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CAMP CROFT RESTORATION ADVISORY BOARD MEETING

PLACE: Marriott Renaissance Hotel
 Spartanburg, South Carolina

DATE AND TIME: Thursday, May 5, 2022
 6:30 p.m. to 6:59 p.m.

REPRESENTATIVES: Ray Livermore [VIA VIDEO CONFERENCE]
 U.S. Army Corps of Engineers
 Wilmington District

Roger Young, Project Manager
Kelsey Orr, Assistant Project Manager
USA Environmental, Inc.

BOARD MEMBERS
PRESENT: Gary Hayes, Chairman
 James Herzog
 Tim Ritter, Park Services
 Col. John Gossett

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MR. LIVERMORE:

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I can see the room and most of the folks here attending the RAB meeting. As I mentioned, my name is Ray Livermore with the U.S. Army Corps of Engineers, Project Manager for the formerly used defense site at Camp Croft. And I'd like to thank y'all for coming to the Restoration Advisory Board meeting for Camp Croft. It's been a year since we met, and we felt it was a good time now to go ahead and hold the RAB meeting and give y'all an update in person on the progress that we're making for the remedial action for Camp Croft.

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And I've got the agenda up on the screen. I don't know who all is present as far as the RAB members. So Gary, I see that you're there. If you want to go ahead and take the helm. You can start the meeting, I guess, and have the RAB members introduce themselves.

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MR. HAYES:

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We want to thank everybody for coming out tonight. It's been a while because of Covid, and I hope everybody is healthy. We lost a lot of people. I know I lost my tractor mechanic. It hurts, and several other people, but life moves on.

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We've got two more board members, if y'all would introduce yourself.

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MR. HERZOG:

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Jim Herzog.

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MR. RITTER:

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Tim Ritter, the Park Manager at Croft State Park.

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MR. HAYES:

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So, Ray, if you want to go ahead, please proceed.

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MR. LIVERMORE:

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The next item that we have on the RAB agenda --

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so is there a question? [No Response.] I guess one

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thing I wanted to bring up, Gary, at our last RAB

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meeting we had voted to add DHEC as one of the RAB

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members. I saw both Kent Krieg and -- I haven't met

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Meredith Amick, but I believe that was Meredith that

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was with Kent. And so I just wanted to confirm that

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they are there as well at the meeting.

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MR. HAYES:

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Yes, I saw Kent here.

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MR. PRIGG:

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Ray, this is Kent Krieg. Me and Meredith are

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both present.

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MR. LIVERMORE:

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Next on the agenda is the New Business. And so,

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certainly, we'll add that to RAB members if there is

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any new business to cover or questions to ask the RAB

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before proceeding to the update.

MR. HAYES:

2 I was wondering whether y'all had talked about
3 going back to places and properties where they have not
4 granted right-of-entry, if y'all might have a list
5 whether you contacted people or not. Some of the
6 properties might have changed landowners and the new
7 landowners might be willing to grant right of entry or
8 the old landowners might have changed their mind if
9 they are contacted. Have y'all thought about that or
10 done anything with it?

11 MR. LIVERMORE:

12 We have not, Gary. You should have the -- with
13 access, and you'll see it. I can go ahead with
14 advancement of the slides, and I have both of the
15 projects here for Camp Croft. And so the only project
16 we are pursuing, actively pursuing an access, is for
17 this project up here, Project 13, which is the Grenade
18 Court. So that project, we've not had access during
19 the remedial investigation, and so we weren't able to
20 do any characterization for that parcel. So they are
21 denying access for that parcel, but we are periodically
22 requesting access.

23 So as far as any parcels that may exist down here
24 in some of the specific projects that were identified,
25 we are not pursuing access as of right now. And a lot

of that has to do with the fact that the program is
funding limited. So all the funding that we are
authorized for Camp Croft are applied to the current
remedial action at Project 07, which is the Croft State
Park. So at this time, even though we have official
documents that have been signed and approved for
implementing remedial action at the other projects, we
don't have the need for access at this point. We don't
have the funding to implement the remedial action at
this point. Those projects, we will implement the
remedial action once we are completed with Project 07.
And so what you see is that we are getting closer to
completion of Project 07, and we'll begin the process
of acquiring the access agreements for the next
project.

And so, I hope that answered your question, Gary.
I have another slide that has the priority, and we can
kind of get into that if there are no other questions
as far as new business.

MR. YOUNG:

Ray, nobody has their hand up.

MR. LIVERMORE:

So this is the first slide of the remedial action
update. And so, basically, this is from the
feasibility study where we identified the specific

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2 projects within the Camp Croft FUDS that required some
3 additional response action due to munitions
4 contamination we identified during the remedial
5 investigation. And so you should see right here where
6 my cursor is, this is Project 07, Croft State Park,
7 where we're currently implementing the remedial action.
8 And so if there aren't any questions on this slide,
9 I'll move to the next one. [No Response.]

10 The next slide, this is the table of the projects
11 that we've identified for further response action. And
12 to further, I guess, address your question, Gary, you
13 can see that we are currently addressing Project 07,
14 the Camp Croft remedial area, remedial action. This is
15 Project 05, Munitions Debris/Range Complex Remaining
16 Areas. Those are the areas where we've already
17 implemented the remedial action which was public
18 education. So that included installation of
19 information signs in the Croft Park area and then
20 preparation of brochures for public education. And so
21 that remedial action was implemented in June of 2020.

22 As you can see in this last column here, the
23 first five-year review, which is required for Projects
24 03 and 05 in 2025, the remedial action did not achieve,
25 what we call, unrestricted use, unlimited exposure,
unrestricted exposure. And so because the remedial

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2 action didn't achieve that, the term we use, UU/UE,
3 unrestricted exposure, we have to do a review every
4 five years to determine whether the remedy is still
5 protective of human health. And so the first five-year
6 review will be due in June 2025. The remaining
7 projects, as you can see, we've identified them or
8 ranked them by priority here. That priority was, as
9 you can see here, a compilation of feedback we got back
10 from DHEC and the RAB priorities.

11 And so you can see in the next area we're going
12 to complete after Project 07 would be Project 08, 60/81
13 millimeter mortar area, and then the following area
14 would be Project 10, a 105 millimeter area. So, again,
15 as we discussed at the previous RAB meetings and,
16 honestly, in this as well, the program is funding
17 limited, and that's why we are proceeding with the
18 remedial action at Project 07 in increments, where as
19 we are getting additional funding every fiscal year to
20 add additional acreage to the remedial action contract.
21 And so you can see the subsequent projects, obviously,
22 required we put those areas in a sequential manner. So
23 I believe that's all I have to mention for this slide.
24 Any questions on this slide?

24 MR. HERZOG:

25 Yes, Ray. It's Jim. How up-to-date are these

1 estimates? How fresh?

2 MR. LIVERMORE:

3 I believe they are up-to-date. As far as I know,
4 this is information -- these estimates are from my
5 recollection on what was presented in the decision
6 documents as far as when the decision documents were
7 approved. And so that was the cost that was developed
8 at that time.

9 MR. HERZOG:

10 Okay, thank you.

11 [OFF THE RECORD]

12 MR. LIVERMORE:

13 So let me proceed on this next slide. This is
14 Project 07, the Croft State Park. I believe y'all have
15 seen this picture previously. As I mentioned
16 previously, we were awarded the original contract in
17 March of 2020 to implement the remedial action, and
18 that was for 436 acres of the 1,277 acres that were
19 identified for Project 07. As you see in the second
20 bullet, the contract was modified in September 2021 to
21 add an additional 183 acres, and that was for those
22 high-use areas, the campgrounds, horse facilities,
23 picnic areas. And as you can see, what we're referring
24 to are these additional acres that were awarded as
25 Priority Area 01, and then the second area is Priority

02. So you see on this figure here the original area is in blue, Priority 01, and the secondary is Priority 02 in pink. Any questions on this slide? [No Response.]

Next slide, the table at the top of this slide identifies the current status for those two priority areas. The Surface MEC Clearance was completed; I believe it was probably last year. As you can see, it's 100 percent on both the Priority 01 and Priority 02 area. The PLS Survey is the Professional Land Survey. It's done for the boundaries in the individual grid areas for each of the priority areas. Vegetation Clearance, we're actually removing brush and undergrowth, leaving trees, I believe, with a larger diameter than three inches unless the park has asked for them to be removed. They've asked for them to be removed. Vegetation Clearance is conducted to allow implementation of the geophysical survey.

The next one, the AGC Survey, that's Advanced Geophysical Classification. That's the survey that we are using on site. The percentage part is the portion that has already been completed at this point. And then finally, once the geophysical survey is complete, we identify targets of interest which, basically, is a TOI list. It's potential munitions items that must be

investigated. Basically, that is through intrusive investigation. That is, typically, these targets of interest. And so you can see we're in the early stages of the intrusive investigation. The intrusive investigation started in January of this year, and you can see for each one of the priority areas the number of grids, obviously. Like I say, it's still in the early stages of the intrusive investigations.

To-date, we have not discovered any munitions and explosives of concern items during the intrusive investigation. But as you recall, as mentioned in some of the previous RAB meetings, that five MEC items were discovered during the surface clearance. This is just a recap of those items that were discovered during the surface clearance effort. You can see they're identified there on the bottom of the slide. Any questions on this slide? [No Response.]

We'll go to the next slide. This is an update map. These two figures are for those initial tasks that were identified in the table. The yellow identifies surface clearance that's been completed. The orange is vegetation clearance, and then green is both vegetation and surface clearance that have been completed. As you can see on the majority of Priority Area 01, both the surface and vegetation clearance is,

basically, completed. There are a couple of grids there that remain as far as the vegetation clearance. And then in the Priority 01 and 02 areas, you've got over 60 percent of the surface and vegetation area that has been completed. Any questions on this slide? [No Response.]

Moving right along. This is a slide, pretty much an informational one, to incorporate into the presentation. We touched a little bit on this at the last RAB meeting. We mentioned the type of mapping tool that's been done for the project. It's called -- SLAM is the acronym, Simultaneous Localization and Mapping technology. And so it's allowed us to map the area and help us from a mapping perspective in regards to the technology that would, typically, be used, the RTK and LIDAR, because we have such great canopy coverage throughout the area and other parts of the park and the amount of trees that are in the area that would really limit a lot of the more traditional type mapping than the LIDAR or the RTK. And so we use the SLAM technology.

And as I mentioned, I wanted to put these pictures in here that shows a model example, a photograph. I believe this is the prior year, maybe the horse stables, where we're doing some of the

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2 surveying and remedial action. And then you see the
3 surface representation of the SLAM technology. And,
4 basically, this is information as far as what the
5 planned technology is and its capabilities. Again,
6 pretty neat technology that is being utilized for the
7 mapping for this effort. Any questions on this slide?
8 [No Response.]

9 The next slide is a Status Map on the AGC data.
10 That's the geophysical classification. And then,
11 again, Priority 01 on the left, Priority Area 02 on the
12 right. The purple identifies the Q.A. seeding being
13 complete for the different grids. And then the green
14 here is identifying the Apex data is being submitted
15 and approved. So these surveys are being conducted by
16 the geophysical equipment. It's being submitted to the
17 USACE for review and approval prior to conducting the
18 intrusive investigation. Any questions on this slide?
19 [No Response.]

20 The next slide, and so these are pictures of the
21 Advanced Geophysical Classification equipment. I know
22 several of you had attended the RAB meeting last May,
23 the last RAB meeting we had in person. And so the day
24 after the RAB meeting, we had a presentation of the AGC
25 equipment, and obviously, it's presented here in
different pictures. And so this is the APEX units that

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are being used at the site. And, again, just a slide
of them to illustrate the equipment being used on site.
Any questions? [No Response.]

Another status map, I guess, for Priority Area 01
and 02. As you can see, the progress is less complete
compared to the AGC progress. That's because this is
illustrating the number of grids where we are
conducting an intrusive investigation. So you can see
it's in various stages. The green here is indicating
the APEX survey has been approved, and so they're
available to do intrusive investigation. And then the
light blue indicates intrusive investigations are
ongoing, and the dark blue indicates intrusive
investigations are complete. As you can see, I believe
it's one percent for both areas as far as the complete
investigation. As I mentioned, to-date no munition
items have been identified in the intrusive
investigations. Any questions on this slide? [No
Response.]

The next slide, and so this is just a couple of
photographs of the intrusive work. And so as I
mentioned, the intrusive investigation begins after the
geophysical surveys have been approved by the Corps of
Engineers. And so the list of targets of interest that
are compiled during the geophysical survey are provided

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to the consultant for investigation. So they're using those to intrusively investigate all of those targets of interest in the individual grids. So that's what's happening here where they are manually excavating to confirm what the target of interest is in that particular grid. And then they're using -- I believe this picture here is showing use of a Schonstedt or metal detector to confirm whether there are any remaining items in the grid once the intrusive investigation has been conducted. Any questions on this slide? [No Response.]

That's it for the technical portion of it. This slide is additional information as far as moving forward. We are anticipating a second task order modification in FY22 for additional acreage, approximately 73 acres, to implement the remedial action at Project 07. My understanding is we're looking at doing that probably in the next year within the third or fourth quarter. We're in the third quarter now and will be moving to the fourth quarter in a few months. The field work for Project 07, the current schedule has us continuing the field work where they've tentatively approved through March of '24, and the final RA report is tentatively scheduled for October of '24. And I just want to mention the next

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2 RAB meeting is tentatively scheduled for August 4th of
3 this year. And so that is all I have.

4 Any questions on the update or schedule moving
5 forward?

6 MR. HAYES:

7 Roger, will that complete the Project 07 acreage
8 or will there be --

9 MR. LIVERMORE:

10 That will not, no. That will probably bring us
11 to about -- off the top of my head, I'm thinking that
12 will probably have to place us, approximately, between
13 600 and 700 acres total, maybe a little bit more than
14 that. I don't know if there's any Corps members in the
15 audience that has a better handle on total acres that
16 would bring us to, but it certainly would not bring us
17 to the 1,277 acres that comprise the entire Project 07.

18 MR. THOMPSON:

19 Yeah, that's, roughly, 700 acres, and then you'd
20 still have about 600 left to go to reach the entire
21 acreage for Project 07.

22 MR. LIVERMORE:

23 I didn't quite hear you, Drew. About 646 acres
24 is what I had after this modification update if you go
25 forward with the 73 acres.

MR. THOMPSON:

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2 Yeah, you were right in your estimation.

3 MR. LIVERMORE:

4 Any other questions? [No Response.] I'll go back
5 up to the agenda. So that's the update for Project 07.

6 Gary, I don't have anything else. Do you want to
7 drive, or do you want me to drive as far the remainder
8 of the agenda?

9 MR. HAYES:

10 Well, it seems like -- do we need anything to
11 bring up at the next meeting? The next meeting will be
12 in August. Anybody have anything on their mind they
13 need to check in on, or do you have any property you
14 need checked or anything? Because that's what we're
15 here for. Has anybody heard of anybody finding
16 munitions anywhere? [No Response.]

17 MR. LIVERMORE:

18 I don't think, Gary, as far as the Army Corps of
19 Engineers. I have not heard any reports from community
20 members or from any of the EOD units that have had a
21 response to any calls as far as munitions items.

22 MR. HAYES:

23 Well, I talked to a guy today. He said he found
24 a mortar several years ago, and it was all rusted
25 through. But, you know, he said he turned it over to
the landowner. I said, "Well, you didn't know we were

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doing this?" And he could turn it over to the Sheriff
or Corps of Engineers, and he said, "No, he didn't know
anything about this." So he just gave it to the
landowner, but that's where education will come in.

5 MR. LIVERMORE:

6 Is that something that was discovered recently,
7 Gary?

8 MR. HAYES:

9 No, several years ago. He said it might have
10 been 20 years ago.

11 MR. LIVERMORE:

12 Okay.

13 MR. HAYES:

14 So if nobody has anything, I ... do you have
15 anything else, Ray?

16 MR. LIVERMORE:

17 I do not have anything else to present, Gary.

18 MR. HAYES:

19 If we don't have anything else, I think we need
20 to call the meeting adjourned. Do we have a motion to
21 adjourn?

22 MR. HERZOG:

23 Motion to adjourn.

24 MR. RITTER:

25 Second.

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MR. HAYES:

We appreciate everybody coming out, and y'all
have a good night and take care of yourself.

MEETING ADJOURNED AT APPROXIMATELY 6:59 P.M.

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STATE OF SOUTH CAROLINA)
) C E R T I F I C A T E
COUNTY OF GREENVILLE)

I, Jane S. Wehunt, notary public in and for the State of South Carolina, do hereby certify that the within meeting was taken by me on Thursday, May 5, 2022 and that the foregoing is an accurate transcript of the meeting.

I further certify that I am neither an employee or relative to any of the parties, counsel or speaker, and in no matter interested in the outcome of this action.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 11th day of July, 2022.

Jane S. Wehunt

Jane S. Wehunt
Notary Public for South Carolina
My Commission Expires 05/24/2026