

CAMP CROFT RESTORATION ADVISORY BOARD MEETING

PLACE: Marriott Renaissance Hotel
Spartanburg, South Carolina

DATE AND TIME: Thursday, August 2, 2018
6:30 p.m. to 8:00 p.m.

REPRESENTATIVES: Ray Livermore
US Army Corps of Engineers
Wilmington District

Suzy Cantor-McKinney
ZAPATA
6302 Fairview Road, Suite 600
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BOARD MEMBERS

PRESENT: John Gossett
Gary Hayes, Chair
James Herzog
Tim Ritter

REPORTED BY: Sandy Satterwhite Reporting
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1 BY MR. HAYES:

2 Okay. I want to welcome everybody out tonight to the Restoration
3 Advisory Board August meeting. It's pretty messy outside, so I appreciate
4 everybody coming. We've got the sheriff's department represented with Dyas
5 here. It's always good to have the sheriff's department here.

6 Let's try to keep all conversations germane to the subject at hand. Speak
7 up where you can be heard and state your name for the dictation.

8 We want to start out John Moon was on the board, and he got
9 transferred to Kings Mountain State Park, and Terry ---

10 BY MR. RITTER:

11 Tim.

12 BY MR. HAYES:

13 Yeah, Tim.

14 Tim is taking his place at Camp Croft State Park.

15 BY MR. LIVERMORE:

16 And, Tim, your last name is Ritter, right?

17 BY MR. RITTER:

18 Ritter, yes, sir.

19 BY MR. LIVERMORE:

20 Okay.

21 BY MR. HAYES:

22 So ---

23 BY MR. HERZOG:

24 Can we move up on the board?

25 BY MR. HAYES:

1 Well, we want to see about getting a motion to get Tim on the board,
2 because a lot of the removal is going to be there at the state park. So, can we
3 have a motion from anybody on the board to get him on the board?

4 BY MR. HERZOG:

5 So move.

6 BY MR. HAYES:

7 Okay. Second?

8 BY COLONEL GOSSETT:

9 I'll second.

10 BY MR. HAYES:

11 Okay.

12 BY MR. LIVERMORE:

13 And I think, you know, Tim, obviously, you know, the park is one of the
14 major, you know, stakeholders as part of the Camp Croft Formerly Used
15 Defense Site. So, yeah, Tim, you're welcome to come on and sit in John's seat.
16 So, we would like to welcome you to the Restoration Advisory Board.

17 As I was saying, you know, the park is obviously a major stakeholder as
18 far as the Camp Croft Formerly Used Defense Site. So, it's certainly a good
19 thing to get a representative of the park as far as any input or feedback that
20 you guys may have as part of the process, so.

21 BY MR. RITTER:

22 Thank you.

23 BY MR. HAYES:

24 And, Tim, this is a public meeting, so anybody from the public is welcome.
25 It's always recorded, and we have our meetings four times a year, if we can, and

1 we have them every three months the first Thursday of the month. So from
2 now, the next meeting will be scheduled on November, but if we don't have a
3 meeting, everybody will be advised of the meeting.

4 Tim, would you tell the public just a little bit about you before you came
5 and so they get to know you.

6 BY MR. RITTER:

7 Sure. I grew up in Surfside Beach, and I went to college at Furman
8 University up in Greenville, and I started my career with the Park Service in
9 2008 at Huntington Beach State Park, and I've worked at a number of different
10 parks, eight in total. Croft is my eighth state park. I just moved here in
11 January, and I absolutely love it in the upstate. I'm excited to be back, and I'm
12 looking forward to helping in any way I can with this.

13 BY MR. HAYES:

14 Well, good. We appreciate you coming on the board.

15 BY MR. HERZOG:

16 Huntington Beach, California?

17 BY MR. RITTER:

18 No, Atlantic Beach just south of Myrtle Beach.

19 BY MR. HAYES:

20 Okay. New business. Status of Decision Documents, Army Corps of
21 Engineers will be handling this. We'll let Ray Livermore ---

22 BY MR. LIVERMORE:

23 Sure. Thanks.

24 BY MR. HAYES:

25 --- take the floor.

1 BY MR. LIVERMORE:

2 Thanks, Gary, and just a --- I guess just to provide you a little
3 background. We tried to include or we wanted to include in the packet the list
4 of the different munitions response sites that have been created as part of the
5 remedial investigation that was completed for the Camp Croft FUDS, and in
6 that package we have a figure of the different munitions response sites, and
7 there is, I believe there's a table. We've got a table in there, as well, Suzy?

8 BY MS. CANTOR-MCKINNEY:

9 Yes.

10 BY MR. LIVERMORE:

11 Okay, and so the table, there's a couple different sides to it. One
12 identifies some of the historical nomenclature that we use to reference the
13 different areas that were part of the investigation, and then what the final
14 munitions response site name was that we determined once we went to the
15 decision documents; and so, if you cannot recall, we have as part of the
16 Formerly Used Defense Site Program everything is managed at the project
17 level. So we have what's called properties. There are many Formerly Used
18 Defense Sites across the country, and so these are managed as properties
19 across the country, and then you create individual projects at each one of the
20 FUDS, and so these projects can be munitions site. It could be a, what we call,
21 an HTRW site, which is an acronym for Hazardous, Toxic, and Radioactive,
22 Waste and includes sites with groundwater contamination, things of that
23 nature.

24 So at Camp Croft we have primarily or only munitions projects that are
25 left to address from the Formerly Used Defense Site Program, and so there

1 are --- I can't recall how many. Let's see, one, two, three, four, five, six, seven,
2 eight, nine, ten, so ten different projects that were created out of the
3 remedial investigation feasibility study, and we reduced the number or we
4 created these number of projects to be able to manage them in smaller bits,
5 and it probably, hopefully it will help us from a management standpoint that
6 there will be --- the funding will be less for each one of these projects than
7 what it would have been for the entire Camp Croft as trying to remediate that
8 from a standpoint as far as the entire Formerly Used Defense Site.

9 So if you look on the one table, we have the different projects listed, the
10 name of that munitions response site and the remedial alternative that was
11 selected. This is basically what the Corps of Engineers recommended for the
12 remedial action moving forward to address any potential hazards that may be at
13 that site.

14 And as you can see, Project 03 and 05, basically, public education is what
15 we have selected for the remedial alternative, and that includes or that entails
16 any type of signage that we may put up to help folks realize that this was a
17 former munitions site, what the potential hazards are and who to call if they
18 encounter something that looks suspicious; brochures that would be distributed
19 amongst the community informing them of potential hazards, and, again, what to
20 do; and then, obviously, the last column is the costs that's associated with those
21 implementing that remedial action.

22 The remaining projects you can see below that, Projects 06 through 11,
23 we have identified the removal action or the remedial action that was selected
24 for those is what we call advanced geophysical classification, and what that
25 entails is typically with these munitions projects we use geophysical equipment

1 to survey the land, identify potential subsurface anomalies, and then excavate
2 those anomalies to ensure that we're getting any potential munition hazard
3 excavated from those sites.

4 So what's been developed in the last couple years that DOD has done
5 some pilot studies, and they've developed this new technology advanced
6 geophysical classification, and what it does is basically it has 3D sensors on the
7 item, and it allow, it gives us a better picture, a better signature of the type of
8 item that's in the subsurface so we can compare the signature that we're
9 getting from those items to information that's in a library that is a known
10 signature from, say, a cylindrical shell, 37 millimeter, 105 millimeter, and so it
11 gives us better confidence to be able to say this item here, it's a shell-like item
12 that is potential munitions.

13 So we can determine, with a great deal of confidence before we
14 excavate, this item is potential munitions, this item is not. It's more like a
15 horseshoe or something like that. So it's a huge cost savings from that
16 perspective, and so that is the remedial alternative that was selected for
17 Projects 6 through 11.

18 Project 12 we had recommended no action for that, and that was based
19 on the results of the remedial investigation. There were no munitions and
20 explosives of concern that were discovered at those sites and no munitions
21 debris. Typically, if a site maybe has some type of munitions debris, which are
22 inert fragments, pieces of munitions, we may recommend public education as we
23 have for the first two projects for that type of project.

24 And then project 13, the grenade court, that was a site that we did not
25 get access agreements in place. The property owner did not allow us to have

1 access to the property, so we were not able to complete the investigation for
2 that site and adequately determine whether contamination was present on that
3 site.

4 So, basically, what's recommended for that site is further investigation,
5 moving forward if we ever do get access for that property.

6 So that's a little background as far as what has transpired to this point,
7 and the remedial actions that were selected for those different projects.

8 Now, where we stand in regards to the decision documents. So, we had,
9 as you can imagine in, you know, in the federal government, mass bureaucracy, a
10 number of entities that we had to provide these decision documents to get
11 their approval. We had several entities that we had to submit the decision
12 documents since our last RAB meeting. We had the public health command as
13 part of the Army. They reviewed and approved the decision documents
14 probably not long, I think, after our last RAB meeting, which was last August.
15 The State of South Carolina DHEC had to review and approve the decision
16 documents. They gave their approval, I want to say, about March timeframe,
17 and then the most recent entity that we provided the decision documents to is
18 a US Army Technical Center for Explosive Safety, and they reviewed the
19 documents and gave their approval in May.

20 So the next step of where we are is basically we're within the Corps of
21 Engineers now as far as approval moving up where we have to submit these
22 documents for approval. The dollar amount that's associated, the estimated
23 costs with these decision documents determines where the final signature
24 authority is for these documents, and so you can see for any project that is
25 below five million dollars estimate can be signed at the Corps of Engineers

1 Division Office. So the way the Corps of Engineers is structured in the South
2 Atlantic area, we have five districts, which I'm the Wilmington District, and we
3 have a division office. The South Atlantic Division Office is in Atlanta. It is
4 and is the next level up from those district offices, and so that's typically
5 where we have a one-star general that is commander of the division office; and
6 so the decision documents that are below five million can be signed at the
7 division level. Above the five million level, five million cost estimate, the
8 decision documents have to be sent, signed at the Corps of Engineers
9 headquarters level; and then above fifteen million, I believe it's at big Army, it's
10 at the Army headquarters level as far where the decision documents can be
11 signed. So we don't have any at that level.

12 BY MR. HAYES:

13 Where is it now?

14 BY MR. LIVERMORE:

15 We have one decision document that was transferred or has been
16 basically reviewed by office counsel at the Savannah District and now is at the
17 division level. The project manager, if you all recall the project manager in
18 Savannah that was --- it used to be Julie Hiscox who has attended a couple of
19 our RAB meetings. She has since retired. She retired earlier this year. A lady
20 by the name of Dena Thompson is replacing her, and so she was not able to make
21 it here tonight, but she did give me an update on where the rest of the decision
22 documents are. They are still undergoing office of counsel review in Savannah
23 District, but she anticipates they will be at the division next week. So she's
24 hoping they'll be there next week.

25 BY MR. HERZOG:

1 What will be at the division next week?

2 BY MR. LIVERMORE:

3 The rest of the decision documents. There's one decision document at
4 the division level.

5 BY MR. HERZOG:

6 There's one or nothing goes on?

7 BY MR. LIVERMORE:

8 Well, it's the ---

9 BY MR. HERZOG:

10 I understand.

11 BY MR. LIVERMORE:

12 My understanding is it's the remaining lands decision document, which is,
13 if you look on the map, it's basically the large green area. So this is part of the
14 range complex area where we have where munitions debris were identified but
15 not into --- not in a, I guess, a large in high enough density to indicate that
16 there was potential munitions or unexploded ordnance in those areas.

17 So that area has been recommended for public education moving forward,
18 basically. Like I said, signage, brochures, and so that one is at the division level.
19 The rest of the decision documents, as I said, from what I've been told, will be
20 there next week.

21 BY MR. HAYES:

22 Who changed the name of the sites?

23 BY MR. LIVERMORE:

24 That happened back in the RI/FS phase. That was something that ---

25 BY MR. HAYES:

1 It wasn't changed at our last meeting.

2 BY MR. LIVERMORE:

3 Yes, it was. These names were what was presented at the public meeting
4 that we had for the proposed plans. So last ---

5 BY MR. HAYES:

6 Well, that was in March and the other one was in February.

7 BY MR. LIVERMORE:

8 Right.

9 The public meeting was in March, and we had a RAB meeting ---

10 BY MR. HAYES:

11 In February.

12 BY MR. LIVERMORE:

13 --- in May to basically ---

14 BY MR. HAYES:

15 There was in February before the one in March.

16 BY MR. LIVERMORE:

17 That was probably a RAB meeting, I'm guessing.

18 BY MR. HAYES:

19 We had a meeting in February ---

20 BY MR. LIVERMORE:

21 Yeah.

22 BY MR. HAYES:

23 --- before the public meeting in March.

24 BY MR. LIVERMORE:

25 Yeah.

1 BY MR. HAYES:

2 And the public meeting is the one that they did not send out the notices
3 except about two days before and there wasn't many people there.

4 BY MR. LIVERMORE:

5 Right, and that's why we ---

6 BY MS. CANTOR-MCKINNEY:

7 Follow ---

8 BY MR. HAYES:

9 A lot of people didn't get their notices.

10 BY MR. LIVERMORE:

11 And that's why we had a second meeting in May to be able to ---

12 BY MS. CANTOR-MCKINNEY:

13 We had a second meeting.

14 BY MR. LIVERMORE:

15 We had a second meeting in May to be able to provide the information,
16 allow the public enough time to get the invitation and attend the meetings.

17 BY MR. HAYES:

18 I don't remember any of these things being changed and some of these
19 names are wrong, which the other one was wrong, too.

20 BY MR. LIVERMORE:

21 Well, I can provide you the meeting minutes, Gary, when I get back to
22 the office, but, yeah, the names were, the names were that way at the public
23 meeting that we had last year, and I'm sure that they were probably ---

24 BY MR. HAYES:

25 I know the project numbers are corresponding, but the names aren't.

1 BY MR. LIVERMORE:

2 Well, actually, the project numbers are somewhat, they were changed at
3 the same time, because we created the projects the way --- to step back a
4 little bit and explain a little bit more with the Corps of Engineers as far as the
5 projects, we, for the remedial investigation and the feasibility study at Camp
6 Croft, as is with most of these munitions sites, these FUD sites across the
7 country, we create one initial munitions project that everything is sort of done
8 under at that time. So during the remedial investigation we had the one project
9 that the munitions project was under; and as we define these individual areas of
10 concern, these munitions response sites, that's when we --- that's when we
11 determined we needed individual projects for each one of those munitions
12 response sites.

13 So that's about the time when they were created. It was probably
14 moving from the feasibility study into the proposed plan, which was what the
15 public meeting was, and so it was probably early last year when we made that
16 change; and, like I said, I can provide you the meeting minutes if you want, but
17 I'm positive that the names had been changed.

18 BY MR. HAYES:

19 I can look at the minutes myself.

20 BY MR. LIVERMORE:

21 At the public meeting.

22 BY MS. CANTOR-MCKINNEY:

23 And, obviously, the agenda from last year had the same data.

24 BY MR. LIVERMORE:

25 Right.

1 BY MR. HAYES:

2 But some of the maneuver areas have changed to range complex, and it's
3 not a range complex. It was definitely a maneuver area. Anything on the south
4 side of Fairforest Creek was not a range area.

5 BY MR. LIVERMORE:

6 Okay.

7 BY COLONEL GOSSETT:

8 Say that again, Gary.

9 BY MR. LIVERMORE:

10 Gary.

11 BY MR. HAYES:

12 Anything that's not on the state park side of Fairforest Creek, anything
13 like on your property is not a range area on that side of Fairforest Creek.

14 BY COLONEL GOSSETT:

15 Anything west of Fairforest Creek was a maneuver area.

16 BY MR. HAYES:

17 Maneuver area.

18 BY COLONEL GOSSETT:

19 With one exception, the hand grenade range, which is not showing on here
20 now.

21 BY MR. HAYES:

22 I don't think anybody has ever shown the hand grenade range.

23 BY COLONEL GOSSETT:

24 That's ---

25 BY MR. LIVERMORE:

1 Well, there are a couple of hand grenade ranges that are shown on here.

2 BY MR. HERZOG:

3 Does it really matter what it's called? It's got an identity number.

4 BY MR. LIVERMORE:

5 Well, and that's what I was going to say, Jim, is that the name, you know,
6 it may be what, this may be a phrase in sort of general terms we're using to
7 define, you know, this is the munitions area of concern. Whether we call it a
8 range or a maneuver area, the term that's being used is basically this was used
9 for munitions training, and so I wouldn't get hung up on the name, per se.

10 We're using it as a term to describe this is where munitions training
11 happened and going forward the recommended action is basically public
12 education in that area.

13 BY COLONEL GOSSETT:

14 Fairforest Creek, anything west of it was a maneuver training area like
15 M1 rounds, so stuff like that was used during training.

16 In the last meeting Gary raised the issue about the size. I think you may
17 have blocked out 40 acres or 25 acres, 40 acres, something like that. It's not
18 on here now, but it was a live hand grenade range.

19 BY MR. LIVERMORE:

20 So are you guys inferring that it was not investigated or are you saying
21 we just haven't identified it explicitly on the map?

22 BY COLONEL GOSSETT:

23 We had met about a year ago, approximately, I think it was the last
24 meeting we had I think you had blocked out like 40 acres or something or maybe
25 25 acres out there, and Gary raised the issue, and then I commented on it. It

1 would be in the record, but I don't see it on here now, and I didn't know
2 whether that was something.

3 BY MR. LIVERMORE:

4 No, we haven't changed these figures since the public meeting back in
5 March of last year.

6 BY COLONEL GOSSETT:

7 Yeah, so but other than that one activity, Gary, everything on the west of
8 Fairforest Creek was just maneuver.

9 BY MR. HAYES:

10 Was for maneuvers.

11 BY COLONEL GOSSETT:

12 Maneuvers.

13 BY MR. HAYES:

14 Yeah. I haven't seen anything about any hand grenade ranges.

15 BY COLONEL GOSSETT:

16 Small unit up to battalion size activity you'll pick up on my property.

17 BY MR. LIVERMORE:

18 Uh-huh (affirmative response).

19 BY COLONEL GOSSETT:

20 Nothing that would hurt you, other than that one, and back up here it's
21 going to be in that area between the two sevens there.

22 BY MR. LIVERMORE:

23 Okay.

24 BY COLONEL GOSSETT:

25 It's going to be in that general area.

1 BY MR. LIVERMORE:

2 All right.

3 And I would refer you guys to the remedial investigation report, which
4 has done work in that area; and so that was the whole point of the remedial
5 investigation was to determine where the contamination boundaries were. So
6 I'm sure there were several transects that were done in that area, and that's
7 why those boundaries are shown the way they are is because they found items
8 in those areas in the --- so you're saying on Project 07 the blue shaded areas,
9 those are boundaries are defined the way they are because of what was found
10 during the remedial investigation and what was not found were areas that were
11 outside of those boundaries.

12 BY MR. HAYES:

13 Well, I'm saying 03 is not a range complex.

14 BY MR. LIVERMORE:

15 Okay.

16 BY MR. HERZOG:

17 Well, give it another name.

18 BY MR. LIVERMORE:

19 Yeah.

20 Again, Gary, ---

21 BY MR. HAYES:

22 It's always been called a maneuver area.

23 BY MR. LIVERMORE:

24 Again, Gary, at this point I would say its semantics. They are using range
25 complex as a term to include these were munitions activities that were

1 happening here, regardless of whether they were maneuver, whether they were
2 an actual target range, that's what the term is being used in ---

3 BY MR. HAYES:

4 Well, a range makes it sound like an impact zone.

5 BY MR. LIVERMORE:

6 Well, and there were some impact zones within that area, right? I mean,
7 the 105 millimeter area is an impact area.

8 BY MR. HAYES:

9 No.

10 BY MR. LIVERMORE:

11 The 105 millimeter area was not an impact area?

12 BY MR. HAYES:

13 Not in this area where 03 is.

14 BY MR. LIVERMORE:

15 Well, 03, it covers the entire area, though.

16 BY MR. HAYES:

17 Well, I'm talking about ---

18 BY MR. LIVERMORE:

19 Oh, you're talking about this individual area here. Okay.

20 BY MR. HAYES:

21 Yeah, right there.

22 BY MR. LIVERMORE:

23 I thought you were talking about Project 05.

24 BY MR. HAYES:

25 Yeah.

1 BY MR. LIVERMORE:

2 Okay. Well, ---

3 BY MR. HAYES:

4 Fairforest Creek runs right around here.

5 BY MR. LIVERMORE:

6 Yeah, I see what you're saying. Yeah. Yeah, it's ---

7 BY MR. HAYES:

8 Nothing on this side of Fairforest Creek ---

9 BY MR. LIVERMORE:

10 Yeah.

11 BY MR. HAYES:

12 --- was a range area.

13 BY MR. LIVERMORE:

14 Right. I see what you're saying. It says, "Range complex area," and,
15 again, that is just a term that we used to describe that area. I mean it's --- to
16 me its semantics. I mean if you want us to get it changed, we could do that.

17 BY MR. HAYES:

18 Well, it's a maneuver area just like on the state park right there.

19 BY MR. LIVERMORE:

20 Uh-huh (affirmative response).

21 BY MR. HAYES:

22 Maneuver area. It's like he said when he was growing up, all that was
23 maneuver area.

24 BY MR. LIVERMORE:

25 Okay.

1 So would you like us to proceed with trying to get the name changed? Is
2 that what you're saying, Gary?

3 BY MR. HAYES:

4 I don't know why you changed it to start with.

5 BY MR. LIVERMORE:

6 Okay. Well, I'm telling you go back and look at the meeting minutes. The
7 name has been that way since the last ---

8 BY MR. HERZOG:

9 I never saw that maneuver area. That's always been --- the maneuver
10 area has always ---

11 BY MR. LIVERMORE:

12 Right.

13 BY MR. HERZOG:

14 Do you have an older map?

15 BY MR. RITTER:

16 Ray, I believe that --- I've got this map from 2016 right here that says
17 maneuver area.

18 BY MR. HAYES:

19 I believe that's ---

20 BY MR. LIVERMORE:

21 It says what?

22 BY MR. HERZOG:

23 That's this circle.

24 BY COLONEL GOSSETT:

25 I believe that is west of ---

1 BY MR. HERZOG:

2 That's this circle.

3 BY MR. HAYES:

4 Here it is right here.

5 BY COLONEL GOSSETT:

6 I think that is west of Fairforest Creek.

7 BY MR. LIVERMORE:

8 Okay.

9 BY COLONEL GOSSETT:

10 That's it right there.

11 BY MR. LIVERMORE:

12 Yeah, and that's not called a range complex. That's called a maneuver
13 area, and that's part of this area here, right.

14 BY MR. RITTER:

15 Project 7.

16 BY MR. HAYES:

17 Here it is right here.

18 BY MR. LIVERMORE:

19 What they're saying, Gary, is this the area you're referring to? This area
20 right here?

21 BY MR. HAYES:

22 No, I'm talking right here.

23 BY MR. LIVERMORE:

24 Yeah, see, he's talking about Project ---

25 BY MR. RITTER:

1 Seven.

2 BY MR. LIVERMORE:

3 --- 03. He's talking about Project 03.

4 BY MR. RITTER:

5 Oh, he's talking about three?

6 BY MR. LIVERMORE:

7 Yeah.

8 BY MR. HAYES:

9 Here it is right here.

10 BY MR. LIVERMORE:

11 Right, and, see, this is from the RI reports. This is 2014, and so I'm
12 saying the name was changed in last year, early 2017. Like I said, if you want us
13 to change the name, I can pursue that. I can't say that I could get it changed,
14 but if it bothers you that much, I can certainly pursue it to see if I can.

15 BY MR. HERZOG:

16 I wouldn't support changing anything at this point.

17 BY MR. LIVERMORE:

18 Well, it would certainly delay, ---

19 BY MR. HERZOG:

20 In the end.

21 BY MR. LIVERMORE:

22 Right.

23 BY MR. HERZOG:

24 Somebody is going to say, "Oh, what's going on here?"

25 BY MR. LIVERMORE:

1 Right, and at this point, Gary, the point ---

2 BY MR. HAYES:

3 Did you change the number of people that were in the area that I
4 brought up the meeting before?

5 BY MR. LIVERMORE:

6 I don't think ---

7 BY MR. HAYES:

8 And said, "If anybody disagrees with the number, we'll change it," and I
9 said, "Well, I disagree."

10 BY MR. LIVERMORE:

11 I don't believe the documents were changed as a result of that, no.

12 BY MR. HAYES:

13 Here's Shiflet. This is from February the 4th, 2016. This is where I was
14 talking the same area and I bring it up rocket and grenade maneuver area. I
15 don't know why they call it rocket and grenade, but it's always been called a
16 maneuver area, and they came up in the RI saying that there were ten people
17 out there 12 hours a day, seven days a week, 365 days a year.

18 BY MR. LIVERMORE:

19 Okay.

20 BY MR. HAYES:

21 And there's not. They're trying to say it's a residential area. It is not.

22 BY MR. LIVERMORE:

23 Okay.

24 BY MR. HAYES:

25 It's over a mile or more from any residential areas.

1 BY MR. LIVERMORE:

2 All right.

3 BY MR. HAYES:

4 And it was never used as a range complex. It was a maneuver area.

5 BY MR. LIVERMORE:

6 So what is your ---

7 BY MR. HAYES:

8 I'm saying all along they're making up names, making up numbers, and it
9 says, "Sounds reasonable from what I remember doing those, yes," Mr. Shiflet
10 said.

11 BY MR. LIVERMORE:

12 Well, that ---

13 BY MR. HAYES:

14 And I said, "Okay," and then it goes on and says, "There's ten people
15 doing this." Shiflet says, "Uh-huh," and it goes on down. Shiflet says, "I
16 understand. I guess I will say I didn't evaluate every single parcel individually
17 within every single area to calculate a real number for every single parcel.
18 There has to be some way to estimate that. If the data are wrong, the good
19 news is they can be revised, and this is where the public feedback is helpful."

20 And I say, "Yeah, this data is wrong."

21 BY MR. LIVERMORE:

22 Okay.

23 BY MR. HAYES:

24 Why didn't they change it?

25 BY MR. LIVERMORE:

1 Okay. Right.

2 BY MR. HERZOG:

3 I remember that argument, but there are certain engineering standards
4 that sort of equate into best guess scenarios.

5 BY MR. LIVERMORE:

6 Well, yeah.

7 BY MR. HERZOG:

8 That are utilized if you see a road and you see a building and you don't
9 see any people, to best guess something ---

10 BY MR. HAYES:

11 But there's no building.

12 BY MR. HERZOG:

13 --- traverse at one time or another.

14 BY MR. HAYES:

15 There's a dirt road.

16 BY MR. HERZOG:

17 Well, I don't know what's out there.

18 BY MR. HAYES:

19 There's no buildings. Well, what are you talking ---

20 BY MR. HERZOG:

21 I mean you can take it --- I mean we're at the point now where we're
22 trying to get something done, and ---

23 BY MR. HAYES:

24 Well, the documents ---

25 BY MR. HERZOG:

1 --- you want to them to ---

2 BY MR. HAYES:

3 --- sent to be ---

4 BY MR. HERZOG:

5 --- dot their X's and O's ---

6 BY MR. HAYES:

7 --- okayed, and they were falsified.

8 BY MR. HERZOG:

9 Well, if you're saying things were falsified, then we'll start all over again.

10 BY MR. LIVERMORE:

11 No, let me ---

12 BY MR. HAYES:

13 I asked for them to be changed, and they didn't change them.

14 BY MR. HERZOG:

15 (Inaudible.)

16 BY MR. LIVERMORE:

17 Can I speak?

18 BY MR. HAYES:

19 Yeah.

20 BY MR. LIVERMORE:

21 Okay. Those numbers that you're mentioning as far as number of people
22 there or how long they're there, those are --- that's part of a risk assessment.
23 So what that is is you have to assume exposure rates, things of that nature,
24 how long is a person --- how old is a person as an adult, as a child. So for
25 comparison purposes, if we did a risk assessment for somebody possibly being

1 exposed to a chemical contaminant, you know, be a kid, how long is he at this
2 site? How much dirt would he possibly eat? So that's what those numbers are
3 for. It's for an exposure assumption to determine --- so you have to assume a
4 person, how long they're there for exposure rates, and that's put into
5 calculations to determine whether it's a potential unacceptable risk or not. Now
6 the recommended outcome for that area, that's not going to change the
7 recommended action for that area. We're still going to recommend public
8 education for that area, and the reason is because of where it's located, the
9 fact that they found a couple of fuses at that site, and so the recommendation
10 moving forward is going to be public education. That's not going to change
11 regardless of whether we said somebody was only there for ten days out of the
12 year as opposed to 80 days out of the year. Because of what was found, the
13 recommendation is still going to be what we're recommending at this point.

14 BY MR. HAYES:

15 Well, there's no risks out there.

16 BY MR. LIVERMORE:

17 And see that's where we may disagree, because they found fuses during
18 the remedial investigation at that site. So that is independent ---

19 BY MR. HAYES:

20 But there's nobody out there. So if nobody is out there, there's no risk.

21 BY MR. LIVERMORE:

22 There's the potential for people to go there. There's potential for
23 trespassers. There's potential for people to be there. I mean because it's not
24 completely fenced. There's no complete restriction of access to the area.

25 BY MR. HAYES:

1 It's private property, and there's no trespassing signs.

2 BY MR. LIVERMORE:

3 Right.

4 BY MR. HAYES:

5 And I don't see that there's going to be any more signs put up.

6 BY MR. LIVERMORE:

7 Okay.

8 BY MR. HAYES:

9 So why spend money for public education when it's not needed?

10 BY MR. LIVERMORE:

11 Well, and you can certainly, if the property owner does not want to have
12 public education for that property, they can certainly deny any activity be done
13 on that property. So for the --- as you can see for the remaining green area,
14 Project 05, public education is recommended for that area. So we're going to
15 have to do public education for that ---

16 BY MR. HAYES:

17 But that's public education is the term that you've also changed that you
18 used to be land use controls.

19 BY MR. LIVERMORE:

20 Correct.

21 BY MR. HAYES:

22 Okay.

23 BY MR. LIVERMORE:

24 Correct.

25 BY MR. HAYES:

1 So you keep changing things.

2 BY MR. LIVERMORE:

3 Well, we changed it because that's the term that you all wanted to see
4 the public wanted to see, because it is a bad connotation. I agree it's a bad
5 term, because it indicates that there is some type of control or restriction that
6 the government is going to put on somebody's property, and we talked about
7 that. So we changed it to public education because that's what it is.

8 BY MR. HAYES:

9 Okay.

10 BY MR. LIVERMORE:

11 It's basically we're trying to inform the public of the potential hazards
12 via brochures, some type of signage. We're not trying to put any controls on
13 anybody's property. We're trying to educate the public of what the potential
14 hazards are there, and so we changed it, like I said, as a result of discussion
15 from the public and the RAB.

16 BY MR. HAYES:

17 Okay. In the March 24, 2016, meeting you say, "The Army doesn't own
18 the property, so we can't force any type of restrictions on the property."

19 BY MR. LIVERMORE:

20 Correct.

21 BY MR. HAYES:

22 "It has to be something that is done with the consent of the property
23 owner, the community. So that is something that we are considering at this
24 time. If the community wanted to see that implemented as part of the cleanup
25 action, then, obviously, we would want to gain concurrence from the community

1 to go forward with that route, but that is not something that we are
2 considering as part of that alternative at this time."

3 BY MR. LIVERMORE:

4 Correct.

5 BY MR. HAYES:

6 And this is talking about implementing some type of land use controls,
7 which now you're calling public education.

8 BY MR. LIVERMORE:

9 Correct.

10 BY MR. HAYES:

11 Okay. You also said in that same meeting, "So even though you might
12 have a MEC item and an exposure pathway, if there are no receptors," which is
13 people, "then there's no risk. So we're talking very specifically about where
14 these three things come together."

15 BY MR. LIVERMORE:

16 Okay.

17 BY MR. HAYES:

18 So the number of people that you all show in the feasibility study is not
19 correct, and I asked to get it corrected before anything was sent to anybody.

20 BY MR. LIVERMORE:

21 Okay.

22 BY MR. HAYES:

23 I mean 43,000 hours of people out there a year is not correct.

24 BY MR. LIVERMORE:

25 Okay.

1 BY MR. HAYES:

2 And it's not a range complex, either.

3 BY MR. LIVERMORE:

4 All right, and ---

5 BY MR. HAYES:

6 So.

7 BY MR. LIVERMORE:

8 And what I'm telling you is that that is an exposure assumption. So it
9 doesn't have to --- it doesn't have to mean that there are restaurants or some
10 type of activity where somebody is on the property. If it is --- if there is not
11 complete restrictive access, then you can have possible trespassers to the area,
12 and so you would have some type of minimal exposure. So the Army, being a
13 responsible party to address any potential issues at the site, we have to at least
14 take some type of action to address that potential hazard; and so because fuses
15 were found there, there is the potential for munitions to be there and the
16 minimal action that we've determined that needs to be taken for that site is
17 public education as a result.

18 BY MR. HERZOG:

19 Are you suggesting that it's something like justifiable overkill, a little
20 more than you have to do and you justify it because it limits the potential
21 exposure to the Army?

22 BY MR. LIVERMORE:

23 Well, I don't know if I would say that.

24 What I'm saying is that there is a potential hazard that's been identified.
25 It was identified in the risk assessment in the remedial investigation going

1 forward, and because there is a hazard that was identified, the, through the
2 CERCLA process, which is, you know the process that EPA has to do for their
3 superfund sites, the Corps of Engineers has to follow for formerly used
4 defense sites as part of that process because we've identified a potential
5 hazard that we have to take some type of action to prevent the potential
6 receptors from being exposed to that hazard.

7 BY MR. HERZOG:

8 You've identified them all, whether there's one person or a hundred
9 people staying on it, ---

10 BY MR. LIVERMORE:

11 Right.

12 BY MR. HERZOG:

13 --- what's the difference.

14 BY MR. LIVERMORE:

15 And that's my point is ---

16 BY MR. HAYES:

17 It's the risk factor ---

18 BY MR. LIVERMORE:

19 Because I ---

20 BY MR. HAYES:

21 --- is the difference.

22 BY MR. LIVERMORE:

23 What I understand what Gary is saying that maybe the ---

24 BY MR. HAYES:

25 Well, it's what you were saying, too.

1 BY MR. LIVERMORE:

2 --- is that it may be --- well, the assumption as far as the number of
3 encounters or the number of the people on the property may have been
4 overestimated, but it only takes one.

5 BY MR. HAYES:

6 Purposefully overestimated.

7 BY MR. LIVERMORE:

8 Well, I don't know. I don't know that. I don't think you can say that.

9 BY MR. HAYES:

10 Well, ---

11 BY MR. LIVERMORE:

12 I mean it ---

13 BY MR. HAYES:

14 --- they didn't talk to the property owners to find out.

15 BY MR. LIVERMORE:

16 I can't ---

17 BY MR. HAYES:

18 They made it up.

19 BY MR. LIVERMORE:

20 I can't tell you that. I wasn't involved with the risk assessment, so I
21 wasn't involved in the remedial investigation.

22 BY MR. HAYES:

23 How is some company being paid three million dollars to make up facts to
24 not talk to the property owners to find the truth out?

25 BY MR. LIVERMORE:

1 But, see, I don't think that that's a fair statement. I don't think they
2 made up facts, Gary. I mean I think they were ---

3 BY MR. HAYES:

4 He told me at the meeting he made up facts.

5 I said, "Did you talk to any property owners about how many people is on
6 their property?"

7 He said, "No." They sat in the office and just made stuff up.

8 BY MR. LIVERMORE:

9 No, he's looking at the properties that are there, the parcels that are
10 within that area, and he's making an assumption based on what he knows that
11 those parcels are used for, what they're zoned for.

12 BY MR. HAYES:

13 Timberland.

14 BY MR. LIVERMORE:

15 Okay. I can't argue with you, because ---

16 BY MR. HAYES:

17 Timberland.

18 BY MR. LIVERMORE:

19 --- I wasn't involved with the risk assessment. All I can tell you is what I
20 think the ---

21 BY MR. HAYES:

22 Well, like I say, he didn't contact the landowners about it.

23 BY MR. LIVERMORE:

24 --- a legitimate decision was made during the risk assessment.

25 BY MR. HAYES:

1 When I said, when I asked him, he said, "Well, if they need to be
2 changed, they can be changed."

3 I said, "Okay. They're wrong. Change them." It's in the minutes.

4 BY MR. LIVERMORE:

5 Okay.

6 BY MR. HAYES:

7 And now I find out they didn't change it. So it's been sent out. The name
8 has been changed to range complex with also a residential area number of
9 people in there. It's all hogwash.

10 BY MR. LIVERMORE:

11 Okay. What would you recommend or have me do moving forward then to
12 address that site?

13 BY MR. HAYES:

14 Correct it.

15 BY MR. LIVERMORE:

16 Okay.

17 BY MR. HAYES:

18 Even if you have to pull the papers back to start all over.

19 BY MR. LIVERMORE:

20 Okay. I'm ---

21 BY MR. HAYES:

22 I mean that's what you did to start with, start all over.

23 BY MR. LIVERMORE:

24 I will certainly look into that then.

25 BY MR. HERZOG:

1 I'm not going to support that. I support going forward.

2 BY MR. HAYES:

3 Shouldn't it be ---

4 BY MR. HERZOG:

5 I support ---

6 BY MR. HAYES:

7 Shouldn't it be corrected?

8 BY MR. HERZOG:

9 --- going forward.

10 BY MR. HAYES:

11 Shouldn't it be correct?

12 BY MR. HERZOG:

13 What?

14 BY MR. HAYES:

15 Why would you send falsified documents?

16 BY MR. HERZOG:

17 I'm not saying anybody is correct or incorrect. I did not follow the
18 investigators all over, up over hill and dale out there. I don't know if you did,
19 but, you know, these are engineers, public companies with good reputations. I'm
20 going to take them to the best of their word, and if they say there's an area out
21 there that could be a risk to somebody, I think it's incumbent upon us and the
22 Corps to pay attention to it and do something about it; and then to stop
23 everything now and go back and recount the number of people out there is
24 insane.

25 BY MR. HAYES:

1 Well, it doesn't take long to count nobody.

2 BY MR. RITTER:

3 Isn't it better to overestimate the risk than to underestimate the risk,
4 though, and is the final result any different by changing the --- I mean ---

5 BY MR. HAYES:

6 Well, since World War II it hasn't changed, and it's not going to change
7 for the next 30 years. The only people that want to overestimate is the people
8 that are going to make money off of it, and there's no need to spend that kind
9 of money when it's not needed.

10 BY MR. HERZOG:

11 Well, somebody found something out there, and I'm not going to look the
12 other way from it.

13 BY MR. HAYES:

14 They found two fuses.

15 BY MR. LIVERMORE:

16 Right, Gary, and ---

17 BY MR. HAYES:

18 And ---

19 BY MR. LIVERMORE:

20 And that's all that ---

21 BY MR. HAYES:

22 And they said it would be no further action, because the fuses were out
23 of place. It was a fluke accident that somebody dropped two fuses. They
24 weren't --- if they were expecting something, they would have made the
25 transects closer together. Those transects were 400 feet apart.

1 BY MR. HERZOG:

2 Okay.

3 BY MR. HAYES:

4 So he had to find two fuses.

5 BY MR. LIVERMORE:

6 I would disagree with you. I don't think anybody ever said that there
7 would be no further action.

8 BY MR. HAYES:

9 It was listed as no further action, then it changed.

10 BY MR. LIVERMORE:

11 Well, for that munitions response site I can certainly look into the
12 decision documents and see if there is anything that we can do as far as
13 revising that. I can't promise you anything at this stage as far as where the
14 decision documents are; and, again, I would reiterate the fact that fuses were
15 found there, and typically any munitions site where we find fuses, you're not
16 going to have a no further action that's recommended.

17 BY MR. HERZOG:

18 Ray, doesn't the Corps always have the flexibility after all these decision
19 documents are done, even after you take a bidding process and such of that
20 nature, to change things in the field, modify it, based on information you get
21 coming forth after the final feasibility study had been done?

22 BY MR. LIVERMORE:

23 So, you are saying, so it's after the feasibility study, so you're saying
24 from a cleanup standpoint, from a remediation standpoint?

25 BY MR. HERZOG:

1 Yeah. If you determine, yeah, well, there's absolutely nothing out there.

2 BY MR. LIVERMORE:

3 Uh-huh (affirmative response).

4 BY MR. HERZOG:

5 And it's not worth putting up signs.

6 BY MR. LIVERMORE:

7 Uh-huh (affirmative response).

8 BY MR. HERZOG:

9 You have that flexibility, don't you?

10 BY MR. LIVERMORE:

11 We could, certainly, but these areas, there's no intrusive work that's
12 planned for these areas. Just public education is planned for these areas.

13 BY MR. HERZOG:

14 Yeah.

15 BY MR. LIVERMORE:

16 So certainly, you know, at these sites where, typically where we
17 recommend some type of public education going forward, you have what's called,
18 because, again, you know, the Department of Defense, you know, government,
19 we're famous for acronyms, so the terminology that they use for these types of
20 environmental sites where there's no further action that's declared are called
21 UU/UE. So it is unlimited use/unrestricted exposure.

22 So basically you clean the site up. You either clean the site up to
23 residential use or you determine if there was no contamination in the first place
24 if it was sufficient for residential use; and so in order to get to UU/UE, you
25 have to have, like I said, one of those type of determinations where you clean it

1 up or you determined during the investigation there's no potential hazard at this
2 site.

3 So because for these sites we're recommending public education, we
4 think there is some potential hazard there; and as part of that process, these
5 sites where we have some type of action going on, we're required every five
6 years to come back and do a five-year review; and so the five-year review, what
7 it is, is we evaluate the site. We evaluate what's the remedial action that was
8 implemented to address the potential hazards, and we determine is that
9 protective of human health; and so that's the process where we would look at
10 and say, we would say, "Are we finding things? Have items been found?" We'd
11 probably be in touch with the local authorities to determine are there items
12 that are being found that would necessitate a change in action where we would
13 actually need to go in and do some type of intrusive cleanup, or the type of
14 action, the public education, is it still needed because we are finding maybe
15 munitions debris, those type of things.

16 So we would come back and we would re-evaluate on a five-year recurring
17 basis.

18 BY MR. HERZOG:

19 I mean you, it's the Corps' call. We don't have any authority over what
20 you're doing anyway.

21 BY MR. LIVERMORE:

22 Well, ---

23 BY MR. HERZOG:

24 You know, I'm just ---

25 BY MR. LIVERMORE:

1 --- the property owners do have authority because they can tell us no.
2 They can tell us to stay off their property, and we can't implement any action.

3 BY MR. HERZOG:

4 Then it is owner beware.

5 BY MR. LIVERMORE:

6 Well, it certainly would be in those instances maybe where we've
7 identified that, yeah, there is potential for munitions to be at these properties.

8 BY MR. HERZOG:

9 Their property for remedial for potential unexploded ordnance ---

10 BY MR. LIVERMORE:

11 Right.

12 BY MR. HERZOG:

13 --- their problem.

14 BY MR. LIVERMORE:

15 Right.

16 BY MR. BEESON:

17 Has there been any ordnance exploded in the last 75 years there?

18 BY MR. LIVERMORE:

19 Seventy-five years?

20 BY MR. BEESON:

21 Well, since the war was over, been anything accidentally explode?

22 BY MR. LIVERMORE:

23 Well, Lieutenant Dyas, I would ask you. You probably have a better --- I
24 mean I've only been on the project for about three or four years, so I don't
25 know as far as the history of the site. I mean you've been working the site.

1 BY LIEUTENANT DYAS:

2 There have been live munitions, but they haven't exploded.

3 BY MR. LIVERMORE:

4 There have been live munitions that have been found, right. Now are you
5 asking whether there's been any accidental explosions?

6 BY MR. BEESON:

7 We're probably the largest landowner there with the exception of the
8 park.

9 BY MR. LIVERMORE:

10 Okay.

11 BY MR. BEESON:

12 We have 200 acres that joins the park.

13 BY MR. HAYES:

14 Tell your name.

15 BY MR. BEESON:

16 John Beeson, Cowford land.

17 BY MR. STORY:

18 He's John Beeson.

19 BY MR. LIVERMORE:

20 Yes, I don't know about accidental. I mean some of the folks maybe on
21 the RAB may be able to answer your questions better than I can.

22 BY MR. BEESON:

23 We've been there for 30 years. We've seen no accidents or anything.

24 BY MR. LIVERMORE:

25 Right.

1 BY MR. HAYES:

2 Don't see anything.

3 BY LIEUTENANT DYAS:

4 Lieutenant Dyas with the Sheriff's Office. There was a man killed
5 ploughing back in the fifties.

6 BY MR. LIVERMORE:

7 Okay.

8 BY LIEUTENANT DYAS:

9 He had hit a mine and it blew up and killed him.

10 BY MR. HAYES:

11 Well, he had it in his back pocket or something, wasn't it?

12 BY LIEUTENANT DYAS:

13 He was on a tractor when he was, he was ploughing up his field and it blew
14 up.

15 BY MR. HAYES:

16 Is that the Littlejohn man?

17 BY LIEUTENANT DYAS:

18 I think it was, yes.

19 BY MR. HAYES:

20 Jessie that came to the meetings.

21 BY LIEUTENANT DYAS:

22 Yes.

23 BY MR. HAYES:

24 I thought he was on the back of the truck and it fell out.

25 BY LIEUTENANT DYAS:

1 Oh, no, no, no, not him. It was a black male, and his family has come to
2 the meetings. His family had the --- the guy that got killed, has come to the
3 meetings.

4 BY MR. LIVERMORE:

5 Okay.

6 I do remember him coming to one of the RAB meetings a couple years
7 ago, yeah. Okay.

8 BY MR. HAYES:

9 Is that who it was, Robin, Jessie? Jessie's father?

10 BY MR. ZIMMERMAN:

11 Jessie's father.

12 BY MR. HAYES:

13 How did you hear it happened? You talked to Jessie, didn't you?

14 BY MR. ZIMMERMAN:

15 Yeah, I talked to him. He picked up a mortar shell and threw it up on the
16 truck and it blew up, killed him and his --- another young African-American
17 male. That did happen. In fact, that was in the Spartanburg --- I think that
18 was in June of 1945.

19 BY MR. LIVERMORE:

20 Okay.

21 BY MR. ZIMMERMAN:

22 The camp hadn't even closed yet when that happened.

23 BY MR. BEESON:

24 When?

25 BY MR. ZIMMERMAN:

1 June of 1945.

2 BY MR. BEESON:

3 '45?

4 BY MR. STORY:

5 That happened at Whitestone, didn't it?

6 BY MR. ZIMMERMAN:

7 Yeah, there was a guy in the fifties that got killed down there, too.

8 BY MR. HAYES:

9 He was on a tractor.

10 BY MR. ZIMMERMAN:

11 He was on a tractor.

12 BY LIEUTENANT DYAS:

13 That's two. I forgot about Jessie's father. I was thinking about the guy
14 ploughing.

15 BY MR. HAYES:

16 Yeah.

17 BY MR. ZIMMERMAN:

18 Yeah, there was a guy ploughing down here and got killed, too.

19 BY COLONEL GOSSETT:

20 But did that happen over at Whitestone in the peach orchard?

21 BY MR. ZIMMERMAN:

22 Yeah.

23 BY MR. LIVERMORE:

24 Okay.

25 BY MR. HERZOG:

1 I've got a couple of questions when you got ---

2 BY COLONEL GOSSETT:

3 It was a 60 millimeter mortar is what it was, Ray.

4 BY MR. LIVERMORE:

5 Okay. Yeah.

6 BY LIEUTENANT DYAS:

7 If I may, Lieutenant Dyas from the sheriff's office, again. Sitting back
8 here listening, we've got two different thought processes going and you've been
9 debating it, and you all follow *Robert's Rule of Order*, I say you put it to motion
10 and through the motion decide which way you want to go with this thing instead
11 of going through everything. As a group up there, throw it, put it in a motion
12 how you want to do it. See if you can pass that way. You all follow *Robert's*
13 *Rules of Order*, so it sounds like probably the best plan to go so you can decide
14 which way you're going to go with this thing, because there's two different
15 distinctive different thought processes going on right there. That way you can
16 at least --- at least you can decide which way you want to go to move forward
17 with it.

18 BY COLONEL GOSSETT:

19 Let me, the thing about not moving forward, none of us will be living when
20 it comes around again. So we're going to move forward, or we're going to leave
21 it to our grandkids.

22 BY MR. LIVERMORE:

23 Well, I'll say this, Gary, as I mentioned before, because the items that
24 were found at that area, there is --- it is very unlikely that I would be able to
25 convince any of the individuals within the Corps of Engineers that would have

1 the authority to be able to say, "We are going to recommend no further action
2 for that property." I disagree with you. I don't, we could look through the
3 meeting minutes, but I disagree with you. I don't think that we were ever
4 recommending no further action for that property, and I don't think we would
5 because of, again, fuses that were found in that area. I would go back to the
6 fact that you can certainly, the property owner can certainly deny us any access
7 to the property to implement any remedial action. So the property owner
8 certainly has that capability. "I don't want you. I don't want you to access my
9 property. I don't want you to put up any signs. I don't want you to do anything,"
10 and so that is certainly a right of the property owner. I think it would be --- I
11 think it would just delay the process as far as trying to get these decision
12 documents to address the remaining area and the outcome will still be the same,
13 because the Corps of Engineers is still going to recommend a minimal action of
14 public education for that area.

15 BY MR. HAYES:

16 Well, the way it was explained to me was it wasn't expected to be out
17 there. There was a mess kit found right next to it. They thought that
18 somebody probably spent the night there. The mess kit probably fell out of
19 their pack. The fuses probably fell out of their pack, and it wasn't supposed to
20 be there to start with. It was a fluke accident.

21 BY MR. LIVERMORE:

22 Right, and I understand that, and I can tell you on a lot of these sites we
23 find stuff that shouldn't be, but it is in those areas, and that's --- I mean, the
24 Colonel could probably tell you, and that's --- you know, that's what we have to
25 deal with and because that is the potential scenario, we don't know what else is

1 out there, you know, because those two fuses were there, that doesn't mean
2 that there's not something else that we may find that's not supposed to be
3 there either, and so that's why the public education is recommended for that
4 area.

5 BY MR. HAYES:

6 But when you say it's a range area, ---

7 BY MR. LIVERMORE:

8 Well, I agree with you that ---

9 BY MR. HAYES:

10 And you say there's 43,000 man hours a year on the property, I can see
11 why they would recommend land use controls, but when there's hardly anybody
12 out there and there's hardly any MEC out there, I don't see any risks.

13 BY MR. RITTER:

14 Can I ask a quick question? Since Project 3 is multiple areas, since there
15 is the one that's down here that we're talking about that now says range
16 complex, and then there's the other areas up here, ---

17 BY MR. LIVERMORE:

18 Right.

19 BY MR. RITTER:

20 Is that 43,000 man hours just the one that's down here or is that the
21 total for the whole project?

22 BY MR. LIVERMORE:

23 I don't know, Tim. I'd have to look back at the risk assessment. Yeah,
24 like I said, I wasn't involved when we did the remedial investigation. That was
25 prior to my coming onto the team, so I ---

1 BY MR. RITTER:

2 Because this says, "Golf course" here under Project 3.

3 BY MR. HAYES:

4 That was for the ---

5 BY MR. RITTER:

6 That's Project 3, and that's Project 3, and it says, "Golf course" here. So
7 could that be where the ---

8 BY MR. HAYES:

9 No. No, that was for the rocket grenade maneuver area, what it used to
10 be called. Rocket area.

11 BY MR. RITTER:

12 Oh, right.

13 BY MR. HAYES:

14 Rocket grenade maneuver area.

15 BY MR. RITTER:

16 I'm sorry. I thought that's the area you were referring to.

17 BY MR. HAYES:

18 That's what I'm referring to, but it's got a different name.

19 BY MR. RITTER:

20 Oh, and they added that to these other areas up here later, but they're
21 all together under Project 3 now.

22 BY MR. LIVERMORE:

23 Right.

24 BY MR. RITTER:

25 So it would take the man hours ---

1 BY MR. HAYES:

2 You see where there's two 3's on there, they were ---

3 BY MR. RITTER:

4 Oh, it's split.

5 BY MR. HAYES:

6 Yeah.

7 BY MR. RITTER:

8 Before. Okay.

9 BY MR. HAYES:

10 Yeah. So that was --- the man hours was not a golf course.

11 BY MR. RITTER:

12 So the man hours is just this area down here that was referring to, not
13 here or up there?

14 BY MR. HAYES:

15 For 43,000 for a year, 43,000 man hours a year.

16 BY MR. RITTER:

17 Okay.

18 BY MR. HAYES:

19 I'm representing the public, and the landowners asked me to bring this
20 up. They're not happy with it.

21 BY MR. LIVERMORE:

22 Okay.

23 BY MR. HAYES:

24 They told me if it's wrong, it will be corrected. So, like I said, it wasn't
25 corrected. I volunteer my time. I did it on my own time. I didn't get paid, like

1 you or Suzy get paid to do your work. The people that did the report got paid
2 to do the work but they falsified information. They didn't contact the
3 landowners. They put the county administrator in the document without
4 contacting the county administrator. They did all kind of stuff without
5 verifying what they were putting in, and, like Gossett said, it's going down to
6 whoever inherits the property or buys the property, and the landowners just
7 don't think it is right. They cooperate. People who do --- don't give right of
8 entry is scot-free. You know, they don't have all this on their property.

9 There's lines where you did investigation right up to people's property
10 where you found the stuff right up people's property line, and they don't give
11 right of entry and nothing is happening on their property. They don't --- there's
12 not public education. They're not pointed out to the public that something's
13 wrong with their property.

14 BY MR. LIVERMORE:

15 That's not true.

16 BY MR. HAYES:

17 Well, ---

18 BY MR. LIVERMORE:

19 They extrapolated the data. So areas where we didn't have access, they
20 extrapolate the data so they had data on this side of the property and that
21 side of the property. We extrapolated where we assume the contamination
22 would be.

23 BY MR. HAYES:

24 Okay. Are they getting land use controls on their property?

25 BY MR. LIVERMORE:

1 Well, it depends on what was found. If there were munitions that were
2 found just outside their property, then they're probably getting some type of
3 intrusive cleanup is what's recommended for their property.

4 BY MR. HAYES:

5 Is it listed in this paperwork?

6 BY MR. LIVERMORE:

7 I don't know what properties you're talking about. I have to look at the
8 properties and where they fall in regards to the boundaries and the ---

9 BY MR. HAYES:

10 I'm just talking about ---

11 BY MR. LIVERMORE:

12 --- process.

13 BY MR. HAYES:

14 --- the property in general that wasn't given right of entry to the Corps
15 of Engineers.

16 BY MR. LIVERMORE:

17 And I'm telling you what the result was. If they didn't give us access and
18 we characterized up to this boundary of their property and on the other side of
19 the boundary of their property, depending on what was found, we extrapolated
20 through their property. If the area to the west of their property was
21 recommended for public education, then, yeah, it probably would have been
22 recommended for public education. If advanced classification was
23 recommended for the property on the west of their property, then, yeah,
24 probably a portion of their property is recommended for advanced
25 classification.

1 BY MR. HAYES:

2 Is properties that didn't give right of entry on this map?

3 BY MR. LIVERMORE:

4 I don't know. Oh, are they on this map?

5 BY MR. HAYES:

6 Yeah.

7 BY MR. LIVERMORE:

8 No, they're not shown on this map. No.

9 BY MR. HAYES:

10 Okay.

11 BY MR. LIVERMORE:

12 Yeah. I'm sure we have a figure in the report that --- do we have a
13 figure?

14 Yeah, there's a figure in the report that shows where ---

15 BY MR. HAYES:

16 Okay. So is there anything in the report --- anything like that been
17 reported to the RAB?

18 BY MR. LIVERMORE:

19 For? Reported ---

20 BY MR. HAYES:

21 I haven't seen any slides of any --- talking about anything on property
22 that hasn't had right of entry.

23 BY MS. CANTOR-MCKINNEY:

24 It's in the RI presentation.

25 BY MR. LIVERMORE:

1 I was just going to say I'm sure we presented a figure during the
2 presentation of the RI ---

3 BY MR. HAYES:

4 Yeah.

5 BY MR. LIVERMORE:

6 --- that illustrated where we were denied access.

7 For example, this project, Project 13, we were denied access to that
8 project, so what's recommended for that project moving forward is basically
9 remedial investigation, because we weren't able to do any --- we didn't get
10 access to that property.

11 BY MR. HAYES:

12 So you recommended what?

13 BY MR. LIVERMORE:

14 An investigation on that property, because we weren't able to get access
15 to it. So we weren't able to do the initial investigation on Project 13. So we've
16 recommended a remedial investigation, basically going back to the investigation
17 for that parcel, because we don't know anything about that parcel. We weren't
18 able to get access to it, and we don't have any --- we don't have anything in as
19 far as the surrounding area that tells us anything about it, but we have
20 historical information that indicates there's a potential for something to be on
21 that parcel.

22 BY COLONEL GOSSETT:

23 Ray, on this public education, are you talking about signs or ---

24 BY MR. LIVERMORE:

25 Could be. It could be signs. It could be brochures. Obviously, signs.

1 You know, we're not going to be able to put any signs on anybody's
2 property. So it would be a thing probably like the state park, that type of area,
3 areas maybe where we don't do some type of cleanup. Maybe on right-of-ways,
4 like DOT right-of-ways, something like that. That would be the extent of
5 signage.

6 BY MR. HAYES:

7 Well, if it's a dirt road, and the property owner owns the dirt road.

8 BY MR. LIVERMORE:

9 We're not going to be able to put a sign along there. Yeah, like I said, we
10 cannot force a property owner to allow us to do anything on their property.
11 They would have to consent.

12 BY COLONEL GOSSETT:

13 It'd make good target practice.

14 BY MR. LIVERMORE:

15 Well, I've seen that on --- I've seen that on some of my other projects,
16 as well.

17 BY MR. HAYES:

18 Well, how, why do you need to get paid money to do something you can't
19 do?

20 BY MR. LIVERMORE:

21 We don't get paid money to not do anything. I'm not sure of the question.

22 BY MR. HAYES:

23 Well, if you can't have permission from the landowner to put signs up, why
24 do you need money from the government?

25 BY MR. LIVERMORE:

1 Well, we'd still have the public education piece, I mean, brochures, things
2 of that nature. As far as, you know, getting brochures out in the park, out
3 different businesses where people may frequent, that type of thing, to basically
4 get the information out to the public that, as far as the history of the site,
5 "There is the potential for munitions here, and here's what you do if you
6 encounter something that looks suspicious."

7 BY MR. HAYES:

8 Well, we've already got that, don't we? The brochures?

9 BY MR. LIVERMORE:

10 Not that I'm aware of.

11 BY MR. HAYES:

12 Suzy, we've got brochures? You ---

13 BY MS. CANTOR-MCKINNEY:

14 The park has brochures, yes, but as part of the remedial action, the
15 alternative for ---

16 BY MR. LIVERMORE:

17 Project 5, which is the remaining land, so Project ---

18 BY MS. CANTOR-MCKINNEY:

19 Right. 3 and 5. Well, right.

20 BY MR. HAYES:

21 So you're going to make maps and show everybody property that ---

22 BY MS. CANTOR-MCKINNEY:

23 No, no one will get individual property maps, but the information that
24 would be presented to mailings, to everyone that holds property, leases
25 property, owns property, they may get a brochure that, as Ray said, has the

1 history, what the camp was used for, the types of activities that occurred, and
2 "If you find something suspect while you're working in your yard, if you're out
3 hiking in the park, don't touch it. These are the things to do to be safe." So
4 those could go out in more wide broad brush than just to the park, which is
5 right now who has the brochures.

6 BY MR. HAYES:

7 We already put brochures out.

8 We went around the churches put them out. Put them out at stores
9 around the area.

10 BY MS. CANTOR-MCKINNEY:

11 That was probably, what, seven, eight years ago? So, that's been a while.

12 BY MR. LIVERMORE:

13 So those would be replenished, because those are probably gone. So
14 that's what this effort does. It establishes the authority. First, the authority
15 to be able to do it, we had to have approval to be able to do any of it, and then
16 it gives us funding to be able to replenish those, because we --- you know, those
17 are probably gone. They have to be reproduced. So there's --- you know, we're
18 not talking about, you know, millions of dollars. This is a small amount to be able
19 to reproduce these brochures on a, you know, whatever annual basis or
20 whatever. Again, we come back every five years and evaluate: Is this working?
21 Is this not working? Is there something that needs to be changed to make it
22 protective of human health?

23 BY MS. CANTOR-MCKINNEY:

24 And if there's a surplus of brochures from one year to the next, then
25 there's no need to reproduce them ---

1 BY MR. LIVERMORE:

2 Right.

3 BY MS. CANTOR-MCKINNEY:

4 --- and to spend money.

5 BY MR. LIVERMORE:

6 Right. Yeah.

7 BY MS. CANTOR-MCKINNEY:

8 So the money may be appropriated, but that doesn't mean that it will
9 necessarily all be ---

10 BY MR. LIVERMORE:

11 Be spent.

12 BY MS. CANTOR-MCKINNEY:

13 --- expended.

14 BY MR. LIVERMORE:

15 Right.

16 BY MS. CANTOR-MCKINNEY:

17 This allows for public meetings. If the RAB is maintained or not, but
18 there's opportunities for public meetings. That funding supports public
19 meetings. It supports the five-year reviews that Ray was also talking about.

20 BY MR. LIVERMORE:

21 Right.

22 BY MS. CANTOR-MCKINNEY:

23 And the cost estimates are truly cost estimates based on what the
24 contractor was aware of based on what was found, the feasibility assessment,
25 the risk assessment, and there's contingency in there. There's funding. This

1 includes Corps of Engineers funding, potential contractor funding, other direct
2 costs. They're all taken into account, and it also has a plus/minus 30/50
3 percent in there. Again, it's cost estimate.

4 BY MR. LIVERMORE:

5 And that's required by CERCLA.

6 BY MS. CANTOR-MCKINNEY:

7 And that's required by ---

8 BY MR. LIVERMORE:

9 CERCLA basically requires it.

10 BY MS. CANTOR-MCKINNEY:

11 Right. It's a regulatory requirement to have that estimate be kind of
12 that broad.

13 BY MR. LIVERMORE:

14 Right.

15 BY MS. CANTOR-MCKINNEY:

16 And then when the funding is appropriated and the Corps of Engineers
17 goes out to solicit contracts and proposals, those then are tightened up based
18 on the historical data or the evaluation of the site, not a full site
19 characterization, ---

20 BY MR. LIVERMORE:

21 Sure.

22 BY MS. CANTOR-MCKINNEY:

23 --- but the contractor's expectations and the Corps' expectations of what
24 actions need to be done, and then that funding is tighter.

25 BY MR. LIVERMORE:

1 Yeah.

2 Well, and we had to, to piggy back on that, Suzy, the Corps of Engineers
3 every year we have to submit cost estimates that are reported up to Congress,
4 basically an estimate of what we envision for the project through closure of the
5 project what is needed.

6 So, obviously, every year we gain more information on the project and can
7 refine those estimates based on what we know moving forward.

8 BY MR. HAYES:

9 I know Dr. McClure asked for a GIS of those fuses. Do you know if you
10 all got those to him or not?

11 BY MR. LIVERMORE:

12 GIS as in like a coordinates or ---

13 BY MR. HAYES:

14 Coordinates of where it was found.

15 BY MR. LIVERMORE:

16 I don't know if we got that, but I can certainly ---

17 BY MR. HAYES:

18 It was right on a transect.

19 BY MR. LIVERMORE:

20 I don't know if ---

21 BY MS. CANTOR-MCKINNEY:

22 I don't know about that.

23 BY MR. LIVERMORE:

24 Okay.

25 BY MS. CANTOR-MCKINNEY:

1 That was several years ago he asked for that, and I thought we had
2 responded.

3 BY MR. LIVERMORE:

4 If not, we can certainly look into it.

5 BY COLONEL GOSSETT:

6 I have a question. On the projection you're talking about for some of
7 these early starting, like Project 6 is going on now, going down one foot, two
8 feet, is that using some type of a radar to find something to dig down or is that
9 just every inch of land being moved down that much?

10 BY MR. LIVERMORE:

11 That is --- well, it's not every inch of land. What will be done is advanced
12 classification, and, like I said, it's a --- you know, it's a device. It's probably
13 maybe the size of one of these tables, and what they do is they run transects.
14 Basically, they set up transects the width of the item, they'll run back and
15 forth, and it gives, like I said, for any item that's in the subsurface that is
16 going to give up some type of magnetic response signature, it's going to give an
17 idea or it will give an electromagnetic signature from these three sensors. It's
18 basically a three-dimensional sensors, and so what they'll do is they'll compare
19 that to a library where we've done research and we know what the signatures
20 are for, say, you know, 105 millimeter, a mortar, and so they can say with
21 confidence, yeah, this item, you know, it's a 60 millimeter mortar. This item, it's
22 not cylindrical. It's, you know, most likely some type of cultural debris, and so
23 that will allow the geologists that are looking at the data to say, "Items one
24 through 20 are possible munitions," and so those are the items that they'll come
25 out and excavate; and so we won't have to dig or turn every --- every inch of

1 soil, but the detection capability of the equipment is, you know, two feet or
2 below. It's basically --- most of this equipment is they can detect below those
3 two feet, so it's below what, you know, what we've identified on there; and if we
4 see something that looks like an ordnance item that's at, say, you know, three
5 feet or something like that, you know, just because it says two feet, we're not
6 going to leave it in the ground. We're going to excavate the item. So, yeah,
7 we're not turning every inch of dirt. We are identifying potential munitions
8 based on the technology, and then we'll come back and we'll excavate those
9 items.

10 BY COLONEL GOSSETT:

11 But if you found an M1 shell casing, that doesn't mean you'd be digging
12 that M1 shell casing up. You're going by the size of it?

13 BY MR. LIVERMORE:

14 Well, no. I mean if it gives off any type of signature that it's a potential
15 munitions item, then we're going to excavate it.

16 BY COLONEL GOSSETT:

17 Even if it's an M1 shell casing?

18 BY MR. LIVERMORE:

19 What's M1? I mean that's my ignorance as far as ---

20 BY COLONEL GOSSETT:

21 M1 rifle is what was used.

22 BY MR. LIVERMORE:

23 Yeah. I mean, so small arms ammunition. Anything ---

24 BY COLONEL GOSSETT:

25 Yeah.

1 BY MR. LIVERMORE:

2 The DOD classifies anything that's 50 calibers or less as far as --- as
3 small arms, and so those are not considered hazard from an explosive
4 standpoint. So, yes, those items would not be excavated. It's part of the
5 remedial investigation to address the potential hazards with small arms.
6 Typically, the hazard with small arms, at least what we see like range, you know,
7 like a pistol range or rifle range, is metal contamination, lead contamination. So
8 as part of the remedial investigation to evaluate that hazard, we collected soil
9 samples throughout the site by those locations towards where we had potential
10 munitions or small arms and determined that there wasn't an issue from the soil
11 perspective.

12 So, yeah, the short answer, yes, we would not. We would not excavate
13 those items.

14 BY COLONEL GOSSETT:

15 If we started digging up lead, we'd dig up all of John's land.

16 BY LIEUTENANT DYAS:

17 Picking up on ---

18 BY MR. LIVERMORE:

19 Yeah.

20 BY LIEUTENANT DYAS:

21 --- what the Colonel said, if it was, and this has happened before when
22 they did a dump, they dumped a lot of the small munitions in one big pile, and
23 they come across that, ---

24 BY MR. LIVERMORE:

25 Yeah.

1 BY LIEUTENANT DYAS:

2 --- that could be a little bit different.

3 BY MR. LIVERMORE:

4 Well, and I agree. I agree, because that makes it difficult for the --- if
5 you have an area that has such a dense signature, it would probably be difficult
6 for the equipment to discern, yeah, to discern whether it had munition items.
7 So most likely we would have to probably do some type of exploratory
8 excavation, and, you know, once they uncovered it, they see, yeah, this is a
9 disposable of small arms, so, yeah, so most likely we would not, I would imagine,
10 we would not excavate the entire area. We would probably get rid of what
11 debris that we had excavated or uncovered at that point, but, again, that's
12 probably just my --- my guess on what --- you know, what would transpire at
13 that point.

14 BY MR. HAYES:

15 Which one of these on this map is Dr. Lowry's property?

16 BY MR. LIVERMORE:

17 I think it's the 105 millimeter area. Yeah.

18 BY MR. HAYES:

19 So you're going to go back in there and clean his up, again?

20 BY MR. LIVERMORE:

21 That's what the recommendation is, yeah, and, again, I --- you know,
22 because I don't have the history that you guys do on this project, my
23 understanding is that there have been 105, I mean, live, live projectiles have
24 been found on that, right? Yes.

25 BY MR. HAYES:

1 Well, they went in and they even sifted the dirt in there.

2 BY MS. CANTOR-MCKINNEY:

3 In a small percentage of the area.

4 BY MR. LIVERMORE:

5 They're very dense from what I understand, right, the density as far as
6 the area.

7 BY MR. HAYES:

8 And then a large group of it was a landfill.

9 BY MR. LIVERMORE:

10 Okay. Yeah.

11 BY COLONEL GOSSETT:

12 There were 105 fired from Whitestone.

13 BY MR. LIVERMORE:

14 Okay.

15 BY COLONEL GOSSETT:

16 Dairy Ridge Road right there.

17 BY MR. LIVERMORE:

18 So, again, Gary, ---

19 BY MR. HAYES:

20 That's where we're talking about down 176.

21 BY COLONEL GOSSETT:

22 Yeah.

23 BY MR. LIVERMORE:

24 So, again, Gary, because there have been confirmed discoveries of
25 unexploded ordnance in that area, that is the recommendation because there is

1 potential hazard for that, and you have, you know, one receptor that may
2 encounter that area, we have to recommend some type of intrusive work to be
3 able to address that hazard.

4 BY COLONEL GOSSETT:

5 Well, just like that round he was talking about that wound up in the peach
6 orchard in Whitestone, that's well outside span. A German prisoner is the one
7 that picked it up and threw it in back of a truck. He jumped up there with him,
8 and anybody that's been in the service knows that they shut a range down when
9 it goes outside the span.

10 Well, down here in that corner where the 105s are, it was probably close
11 five years they fired them almost every day.

12 BY MR. LIVERMORE:

13 Yes, from what I understand.

14 BY COLONEL GOSSETT:

15 And one of the doctors that was a radiologist here in Spartanburg bought
16 a piece of property down there and was very upset about it, because he started
17 clearing up some of the property and people doing it got off of it because they
18 were pushing up more ammo. That's probably in the sixties, early sixties. I
19 think he tried to file a lawsuit or something and nobody would take it, but, yeah,
20 there's plenty out there. I don't remember his name.

21 I know we got a couple calls and everybody wanted to stay away from him.
22 I could --- back then they wanted it to be done what is been in the process for
23 the last couple years here.

24 BY MR. HERZOG:

25 Can I ask a question ---

1 BY MR. LIVERMORE:

2 Go ahead, Jim.

3 BY MR. HERZOG:

4 --- on the decision documents?

5 BY MR. LIVERMORE:

6 Yes.

7 BY MR. HERZOG:

8 The decision document had children and became eight, correct?

9 BY MR. LIVERMORE:

10 Decision document ---

11 BY MR. HERZOG:

12 Now there's eight decision documents?

13 BY MR. LIVERMORE:

14 Correct.

15 BY MR. HERZOG:

16 Under review in Savannah.

17 BY MR. LIVERMORE:

18 Correct.

19 BY MR. HERZOG:

20 I would have been more pleased if a representative from Savannah was
21 here tonight.

22 BY MR. LIVERMORE:

23 I understand.

24 BY MR. HERZOG:

25 The classic case of a deep state bureaucracy.

1 I was a part of the deep city bureaucracy, so I understand. It's just
2 magnified. It's been agonizing for the past three years since the final
3 feasibility study was done to get to this point where maybe something good can
4 happen out at Camp Croft.

5 Now you did say that the first, Project O5.

6 BY MR. LIVERMORE:

7 I believe it's Project O5.

8 BY MR. HERZOG:

9 Everything has been reviewed in Savannah.

10 BY MR. LIVERMORE:

11 That's at the ---

12 BY MR. HERZOG:

13 And transmitted to Atlanta.

14 BY MR. LIVERMORE:

15 At the division in Atlanta, correct.

16 BY MR. HERZOG:

17 And it will sit there until dollars are available.

18 BY MR. LIVERMORE:

19 Well, ---

20 BY MR. HERZOG:

21 Now ---

22 BY MR. LIVERMORE:

23 --- it has to be signed, you know, and that's what the goal is, and I think
24 we've talked about this, Jim, for --- you know, for the information for the RAB
25 members and everybody else here, you know, the process is to get the decision

1 documents signed. Once we get them signed, we have the authority to be able
2 to implement the remedy that we've identified. So, you know, the issue that you
3 and I have discussed several times is funding. What is the funding outlook to
4 actually be able to implement these remedies? So, my goal, obviously, is to get
5 the decision documents signed at this point. Beyond that, we have no control.

6 BY MR. HERZOG:

7 Well, you said they, in Savannah, they anticipated finalizing the other
8 seven decision documents by next week?

9 BY MR. LIVERMORE:

10 Next week. That's what I've been told, yeah. So they should be
11 transmitted to division for signature, and as I mentioned ---

12 BY MR. HERZOG:

13 Now once it goes for signature, meaning that everybody is reviewing, then
14 they've got to ship ---

15 BY MR. LIVERMORE:

16 In Savannah. Everybody is reviewing it in Savannah, and ---

17 BY MR. HERZOG:

18 And they have to send two of them to Pentagon.

19 BY MR. LIVERMORE:

20 Correct.

21 So the projects that would have to be submitted to headquarters Corps
22 of Engineers, and, again, because I mentioned above five million has to go to
23 headquarters, is Project 10, the 105 millimeter area we were just talking about,
24 and the other one would be the Croft State Park, Project 07.

25 BY MR. HERZOG:

1 Well, in your experience how long does it take headquarters to review
2 those things?

3 BY MR. LIVERMORE:

4 I'm trying to think of the most recent one that we had done that went to
5 headquarters. I would guess we are probably looking at, at least, at least three
6 months for them to look at it and approve it.

7 BY MR. HERZOG:

8 Three months?

9 BY MR. LIVERMORE:

10 That's a minimum.

11 BY MR. HERZOG:

12 How many people have to look at this?

13 BY MR. LIVERMORE:

14 Well, you certainly have, you know, the attorneys have to look at
15 everything, and you know that. Obviously, in any entity you're going to have
16 attorneys involved and they have to look at it.

17 Now there are other folks, obviously. You have program managers. So,
18 for instance, for the Formerly Used Defense Site Program, once it gets to the
19 headquarters level, you've got a program manager that is going to look at the
20 documents, as well.

21 Now whether there are any other individuals, I do not know.

22 BY MR. HERZOG:

23 Okay.

24 BY MR. LIVERMORE:

25 But the office that certainly has to sign off on it is the office of counsel.

1 The attorneys are going to have to sign off on it for --- before the
2 commanding officer would actually sign the documents.

3 BY MR. HERZOG:

4 So those documents, those other seven decision documents go to
5 Atlanta?

6 BY MR. LIVERMORE:

7 Correct.

8 BY MR. HERZOG:

9 Do they have to be processed further in Atlanta?

10 BY MR. LIVERMORE:

11 Yeah, and you're going to have the same bureaucracy, the same process.
12 There is most likely going to be an attorney there at the division that's going ---
13 now he may be --- most likely he's probably in communication with the Savannah
14 District attorney, so I don't know. That process may be expedited as a result
15 of that. You have a FUDS program manager. Obviously, you've talked with Chip.
16 He's the program manager. So he ---

17 BY MR. HERZOG:

18 Correct.

19 BY MR. LIVERMORE:

20 So he would have to look at the documents, as well. So those are
21 probably the two main players, I would think, as far as individuals that have to
22 approve that document prior to the commanding general there to sign it.

23 BY MR. HERZOG:

24 Prior to even going to headquarters?

25 BY MR. LIVERMORE:

1 Correct.

2 BY MR. HERZOG:

3 For yet another ---

4 BY MR. LIVERMORE:

5 For those two that had to go to headquarters, correct.

6 BY MR. HERZOG:

7 For another potentially ---

8 BY MR. LIVERMORE:

9 Right.

10 BY MR. HERZOG:

11 --- for review?

12 BY MR. LIVERMORE:

13 Right.

14 BY MR. HAYES:

15 Well, bottom line, when ---

16 BY MR. HERZOG:

17 Which is nuts.

18 BY MR. LIVERMORE:

19 I could not argue with you.

20 BY MR. HAYES:

21 The bottom line is when would work be able to get started on the state
22 park?

23 BY MR. LIVERMORE:

24 Well, and that's sort of the question or the issue that Jim and I are
25 talking about.

1 BY MR. HERZOG:

2 The Army doesn't move without money.

3 BY MR. LIVERMORE:

4 It's a funding --- it's the funding. Yeah, and so we can't do anything
5 without funding, and so there ---

6 BY MR. HERZOG:

7 Their budget process is probably a couple of years.

8 BY MR. LIVERMORE:

9 And I can't tell you, that's, you know, as far as funding. That really comes
10 from our division office as far as what funding is going to be allotted for
11 individual projects in the next fiscal year. Obviously, you know, we're getting
12 closer to FY '19, but I don't have the information to tell you what funding, if
13 anything, is allotted for Camp Croft; and so once the decision documents are
14 signed, that gives us the authority, obviously, to implement, so we may have a
15 better picture once they're actually signed as far as funding that may be
16 available for the projects moving forward, but certainly before FY '19 we're not
17 going to have any, you know, any funding availability to do anything.

18 BY MR. HAYES:

19 I know Tim and Woody would like to get some trails opened up.

20 BY MR. LIVERMORE:

21 Well, and ---

22 BY MR. HAYES:

23 And get some clearances.

24 BY MR. LIVERMORE:

25 And we've talked about that.

1 You know, we certainly had the RAB look at the different munitions
2 response sites and give us feedback on priorities. So that's certainly something
3 that I've taken into account and where I would like to, obviously, follow what
4 the RAB's recommendations are. You know, so you all had identified the state
5 park as the number one munitions response site, and certainly that will be what
6 I will push as well to award contract as far as the initial contract to implement
7 the remedial action,

8 BY MR. HERZOG:

9 How do you pronounce the chief engineer's name? Semonite?

10 BY MR. LIVERMORE:

11 Semonite.

12 BY MR. HERZOG:

13 Semonite?

14 BY MR. LIVERMORE:

15 Semonite.

16 BY MR. HERZOG:

17 Okay.

18 BY MR. LIVERMORE:

19 And so for those of you not aware, he's talking about ---

20 BY MR. HERZOG:

21 I've got his phone number, too.

22 BY MR. LIVERMORE:

23 The chief of engineers, the Corps of Engineers up at headquarters in D.C.

24 BY MR. HERZOG:

25 Yeah.

1 BY MR. LIVERMORE:

2 Yeah, and so a little background, he actually used to be the division head
3 commander at SAD, at South Atlantic Division, so.

4 BY MR. HERZOG:

5 At where?

6 BY MR. LIVERMORE:

7 At South Atlantic Division in Atlanta.

8 BY MR. HERZOG:

9 So he knows where Camp Croft is?

10 BY MR. LIVERMORE:

11 Well, I'm not saying that.

12 BY MR. HERZOG:

13 He should.

14 BY MR. LIVERMORE:

15 Maybe we'll get him educated once we get the documents up there, so.

16 BY MR. HERZOG:

17 Well, if I've got to send somebody a letter, I'm going to write up to the
18 chain of command all the way up to the one guy I know personally.

19 BY MR. LIVERMORE:

20 Well, we've talked, and you're certainly --- you're certainly welcome to do
21 that. That's something I, being a government employee, cannot do, so.

22 BY MR. HERZOG:

23 Probably 18 years ago he was not a fan of Herzog, but that's the way it
24 goes.

25 I --- they gave you that commitment, and you gave that to us.

1 BY MR. LIVERMORE:

2 You're talking about as far as the decision documents going to the division
3 next week?

4 BY MR. HERZOG:

5 Coming out of Savannah. Coming out of Savannah.

6 BY MR. LIVERMORE:

7 Yeah. That's the information I was told, so yeah.

8 BY MR. HERZOG:

9 Who's feet do I hold to the fire?

10 BY MR. LIVERMORE:

11 Well, you can certainly ---

12 BY MR. HERZOG:

13 Yours?

14 BY MR. LIVERMORE:

15 You can certainly call me. I'm sure --- I'm sure I'm number one on your
16 list to if that changes, and I will pass it up the line. If I get any different
17 information, I'll certainly give it to you.

18 BY MR. HERZOG:

19 It's just Savannah has been involved in this since day one, what, 25 years
20 ago? I mean, since I first got on the board six or seven years ago, Gary was
21 here, and we've gotten to the point where it was slowly this morphs into this
22 final feasibility study developed into a decision document, and like Jimmy
23 Durante says, "Everybody wants to get into the act." You know, it's halfway to
24 the Pacific. It goes from here to here to here, and it doesn't seem like
25 everybody gets it at the same time, reviews it at the same time, somebody

1 reviews it here and it goes over here for review. I just do not understand why
2 it can't be done simultaneously, which I understand is a military process for
3 doing things, right, Colonel?

4 BY COLONEL GOSSETT:

5 Yes.

6 BY MR. HERZOG:

7 And it does not move quickly.

8 BY MR. LIVERMORE:

9 I --- I ---

10 BY MR. HERZOG:

11 It took less than 15 months to build the Empire State Building.

12 BY MR. HAYES:

13 Well, I've ---

14 BY MR. HERZOG:

15 D Day to the surrender of France was what, 11 months?

16 BY COLONEL GOSSETT:

17 Yeah.

18 BY MR. HAYES:

19 Well, I've been involved since '95, '96, and it was supposed to last about
20 ten years, and it's been continuing on, and now it's drawn out for more than 30
21 years.

22 BY MR. HERZOG:

23 Yeah.

24 BY MR. HAYES:

25 And it's just not coming to an end.

1 So, I mean, we thought we were getting close to the end, and then it
2 started all back over when they did the feasibility study.

3 BY MR. HERZOG:

4 Yeah.

5 BY MR. HAYES:

6 The new feasibility study.

7 BY MR. HERZOG:

8 Well, we are where we are. We can see light at the tunnel. We've just
9 got to make sure that that light is not a freight train coming at us.

10 BY MR. LIVERMORE:

11 I hear you, Jim.

12 I --- you know, heck, I work in the middle of the bureaucracy. It's a pain.

13 BY MR. HERZOG:

14 (Inaudible.)

15 BY MR. LIVERMORE:

16 It's a pain to deal with, so I --- you know, we've talked several times. I'm
17 sure you understand my frustration with the process.

18 BY MR. HERZOG:

19 Believe me, I do.

20 BY MR. LIVERMORE:

21 And if I could change it, I certainly would.

22 BY MR. HERZOG:

23 I do. If we've got to have a cake sale, we'll have a cake sale. I realize
24 that the federal budget process is on a bureaucratic maze, and rest assured
25 with everything going on in this world, Camp Croft is probably on just about

1 nobody's radar screen, except ours, and, you know, the way I look at it, if you're
2 talking a couple years with it through the budget process and who knows what's
3 going to happen with the Congress and everything else. It may never get
4 through in my lifetime.

5 BY MR. HAYES:

6 I would like to ask Tim and Woody, has anything come to the surface at
7 the park?

8 BY MR. HERZOG:

9 Pardon?

10 BY MR. HAYES:

11 That you all know of?

12 BY MR. RITTER:

13 Not as far as I know.

14 BY MR. HAYES:

15 Woody, have you seen anything?

16 BY MR. RITTER:

17 I've only been there for a few months, though, so.

18 BY WOODY:

19 There was a mortar found by chance from somebody hiking down Dairy
20 Ridge Road a few months ago.

21 BY MR. HAYES:

22 Which road?

23 BY WOODY:

24 Dairy Ridge Road.

25 BY MR. HAYES:

1 It was found on the side of the road?

2 BY WOODY:

3 Uh-huh (affirmative response).

4 BY MR. LIVERMORE:

5 Do you know about it, Lieutenant Dyas?

6 BY LIEUTENANT DYAS:

7 Do you know who responded?

8 BY WOODY:

9 Fire department, sheriff's office.

10 BY LIEUTENANT DYAS:

11 Oh, I think I know what you're about it now. Yeah, I don't know.

12 I've been working out of town a little bit, so I wasn't on that one, but I do
13 remember there was a call.

14 BY MR. HAYES:

15 But the people found it?

16 BY LIEUTENANT DYAS:

17 The grenade was a practice grenade.

18 BY MR. LIVERMORE:

19 Just curious. The item that they found there on the park, do you know if
20 it was determined to be whether it was explosive or ---

21 BY LIEUTENANT DYAS:

22 N69.

23 BY MR. LIVERMORE:

24 Excuse me?

25 BY LIEUTENANT DYAS:

1 N69.

2 BY MR. LIVERMORE:

3 Okay.

4 BY MR. HAYES:

5 The one that they found on the side of Dairy Ridge Road was empty?

6 BY LIEUTENANT DYAS:

7 I don't remember exactly where it was found, but I know where it was
8 because they told me where it was on Dairy Ridge Road.

9 BY COLONEL GOSSETT:

10 The south side of Dairy Ridge Road during Camp Croft time probably had
11 five to 600 mortars and 105s out there firing all the time on the south side.

12 BY LIEUTENANT DYAS:

13 I have found a live one just right there at the gate at Camp Croft. That
14 was several years ago.

15 BY MR. HAYES:

16 Robin, have you got something to add?

17 BY MR. ZIMMERMAN:

18 Yeah. I don't mean to sound like the ultimate pessimist, but I think
19 they'll be finding stuff at Camp Croft a hundred years from now. No, really, I
20 mean I think that somebody, a farmer or someone is going out there a hundred
21 years from now, rake one day, and boom, there's going to be a 81 millimeter
22 mortar shell that was rusted all to pieces. They did not do a good job of
23 cleaning that camp up. They just closed it down in a hurry. I mean, you know, a
24 19 and 20-year-old soldier is liable to do anything. He wants to get home in a
25 hurry.

1 BY MR. LIVERMORE:

2 And that's not uncommon across the country. You know, we've got several
3 sites like that. I've got a couple in North Carolina. It's the same way. You
4 know, they did what they called dedudding right after the closure of the
5 installations, and so it removed a lot of the items that were on the surface, but,
6 certainly, they didn't have the technology that we have nowadays, so, yeah,
7 there are many sites like Camp Croft across the country that we're dealing with
8 that same issue.

9 BY COLONEL GOSSETT:

10 One of the things about Camp Croft in that they refer live ammo was it
11 there wasn't a pond, because the theory in the military up to probably about 20
12 years ago was anything you don't fire, take it to the pond and throw it in. You
13 couldn't turn it in. DOD said if you draw it, you use it. That don't mean you fire
14 it.

15 BY MR. ZIMMERMAN:

16 Well, you know where the big oak hunt club is?

17 BY COLONEL GOSSETT:

18 The what?

19 BY MR. ZIMMERMAN:

20 The big oak hunt club down there.

21 BY COLONEL GOSSETT:

22 I ---

23 BY MR. ZIMMERMAN:

24 Near Mr. Beeson's property kept before ---

25 BY COLONEL GOSSETT:

1 And that pond wasn't there in World War II.

2 BY MR. ZIMMERMAN:

3 Fergus Pond.

4 BY COLONEL GOSSETT:

5 That's his.

6 BY MR. ZIMMERMAN:

7 Yeah, that thing is full of stuff.

8 BY COLONEL GOSSETT:

9 I grew up down there, but there's also about four feet of mud.

10 BY MR. ZIMMERMAN:

11 Yeah, that's what I'm saying.

12 Mud at the bottom of the thing it's got where a lot of that stuff settled.

13 BY COLONEL GOSSETT:

14 Very few munitions will explode unless you do something to it.

15 BY MR. ZIMMERMAN:

16 Yeah, unless you do something to it, because when I was in the Boy

17 Scouts, we went down there, and that was before that flood was there, and we

18 found all kind of stuff. I mean we kept Sheriff Charles' office, we kept him out

19 there all the time finding stuff.

20 BY COLONEL GOSSETT:

21 Well, we've got the shells off a first 105.

22 BY MR. ZIMMERMAN:

23 Really?

24 BY COLONEL GOSSETT:

25 That went down around Camp Croft.

1 BY MR. ZIMMERMAN:

2 All right.

3 BY COLONEL GOSSETT:

4 I used to keep it polished, because my daddy did.

5 BY MR. ZIMMERMAN:

6 Yeah.

7 BY COLONEL GOSSETT:

8 And that was the first one that was found on the range.

9 When people talk about things, a lot of it is training. There's a
10 difference in what the soldiers trained with or airmen or anybody else, and
11 they're different colors, and a lot of war tales have been told about Camp Croft
12 this, that and the other. There's such a small percentage of it that's actually
13 dangerous.

14 BY MR. ZIMMERMAN:

15 Yeah.

16 BY COLONEL GOSSETT:

17 Simply because what I said a while ago, when something outside, you shut
18 a range down. I don't care what range it is and I don't care who's it is, but
19 there's a lot of stuff that has been told about Camp Croft that's beyond
20 science fiction on television in today's standards.

21 BY MR. LIVERMORE:

22 Well, Gary, that's all I have for an update on the decision documents. Did
23 we want to ---

24 BY MR. HAYES:

25 Has anybody else got anything they ---

1 BY MR. LIVERMORE:

2 --- if there's any questions.

3 BY MR. HAYES:

4 --- want to add?

5 Any new business you want to bring up for next meeting?

6 Okay. Now November, the first Thursday in November will be our next
7 scheduled meeting. The one after that will be February. So if we have a
8 meeting, we'll notify everybody whether we have one or not.

9 BY MR. LIVERMORE:

10 Right.

11 BY MR. HAYES:

12 And all of the material has phone numbers. The website is campcroft.net.
13 All the phone numbers, everything is in there, if anybody needs to know
14 anything or report anything or the sheriff's department, and I think it's time to
15 adjourn the meeting. I appreciate everybody coming out.

16 BY MR. HERZOG:

17 What are the odds Clemson will be undefeated by the next meeting?

18 We're good?

19 BY COLONEL GOSSETT:

20 Second.

21 BY MR. LIVERMORE:

22 Thank you for coming.

23 (MEETING CONCLUDED AT APPROXIMATELY 8:00 P.M.)

STATE OF SOUTH CAROLINA)
) CERTIFICATE
COUNTY OF SPARTANBURG)

This is to certify that the within meeting was taken on
the 2nd day of August, 2018;

That the foregoing is an accurate transcript of the
meeting;

That the undersigned court reporter, a Notary Public for
the State of South Carolina, is not an employee or relative of
any of the parties, counsel or witness and is in no manner
interested in the outcome of this action.

IN WITNESS WHEREOF, I have hereunto set my Hand and Seal
on this copy at Spartanburg, South Carolina, this 10th day of
October, 2018.

s/Sandra Satterwhite
Notary Public for South Carolina
My Commission Expires: 3/8/27

(SEAL)

ACRONYM LIST

CERCLA	Comprehensive Environmental Responses, Compensation, and Liability Act
DHEC	Department of Health and Environmental Control
DOD	Department of Defense
DOT	Department of Transportation
EPA	Environmental Protection Agency
FUDS	Formerly Used Defense Sites
FY	Fiscal Year
GIS	Geographic Information System
HTRW	Hazardous, Toxic, and Radioactive Waste
MEC	Munitions and Explosives of Concern
RAB	Restoration Advisory Board
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
SAD	South Atlantic Division
UU/UE	Unlimited Use/Unrestricted Exposure



**US Army Corps
of Engineers®**

**Restoration Advisory Board
August 2, 2018
6:30 PM**



**Spartanburg Marriott at Renaissance Park
Spartanburg, South Carolina**

Meeting Agenda

Welcome Gary Hayes, Community Co-Chair

New Business

Status of Decision Documents US Army Corps of Engineers

No Action

Gas Chamber and Cantonment Areas of Potential Concern

Alternative 2 – Public Education

Munitions Debris Areas

Remaining Lands

Alternative 4 – Removal Action

Rocket and Rifle Grenade Area

Maneuver Area/Croft State Park

60/81mm Mortar Area

Grenade Maneuver Area

105mm Area

60mm Mortar Area

Old Business

RAB New Business Topics

Adjourn

Your attendance and participation are encouraged for the success of this important project!

www.campcroft.net

Camp Croft Project Identification

Pre-RI Designation	Revised Designation	Decision Document Delineation (MMRP Project #)
MRS 1	MRS 1	Project 12: Gas Chamber and Cantonment AoPIs
MRS 2	MRS 2	Project 13: Grenade Court
MRS 3 (Land)	105mm Area	Project 10: 105mm Area
	Maneuver Area	Project 07: Maneuver Area/Croft State Park
	60mm Mortar Area	Project 11: 60mm Mortar Area
	60/81mm Mortar Area	Project 08: 60/81mm Mortar Area
	Rocket & Rifle Grenade Area	Project 06: Rocket and Rifle Grenade Area
	Rocket/Grenade Maneuver Area	Project 03: Munitions Debris Area
	Remaining Lands	Project 05: Range Complex Remaining Lands
AoPI 3	Grenade Area	Project 03: Munitions Debris Areas
AoPI 5	AoPI 5	Project 12: Gas Chamber and Cantonment AoPIs
AoPI 8	AoPI 8	Project 12: Gas Chamber and Cantonment AoPIs
AoPI 9E	AoPI 9E	Project 12: Gas Chamber and Cantonment AoPIs
AoPI 9G	AoPI 9G	Project 12: Gas Chamber and Cantonment AoPIs
AoPI 10A	Rocket Area	Project 03: Munitions Debris Area
AoPI 10B		
AoPI 11B	Grenade Maneuver Area	Project 09: Grenade Maneuver Area
AoPI 11C	Practice Grenade Area	Project 03: Munitions Debris Area
AoPI 11D	Mortar/Rifle Grenade Area	Project 03: Munitions Debris Area

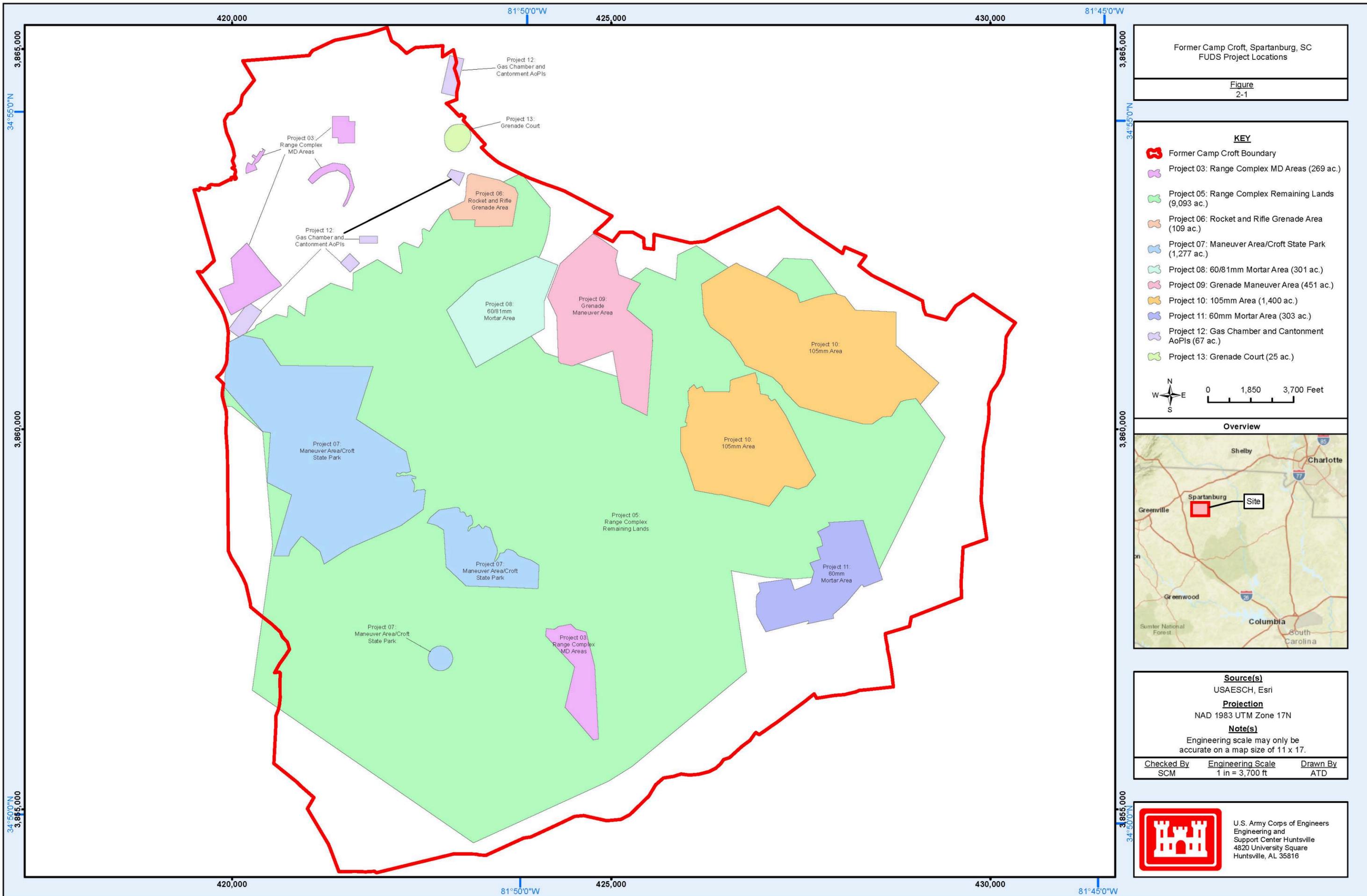
Remedial Alternative Definitions:

Public Education (Alternative 2): This remedy includes site controls (e.g., signage) and educational materials developed to enhance the communities general understanding of site conditions. This alternative also includes a Long-term Management (LTM) component, which means that the site will be evaluated every five years to determine the protectiveness of this remedy.

Digital Advanced Classification Surface and Subsurface MEC Removal to Support Unlimited Use/Unrestricted Exposure (UU/UE) (Alternative 4): This remedy involves the removal of MEC items visible on the ground surface and use of digital geophysical mapping and advanced classification to identify subsurface MEC items, and conduct a removal action. With this advanced technology, it is anticipated that the completion of the MEC removal would reduce the MEC hazard to a level to support UU/UE of the area. As such, public education and LTM would not be required.

Decision Document Determination

Decision Document Delineation	Remedial Alternative	Estimated Cost (+50 to -30% of actual cost)
<i>Project 03</i> <i>Munitions Debris Area</i> (269 acres of mixed use: residential, commercial, golf course)	Public Education Long-term Monitoring	\$122,975 <u>\$243,191</u> \$366,196
<i>Project 05</i> <i>Range Complex Remaining Lands</i> (9,093 acres of mixed use: residential, commercial, Croft State Natural Area)	Public Education Long-term Monitoring	\$566,206 <u>\$243,191</u> \$809,397
<i>Project 06</i> <i>Rocket and Grenade Area</i> (109 acres of residential properties)	Removal Action to depth of 2ft	\$722,896
<i>Project 07</i> <i>Maneuver Area/Croft State Park</i> (1,277 acres in Croft State Natural Area)	Removal Action to depth of 1ft	\$8,504,856
<i>Project 08</i> <i>60/81mm Mortar Area</i> (301 acres of mixed use: residential and Croft State Natural Area)	Removal Action to depth of 2ft	\$2,007,453
<i>Project 09</i> <i>Grenade Maneuver Area</i> (451 acres of mixed use: residential and Croft State Natural Area)	Removal Action to depth of 2ft	\$3,001,518
<i>Project 10</i> <i>105mm Area</i> (1,400 acres of mixed use: residential and Croft State Natural Area)	Removal Action to depth of 2ft	\$9,325,693
<i>Project 11</i> <i>60mm Mortar Area</i> (303 acres of mixed use: residential and Croft State Natural Area)	Removal Action to depth of 2ft	\$2,021,444
<i>Project 12</i> <i>Gas Chamber and Cantonment AoPIs</i> (67 acres of mixed use: residential, commercial, and Croft State Natural Area)	No Action	\$0
<i>Project 13</i> <i>Grenade Court</i> (25 acres)	Not addressed in the Feasibility Study (no Right-of-Entry)	N/A



Former Camp Croft, Spartanburg, SC
FUDS Project Locations

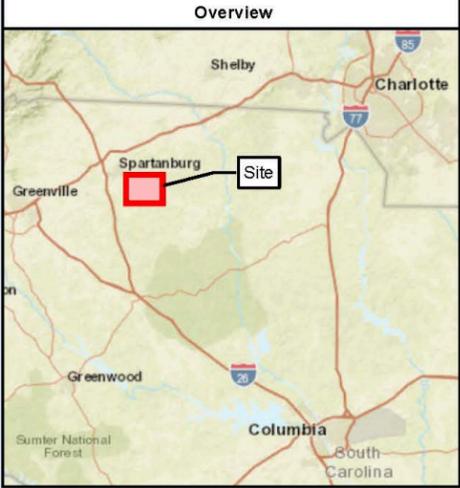
Figure
2-1

KEY

- Former Camp Croft Boundary
- Project 03: Range Complex MD Areas (269 ac.)
- Project 05: Range Complex Remaining Lands (9,093 ac.)
- Project 06: Rocket and Rifle Grenade Area (109 ac.)
- Project 07: Maneuver Area/Croft State Park (1,277 ac.)
- Project 08: 60/81mm Mortar Area (301 ac.)
- Project 09: Grenade Maneuver Area (451 ac.)
- Project 10: 105mm Area (1,400 ac.)
- Project 11: 60mm Mortar Area (303 ac.)
- Project 12: Gas Chamber and Cantonment AoPIs (67 ac.)
- Project 13: Grenade Court (25 ac.)

N
W E
S

0 1,850 3,700 Feet



Source(s)
USAESCH, Esri

Projection
NAD 1983 UTM Zone 17N

Note(s)
Engineering scale may only be accurate on a map size of 11 x 17.

Checked By SCM	Engineering Scale 1 in = 3,700 ft	Drawn By ATD
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U.S. Army Corps of Engineers
Engineering and
Support Center Huntsville
4820 University Square
Huntsville, AL 35816