objection,
14 particularly with regard to any notations on -- what is
15 the exhibit?

16 THE WITNESS: BU.

17 THE COURT: Again?

18 THE WITNESS: BU.

19 THE COURT: On BU.

20 But it is received by the Court subject to that
21 connection.

22 (Defendants' Exhibit BU received in
23 evidence.)

24

(Joshua Clague - Direct by Ms. Lee-Clark)

1 BY MS. LEE-CLARK:

2 Q Mr. Clague, looking still at Exhibit BU --

3 MS. LEE-CLARK: Your Honor, would you like a copy
4 of this?

5 THE COURT: Sure.

6 Do you have a copy, Mr. Caffry?

7 MR. CAFFRY: Exhibit BU, yes, your Honor.

8 Q Mr. Clague, what do the red lines on BU indicate?

9 A Anything that has a red outline was identified in
10 the Moose River Plains UMP to be closed to snowmobiling.

11 Q What do the yellow lines indicate?

12 A Everything in yellow was proposed to have
13 snowmobile use added or it be constructed for snowmobiling.

14 Q Where did that information come from?

15 A It was in the Unit Management Plan, the 2011 Unit
16 Management Plan.

17 Q How do you know these closures have been
18 implemented?

19 A What I do know is that the Moose River Plains UMP
20 effectively closed these trails upon its adoption.

21 Q Mr. Clague, I have handed you what is already in
22 evidence as Plaintiff's Exhibit 68. Do you recognize this
23 document?

24 A I do.

(Joshua Clague - Direct by Ms. Lee-Clark)

1 Q Did you make it?

2 A I did.

3 Q What is that document?

4 A It is a map of the Wilmington Wild Forest and it
5 shows specifically on there trails related to snowmobiling
6 and the proposals contained in the 2005 Wilmington Wild
7 Forest UMP Amendment related to those trails, such as which
8 trails were going to be opened or created for snowmobiling
9 and which trails were to be closed to snowmobiling.

10 Q Did you make this map in the same manner and
11 through the same process as you did for Exhibit BU?

12 A I did.

13 Q How do you know that the -- withdrawn. What do the
14 yellow lines indicate on this map?

15 A The yellow trail or yellow lines indicate a trail
16 that was to be opened or created for snowmobiling as proposed
17 in the UMP.

18 Q What does the red line indicate?

19 A A section of trail that had been opened to
20 snowmobiling that was proposed to be --

21 MR. CAFFRY: Objection. I believe this calls for
22 hearsay, because unless he visited the trail himself, he
23 has no personal knowledge of whether or not this trail
24 was closed.

(Joshua Clague - Direct by Ms. Lee-Clark)

1 MS. LEE-CLARK: I'm getting to that, your Honor.

2 THE COURT: The objection is sustained.

3 You may start over again on that point.

4 BY MS. LEE-CLARK:

5 Q Mr. Clague, have you visited the trailhead for the
6 section of trail proposed to be closed on this map?

7 A I did.

8 Q When did you visit it?

9 A Last week.

10 Q Did you take any photographs?

11 A I did.

12 Q So I have also handed you what has been marked as
13 Defendants' Exhibit CT. Do you recognize those documents?

14 A They don't have a marking on them, but assuming it
15 was what you handed me, then yes, I do recognize these.

16 Q It's on the back.

17 A Yes. Thank you. I do recognize it, yes.

18 Q What are they?

19 A They are three photographs that I took at or near
20 that trailhead last week.

21 Q And where is that trailhead located?

22 A On Bonnieview Road in the Town of Wilmington.

23 Q Do these -- how many photographs are contained in
24 that document?

(Joshua Clague - Direct by Ms. Lee-Clark)

1 A Three.

2 Q Do these three photographs fairly and accurately
3 depict the scene at the Cooper Kill Trailhead at Bonnieview
4 Road when you were there?

5 A They do.

6 MS. LEE-CLARK: Your Honor, I would move to admit
7 CT into evidence.

8 MR. CAFFRY: Voir dire, your Honor?

9 THE COURT: Go ahead.

10 VOIR DIRE EXAMINATION

11 BY MR. CAFFRY:

12 Q On the third page, what's that line in the
13 foreground of the picture?

14 A At the bottom?

15 Q At the bottom.

16 A That's the edge of the Bonnieview Road.

17 Q There is a black thing there. Do you see that?

18 A I do not.

19 Q Can you tell us what the sign says on the -- that's
20 on the right side of the first page?

21 A Motorized vehicles prohibited.

22 MR. CAFFRY: Maybe my pictures aren't in the same
23 order as yours.

24 MS. LEE-CLARK: Your Honor, may I just doublecheck?

(Joshua Clague - Direct by Ms. Lee-Clark)

1 THE COURT: Sure. Why don't you take that right
2 down with you for a moment.

3 MS. LEE-CLARK: Thank you.

4 I apologize, your Honor.

5 THE COURT: That's all right.

6 VOIR DIRE CONTINUED

7 BY MR. CAFFRY:

8 Q Now that we have straightened out the pages so that
9 everybody has the same pages in the same order, looking at
10 the second page, do you see an object in the foreground at
11 the bottom of the picture?

12 A Yes.

13 Q What is that?

14 A Those are my car keys.

15 Q And on the third page, do you see a sign on the
16 right side standing on the post, appears to be just off the
17 roadside there?

18 A Yes.

19 Q And what does that say?

20 A It says trail to Cooper Kill Pond, 2.2, and
21 something about Franklin Falls Road on the bottom line with a
22 distance that I don't recall. I believe it says 5.9.

23 MR. CAFFRY: No objection to this exhibit, your
24 Honor.

(Joshua Clague - Direct by Ms. Lee-Clark)

1 THE COURT: CT is received into evidence.

2 (Defendants' Exhibit CT received in
3 evidence.)

4 BY MS. LEE-CLARK:

5 Q Mr. Clague, before we leave Plaintiff's Exhibit 68,
6 can you tell us what the red lines indicate again?

7 A The red line was a section of trail that was
8 proposed in the 2005 UMP to be closed to snowmobiling.

9 Q And the yellow lines?

10 A Those lines represent trails that were either to be
11 opened or constructed for the purpose of snowmobiling in that
12 same UMP.

13 Q Mr. Clague, I have also handed you Defendants'
14 Exhibit BW, which has been marked for identification. Do you
15 recognize this document?

16 A I do.

17 Q What is it?

18 A The map depicting a portion of the Jessup River
19 Wild Forest and two segments of trail related to snowmobiling
20 that were identified in the 2010 Jessup River Wild Forest UMP
21 Amendment, specifically a trail proposed to be constructed
22 for snowmobiling, and a segment of trail proposed to be
23 closed to snowmobiling.

24 Q Did you make this map?

(Joshua Clague - Direct by Ms. Lee-Clark)

1 A I did.

2 Q When did you make it?

3 A I believe it was sometime last year.

4 Q What were the sources for this map that you used to
5 create this map?

6 A Everything on the map is derived from department
7 maintained datasets and the specific information related to
8 snowmobiling came from that 2010 UMP Amendment that I
9 identified earlier.

10 Q Does this map fairly and accurately depict that
11 information contained in those datasets?

12 A It does.

13 MS. LEE-CLARK: Your Honor, I move to admit
14 Defendants' BW into evidence.

15 MR. CAFFRY: Two objections, your Honor.

16 One, again, he's not an expert. I will renew my
17 objection, the same as the other perhaps.

18 Second, we have -- there is, again, this contains
19 notations regarding whether or not a trail closure was
20 implemented. We have heard no testimony from this
21 witness or any other as to whether or not that actually
22 occurred, therefore, any such notation is hearsay.

23 MS. LEE-CLARK: Your Honor, we will present
24 evidence, again, from Jonathan DeSantis, who is the

(Joshua Clague - Direct by Ms. Lee-Clark)

1 forester also for that area, and he will provide
2 firsthand evidence as to the closure's implementation.

3 THE COURT: All right. The objection is overruled.
4 BW is received into evidence subject to further
5 testimony being presented in support of the notations on
6 the map. If it is not supported, then you -- excuse me.
7 If such evidence is not presented, you may renew your
8 objection, Mr. Caffry, at any point in the trial.

9 MR. CAFFRY: Thank you, your Honor.

10 (Defendants' Exhibit BW received in
11 evidence.)

12 MS. LEE-CLARK: Those are all the questions I have,
13 your Honor.

14 THE COURT: Okay.

15 Mr. Caffry, are you all set or do you need a
16 moment?

17 MR. CAFFRY: Just one moment.

18 **CROSS EXAMINATION**

19 BY MR. CAFFRY:

20 Q Mr. Clague, referring you to Defendants' Exhibit
21 CK, do you have that before you?

22 A Yes.

23 Q That's the map you made of the snowmobile trails?
24 Or I will read from the top. Quote, Class II Trails Relevant

(Joshua Clague - Cross by Mr. Caffry)

1 to Protect the Adirondacks! Inc. versus NY DEC APA.

2 A Yes.

3 Q And you testified that you made this this month, in
4 March. Can you look at the bottom and see if that is
5 correct?

6 A Yes.

7 Q My copy says February 2017. Is there a discrepancy
8 in the exhibits again?

9 MR. CAFFRY: Your Honor, I was given a copy that is
10 apparently different from the one that was admitted into
11 evidence.

12 THE COURT: Why don't we make a copy of the one
13 that was admitted into evidence right now. We will give
14 it to you. If you need a few moments to look at it, you
15 can have it. Okay?

16 MR. CAFFRY: Let me just take a moment.

17 THE COURT: However you want to do it. If you want
18 the one that's in his hand that he's using, you are more
19 than welcome to do it.

20 (Pause.)

21 THE COURT: Are you all set?

22 MR. CAFFRY: Yes, your Honor.

23 THE COURT: Please go ahead.

24 MR. CAFFRY: Just to clarify, the copy that

(Joshua Clague - Cross by Mr. Caffry)

1 defendants' attorneys gave me yesterday, which was
2 marked with a label that says Exhibit CK, is slightly
3 different than the one they admitted and we have now
4 resolved that.

5 THE COURT: Do you need some more time?

6 MR. CAFFRY: I'm ready.

7 THE COURT: Go ahead.

8 BY MR. CAFFRY:

9 Q So, Mr. Clague, in looking at this, it seems to
10 show various trail segments as little black lines. Would
11 that be fair to say?

12 A Yes.

13 Q And to your knowledge, these are all trails that
14 are relevant to this case?

15 A Correct.

16 Q And looking on the upper right side, about the
17 middle, do you see one that says Palmer Pond Bridge access?

18 A Correct.

19 Q And you put that on there?

20 A Yes.

21 Q Do you know how many trees were cut for the
22 construction of that trail?

23 A I do not.

24 Q That's not within the work you do on the Unit

(Joshua Clague - Cross by Mr. Caffry)

1 Management Plans?

2 A Not typically.

3 Q Regarding Exhibit BW, you said you based this
4 exhibit on the Jessup River Wild Forest Unit Management Plan
5 from 2010; is that correct?

6 A An amendment to the plan.

7 Q An amendment to the plan.

8 A To the 2010.

9 Q And that gave you the information you needed on
10 trail closures to produce this map?

11 A The information on the body of the map itself, yes.

12 Q I have just handed you what has been marked as
13 Defendants' Exhibit F, which is the Jessup River Wild Forest
14 UMP Amendment of 2006 I believe. Is that correct?

15 A 2010.

16 Q 2010. Oh, I'm sorry, you are correct.

17 Yes or no. As shown by this Unit Management
18 Plan, there is still numerous other snowmobile trails in that
19 unit, even after the closure of the trail marked in red on
20 your map?

21 A Yes.

22 Q Yes or no. So far only one trail has been closed
23 since the construction of the Gilmantown Trail, which is
24 marked in yellow on your map?

(Joshua Clague - Cross by Mr. Caffry)

1 A I don't know.

2 Q Would you look at Exhibit F, pages 15 to 22?

3 A Yes.

4 Q And would it be fair to say that this is an
5 eight-page long table showing snowmobile trails in that unit
6 which are existing, proposed to be closed, proposed to be
7 built, proposed to be reopened, in general an inventory of
8 all snowmobile trails?

9 A That is correct.

10 Q And yes or no. The Unit Management Plan Amendment
11 has authorized the reopening of some currently closed trails
12 in the building of additional miles of trails?

13 THE COURT: Just so I'm clear, are we talking about
14 as part of the Class II community connector trails as
15 part of the trails you referenced in your question?

16 MR. CAFFRY: It's talking about the entire chart,
17 your Honor. As we have seen, for instance, with the
18 Moose River Plains, they have claimed -- the state has
19 claimed offsets for closing all types of snowmobile
20 trails, whether Class I or Class II. That's where this
21 question is going.

22 THE COURT: Okay. I just wanted to know exactly
23 what you were referencing in your question. You can go
24 wherever you want. You don't need to tell me where

(Joshua Clague - Cross by Mr. Caffry)

1 you're going, but I want you to be clear on the
2 question. So if you can ask that question and just be
3 clear for me on that one I would appreciate it.

4 BY MR. CAFFRY:

5 Q Mr. Clague, does the chart on pages 15 to 22 show
6 trails of both Class I and Class II status?

7 A Yes.

8 Q And yes or no, it authorizes the reopening of some
9 currently closed trails and the building of more miles of
10 trails?

11 MS. LEE-CLARK: Objection.

12 THE COURT: What's the objection?

13 MS. LEE-CLARK: The objection is to relevance. If
14 this is including Class I trails, those are not at issue
15 in this case.

16 THE COURT: Overruled. But I'm going to sustain
17 the objection as a compound question, because you asked
18 about two different trails or two, functionally two
19 different sets of questions.

20 So break them down so I understand in our
21 transcript what we are speaking about, please.

22 MR. CAFFRY: Yes, your Honor.

23 THE COURT: But the objection generally is
24 overruled.

(Joshua Clague - Cross by Mr. Caffry)

1 Go ahead.

2 BY MR. CAFFRY:

3 Q Yes or no. The Unit Management Plan Amendment
4 authorized the reopening of some trails that were currently
5 closed as of the time this was adopted?

6 A I can't answer that.

7 Q Can you look at the document and see if it says
8 that? For instance, the first one listed on page 15 and the
9 second one on page 15?.

10 A Yes, it does authorize that.

11 Q And yes or no. The UMP Amendment authorized the
12 building of more miles of trails in addition to the reopening
13 of some closed trails?

14 A Yes.

15 Q Yes or no. On page 22 of the table in Exhibit F,
16 at the very bottom, do you see a column third from the right
17 that says net post 1972 gain or loss?

18 A Yes, I see it.

19 Q And the bottom row says adjusted snowmobile trail
20 mileage?

21 A Yes.

22 Q What does it say in that box?

23 A Net gain of 2.4 miles.

24 Q So that's for the entire unit?

(Joshua Clague - Cross by Mr. Caffry)

1 A Correct.

2 Q Turning now, I have also handed you Exhibit F,
3 Defendants' Exhibit F, which is already in evidence. I'm
4 sorry, E.

5 THE COURT: By the way, F was in evidence.

6 MR. CAFFRY: Yes. It was stipulated into evidence
7 relatively early on.

8 THE COURT: Got it.

9 Now we are on E, and E is in evidence also?

10 MR. CAFFRY: E is also in evidence.

11 THE COURT: Thank you. Please go ahead.

12 BY MR. CAFFRY:

13 Q Do you have that in front of you, Exhibit E?

14 A Yes.

15 Q And is that the Unit Management Plan for the
16 Wilmington Wild Forest dated October 2005?

17 A It is.

18 Q You testified that you used that document in
19 preparing your exhibit, which has been admitted as Exhibit
20 68?

21 A I did.

22 Q So you are familiar with it?

23 A Yes.

24 Q Would you please look at page 68 of that Unit

(Joshua Clague - Cross by Mr. Caffry)

1 Management Plan?

2 A Yes.

3 Q Do you have that there?

4 A I do.

5 Q And would it be fair to say that that's a table
6 showing snowmobile trail mileage in the Wilmington Wild
7 Forest?

8 A It is.

9 Q And do you see a column that says current trail
10 mileage?

11 A Yes.

12 Q What does that say at the bottom for the total?

13 A Five point nine.

14 Q So that would have been the mileage as of 2005 when
15 this plan was adopted?

16 A Yes.

17 THE COURT: What was the number again?

18 THE WITNESS: Five point nine.

19 THE COURT: Thank you.

20 BY MR. CAFFRY:

21 Q Below the table, so you see a paragraph that starts
22 with the sentence, the preferred alternative is alternative
23 1D. Do you see that?

24 A I do.

(Joshua Clague - Cross by Mr. Caffry)

1 Q Did I read it accurately?

2 A Yes.

3 Q If you go back to the table, do you see a column
4 that's labeled at the top 1D?

5 A Yes.

6 Q Would it be your understanding that that would
7 conform to the preferred alternative?

8 A To the best of my knowledge in terms of exact
9 mileages I can't say, but yes.

10 Q But that's the trail, the new trail, the preferred
11 alternative 1D, is the one depicted on your Exhibit 68; is
12 that correct?

13 A That's my understanding.

14 Q So, under 1D in the table at the top of page 68,
15 what does it give as the total mileage in the Wilmington Wild
16 Forest after the construction of that trail?

17 A Six point two five miles.

18 Q And yes or no. That's an increase of .35 miles.
19 Yes or no. That's an increase of .35 miles?

20 A Yes.

21 Q And would you turn to page 127 of Exhibit E?

22 A Okay.

23 Q And do you see at the top where it says Appendix
24 13, response to public comment, DEC response to public

(Joshua Clague - Cross by Mr. Caffry)

1 comments received on the UMP for the Wilmington Wild Forest.

2 Do you see that there?

3 A Yes.

4 Q Do you see a section below headed snowmobiling?

5 A I do.

6 Q Can you read for us the comment and the DEC
7 response number 2?

8 A The comment reads, turn the Cooper Kill snowmobile
9 trail into a cross-country ski trail.

10 The response reads. The preferred alternative
11 in the plan is proposing to close the eastern 4 miles of the
12 Cooper Kill Trail to snowmobiles. Nordic skiing and hiking
13 will continue to be allowed on this trail system.

14 Q And is that the trail that's supposedly closed, the
15 eastern 4 miles, is that the -- include the trailhead
16 depicted in your photographs which were introduced as Exhibit
17 CT?

18 A That is correct.

19 Q So even though this trail was closed to snowmobile
20 use, it's still available for other uses?

21 A That is correct.

22 Q Mr. Clague, you discussed in your direct testimony
23 that the Class II trails, and correct me if I'm paraphrasing
24 inaccurately, are intended to accommodate long distance

(Joshua Clague - Cross by Mr. Caffry)

1 travel and also the equipment to maintain the trails for safe
2 travel. Is that basically what you said?

3 A Yes.

4 Q What type of equipment are you talking about?

5 MS. LEE-CLARK: Objection.

6 THE COURT: What's the objection?

7 MS. LEE-CLARK: It's outside the scope of this
8 proceeding. The Article 78 about any grooming or such
9 vehicles was dismissed about three years ago.

10 THE COURT: The Article 78?

11 MS. LEE-CLARK: The portion of, and causes of
12 action two and three, which all dealt with grooming
13 vehicles.

14 THE COURT: Right. But these -- so presumably Mr.
15 Caffry is looking to explore this topic as relevant to
16 the wild forest issue and the size of the trails.

17 MS. LEE-CLARK: I don't presume to know why he's
18 asking this, your Honor.

19 THE COURT: Go ahead, Mr. Caffry.

20 MR. CAFFRY: Thank you, your Honor.

21 THE COURT: Well, hang on. Go ahead means I would
22 like to hear more on the objection.

23 MR. CAFFRY: I'm sorry. Yes. Yes. First of all,
24 I believe he opened the door to it, but it is within the

(Joshua Clague - Cross by Mr. Caffry)

1 scope of direct.

2 Yes, it has to do with why the trails are as wide
3 as they are, why the bridges are as large as they are,
4 questions like that.

5 THE COURT: Don't they speak for themselves, the
6 size of the trails and the size of the vehicles?

7 What's the relevance of what she's calling the
8 Article 78 issue to the determination I have to make?

9 MR. CAFFRY: The impacts of the trails are related
10 to the uses that are to be put to it, including the
11 width of the trails and the size of the bridges is based
12 in our, we believe, due to the size of the grooming
13 machines used for the snowmobile trails.

14 THE COURT: I'm willing to accept that possibility,
15 but I still don't see the relevance if we already know
16 the size of the trails and the size of the bridges.

17 If it goes in some way to the credibility of the
18 substantive issue of what those sizes are, I suppose I
19 will allow it, but you need to tell me how it goes to
20 that issue.

21 MR. CAFFRY: They are built larger than they need
22 to be for, say, a snowmobile, because it's our belief,
23 and that's why I'm asking him, because of the need to
24 accommodate the grooming machines, which are a unique

(Joshua Clague - Cross by Mr. Caffry)

1 feature of Class II trails, as opposed to Class I trails
2 where those groomers are not allowed.

3 THE COURT: I think it's of extraordinarily limited
4 relevance, but since it's a non-jury trial, I will allow
5 it over your exception -- your objection.

6 MS. LEE-CLARK: May I be briefly heard on what Mr.
7 Caffry just stated?

8 THE COURT: I have heard enough. Thank you. You
9 have your exception.

10 Go ahead.

11 Do you want to hear the question again?

12 THE WITNESS: I would, please.

13 (Whereupon the Reporter read back the
14 last question.)

15 A It's my understanding that the snowmobile guidance
16 that we follow for the construction and maintenance of these
17 trails allows for grooming equipment that we call tracked.

18 BY MR. CAFFRY:

19 Q And those are only allowed on Class II trails,
20 isn't that correct?

21 A That's my understanding.

22 Q And do you have knowledge of the size, the width,
23 the weight of these machines?

24 MS. LEE-CLARK: I'm renewing my objection, your

(Joshua Clague - Cross by Mr. Caffry)

1 Honor. Use is not an issue.

2 THE COURT: Sustained.

3 BY MR. CAFFRY:

4 Q Do you have any knowledge of the weight of these
5 machines?

6 MS. LEE-CLARK: Objection.

7 MR. CAFFRY: Goes to the question of the bridges,
8 your Honor.

9 THE COURT: The objection is sustained.

10 Q Are you aware of other machinery used to --
11 withdrawn.

12 Are you aware of whether or not the applicable
13 guidances or policies allow other types of machinery to be
14 used for maintenance of the trails?

15 MS. LEE-CLARK: Objection.

16 THE COURT: Overruled. You may answer.

17 A I'm aware that snowmobiles pulling a drag are also
18 allowed.

19 Q What about all-terrain vehicles?

20 MS. LEE-CLARK: Objection.

21 THE COURT: Overruled. You may answer.

22 A It's my understanding that those are not allowed.

23 Q What about motor vehicles, trucks and the like?

24 MS. LEE-CLARK: Objection.

(Joshua Clague - Cross by Mr. Caffry)

1 THE COURT: Overruled.

2 A Not on Class II trails. Only on roads.

3 MR. CAFFRY: Can I have one moment, your Honor? I
4 think I'm almost done.

5 THE COURT: Yes.

6 (Pause.)

7 MR. CAFFRY: No further questions.

8 THE COURT: Any redirect?

9 MS. LEE-CLARK: Yes, your Honor.

10 THE COURT: Go ahead.

11 **REDIRECT EXAMINATION**

12 BY MS. LEE-CLARK:

13 Q Mr. Clague, to your knowledge, have all of the
14 trail closures listed in the Wilmington UMP, were they
15 effective as of the date of that UMP approval?

16 MR. CAFFRY: Objection, hearsay. Unless he's
17 visited it himself at that time.

18 THE COURT: Overruled. I think it falls within the
19 scope of his responsibilities as he set them forth
20 already.

21 You may answer if you can.

22 MS. LEE-CLARK: And you can look in the UMP if you
23 want.

24 THE COURT: Which UMP?

(Joshua Clague - Redirect by Ms. Lee-Clark)

1 MS. LEE-CLARK: The Wilmington.

2 A I don't know the answer to that. I'm not sure if
3 the intent was for it to be closed immediately or if other
4 work had to be done, unlike the Moose River Plains UMP.

5 Q So in the Moose River Plains UMP, when did those
6 trail closures become effective?

7 A Upon adoption of the UMP.

8 Q And is that the practice, the general practice in
9 DEC for other UMPs?

10 A It is the practice when we are not constructing a
11 replacement trail. For example, there are times when we have
12 proposed trails that are supposed to be better in terms of
13 their construction and their location and to replace an
14 existing trail. And when that's the case we don't close the
15 existing trail until the new one is completed. But
16 otherwise, yes, it is our intent for those trails to be
17 closed effective upon the adoption of the UMPs.

18 Q For the Wilmington Trail, looking at Plaintiff's
19 Exhibit 68, I believe it is, are you aware if that was the
20 case in this, for these trails indicated?

21 MR. CAFFRY: Objection. Asked and answered.

22 THE COURT: That is my recollection, Counsel. I
23 will allow it though.

24 You may answer.

(Joshua Clague - Redirect by Ms. Lee-Clark)

1 A It is my understanding that that was the case.

2 Q For Jessup River, and this was the Jessup River
3 UMP, did that have a similar closing mechanism as the Moose
4 River Plains UMP?

5 A That's correct. The Dunning Pond Trail was, I
6 believe it was the intent for it to be closed upon adoption
7 of the UMP.

8 Q Can you also look again at Exhibit 68?

9 A Yes.

10 Q Can you please read the full title of the map?

11 A A Portion of the Wilmington Wild Forest.

12 Q Thank you. And can you please look at Exhibit BW?

13 A Yes.

14 Q Can you please read the full title of that map?

15 A A Portion of the Jessup River Wild Forest.

16 Q So on both of these maps there may be other trails
17 in this UMP that are not included on these maps potentially?

18 A Definitely in the Jessup River Wild Forest. I
19 don't believe there are any other snowmobile trails in
20 Wilmington that aren't depicted on here.

21 MS. LEE-CLARK: That's all I have, your Honor.

22 THE COURT: Mr. Caffry, any recross based on the
23 redirect?

24 MR. CAFFRY: Yes. I would just like a moment to

(Joshua Clague - Redirect by Ms. Lee-Clark)

1 look at the Exhibit F.

2 (Pause.)

3 **REXCROSS EXAMINATION**

4 BY MR. CAFFRY:

5 Q Mr. Clague, would you please look at Exhibit F?
6 Could you look at page 32?

7 A Okay.

8 Q Do you see where it discusses the potential closing
9 of the Piseco to Perkins Trail?

10 A Yes.

11 Q The 7.5 mile section?

12 A Yes.

13 Q Yes or no. This will only be closed, according to
14 the UMP, when the Fish Mountain Trail is built. Do you see
15 that?

16 A I do.

17 Q Has the Fish Mountain Trail been built?

18 A I don't believe so.

19 Q Likewise, regarding the closure of the 3.2 mile
20 section of the Fawn Lake Trail right below there, again,
21 that's subject to construction of the Fish Mountain Trail,
22 isn't it?

23 A Correct.

24 Q So, those, just for instance, those two trail

(Joshua Clague - Recross by Mr. Caffry)

1 segments are not closed because that new trail, Fish Mountain
2 Trail, has not been built, correct?

3 A I can't say whether or not they have been closed.

4 Q Below there do you see a section on trails that are
5 no longer used or receive only minimal public use?

6 MS. LEE-CLARK: Objection.

7 THE COURT: What's the objection?

8 MS. LEE-CLARK: It's outside the scope of redirect.

9 THE COURT: Sustained.

10 MR. CAFFRY: No further questions, your Honor.

11 THE COURT: Anything else, Miss Lee-Clark?

12 MS. LEE-CLARK: No, your Honor.

13 THE COURT: Thank you, sir. You may step down.

14 All set, Miss Lee-Clark?

15 MS. LEE-CLARK: Your Honor, can we have a minute to
16 shuffle ourselves?

17 THE COURT: Yes. You can have five minutes.

18 MS. LEE-CLARK: Thank you.

19 (Whereupon a recess was taken from
20 10:43 a.m. to 10:49 a.m.)

21 THE COURT: All set, Counsel?

22 MS. SIMON: Nearly. One more minute.

23 THE COURT: Okay.

24 MS. SIMON: I'm ready, your Honor.

Protect the Adirondacks! v. NYS DEC & APA

1 THE COURT: All right. Go ahead.

2 MS. SIMON: Your Honor, before calling our expert,
3 Dr. Howard, to the stand, I would like to at this time
4 admit into evidence two certified documents, certified
5 by the United States Department of Agriculture. They
6 are marked for identification as Defendants' Exhibits CU
7 and DD.

8 THE COURT: Mr. Caffry.

9 MS. BRAYMER: Your Honor, I --

10 THE COURT: I'm sorry, Miss Braymer.

11 MS. BRAYMER: That's okay.

12 THE COURT: Go ahead.

13 MS. BRAYMER: I guess my objection is that at this
14 point is that I don't know what the relevancy of these
15 documents is and I would like it to be introduced at an
16 appropriate time during the witness's testimony.

17 THE COURT: Your objection is sustained at this
18 point.

19 Go ahead. Call your next witness.

20 MS. SIMON: Thank you. Dr. Howard, please come to
21 the stand.

22 **THEREUPON,**

23 **TIMOTHY G. HOWARD,**

24 **called as a witness, having been first duly sworn, was examined and**

(Timothy G. Howard - Direct by Ms. Simon)

1 testified as follows:

2 DIRECT EXAMINATION

3 THE COURT: Good morning, Dr. Howard.

4 THE WITNESS: Good morning.

5 THE COURT: I'm Judge Connolly. Were you here in
6 the courtroom earlier when I gave my instructions to Mr.
7 Clague?

8 THE WITNESS: I was.

9 THE COURT: You heard them?

10 THE WITNESS: Yes.

11 THE COURT: You can abide by them?

12 THE WITNESS: Yes.

13 THE COURT: Bring that microphone over in front of
14 you and we will get started.

15 Go ahead, Miss Simon.

16 BY MS. SIMON:

17 Q Good morning, Dr. Howard. Would you please state
18 your full name?

19 A My name is Timothy Gramlich Howard.

20 Q What is your place of employment?

21 A I work for the New York State Natural Heritage
22 Program.

23 Q What is your title?

24 A Director of Science.

(Timothy G. Howard - Direct by Ms. Simon)

1 Q Dr. Howard, do you hold an undergraduate degree?

2 A Yes.

3 Q From what institution?

4 A From Middlebury College in Vermont.

5 Q What was the degree you received?

6 A That was a BA in Biology.

7 Q And do you have any further degrees?

8 A Yes. I have a Master's and a PhD, both from the
9 University of Michigan.

10 Q What was your Master's Degree in?

11 A Biology.

12 Q And your PhD?

13 A Biology.

14 Q And what was your primary focus, area of focus for
15 your PhD?

16 A This was in the field of plant ecology and I
17 studied plant competition.

18 Q What is plant competition?

19 A Specifically, my project focused on the
20 relationship between abundance, like some plants are more
21 common than others, and their competitive abilities. So some
22 species might be more competitive than others, depending on
23 how you measure it. And my question was how was that
24 competitive ability related to abundance in the field.

(Timothy G. Howard - Direct by Ms. Simon)

1 Q Thank you. Are you a member of any professional
2 associations or organizations?

3 A Yes.

4 Q What are they?

5 A The Ecological Society of America and one or two
6 others I can't remember right now.

7 Q Okay. Could you briefly summarize the areas of
8 your expertise?

9 A Areas of my expertise?

10 Q Yes.

11 A So, as I mentioned, my training was in community
12 ecology, plant community ecology. And since then as
13 employment I have branched out into landscape ecology types
14 of questions and modeling and other broad forest ecology type
15 subjects.

16 THE COURT: I didn't hear the end of that. Other
17 broad forest --

18 THE WITNESS: Forest ecology topics.

19 BY MS. SIMON:

20 Q Does your experience include any training or
21 research or education in northern forests?

22 A Yes.

23 Q Have you authored any peer reviewed articles?

24 A I have. Oh, eight to ten.

(Timothy G. Howard - Direct by Ms. Simon)

1 Q And without telling us all of them, what are some
2 of the topics?

3 A They range from plant competition, which was my PhD
4 work, all the way to more recently my most recent one was
5 related to prioritizing the landscapes for the balance
6 conservation priorities, as well as wind energy generation
7 priorities. So that was the most recent paper.

8 Q Have you authored other reports or articles?

9 A Yes, many, many reports in my position with the
10 Heritage Program.

11 Q What were some of those topics as they relate to
12 forests?

13 A Everything from inventories in the northern forest,
14 to assessments, landscape assessments, and on-the-ground
15 assessments of landscapes in New York State.

16 Q Have you held any teaching positions?

17 A Yes. I taught a winter term course at Middlebury
18 College when I was in graduate school. I taught an ecology
19 class at SUNY Stony Brook after finishing grad school.

20 Q Do you have any other teaching positions or have
21 you held any others?

22 A I have done guest lectures in classes and while I
23 was in graduate school I had held teaching assistantship
24 positions that included teaching.

(Timothy G. Howard - Direct by Ms. Simon)

1 Q Dr. Howard, when did you start working with the New
2 York Natural Heritage Program?

3 A In the fall of, I believe it was 2000. So over 15
4 years ago.

5 Q What is the Natural Heritage Program?

6 A The New York Natural Heritage Program is a -- we
7 are part of a nonprofit. We work very, very closely with the
8 Department of Environmental Conservation, but not all of our
9 funding, nor all of our projects are from or with the
10 Department of Environmental Conservation.

11 So we are a group of 29 -- 27 to 30 staff and
12 we have botanists. We have ecologists. We have zoologists
13 and database people. And our mission is to be the science
14 behind conservation in New York State, and so we offer
15 science expertise in a variety of different fields as well.

16 Q What does your work involve there?

17 A Well, I came on as an ecologist, so I did a lot of
18 field ecology work, assessing forests, identifying forests,
19 identifying the types of communities of natural communities
20 in the landscape. And I have since branched out to landscape
21 ecology, mapping. I have done a lot of Geographic
22 Information Systems mapping and I have done a fair amount of
23 those broader scale mapping analysis and assessments.

24 Q Does your work include research?

(Timothy G. Howard - Direct by Ms. Simon)

1 A Yes.

2 Q Field work?

3 A Yes.

4 Q And are you responsible for any specific programs
5 as director of science?

6 A Well, I oversee the -- my direct reports are the
7 head of the ecology program and the head of the zoology
8 program, and the head of the botany program, and I actually
9 oversee a landscape ecologist as well.

10 Q Could you give us an example of research work that
11 you have done with the Natural Heritage Program?

12 A Well, that last publication I mentioned was
13 assessing landscape priorities or balancing landscape
14 priorities. It was actually a return-on-investment
15 assessment of the balance between conservation priorities and
16 wind farms and wind development priorities.

17 I have also done research related to questions
18 about forest health and forest age, and what kinds of things
19 are going on in different places.

20 Q Have you worked on any projects outside of New York
21 State?

22 A Yes. Sometimes we do work outside of the state.
23 Last summer I actually did some work just over the border in
24 New Jersey.

(Timothy G. Howard - Direct by Ms. Simon)

1 Q In terms of field work that you have done, what
2 type of field work have you done for Natural Heritage?

3 A Usually it's botanical field work and ecological
4 field work. And by botanical I mean out looking for rare
5 plants. So we are out looking for plants, what's there,
6 what's our interest. A primary interest in the Heritage
7 Program are the threatened and endangered and rare species of
8 the state. So we spend a lot of time surveying for those
9 rare species.

10 On the ecological side are our primary
11 interest is what are the types of natural communities out
12 there, what types of forests, what types of bogs, what types
13 of ponds, what types of fields, and then what is their
14 condition. And so condition is related to the external
15 stressors upon our natural communities, and the size,
16 condition, and landscape context are the three matches we
17 tend to look at.

18 Q What kind of entities do you do this work for?

19 A We do this work for federal, state, and private
20 organizations. We have some Environmental Protection Agency
21 projects going on right now, EPA projects that are related to
22 studying wetland condition throughout the state.

23 We have some state projects going on that are
24 funded by DEC to look for rare species on state forest lands

(Timothy G. Howard - Direct by Ms. Simon)

1 and as well as the natural communities on the state forest
2 lands.

3 We have some private projects going on right
4 now. Just started up a private project that will be looking
5 at Hempstead Plains grasslands on Long Island. So there is a
6 sample of a variety.

7 Q Thank you. Prior to your employment as director of
8 science with the Natural Heritage Program, did you hold other
9 positions with Natural Heritage?

10 A I think technically my title before this was
11 program scientist and technically my title before that was
12 ecologist. So I came in as an ecologist.

13 Q Prior to working for Natural Heritage, were you
14 employed?

15 A Yes. I was a researcher, a post doc, post doctoral
16 associate at SUNY Stony Brook.

17 Q Does your work experience include the study of
18 forests within the Adirondack Park in New York?

19 A Yes. I have spent much time in the forest.

20 Q In various areas of the forest preserve?

21 A Yeah, and including outside, I mean, including the
22 Catskills and including the Tug Hill, and other forests in
23 the state.

24 Q Does your experience include an understanding of

(Timothy G. Howard - Direct by Ms. Simon)

1 forest canopy and clearcutting?

2 A It does.

3 Q Does your training or experience include an
4 understanding of forest fragmentation?

5 A Yes, it does.

6 Q And does your training or education or experience
7 include an understanding of the ecology and impacts to
8 forests of recreational activities?

9 A Yes. Not in the sense of actual usage, but in the
10 sense of roads and trails and what's created to sustain
11 recreational activities, sure.

12 Q Thank you. Dr. Howard, I have shown you what has
13 been marked as Defendants' Exhibit BX. Do you recognize this
14 document?

15 A I do.

16 Q What is it?

17 A It's my CV, curriculum vitae.

18 Q Did you prepare it?

19 A I did.

20 Q Dr. Howard, is this CV an accurate summary of your
21 education, degrees, professional associations, work
22 experience, and other professional accomplishments?

23 A It is.

24 MS. SIMON: I move to admit Exhibit BX into

(Timothy G. Howard - Direct by Ms. Simon)

1 evidence.

2 MS. BRAYMER: One question, your Honor.

3 VOIR DIRE EXAMINATION

4 BY MS. BRAYMER:

5 Q The not peer reviewed recent reports listed on page
6 2, are those available online?

7 A Some of them are. Many of the Heritage Program
8 reports have rare species information in them and thus they
9 aren't necessarily available and they are for internal use
10 only for whoever we created them for. But some of the
11 reports are available, yes.

12 MS. BRAYMER: No objection.

13 THE COURT: Defendants' Exhibit BX is received into
14 evidence.

15 (Defendants' Exhibit BX received in
16 evidence.)

17 MS. SIMON: Your Honor, I ask the Court to certify
18 Dr. Howard as an expert in ecology, including landscape
19 and forest ecology.

20 THE COURT: Do you want to be heard on that,
21 Miss Braymer?

22 Just, again, the Court will not unilaterally make
23 any certifications on any application, no matter how
24 much the experience, education, qualifications or

(Timothy G. Howard - Direct by Ms. Simon)

1 training comports to that, because the proper method, as
2 I understand it, and as we are certainly going to follow
3 in this trial, is I will rule on any objections made to
4 the basis of the ability of the expert to answer such
5 question.

6 So please go ahead.

7 MS. SIMON: Thank you.

8 BY MS. SIMON:

9 Q Dr. Howard, are you familiar with the Petition
10 slash Complaint in this case?

11 A I am.

12 Q Are you aware that the plaintiff is alleging that
13 certain trails, known as Class II community connector trails,
14 violate the New York State Constitution, Article XIV, Section
15 1, known as the Forever Wild Clause?

16 A Yes.

17 Q Dr. Howard, did there come a time when we met and
18 you were asked to work with the state defendants, DEC and the
19 Adirondack Park Agency, on this case?

20 A Yes, there did.

21 Q Did you agree to work with the defendants?

22 A I did.

23 Q And Dr. Howard, are you being compensated for your
24 work in this case?

(Timothy G. Howard - Direct by Ms. Simon)

1 A Well, technically I'm doing this as part of my
2 position as director of science. So I'm on salary. So, yes,
3 I am being compensated.

4 Q Dr. Howard, have you been to the Class II trail
5 known as the Seventh Lake Mountain Trail located in the Moose
6 River Plains Wild Forest unit?

7 A Yes, I have.

8 Q Have you been to the Class II trail known as the
9 Gilmantown Trail?

10 A Yes, I have.

11 Q When did you visit these trails?

12 A Early --

13 MS. BRAYMER: Objection. Is she asking about more
14 than just Gilmantown?

15 THE COURT: She said Seventh Lake and Gilmantown.

16 MS. SIMON: Correct.

17 THE COURT: So you are objecting to the compound
18 nature of the question or withdrawn?

19 MS. BRAYMER: Withdrawn.

20 THE COURT: You may answer.

21 A Late summer of 2016.

22 BY MS. SIMON:

23 Q Dr. Howard, did there come a time when we discussed
24 the allegations in the Complaint of clearcutting on Class II

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1 trails?

2 A Yes.

3 Q What is clearcutting from an ecological
4 perspective?

5 A So actually, I actually spent some time looking in
6 the ecological literature for a definition of clearcutting,
7 and that's a tough -- that is very tough. It's not really
8 there; however, there are many, many studies on the
9 ecological effects of clearcutting. And there are often
10 things measured that ecologists will do in a clearcut and
11 outside of a clearcut in the forest nearby.

12 So you can look at different metrics and look
13 at the differences between in a clearcut and out of clearcut
14 and, therefore, what makes up a clearcut, but otherwise there
15 is no clear definition of what a clearcut is.

16 Q What are some of those ecological effects?

17 A There are studies that show higher temperatures in
18 the daytime in the middle of a clearcut as opposed to the
19 forest interior next door. And it was often cooled down more
20 rapidly too. So cooler temperatures in the middle of the
21 night in the middle of the clearcut, because of cooling in
22 the sky. And in contrast to the middle of the forest nearby
23 they won't be cooler. They will cool down rapidly.

24 You also have the differences in vegetation.

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1 Obviously there are no trees in the middle of the clearcut.
2 The standard forest practice, that's where the term came
3 from, was to take out all the trees in the clearcut and you
4 end up with up to the line where the trees have taken that
5 line, that edge with the forest is called the forest edge,
6 and then you can march further into the forest and you get
7 toward the forest interior.

8 Q And when you say forest edge, what do you mean?

9 A So forest edge is another term that's often used in
10 the scientific literature, the ecological literature, and
11 it's actually describing that distinct phenomenon where you
12 have all of the trees being removed at one spot and then
13 nothing touched at some boundary where they did not remove
14 the trees, and because of increased light penetration in the
15 clearcut and, therefore, at the edge of the forest, there is
16 a different dynamic going on at that forest edge. And that
17 increased light penetration causes more growth there in the
18 forest floor and causes more increased growth with shrubs at
19 that spot and often branches from the trees might start
20 growing at that lower part as well.

21 So you can get forest edges on sort of any
22 place where you have a wide clearing of trees and then the
23 forest remains relatively intact at that edge. There are
24 effects of forest edges on the natural communities that occur

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1 at that spot.

2 Q Thank you. Is there any relationship between
3 clearcut and forest canopy?

4 A Yes. In a clearcut there is no forest canopy,
5 whereas in the adjacent forest, there tends to be very high
6 forest canopy cover.

7 Q And how does the clearcut in the forest affect the
8 canopy?

9 A It removes it.

10 Q Could you explain what a forest canopy is in
11 ecological terms?

12 A Sure. In a forest you have actually different
13 layers, they call them strata, of vegetation. And the
14 driving force is sunlight, is light, and trees are growing
15 towards that light, and so the upper portion of the trees,
16 the trees that are at the highest or usually the highest
17 level, have their full -- are fully -- have their leaves
18 oriented to capture as much sunlight as possible, and those
19 leaves tend to occur at the top parts of the trees. So you
20 have -- so if you are standing in a forest, it may be
21 relatively open underneath, but you look up and you see most
22 of the sun is blocked by leaves. That's typically called the
23 forest canopy.

24 Now, there are cases where trees might, some

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1 trees, and here in the northeast, in the Adirondacks, white
2 pine is a good example that can continue to grow higher than
3 all the adjacent trees, and those are the trees that emerge,
4 they are emergent trees, they emerge from the forest canopy.
5 But the vast majority of trees are at this one sort of
6 highest level.

7 And then below that you can have what they
8 call sub-canopy layers where you might have trees that
9 haven't made it to the full sunlight yet, but could be
10 quantified or measured at those lower levels.

11 And then below that you might have another
12 layer, the shrub layer, different kinds of shrubs.

13 And then below that you might have non-woody
14 plants, such as herbs and flower. You might know them as
15 wildflowers that grow on the lowest layer.

16 Q Other than a clearcut, are there other factors that
17 affect the forest canopy?

18 A Yes. So, as I said, a clearcut removes all the
19 trees from the canopy, cuts all the trees down, obviously,
20 because that is harvesting. But you can have other forest
21 gaps they would call that. And so that might be a natural
22 occurrence where a single tree may fall down and create a
23 sunlight gap, and that's called a tree fall gap.

24 You may have multiple trees blowing down as

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1 well, from a small cluster, or one tree falling knocks a few
2 other trees down.

3 You can have hurricanes that can knock down
4 hundreds of thousands of acres at the same time.

5 You can have other natural gaps occurring at
6 river shores or stream edges.

7 You can have other natural gaps occurring at
8 cliffs, at outcrops where trees can't necessarily grow.
9 Sometimes rocky summits or rocky ridges where the trees have
10 not grown in a closed canopy.

11 So you might have canopy openings in a variety
12 of things.

13 Q Thank you. Did you observe the canopy on any of
14 the Class II trails you visited?

15 A Yes.

16 Q What did you observe with regard to the canopy on
17 the Seventh Lake Mountain Trail?

18 A Yes. So that was -- so I walked all of the
19 northern section of that trail and there were parts where the
20 canopy was closed, where the canopy -- the trees from either
21 side of the trail went over your head and, therefore, had
22 closed canopy. And there were certainly other parts where
23 there were openings in the trail where we had open gaps,
24 canopy gaps.

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1 Q Did you observe any areas in that segment three of
2 the Seventh Lake Mountain Trail where there were natural
3 openings?

4 A Yeah. This is actually interesting and in
5 Signell's maps of the natural communities on the trail, I
6 think he called them maple hilltops. And these were -- you
7 start from about Eighth Mountain Lake, at the Eighth Lake
8 Campground, you know, spot, and you go north and you get to
9 these hilltops. They are actually quite different than most
10 of the forest there, these little ridge hilltops. And I
11 think even in one of the affidavits it was termed sort of a
12 Savannah type environment.

13 And you are standing there -- I'm standing on
14 there, on the trail, and I'm looking off trail, pretty far
15 off trail, and the canopy is more open there. It's very
16 interesting. And there is actually quite a bit of red, a red
17 raspberry there in the understory, which is a highlight
18 requiring plants.

19 So it's kind of neat that you have this sort
20 of more open canopy, not the necessarily -- not your typical
21 closed canopy forest. And those are pulled out in the map
22 that Mr. Signell created.

23 Q Thank you. Dr. Howard, as part of your
24 professional work, do you have access to aerial images?

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1 A I do.

2 Q Do you observe or analyze aerial photography as
3 part of your work?

4 A I do.

5 Q Dr. Howard, did there come a time when I asked you
6 to write affidavits in this case?

7 A Yes, you did. Yes, there was.

8 Q Did I also ask you to respond in an affidavit to
9 allegations of clearcutting on Class II trails?

10 A Yes.

11 Q Dr. Howard, I have shown you what has been marked
12 as Defendants' Exhibit CC for identification. Can you
13 identify this document?

14 A Yes. This is a copy of a map that I produced on
15 page 3 of the exhibit.

16 Q Is this an aerial image?

17 A Yes. Included in the map is an aerial image.

18 Q And what is the date of the aerial image?

19 A It's 2013.

20 Q What month?

21 A May of 2013.

22 Q Dr. Howard, when you made this map and image, what
23 source did you use?

24 A So, the aerial image is from the New York State

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1 Digital Orthoimagery Program. And they run flights statewide
2 over a series. They don't do the entire state in one year,
3 but over a series of years they will cover the entire state.
4 And so we have access to this imagery and that's something
5 that we can show on our Geographic Information Systems.

6 Q Thank you. And could you tell me the location of
7 this image?

8 A Yes. This is a section of the Seventh Lake
9 Mountain Trail.

10 Q What section and segment?

11 A It's a portion of segment three of the northern
12 segment.

13 Q The most northern portion?

14 A The most northern, yes.

15 Q Where is it -- what portion of segment three is
16 depicted on this image?

17 A So this image you can see a small portion Eighth
18 Lake in the image. You can see a portion of Route 28 in the
19 image. And you can also see a portion of where the trail is
20 as well. There is an inset map on the map I created that
21 gives you a broader perspective of sort of where that is.
22 And on the inset map, which actually uses a base, USGS topo
23 map base, that inset map shows the trail and the Route 28,
24 and Eighth Lake.

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1 Q Dr. Howard, is this a fair and accurate copy of the
2 document you prepared?

3 A Yes, it is.

4 Q Dr. Howard, the first two pages of this Exhibit CC,
5 could you tell us what that is or just tell us the date of
6 it?

7 A Yes. This is certification of the imagery and the
8 date on it. I mean, it's --

9 Q Just the signature page with the certification.

10 A February of 2017.

11 MS. SIMON: I move to admit Exhibit CC into
12 evidence.

13 THE COURT: Miss Braymer?

14 VOIR DIRE EXAMINATION

15 BY MS. BRAYMER:

16 Q How exactly did you produce this map?

17 A Well, the way GIS systems work is that we have
18 access in our office to different, they call them map layers.
19 And with those map layers I could turn on or turn off. I
20 could load and then turn on or turn off different layers I
21 was interested in using.

22 So I first went to the location I was
23 interested in mapping. And then I said, okay, what aerial
24 imagery is available to me for this location. And the most

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1 recent imagery available was a 2013 image, so I turned that
2 on.

3 And then the great thing about this mapping
4 system is that I can do the inset map also, and it's
5 automatically with a red rectangle telling us where we are
6 with that inset map. And so that's -- I have no control over
7 where that red rectangle is. So it gives us a good idea of
8 where we are on the image.

9 Q Are you the one that put these little ridge --

10 A I also annotated it, because I wanted to be able to
11 project what I could see with my imagery interpretation
12 skills, to others, what we were seeing. So I annotated this
13 image with the three bridges that are clearly visible in the
14 image. And those are snowmobile trail bridges.

15 Q In this photograph, do the deciduous trees have
16 their leaves on in this time frame, May of 2013?

17 A This is leaf-off condition.

18 Q Did you speak with Mr. Tim Roran (phonetic)?

19 A I did not, no.

20 MS. BRAYMER: Your Honor, I do not object to the
21 map itself. I do object to the affidavit that was
22 attached to that map.

23 THE COURT: Okay. I haven't seen it yet, so I
24 don't think Miss Simon elicited much evidence on it. So

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1 I'm in the dark as to what we are talking about.

2 So go ahead.

3 MS. BRAYMER: Pages 1, 2, and 4 of the exhibit
4 appear to have no foundation and would be extraneous to
5 the map he's saying he created.

6 THE COURT: Tell me about what they are briefly.

7 MS. BRAYMER: It's an affidavit from some person in
8 the state, a technology person, saying they compared the
9 digital image with files at the Office of Information
10 Technology Services.

11 THE COURT: Well, Miss Simon, if she's got no
12 objection to the substantive portion of Exhibit CC, is
13 that an issue or?

14 MS. SIMON: If the exhibit is going to be moved
15 into evidence, I guess I would point out that I got the
16 document certified, the aerial image, and the testimony
17 of the person that made it.

18 So if it's going in, what I want is the actual
19 image. I don't know if that answers your question.

20 THE COURT: I think it did, but I hate to assume.
21 I think you were saying -- I'm going to take that as you
22 saying you have no objection to withdrawing pages 1, 2,
23 and 4, upon the condition that the Court accept
24 Defendants' CC substantively. Not upon that condition.

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1 I should say upon the condition that Miss Braymer is not
2 opposing CC, page 3.

3 MS. SIMON: Can I reserve my right to readmit it if
4 there is a later application?

5 THE COURT: You can always reserve your right to
6 make a new application.

7 MS. SIMON: Then Exhibit CC can be just the image.

8 THE COURT: All right. So why don't we give that
9 back to Miss Simon for a moment so she can take off the
10 extraneous pages. We will have just the image remarked
11 as CC to the extent it wasn't. And on those, after that
12 is done, CC is received into evidence without objection.

13 (Defendants' Exhibit CC received in
14 evidence.)

15 BY MS. SIMON:

16 Q Dr. Howard, could you tell us what this photo
17 depicts, this image?

18 A Okay. So, starting over with my full map, this is
19 a map that contains two sort of sub-maps. The inset map is
20 your locational map that has the USGS topo map as a base and
21 it shows us that we have Eighth Lake and we have a black
22 line, which is Route 28, traveling on the east side of Eighth
23 Lake. And then there is a blue line just to the east of
24 Route 28 and that's the Seventh Lake Mountain Trail, GIS

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1 representation of the Seventh Lake Mountain Trail.

2 The red square in that inset map is the exact
3 location of the larger image, which is our orthoimagery.

4 So looking at that larger image you can see a
5 piece of Eighth Lake on the northeast side of that image.
6 You see the lake there. And then you see --

7 Q Hold on. Northeast?

8 A I'm sorry. Northwest. Thank you.

9 Q Thanks.

10 A And then just east of that you have paved road,
11 which is visible, and that's Route 28. And you can even see
12 the white lines, and maybe in some of the shadows, the yellow
13 and white lines of that two-lane paved road.

14 The dark splotches on the paved road are
15 shadows of the trees adjacent the road casting their shadows
16 on the highway.

17 Q You testified that this is leaf off. Could you say
18 briefly what that is?

19 A So leaf off is because our forest has seasonality
20 up here. We have some trees, the conifers, the needle leaf
21 trees usually keep their needles on year round, but all the
22 deciduous trees drop their leaves in the winter. And so in
23 this image it's actually really pretty striking. This is
24 called a true color image and all of the green are the

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1 coniferous trees that have their leaves on. And then all the
2 brownish area is actually full forest, but it's just you are
3 seeing bare stems and trunks of the trees, because their
4 leaves are not on the trees.

5 And so the neat thing about that is you can
6 see through those trees to the ground. And in this case,
7 very strikingly, you can see three of the bridges on the
8 Seventh Lake Mountain Trail. And those, I pointed out, are
9 annotated just so we can see them. And they look like little
10 rectangular objects on the ground of the image.

11 Now, the other neat thing about this image is
12 you can see some dark lines traveling, perhaps to the bridge
13 and across the bridge, and those are streams. So you can --
14 especially the southernmost bridge there is a clear, dark
15 line traveling from southwest towards northeast, and that's
16 the stream the bridge is going over. And you can -- it's
17 harder to see the streams and the other bridges, but they are
18 there as well.

19 Q Based on your experience interpreting aerial
20 imagery of this sort, can you see the Seventh Lake Mountain
21 Trail?

22 A No. It's very difficult to see. I think I catch a
23 glimpse of it in the northern, near the northern bridge, a
24 little bit south of the northern bridge, but it's very

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1 difficult to see here.

2 Q Can you draw any conclusions from the fact that you
3 can't see the trail?

4 A From this top down view, this aerial imagery view,
5 the trail is very difficult to see and it doesn't necessarily
6 seem to be creating any kind of barrier, especially in
7 relation to Route 28, which is a clear -- it's obviously
8 cleared the woods of the forest at Route 28 and that's
9 creating a much larger barrier.

10 Q Dr. Howard, what does this photo indicate to you
11 with regard to the canopy in the Seventh Lake Mountain Trail?

12 A Yeah. The canopy looks relatively contiguous,
13 therefore, thus unbroken over the trail.

14 Q Thank you. Dr. Howard, I'm showing you what is
15 marked as Defendants' Exhibit CU for identification. Can you
16 identify this document?

17 A Yes. It's another aerial image.

18 Q What is it an aerial image of?

19 A It's exactly the same location as the one we were
20 just discussing. Thus, it's a portion of the Seventh Lake
21 Mountain Trail and it was acquired -- the time the photo was
22 taken it was July of 2013.

23 Q Do you know -- it's the same location as what you
24 testified to as Exhibit CC?

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1 A That is correct.

2 THE COURT: What was the date on that one again?

3 THE WITNESS: July of 2013.

4 THE COURT: Thank you.

5 BY MS. SIMON:

6 Q Dr. Howard, is there an attachment to this photo?

7 A Yes. It's a certification from the USDA Forest
8 Service that it's an official photo of theirs.

9 Q Could you read the title of the paper that is
10 attached to it? The letterhead. Sorry.

11 A USDA. It is their logo. And then it says United
12 States Department of Agriculture.

13 Q What does it say at the bottom under the word
14 certification?

15 A This is to certify that the attached print was made
16 from the aerial record, which was secured while photographing
17 Hamilton County, New York, and is on file as the official
18 government record.

19 Q What's the date of the certification at the top?

20 A Date of certification is March 16, 2017.

21 MS. SIMON: I move to admit Exhibit CU into
22 evidence.

23 THE COURT: Miss Braymer?

24 VOIR DIRE EXAMINATION:

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1 BY MS. BRAYMER:

2 Q Did you obtain this document and the letter from
3 the USDA?

4 A I did not obtain the letter. I obtained this
5 imagery and viewed it in my GIS as well, in a very similar
6 manner that I was viewing the others, and then -- and that's
7 it.

8 MS. BRAYMER: Your Honor, I object basically on the
9 same reasons as I did with the last photograph. It
10 appears they have another photograph that maybe would be
11 more appropriate into evidence than this document, CU,
12 because there is no foundation for him having obtained
13 this particular piece of paper.

14 THE COURT: All right. But they are proffering it,
15 presumably, as a self-authenticating government record.

16 MS. SIMON: Yes.

17 THE COURT: What's your response to that?

18 MS. BRAYMER: That he did not rely on this
19 particular government document to make any other
20 documents that he did create. He did not rely on this
21 document.

22 THE COURT: Your objection is overruled. The
23 Defendants' CU is received into evidence.

24 (Defendants' Exhibit CU received in

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1 evidence.)

2 BY MS. SIMON:

3 Q Dr. Howard, looking at Defendants' Exhibit CU, what
4 can you tell me about this?

5 A Well, once again, you can see Eighth Lake and the
6 northwest quadrant. And below that you can see the paved
7 road, County Route 28. And, again, yeah, even in the shadows
8 down in the southern part of the road I can see the yellow
9 line in the middle and the white lines. So it's a pretty
10 good resolution image.

11 And the neat thing is you can see the tree
12 canopy and you can see the tops of individual trees. There
13 is color variation among them. And there are shadows in
14 places, a patchwork of shadows of often the tops of trees,
15 you know, casting their shadow, especially lower parts of the
16 canopy.

17 But there is clearly, and we know from the
18 other image, and from my GIS, I know the trail passes through
19 here, the exact same spot, but there is clearly no linear
20 opening, no linear feature visible in this imagery set.

21 Q So, can you see the Seventh Lake Mountain Trail?

22 A No. I can't see the bridges either.

23 Q How is this photo different from the leaf-off
24 photo?

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1 A This is leaf-on condition, so we can't see the
2 ground.

3 Q What, if anything, does this photo indicate with
4 regard to the forest canopy on the Seventh Lake Mountain
5 Trail?

6 A So, from this view the canopy looks contiguous.
7 It's full closed canopy all the way up to Route 28.

8 Q Thank you. Dr. Howard, do you have an opinion
9 within a reasonable degree of certainty as to whether the
10 Seventh Lake Mountain Class II trail constitutes a clearcut?

11 A I do.

12 MS. BRAYMER: Objection.

13 THE COURT: What's the objection?

14 MS. BRAYMER: The plaintiff's position is not that
15 this is some sort of forestry clearcut under timber
16 management standards.

17 She elicited testimony from him earlier about this
18 being a forestry practice. He also said there was no
19 specific definition of a clearcut.

20 THE COURT: I do remember that.

21 Miss Simon?

22 MS. SIMON: The Complaint has numerous allegations
23 regarding clearcutting on Class II trails. I elicited
24 in his early professional experience if he understood

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1 what clearcutting was and definitions of clearcutting a
2 canopy. And I think it's relevant. It's in the
3 Complaint.

4 THE COURT: Why don't you elicit a little bit more
5 from him with regard to his definition of a clearcut and
6 I will take it from there.

7 MS. SIMON: Okay.

8 THE COURT: The rest of the objection is overruled.

9 BY MS. SIMON:

10 Q Dr. Howard, let's go back to your understanding of
11 what a clearcut is and the basis for that. Could you tell
12 us?

13 A Can I use the trail as an example as I describe?

14 Q Sure.

15 A So, let's talk about forest edge. A clearcut has a
16 clear open spot and a clear forest edge and then a clear
17 closed canopy adjacent to that.

18 As I was on the Seventh Lake Mountain Trail,
19 you are standing on a trail, and adjacent to you is where you
20 would expect to have that forest edge. And there is -- it's
21 not there as defined by clearcut. So there is not additional
22 growth at that forest edge. There is not an increased
23 density of shrubbery at that forest edge. There is not an
24 increase in lower canopy or lower branch growth at that

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1 forest edge of the trail. There is basically -- there is not
2 the strong forest edge that you can measure and quantify in
3 clearcuts as opposed to your trail.

4 Same thing with the far interior center of the
5 clearcut, as I mentioned, has higher temperatures during the
6 day and lower temperatures potentially at night. The same
7 thing. Because it's a patchwork, because if you are walking
8 along the trail, you will find open areas and you will find
9 closed canopy areas and open areas and closed canopy areas.
10 The linear disturbance is not large enough to create the
11 ecological effects of a clearcut.

12 So those are my reasons why it's clear to me
13 that this trail doesn't constitute a clearcut per ecological
14 definitions.

15 Q Thank you. Dr. Howard, do you have an opinion
16 within a reasonable degree of certainty as to the canopy on
17 the Seventh Lake Mountain Trail?

18 A Yeah. If you balance from my on-the-ground visit
19 where I had scattered sections of closed canopy and scattered
20 sections of open canopy, standing on the trail you look up,
21 you might see leaves. If you are standing on the trail in
22 another place you look up, you might not see leaves.

23 THE COURT: Slow down a little bit. Go ahead.

24 Keep going.

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1 A And then compare that to the aerial imagery, the
2 photos that I can view in my Geographic Information Systems,
3 that patchwork does not create a linear disturbance. It
4 doesn't create a linear fragment, an opening, an opening
5 that's clearly aligned throughout the landscape.

6 So, coming back to your question, you know, in
7 my professional opinion, this is not a clearcut.

8 Q And the second question after clearcut was, as to
9 within a reasonable degree of certainty as to whether you
10 have an opinion as to the canopy.

11 A Yeah. The canopy overall is closed. It's a closed
12 canopy throughout.

13 Q Thank you. Dr. Howard, I have shown you what has
14 been marked as Defendants' Exhibit CB for identification.
15 Can you identify this document?

16 A Yes. I created the map on page 3.

17 Q How did you create it?

18 A The same way as with the Seventh Lake Mountain
19 Trail. This is a two-parted map with an inset map that shows
20 the general location of the larger map, which is aerial
21 imagery for a portion of the Wilmington Trail.

22 Q When you refer to the same as the Seventh Lake, you
23 were referring to Defendants' Exhibit CC? Could you check?
24 Is that the other one?

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1 A Yes, that's correct.

2 Q Thank you. And you said this is an image of a
3 portion of the Wilmington Trail?

4 A The northern end of the Wilmington Trail.

5 Q Is there a date that goes with the image?

6 A Yes, April 2014. So this is leaf-off condition.

7 Q Is there anything on this document other than the
8 aerial image?

9 A Well, again, I have annotated it with three of
10 those call outs. One of them being a bridge we can see
11 again. Another being a stream. And another being the point
12 where the snowmobile trail ends at Forestdale Road, which is
13 a small paved road.

14 Q Is this a fair and accurate copy of the document
15 you prepared?

16 A Yes, it is.

17 Q Does it contain two pages before the image and one
18 after?

19 A Yes. Once again, these are certifications of the
20 aerial imagery.

21 MS. SIMON: I move to admit document CB into
22 evidence. And if opposing counsel wants to modify it,
23 as we did the other one, I am agreeable to that.

24 THE COURT: Miss Braymer?

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1 MS. BRAYMER: I would like to remove pages 1, 2 and
2 4.

3 THE COURT: All right. Defendants' CB, that is
4 solely page 3, which we will remark, is received into
5 evidence. That's in our exhibit list as the Gilmantown
6 Trail Map, is that correct, or is that a mistake on the
7 exhibit list with the Court? What is this?

8 MS. SIMON: CB as in boy.

9 THE COURT: Boy. Nevermind.

10 (Defendants' Exhibit CB received in
11 evidence.)

12 BY MS. SIMON:

13 Q Dr. Howard, what does this image depict?

14 A So, once again, it's a map containing two maps.
15 The inset map shows us the general area at which the larger
16 map is placed and that inset map has a USGS topo map as a
17 base, thus giving you the sort of general area. It has, you
18 can see a black line running across it. That is Forestdale
19 Road. You can see a red line running from the south up to
20 Forestdale Road and that is the northern end of the
21 Wilmington Trail.

22 The red square on that inset map or rectangle
23 is the exact location of the larger view, the larger map.
24 And the base that I used for that larger map was the state

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1 aerial imagery layer from 2014.

2 Q Is this a photo leaf on or leaf off?

3 A This is leaf-off condition from April of 2014.

4 Q Can you see the Wilmington Trail based on your
5 experience?

6 A Once again, you can clearly see a bridge, which is
7 cool, and you can see the stream that the bridge crosses
8 over, which is also annotated in that image. And I think
9 maybe for a short section, south of the northern terminus, I
10 can see where the trail is, but most of it I can't see the
11 trail.

12 Q What does this photo indicate to you with regard to
13 the forest canopy on the Wilmington Trail?

14 A Right. So once again, this is leaf off. So all
15 that brownish area where there aren't coniferous trees, it's
16 deciduous forest, and it looks like contiguous forest to me.

17 Q Thank you. Dr. Howard, I'm showing you what has
18 been marked as Defendants' Exhibit DD for identification.
19 Can you identify this document?

20 A This is a USDA Forest Service aerial image and the
21 date of the image acquisition when they took the picture was
22 June of 2015.

23 Q Do you know the location of this image?

24 A Yes, this is the same spot. You can see Forestdale

(Timothy G. Howard - Direct by Ms. Simon)

1 Road in the northwest quadrant and the trail travels from
2 that, this portion of Forestdale Road south.

3 Q When you say this is the same, are you referring --
4 is it the same as is Defendants' Exhibit CB leaf off
5 location?

6 A That is correct.

7 Q Thanks. And could you tell us what's attached to
8 that document?

9 A It's a certification from the US Department of
10 Agriculture that this really is their image.

11 Q What is the date of the certification?

12 A Certification was March 16, 2017.

13 Q Under the word certification, could you read -- I'm
14 sorry. I will read from it.

15 What is the date of the image, if you didn't
16 already say? I'm sorry.

17 A June 4th, 2015.

18 Q Thank you.

19 MS. SIMON: I move to admit Defendants' Exhibit DD
20 into evidence.

21 THE COURT: Miss Braymer?

22 VOIR DIRE EXAMINATION

23 BY MS. BRAYMER:

24 Q Mr. Howard, did you obtain this document from the

(Timothy G. Howard - Direct by Ms. Simon)

1 USDA?

2 A I personally did not.

3 Q Did you rely on this particular document, the first
4 page of Exhibit DD?

5 A The first page being the typewritten page or the
6 first page being the image?

7 Q I'm sorry. My first page is the actual image. So
8 I'm talking about the piece of paper image. That would be
9 your second page.

10 A Recognize that this is digital imagery and thus I
11 used this exact image in its digital form when I was viewing
12 in the GIS. This is a photo print, a photographic print of
13 that exact image.

14 Q Did you create any maps using that digital
15 information?

16 A I believe so, yes. I can't remember. I viewed it
17 for sure.

18 Q Do you have that digital map with you today? I'm
19 sorry, print of digital map?

20 MS. SIMON: Objection. It's not relevant to
21 whether this can be admitted into evidence.

22 THE COURT: The objection is sustained.

23 MS. BRAYMER: I have the same objection as before,
24 that he did not rely on this piece of paper. And also I

(Timothy G. Howard - Direct by Ms. Simon)

1 would like to note for the record that this was provided
2 to us today. It was dated March 16th and we did not
3 have an opportunity to observe this document before
4 today.

5 THE COURT: Do you want some more time now?

6 MS. BRAYMER: No.

7 THE COURT: I understand you are all -- I want to
8 be clear. This has happened from both sides. And I
9 understand you have all worked hard on the case for
10 years. And I also understand that even when you have
11 worked hard on a case for years, sometimes things don't
12 get passed back and forth due to the exigencies of trial
13 and thinking of things as they come up until they
14 happen. But I don't want anybody to be prejudiced in
15 any way. If any of you need more time when something
16 like that happens, I want to be clear it's a non-jury
17 trial. I don't have a jury waiting. I will give you
18 the time that you need.

19 MS. BRAYMER: I do not need any time at this
20 moment, your Honor, but I would like an opportunity to
21 confer with our expert about this image that has been
22 provided today. So I'm happy to carry on.

23 THE COURT: Good enough.

24 MS. BRAYMER: I think we can do it at a break.

(Timothy G. Howard - Direct by Ms. Simon)

1 THE COURT: Thank you. DD is received into
2 evidence over your objection.

3 (Defendants' Exhibit DD received in
4 evidence.)

5 BY MS. SIMON:

6 Q Dr. Howard, what could you tell me about this
7 image?

8 A It's leaf-on condition for that northern portion of
9 the Wilmington Trail and I can't see through to the ground.
10 It's, again, an excellent texture. You can see the tree
11 canopy. You can see the individual trees and their leaf
12 crowns. But, again, it's contiguous forest. There is no
13 clear linear feature of the trail. You can't see the trail.

14 Q You can't. And what, if anything, does this photo
15 indicate with regard to the forest canopy of the Wilmington
16 Trail?

17 A The forest canopy is on the whole when you are
18 viewing from above. It looks like a closed forest canopy.

19 Q Thank you. Dr. Howard, do you have an opinion
20 within a reasonable degree of certainty as to whether the
21 Wilmington Class II trail constitutes a clearcut?

22 MS. BRAYMER: Objection.

23 THE COURT: Overruled.

24 A I do have an opinion, yes.

(Timothy G. Howard - Direct by Ms. Simon)

1 Q What is that opinion?

2 A It's not a clearcut.

3 Q Dr. Howard, do you have an opinion within a
4 reasonable degree of certainty as to the canopy on the
5 Wilmington Trail?

6 A From this perspective, looking at the high
7 resolution imagery, the canopy, it's a closed canopy
8 throughout the trail for this section of the trail.

9 Q Thank you. Dr. Howard, moving on. What is forest
10 fragmentation?

11 A Forest fragmentation is the phenomenon of breaking
12 a large forest up into smaller pieces and there are many
13 different kinds of fragmenting features, including roads and
14 including rivers and streams, and that's often used as a
15 metric of forest condition and it's something that
16 ecologically you are very interested in how fragmentation,
17 how much a forest is fragmented.

18 Q What impact, if any, does fragmentation have on a
19 forest?

20 A Overall fragmentation actually has significant
21 effects on the plants and the animals that live in the
22 forest. And it's important conservation strategy to think
23 about larger forest blocks and I will generally call them
24 forest blocks, and that's the connected area of forest that

(Timothy G. Howard - Direct by Ms. Simon)

1 is surrounded by the fragmenting features like roads.

2 Q Is there an ecological benefit to defragmenting the
3 forest?

4 A Yes. And I think we need to recognize that forests
5 work on a much longer time scale than we humans do. We have
6 been talking, you know, forests, trees can live to 200, 300
7 years, and forests can mature over a very, very long time.
8 And so if you strive to reduce fragmentation in a forest
9 block, then the forest can slowly recover and you end up with
10 ecological systems and natural communities responding slowly
11 over time to improve the health of that forest.

12 Q Dr. Howard, did there come a time when I asked you
13 to analyze trail closures and their impacts on forest
14 fragmentation in certain parts of the forest preserve units?

15 A There did.

16 Q Did you undertake an analysis of fragmentation?

17 A I did.

18 Q Where? What areas?

19 A I looked at Gilmantown, the Seventh Lake Mountain
20 Trail, and Wilmington Wild Forest, Wilmington Trail.

21 Q What information did you use to evaluate
22 fragmentation in these areas?

23 A So I used -- I used the trail information as
24 provided to me by Mr. Clague, who testified this morning, and

(Timothy G. Howard - Direct by Ms. Simon)

1 as well as other trail information from road networks,
2 generally available roads for New York State, and I think
3 that is probably it.

4 Q Dr. Howard, is there a generally accepted protocol
5 in your field for evaluating forest fragmentation?

6 A No, there is no one generally accepted protocol.
7 There are many different ways you can evaluate forest
8 fragmentation. I chose a few measures or metrics of
9 fragmentation with which to do my assessment. And these
10 metrics are available in the literature and have been used in
11 the past to look at forest fragmentation.

12 Q What were these metrics?

13 A So, one is simply what is the largest forest block
14 size of the remaining forest block. So if you have a large
15 area, 10,000 acre forest block, and you put a road right
16 through the middle of it, you end up with two forest blocks,
17 say one is 6,000 acres and one is 4,000 acres. The largest
18 remaining forest block size is that 6,000 acre block. So
19 that's one measure. What's the biggest forest chunk we have
20 left.

21 Another measure is I used something that's
22 called the shape index and that's generally simply a
23 relationship between the length of the perimeter of roads or
24 whatever the fragmenting feature is around the forest block

(Timothy G. Howard - Direct by Ms. Simon)

1 and it's ratio to the size of the forest.

2 So the smallest you can get, a perfectly round
3 forest, would have a shape index of one, because it's the
4 shortest road you can get into circling that forest block.

5 So a circle would have a shape index of one. And as soon as
6 that forest block gets elongated or has roads going into it
7 or has other ways to make it less round, your shape index
8 increases and increases.

9 So a larger shape index is a measure of higher
10 fragmentation, more fragmentation.

11 One more thing. And then the third measure I
12 used was the average shape index for all the different
13 remaining chunks of forest. So we divide that 10,000 acre
14 forest into two pieces. I can measure the shape index of
15 those two pieces and average them. And I think I did an area
16 weighted average. So the larger one got a higher rate than
17 the smaller one.

18 So those are my three measures that I used to
19 evaluate fragmentation. One was the largest forest block
20 size remaining, or largest forest block.

21 The second one was shape index of that largest
22 forest block.

23 And the third was the average shape index for
24 all of those pieces.

(Timothy G. Howard - Direct by Ms. Simon)

1 Q Is it generally accepted to use metrics for forest
2 fragmentation evaluation?

3 THE COURT: For what? I'm sorry.

4 MS. SIMON: Forest fragmentation analysis or
5 evaluation.

6 A Yes. You have to -- yes. In the literature that I
7 have read, the way to evaluate the level of fragmentation is
8 to use -- you have to have a way to measure it. And so using
9 metrics of some sort are the ways to make that comparison
10 between one situation and another situation, one block and
11 another block.

12 In this case it will be the before we put the
13 trail in version of fragmentation versus the after scenario.

14 Q When you measured the block, in other words, you
15 are saying the largest size remaining, what measurement did
16 you use, acres, miles? What measurement?

17 A Acres.

18 Q Okay. And in shape metrics, is the smaller
19 number -- does the smaller number mean it's better for the
20 forest?

21 A The smaller number means less fragmenting features,
22 less fragmentation.

23 Q Thank you. Dr. Howard, I've shown you what has
24 been marked as Defendants' Exhibit CV for identification.

(Timothy G. Howard - Direct by Ms. Simon)

1 Can you identify this document?

2 A This is a pair, one image, one figure, but it's a
3 pair of maps that I made.

4 Q And when did you make it?

5 A This fall, fall of 2016.

6 Q What systems did you use to make it?

7 A I used a Geographic Information System.

8 Q Is there a base map to this?

9 A Right. So each image has a base map, which is
10 something that I didn't modify, and that's the USGS
11 topographic map series, just to give us an area of where we
12 are on the landscape. And then on top of that, each of these
13 images I have calculated and marked the perimeter, the forest
14 block with which my analysis is concerned, as well as trails
15 marked. And I noted that I made two maps. One map, the
16 left-hand scenario, is the before scenario that actually has
17 in this case, since this is the Gilmantown section, it has
18 the Dunning Pond Trail on it. So that's the trail, the
19 before scenario. And on the right-hand map I have the after
20 scenario where we have the Gilmantown Trail installed and the
21 Dunning Pond Trail removed because that trail was closed.

22 Q Is this an accurate copy of the document you
23 prepared?

24 A It is.

(Timothy G. Howard - Direct by Ms. Simon)

1 MS. SIMON: I move to admit Exhibit CV into
2 evidence.

3 THE COURT: V like Victor?

4 THE WITNESS: Yes.

5 MS. SIMON: V as in victory.

6 THE COURT: Miss Braymer?

7 VOIR DIRE EXAMINATION

8 BY MS. BRAYMER:

9 Q I have a question about the right map --

10 A Yup.

11 Q -- where you are no longer showing the Dunning Pond
12 Trail because it was removed. Is it that it was removed from
13 your map or is it removed from DEC usage?

14 A Well, it was removed from my map. And the point of
15 removing it was because it was closed for snowmobile travel.

16 MS. BRAYMER: No objection.

17 THE COURT: Defendants' CV is received into
18 evidence.

19 (Defendants' Exhibit CV received in
20 evidence.)

21 BY MS. SIMON:

22 Q Dr. Howard, what does the black line represent in
23 this map, in these pair of maps?

24 A So what I did was I created a focus area. So

(Timothy G. Howard - Direct by Ms. Simon)

1 what's the area of interest for my analysis. And that is
2 where the Gilmantown Trail is going to pass through. So I
3 needed to have an estimate of my forest block size, what's my
4 largest forest block.

5 So, within this area the black line shows the
6 roads or other fragmenting features around that entire forest
7 block. And so on the left panel you will see the black line
8 going basically following the road, but I think in the
9 northeast side, I think that's actually a power line cut.
10 And then we also have in the southwest there is a snowmobile
11 trail there that I'm considering the external part of the
12 forest block.

13 Q And within that black area --

14 A Yup.

15 Q -- do you recall how many acres you studied?

16 A No. I would have to look in my notes to get the
17 exact data.

18 Q Do you have something you can look at to refresh
19 your recollection?

20 A Yes.

21 Q Let us know what it is you are looking at.

22 A So I have my affidavit that I created in the fall
23 of 2016 and I assessed in acres the, you know, I created a
24 table that has acres and the metrics that I used for each of

(Timothy G. Howard - Direct by Ms. Simon)

1 these. And the largest in the left-hand side, it's about
2 7.9000 acres the largest block.

3 MS. BRAYMER: Your Honor, could I just know what
4 he's looking at?

5 THE COURT: Yes.

6 Could you tell us what you are -- don't read from
7 it. You are using it to refresh your recollection.
8 Tell us what you are looking at.

9 THE WITNESS: It's my affidavit from 08/24/2016.
10 Is that okay?

11 THE COURT: Yes.

12 You may continue.

13 BY MS. SIMON:

14 Q So the acreage you said on the left-hand side map
15 is 7,900?

16 A Yeah, about 7,900 acres, and that's referring to
17 the northern portion of this forest block, because there is a
18 fragmenting feature, the Dunning Pond Trail.

19 Q And the acreage on the right?

20 A On the right-hand side the largest remaining chunk
21 is now east of the Gilmantown Trail and that's about 9,700
22 acres.

23 Q What does that tell you about in this before and
24 after scenario on your block metric?

(Timothy G. Howard - Direct by Ms. Simon)

1 A So if you remove -- if you close that, the Dunning
2 Pond Trail to snowmobile traffic and create --

3 Q Could you identify what color that is?

4 A That's the pink trail on the left-hand map.

5 Q Thank you.

6 A And then add the Gilmantown Trail. That's the blue
7 line on the right-hand map. You are effectively changing,
8 dramatically changing the size of the largest forest block.
9 And rather than bisecting it right through the middle, you
10 are actually -- the trail follows a little bit more along the
11 edge and you end up with a larger, larger forest block, a
12 larger connected forest block.

13 Q Did you estimate the percentage increase in that
14 forest block?

15 A I did and I will refresh my recollection. And
16 that's a 22 percent increase in size.

17 THE COURT: Tell us what you were looking at. You
18 are looking at the same document?

19 THE WITNESS: I'm looking at the same document, my
20 affidavit.

21 BY MS. SIMON:

22 Q Thank you. Did you make any determinations on your
23 shape index metrics?

24 A Right. So the shape index changed as well, and

(Timothy G. Howard - Direct by Ms. Simon)

1 this time similarly for an improvement in both ways. The
2 shape index of the largest block, as well as the shape index
3 of the average, in this case of the two blocks in both cases.

4 Q Do you recall what, if any, percent change was in
5 the shape index?

6 A Right. So looking at my affidavit again, you had
7 an increase of the shape index of the largest block of about
8 9 percent and the average of all blocks you had an increase
9 of 3.6 percent.

10 Q So what does this tell you overall about your study
11 area with regard to fragmentation?

12 A So, again, thinking long term, the practice of
13 closing more interior trails, in this case the Dunning Pond
14 Trail, and while at the same time adding this trail that's
15 more to the perimeter of the forest block, increases, you
16 know, improves these forest fragmentation measures.

17 Q Thank you.

18 THE COURT: Miss Simon.

19 MS. SIMON: Yes.

20 THE COURT: Would this be a good time to take our
21 luncheon recess?

22 MS. SIMON: Sure. Yes.

23 THE COURT: All right. I have a brief appearance
24 in an unrelated matter over in the other courthouse at

Protect the Adirondacks! v. NYS DEC & APA

1 quarter after 1. So we will recommence at 1:25.

2 Miss Simon, unless you are concerned that there is
3 some possibility for prejudice, I would ask if you could
4 turn Dr. Howard's file over for review to Miss Braymer
5 during lunchtime to help us move things along.

6 Miss Braymer, that doesn't mean you don't get to
7 have lunch. If you have time to look at it, I would
8 appreciate it, but if you need more time at the
9 conclusion of Dr. Howard's testimony, you will get that
10 as well.

11 MS. BRAYMER: Thank you.

12 THE COURT: Okay.

13 You can do that?

14 MS. SIMON: Yes. Absolutely.

15 What time are we coming back?

16 THE COURT: About 1:25.

17 MS. SIMON: Thank you.

18 (Whereupon a lunch recess was taken at
19 12:11 p.m.)

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I N D E X

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DEFENDANTS' WITNESSES

<u>NAME</u>	<u>DIRECT</u>	<u>CROSS</u>	<u>REDIRECT</u>	<u>RECROSS</u>
Joshua Clague	1243	1261	1276	1279
Timothy Howard	1282	----	----	----

PLAINTIFF'S EXHIBITS

<u>NO.</u>	<u>DESCRIPTION</u>	<u>IDENT.</u>	<u>EVID.</u>
168	CP-38 DEC Policy	----	1242

DEFENDANTS' EXHIBITS

<u>NO.</u>	<u>DESCRIPTION</u>	<u>IDENT.</u>	<u>EVID.</u>
BU	Map depicting Moose River Plains trail closures	----	1253
BW	Map depicting Jessup River - Gilmantown trail closures	----	1261
BX	Timothy Howard, PhD, CV	----	1291
CB	Aerial photo (leaf off), Wilmington Trail	----	1317
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CK	Map, Forest Preserve Lands with Class II Trails relevant to case	----	1250
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CU	Aerial photo (leaf on) Seventh Lake Mountain Trail (USDA map)	1241	1310
CV	Gilmantown Trail Map (Focus Area 1) fragmentation assessment	1241	1329
CX	Seventh Lake Mountain Trail Map (Focus Area 2) fragmentation assessment	1241	----
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DB	Wilmington/Cooper Kill Trail Map (Focus Area 3) fragmentation assessment	1241	----
DD	Aerial photograph, (leaf on), Wilmington Trail (USDA map)	1241	1322

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C E R T I F I C A T I O N

I, Tracie Pamela Hilton, C.S.R, R.P.R., a Senior Court Reporter for the Unified Court System, Third Judicial District of the State of New York, do hereby certify that I attended and reported the foregoing proceedings; that it is a true and accurate transcript of the proceedings had therein to the best of my knowledge and ability.

Tracie Pamela Hilton

Tracie Pamela Hilton
Certified Shorthand Reporter
Registered Professional Reporter

Dated: April 10, 2017

Tracie Pamela Hilton, CSR, RPR
Senior Court Reporter