LCCAR Meeting June 8, 2023, 10am to noon

WEBVTT

1 "gretchen mikeska" (248144896)

00:00:00.000 --> 00:00:08.610

Our 2nd, quarter 2023, leadership council meeting.

2 "gretchen mikeska" (248144896)

00:00:08.610 --> 00:00:16.169

So, we have 2 hosts today, our director Jackson, and he'll greet us in a minute.

3 "gretchen mikeska" (248144896)

00:00:16.169 --> 00:00:19.319

And our cohost, Richard Trent.

4 "gretchen mikeska" (248144896)

00:00:19.319 --> 00:00:23.670

From friends of park, so the, um.

5 "gretchen mikeska" (248144896)

00:00:23.670 --> 00:00:30.750

Basic, uh, meeting conduct is we have presentations by.

6 "gretchen mikeska" (248144896)

00:00:30.985 --> 00:00:41.365

Uh, the experts in, uh, the area that we've asked them to speak, then we take questions from the leadership council members 1st,

7 "gretchen mikeska" (248144896)

00:00:41.365 --> 00:00:48.955

that can either be raising hands or in the chat and then questions from everyone else. We have a pretty short timeline.

8 "gretchen mikeska" (248144896)

00:00:49.290 --> 00:00:57.325

For each presentation, only 15 minutes so if we don't get to your question, we, um, will deal with it later.

9 "gretchen mikeska" (248144896)

00:00:57.354 --> 00:01:09.235

But, um, especially if you have your hand raised, then I suggest you write your question in the chat. So it can be part of the meeting record.

10 "gretchen mikeska" (248144896)

00:01:09.290 --> 00:01:22.650

And everybody is right now able to mute and unmute themselves. If there gets to be a problem with that. David smart, who is our.

11 "gretchen mikeska" (248144896)

00:01:22.650 --> 00:01:27.750

Person dealing with all logistics today will, um.

12 "gretchen mikeska" (248144896)

00:01:27.750 --> 00:01:39.120

Mute everyone, and then he'll have to unmute you. So, let's, um, hopefully try to make sure we take care of our own muting and the noise in the background.

13 "gretchen mikeska" (248144896)

00:01:39.120 --> 00:01:46.440

And, uh, that's all I have to kick us off and I'm going to turn it to director Jackson. Thank you.

14 "Richard Jackson" (52384000)

00:01:46.440 --> 00:01:50.160

So, welcome, everybody glad to, uh.

15 "Richard Jackson" (52384000)

00:01:50.160 --> 00:01:57.150

Did you able to attend the day, uh, 1st, off on it back? Mr Trent for being Co host with me this week. This, this meeting.

16 "Richard Jackson" (52384000)

00:01:57.150 --> 00:02:09.240

And, and look for some good information, good exchange of information from all of presenters today, uh, for of course, um, you know, we're still powerful with all of our projects.

17 "Richard Jackson" (52384000)

00:02:09.240 --> 00:02:22.020

Uh, you know, the budget is coming to completion the district budgets coming to completions, as I mentioned in the meeting yesterday and I think it goes for final vote next week. We'll see what that means.

18 "Richard Jackson" (52384000)

00:02:22.020 --> 00:02:31.260

Uh, but we're almost there, uh, we know what our budget's going to look like for 24. uh, we know the challenges that we'll face, but, um.

19 "Richard Jackson" (52384000)

00:02:31.260 --> 00:02:41.125

We'll, uh, we'll still be able to move forward with multiple projects and a lot of the projects that we discussed today are definitely projects that will continue to move forward, continue to make progress on.

20 "Richard Jackson" (52384000)

00:02:41.635 --> 00:02:50.965

So, I'm feeling I'm feeling good about the budget feeling good about the, uh, where our teams are at with everything and we're just gonna keep planning for, um, again.

21 "Richard Jackson" (52384000)

00:02:51.260 --> 00:03:03.225

Have some good presentations a day to kind of give you some updates on where we're at, with a lot of different things. And, um, and, you know, and then we'll get to the question. So, with that again. Thanks everybody for being here and like for the presenters.

22 "Richard Jackson" (52384000)

00:03:03.495 --> 00:03:06.465

And I'll turn it over to Mr Trent and he can keep us going.

23 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:03:06.780 --> 00:03:21.390

Folks, thanks for that introduction introduction director, Jackson I mean, it was good to see you at the Anacostia environmental youth summit a couple of weeks ago. Absolutely. You still need a meeting absolutely. We'll get it on the books. All right.

24 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:03:21.390 --> 00:03:34.075

So we have a jam packed agenda today, so I will not give you guys too much preamble just to say I'm excited to be here excited to host excited to represent friends of Anacostia park.

25 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:03:34.435 --> 00:03:41.245

Our 1st presentation is from Mark bank PCB source, track down.

26 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:03:41.390 --> 00:03:44.820

In Maryland that are June 2023 update.

27 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:03:44.820 --> 00:03:55.920

Mark is a toxicologist for the land and materials administration at, and he has seen various programs that are in the characterization assessment and clean up of environmental impacts.

28 "Mark Mank MDE" (1953170432)

00:03:55.920 --> 00:04:03.630

Take it away minute mark morning everyone Trent, give me a rich. You give me a thumbs up.

29 "Mark Mank MDE" (1953170432)

00:04:03.630 --> 00:04:06.720

Can you hear me? All right? Yep. Perfect.

30 "Mark Mank MDE" (1953170432)

00:04:06.720 --> 00:04:15.060

So, uh, good morning leadership council guests today I'm going to go over obviously quarterly update on the PCB track down efforts in the Anacostia.

31 "Mark Mank MDE" (1953170432)

00:04:15.060 --> 00:04:18.330

With a particular focus on lower beaverdam Pre.

32 "Mark Mank MDE" (1953170432)

00:04:18.330 --> 00:04:28.315

I will say I wanted to do a quick public service announcement, not to steal DOS thunder in some of these things, but the weather has not helped that.

33 "Mark Mank MDE" (1953170432)

00:04:28.315 --> 00:04:38.245

So, I'm out on the Anacostia and the tributaries a lot and I want to encourage everybody the last couple of weeks, have been fantastic weather. You wouldn't believe the wild.

34 "Mark Mank MDE" (1953170432)

00:04:38.330 --> 00:04:45.765

We see walking around out there, turtles, birds, deer, unfortunately, for vehicles. All those things.

35 "Mark Mank MDE" (1953170432)

00:04:45.975 --> 00:04:53.775

The other thing I would like to put out there is get everybody out there, walk around, take a kid with you and if you're out there and you see any trash.

36 "Mark Mank MDE" (1953170432)

00:04:54.384 --> 00:05:01.344

You don't have to pick it all up to grab a few pieces and throw it away. It's surprising how much trash makes it to that creek.

37 "Mark Mank MDE" (1953170432)

00:05:02.183 --> 00:05:14.064

It just really is shocking when you're out there in the creek, waiting around catching fishing things, what you see. So everybody get out there and join that watershed onto the next slide. Please.

38 "Mark Mank MDE" (1953170432)

00:05:14.119 --> 00:05:19.889

We can get busy.

39 "Mark Mank MDE" (1953170432)

00:05:19.889 --> 00:05:23.669

It's on my screen, I'm not seeing a slide here. Okay.

40 "Mark Mank MDE" (1953170432)

00:05:23.669 --> 00:05:29.039

It's kind of scrolling through go up to slide to. You're just a little bit past that.

41 "Mark Mank MDE" (1953170432)

00:05:31.434 --> 00:05:44.724

There we are. Okay, and in this slide, you all have seen before there are 2 primary areas of concern and lower beaverdam creek that we found today. That doesn't mean, we won't find more the lower end of that along the Joseph sniff property.

42 "Mark Mank MDE" (1953170432)

00:05:44.724 --> 00:05:47.514

Just prior to discharge the Anacostia.

43 "Mark Mank MDE" (1953170432)

00:05:47.879 --> 00:06:00.839

And the Pepsi drive area, I'll go over each of those in detail with a specific focus on recent data we've collected, and some of the activities that are going on, go ahead and advance the next slide. Please.

44 "Mark Mank MDE" (1953170432)

00:06:04.554 --> 00:06:12.774

So and many of you have seen this before the sitewide characterization that has occurred at the Joseph Smith and property began in earnest 2021,

45 "Mark Mank MDE" (1953170432)

00:06:12.774 --> 00:06:20.754

we did some sampling and then we initiated or requested that they begin some of those activities. some of those activities

46 "Mark Mank MDE" (1953170432)

00:06:21.074 --> 00:06:35.114

I'm not going to go through these bullets in detail because we had before but what I will say is the last 4 or 5 bullets are the most recent round of data that I threw out there our last meeting and we've got what I would call a pretty

47 "Mark Mank MDE" (1953170432)

00:06:35.114 --> 00:06:37.544

comprehensive understanding of.

48 "Mark Mank MDE" (1953170432)

00:06:37.919 --> 00:06:52.854

The activities, the location of pcds and various mechanisms that cause to get into the creek. It's a red, very dynamic scenario.

49 "Mark Mank MDE" (1953170432)

00:06:52.854 --> 00:06:57.834

There. We've got some higher data points, et cetera, but we're.

50 "Mark Mank MDE" (1953170432)

00:06:57.919 --> 00:07:07.979

We're moving on to the next stage. There will still be plenty more characterization, but we're at a point now that we can, we can advance. So, let's let's go to the next slide. Please.

51 "Michael Stevens" (2316709632)

00:07:07.979 --> 00:07:12.029

17 years since I founded the business up.

52 "Michael Stevens" (2316709632)

00:07:12.029 --> 00:07:15.389

That's the structure of the process, but.

53 "Mark Mank MDE" (1953170432)

00:07:15.389 --> 00:07:19.649

Okay.

54 "Mark Mank MDE" (1953170432)

00:07:19.649 --> 00:07:25.199

Can you guys hear me? All right let's I can advance the or can you guys advance the next slide?

55 "Mark Mank MDE" (1953170432)

00:07:25.199 --> 00:07:34.769

All right, there we go, so I'm getting a little bit of feedback on on my end. Perhaps someone else is not needed.

56 "Mark Mank MDE" (1953170432)

00:07:34.769 --> 00:07:37.889

Okay all right so it's not on my end. At least.

57 "Mark Mank MDE" (1953170432)

00:07:37.889 --> 00:07:50.879

Which could occur so, give me a signal if that's the case anyway, here's the figure that I showed you last time on some of the site wide characterization efforts conducted by Joseph Smith and their contractors, it's a multimedia sampling.

58 "Mark Mank MDE" (1953170432)

00:07:50.879 --> 00:07:58.224

Process material process, water, sediments, soils, all of these different things ground water.

59 "Mark Mank MDE" (1953170432)

00:07:58.344 --> 00:08:10.794

Uh, we've got a pretty robust understanding just to reiterate this property is constructed with a lot of control mechanisms in place. It's shaped like a like a tub.

60 "Mark Mank MDE" (1953170432)

00:08:11.384 --> 00:08:23.714

So, as you move closer to the creek and areas, that water would potentially lead the property the property is sloped interior to collect that water.

61 "Mark Mank MDE" (1953170432)

00:08:23.714 --> 00:08:26.474

And these other products is a perfect.

62 "Mark Mank MDE" (1953170432)

00:08:26.669 --> 00:08:41.664

Um, we shall see any rate it is the goal is to keep the material interior to the property. This dataset has helped us understand that in a rather robust matter.

63 "Mark Mank MDE" (1953170432)

00:08:41.934 --> 00:08:46.404

So, let's go ahead and go through some of these environmental media switch to the next slide. Please.

64 "2027\*\*\*\*49" (2403499264)

00:08:51.059 --> 00:08:56.309

Hello.

65 "Mark Mank MDE" (1953170432)

00:08:56.309 --> 00:08:59.969

That we can, I can admit, yeah, there we go.

66 "Mark Mank MDE" (1953170432)

00:08:59.969 --> 00:09:02.999

So, I've got a couple slides that go over and I showed some of this.

67 "Mark Mank MDE" (1953170432)

00:09:02.999 --> 00:09:06.599

We now basically have all of the data in.

68 "Mark Mank MDE" (1953170432)

00:09:07.074 --> 00:09:17.214

Including the groundwater, some of that was pending because of logistical complications associated with the characterization. It's, it's a, it's a dynamic property.

69 "Mark Mank MDE" (1953170432)

00:09:17.214 --> 00:09:23.994

There's a lot of infrastructure lines that run up and down the creek that that transfer um.

70 "Mark Mank MDE" (1953170432)

00:09:24.714 --> 00:09:39.444

Sewage stormwater different things like that. So, getting boring in there for groundwater is not is a rather complicated effort and we ran into some, some logistical issues. The contractors did MBA didn't do this anyway.

71 "Mark Mank MDE" (1953170432)

00:09:39.684 --> 00:09:43.434

This is a general synopsis banding the dataset.

72 "Mark Mank MDE" (1953170432)

00:09:44.364 --> 00:09:53.274

Sentiment is a relative term. This is not really what I would call sentiment from the creek itself or anything like that. I've got a bunch of slides coming up on that.

73 "Mark Mank MDE" (1953170432)

00:09:53.304 --> 00:10:01.644

These are preferential drainage areas on just on the exterior of the property where materials could make their way into the creek.

74 "Mark Mank MDE" (1953170432)

00:10:02.364 --> 00:10:17.304

Bottom line is in this is you can see a lot of the soil data is in the 1 to 10 ppm range. There were some concentrations that exceeded Tosca, 50 ppm.

75 "Mark Mank MDE" (1953170432)

00:10:17.694 --> 00:10:24.804

Removal action levels, what that means, and where they were located um, there was no rhyme or reason to that.

76 "Mark Mank MDE" (1953170432)

00:10:24.804 --> 00:10:37.584

They're, they're rather isolated, but at the end of the day, though, all of that material will have to be dealt with and we're going to work through those, those processes to get to that point 1 or the other.

77 "Mark Mank MDE" (1953170432)

00:10:37.669 --> 00:10:50.789

Important elements of this is, you look at process material. I'm going to call that. The finds the suspended that material. That's bad term but it's, it's like a mishmash of.

78 "Mark Mank MDE" (1953170432)

00:10:50.789 --> 00:10:57.449

Soil off all of these things and that process material, as you can see also has.

79 "Mark Mank MDE" (1953170432)

00:10:57.449 --> 00:11:06.929

Rather consistent concentrations of within it, let's go ahead and advance to the next slide. And why that's so important.

80 "Mark Mank MDE" (1953170432)

00:11:15.359 --> 00:11:24.119

There we go, so I'll start with the process water process, water process material those 2.

81 "Mark Mank MDE" (1953170432)

00:11:24.119 --> 00:11:35.189

Combinations kind of Intermix with each other and as you can see in this data set, that process water has what I would term significant concentrations of in that.

82 "Mark Mank MDE" (1953170432)

00:11:36.234 --> 00:11:49.974

The stormwater itself as you would imagine, because of the resident's time of whatever material are present generating this. We're significantly lower and all the way to the left side as you can see.

83 "Mark Mank MDE" (1953170432)

00:11:50.549 --> 00:11:58.854

Pcbs certainly present in groundwater, but not nearly at the concentrations that we experienced in the process water itself.

84 "Mark Mank MDE" (1953170432)

00:11:59.034 --> 00:12:10.464

All of this different environmental media helps us formulate a plan to actually we formulate we approve the plan. The contractors and Joseph Smith and sons will.

85 "Mark Mank MDE" (1953170432)

00:12:10.549 --> 00:12:16.349

Will produce a plan, so let's go ahead and advance to the next slide. Please.

86 "Mark Mank MDE" (1953170432)

00:12:21.329 --> 00:12:29.304

Slide down, just a little bit. There we go.

87 "Mark Mank MDE" (1953170432)

00:12:29.754 --> 00:12:39.924

So, in addition to that data sampled in and along the creek, and we've been doing this now for a number of years and what I would highlight these are 2 outfalls.

88 "Mark Mank MDE" (1953170432)

00:12:40.019 --> 00:12:53.939

Um, that don't necessarily discharge directly from Joseph Smith. Um, many of the outfalls have been blocked, stopped, abandoned, et cetera. But but the important element of this is.

89 "Mark Mank MDE" (1953170432)

00:12:53.939 --> 00:12:59.519

Materials are making their way as you can see, this is an extremely variable data set.

90 "Mark Mank MDE" (1953170432)

00:12:59.519 --> 00:13:13.704

It would be not wise for me to speculate as to how it gets there, but you can obviously see huge variability. Why would that occur? There's a host of reasons. Why that would occur.

91 "Mark Mank MDE" (1953170432)

00:13:13.824 --> 00:13:19.314

Bottom line is this materials make their way through or into that system.

92 "Mark Mank MDE" (1953170432)

00:13:19.519 --> 00:13:29.294

Discharge to the creek, which is obviously a problem we've been monitoring it for a period of time. There is no specific trend associated with this.

93 "Mark Mank MDE" (1953170432)

00:13:29.414 --> 00:13:38.684

But this all ties back to the conceptual site model, and how we can get to the bottom of solving some of these things. So, let's go ahead and advance to the next slide.

94 "Mark Mank MDE" (1953170432)

00:13:45.209 --> 00:13:57.149

And I'll start speaking just to just to save time. So we are now at the stage as the slide is events where we have a pretty good understanding of the conceptual site model, conceptual site models, which is.

95 "Mark Mank MDE" (1953170432)

00:13:57.149 --> 00:14:07.944

How is stuff getting to the creek? What are you going to do about it? Where is it coming from? Atmospheric a pipe this facility is large. It's complex.

96 "Mark Mank MDE" (1953170432)

00:14:08.184 --> 00:14:17.004

It's dynamic so there are a lot of different ways that things can make it there. None of which are 100% so it's not going to be a. be a

97 "Mark Mank MDE" (1953170432)

00:14:17.149 --> 00:14:20.699

Easy solution to say, okay, we stop this and we solve the problem.

98 "Mark Mank MDE" (1953170432)

00:14:20.699 --> 00:14:25.109

We are now at the stage where we understand this sitewide characterization.

99 "Mark Mank MDE" (1953170432)

00:14:25.109 --> 00:14:37.409

They are finalizing comments that the department in EPA, and we're working hand in hand with task on this process and region 3, we've submitted our comments. They're finalizing that document.

100 "Mark Mank MDE" (1953170432)

00:14:37.409 --> 00:14:41.849

And they meaning Joseph Smith and sons has agreed.

101 "Mark Mank MDE" (1953170432)

00:14:41.849 --> 00:14:49.469

To developing a response action plan for, and a Tosca risk based disposal application.

102 "Mark Mank MDE" (1953170432)

00:14:49.469 --> 00:14:55.679

So, what that basically means is they have agreed and they've done this in a formal matter. 2.

103 "Mark Mank MDE" (1953170432)

00:14:55.679 --> 00:15:10.529

Clean up, mitigate, reduce, PCBs and enter the creek. This will be a multifaceted effort. It will take a period of time for us to get to get to the solutions.

104 "Mark Mank MDE" (1953170432)

00:15:10.824 --> 00:15:21.834

Some of those may be implemented in a much more time sensitive manner. Others will take a period of time as you can imagine a creek running literally right down the center line of the property.

105 "Mark Mank MDE" (1953170432)

00:15:22.014 --> 00:15:30.504

You just can't go in there and pull to the left dig to the right there's large equipment. All those things, rail lines all over. Obviously.

106 "Mark Mank MDE" (1953170432)

00:15:30.529 --> 00:15:38.819

Kind of work as major thoroughfares all those things. So what, I would incur encourage everybody to be aware of. It will take time.

107 "Mark Mank MDE" (1953170432)

00:15:38.819 --> 00:15:51.479

I am confident that we will solve or reduce these problems. It's just going to take some effort and stay on top of it. We will be here every quarter to tell you where we're at. If you've got questions.

108 "Mark Mank MDE" (1953170432)

00:15:51.479 --> 00:15:59.069

Ask him 1 thing to think about is and I, you know, you always put things in my mind in in context.

109 "Mark Mank MDE" (1953170432)

00:15:59.069 --> 00:16:05.999

Warning the doctor goes in many others were talking about approximately 300 grams of.

110 "Mark Mank MDE" (1953170432)

00:16:05.999 --> 00:16:09.359

A year out of the creek, if we captured all of it.

111 "Mark Mank MDE" (1953170432)

00:16:09.359 --> 00:16:17.969

I believe Joseph Smith and sons recycles. So that's what leaves the facility half a 1Million tons of steel a year.

112 "Mark Mank MDE" (1953170432)

00:16:17.969 --> 00:16:31.674

So, capturing, you know, less than a diet, Coke can of is a significant task, but we're up for it and we've got other sources and we're going to knock our way through it. Let's go ahead and go to the next slide. Please.

113 "Mark Mank MDE" (1953170432)

00:16:34.049 --> 00:16:38.549

Regarding the pencil drive and further to the North Northeast.

114 "Mark Mank MDE" (1953170432)

00:16:38.549 --> 00:16:52.829

We're working with EPA, we've got some of the initial understanding of what we're going to do once again, getting into the system. And I'm sure Joey knows this as do many others in an urban area.

115 "Mark Mank MDE" (1953170432)

00:16:52.829 --> 00:17:02.934

Takes a lot of effort to get into an system. There are safety factors. There are historical inputs. All of those things we have yet to get into the field.

116 "Mark Mank MDE" (1953170432)

00:17:03.114 --> 00:17:12.804

We are working with epa's contractors and I'm gonna I'm going to push EPA and this slide a little bit. We desperately want to get out there. So we're, we're moving.

117 "Mark Mank MDE" (1953170432)

00:17:12.829 --> 00:17:14.174

Into that next stage,

118 "Mark Mank MDE" (1953170432)

00:17:14.384 --> 00:17:29.354

and I hope that within the next several months we will get out into the field and start doing some of these activities die tracing sampling to further identify and isolate pcds and hopefully crack down and mitigate within the Pepsi drive

119 "Mark Mank MDE" (1953170432)

00:17:29.354 --> 00:17:32.504

area of lower beaverdam creek let's go ahead and slip to the next slide.

120 "Mark Mank MDE" (1953170432)

00:17:36.059 --> 00:17:48.089

And my colleague, Liz green is not here today. So, what she did was shove my picture in the middle of this that way. Somebody actually knows who I am unfortunately. So she did that a little, uh.

121 "Mark Mank MDE" (1953170432)

00:17:48.089 --> 00:17:57.179

Dubious just to tease me a little bit, but last summer we collected fish throughout LBC. We will be doing that again in the next couple of weeks.

122 "Mark Mank MDE" (1953170432)

00:17:57.179 --> 00:18:12.054

That data has finally come in, they took almost a year for the labs to process it and I want to go over that. What? I will tell you is we couldn't do this without com. They're like great blue heron out there. They catch fish. When we're shocking.

123 "Mark Mank MDE" (1953170432)

00:18:12.324 --> 00:18:17.154

And I don't even see the fish. I mean, I may have a net in my hand, but I'm useless in this process.

124 "Mark Mank MDE" (1953170432)

00:18:17.179 --> 00:18:30.329

These guys who are out there with us, couldn't do a better job that we wouldn't be at this point without their support. And I want to thank them and so much for all this. So let's go ahead and get get to that fish data.

125 "Mark Mank MDE" (1953170432)

00:18:30.329 --> 00:18:42.239

Advanced the next slide. Please. So last year we collected samples as you can see on this. We also took a sample further up in the Northeast branch.

126 "Mark Mank MDE" (1953170432)

00:18:42.384 --> 00:18:57.084

Our focus has been sunfish because we can get those rather effectively they mimic a lot of the Kelly fish data that fish wildlife and others have collected. So it's worked pretty well, I'm going to go ahead. Let's hit the next slide.

127 "Mark Mank MDE" (1953170432)

00:18:57.114 --> 00:19:02.154

I'm going to go through this. Very quickly and I would like Fred and Paul to circle back with.

128 "Mark Mank MDE" (1953170432)

00:19:02.239 --> 00:19:05.219

Me on this data and Liz.

129 "Mark Mank MDE" (1953170432)

00:19:05.219 --> 00:19:14.004

Because we got some unusual things. Now, the point I'd like to make on this is it and this is, I don't even like to use the word trend.

130 "Mark Mank MDE" (1953170432)

00:19:14.274 --> 00:19:22.974

This is positive, but it is certainly not conclusive and we'll be back out there for several years to come to get data on on these fish.

131 "Mark Mank MDE" (1953170432)

00:19:23.309 --> 00:19:28.949

As you can see in general terms Kenilworth area, obviously the highest.

132 "Mark Mank MDE" (1953170432)

00:19:28.949 --> 00:19:34.649

Things appear to be going down in general terms.

133 "Mark Mank MDE" (1953170432)

00:19:34.649 --> 00:19:49.619

With this dataset is that conclusive? Absolutely not. We've got a whole lot more work to do my goal and the Department's goal is to continue this trend implement mitigate measures and let's see this trend become.

134 "Mark Mank MDE" (1953170432)

00:19:49.644 --> 00:19:58.764

More robust and continue to go down 1 of the unusual facts and Fred really focus on the right hand column category.

135 "Mark Mank MDE" (1953170432)

00:19:59.064 --> 00:20:09.594

Kelly fish this past year or extremely low outlier. The data that, you know, something odd occurred hard to guess. But I'd like.

136 "Mark Mank MDE" (1953170432)

00:20:09.619 --> 00:20:17.054

To circle back on that and the other interesting point interest from a scientific standpoint. Not necessarily a positive standpoint.

137 "Mark Mank MDE" (1953170432)

00:20:17.294 --> 00:20:29.564

Northeast branch had concentrations in the sunfish that were higher than if you asked me to guess before I got the data than I would expect, but either way that data's out.

138 "Mark Mank MDE" (1953170432)

00:20:29.619 --> 00:20:33.599

And I'd like to circle back with Paul and, uh.

139 "Mark Mank MDE" (1953170432)

00:20:33.599 --> 00:20:38.099

And Fred on that. Okay, let's let's look to the next slide. Please.

140 "Mark Mank MDE" (1953170432)

00:20:41.159 --> 00:20:53.364

So, as I stated, we've got ongoing fish collection that is about to occur that data will be used throughout this process to monitor success.

141 "2677\*\*\*\*89" (1373579264)

00:20:53.364 --> 00:20:58.374

Not success trends, become more validated, et cetera.

142 "Mark Mank MDE" (1953170432)

00:20:58.679 --> 00:21:07.709

In the last couple of months we have collected a considerable amount of additional data surface water and sentiment to assist us.

143 "Mark Mank MDE" (1953170432)

00:21:07.709 --> 00:21:18.624

In the lower beaverdam Creek, Joseph Smith portion of this tributary and as you can see in the snap right here a lot of sentiment data was collected.

144 "Mark Mank MDE" (1953170432)

00:21:18.624 --> 00:21:27.684

We also collected quite a few stormwater alpha data points within this section of the creek. I'm waiting.

145 "Mark Mank MDE" (1953170432)

00:21:27.709 --> 00:21:34.964

The results on those, as is Liz, some of that was analyze the 668 others using 80, 82. what?

146 "Mark Mank MDE" (1953170432)

00:21:34.964 --> 00:21:46.934

I would tell you some of the data has come in specifically on the sentiment as Paul knows better than anybody very dynamic environment. Course. anybody very dynamic environment course

147 "Mark Mank MDE" (1953170432)

00:21:47.249 --> 00:21:56.279

Sandy settlement, we do not have many and you can see we took 20 sample plus in this zone.

148 "Mark Mank MDE" (1953170432)

00:21:56.279 --> 00:22:00.029

Most of the samples were non detected for.

149 "Mark Mank MDE" (1953170432)

00:22:00.029 --> 00:22:10.794

But it's in that dissolved face, suspended phase, this kind of Paul's known this for a number of years. The data he's collected has kind of demonstrated that, et cetera.

150 "Mark Mank MDE" (1953170432)

00:22:11.034 --> 00:22:19.554

But what this tells us is, the sentiment is not really the source in this instance. We've got things making their way into the creek.

151 "Mark Mank MDE" (1953170432)

00:22:20.029 --> 00:22:24.179

Hopefully, we can nail down and address.

152 "Mark Mank MDE" (1953170432)

00:22:24.179 --> 00:22:33.029

In addition to the sentiment surface, water, fish, tissue, all that we continue to look in this area for other preferential.

153 "Mark Mank MDE" (1953170432)

00:22:33.029 --> 00:22:37.859

Flow path where PCBs could be getting into the system.

154 "Mark Mank MDE" (1953170432)

00:22:37.859 --> 00:22:41.339

Go ahead and hit the next slide and I'll wrap it up.

155 "Mark Mank MDE" (1953170432)

00:22:41.339 --> 00:22:44.579

I haven't been paying attention to the.

156 "Mark Mank MDE" (1953170432)

00:22:44.579 --> 00:22:51.989

To the chat, so if Gretchen, you let me know how you want to handle questions. So what's going on in the near term.

157 "Mark Mank MDE" (1953170432)

00:22:53.214 --> 00:23:07.854

Was going to finish their comment revision to the site wide characterization. They've agreed to initiate the wrap up. We are working with them on that process and more to come.

158 "Mark Mank MDE" (1953170432)

00:23:08.219 --> 00:23:19.379

When we circle around the next quarter of September, we're going to have even more data, and let's hope we're further along in this in this pathway and we continue to make progress.

159 "Mark Mank MDE" (1953170432)

00:23:19.379 --> 00:23:24.719

Thanks everyone and hopefully, I see you guys out there on the river.

160 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:23:24.719 --> 00:23:30.629

I'll turn it back to you guys. All right. All right. Thanks, mark for that. Awesome presentation.

161 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:23:30.629 --> 00:23:43.079

I'm not seeing any questions in the chat so far. Um oh, excellent. Yeah, Richard from, uh, up until, uh, where does the process water from get discharged.

162 "Mark Mank MDE" (1953170432)

00:23:47.399 --> 00:23:56.604

That doesn't discharge. Yeah. Sorry I muted myself. They do not have a discharge, so it's an internal process.

163 "Mark Mank MDE" (1953170432)

00:23:56.784 --> 00:24:07.344

So, which further complicated that's like saying or if you think of it from the conceptual site model, there may be a bunch of little locations.

164 "Mark Mank MDE" (1953170432)

00:24:07.399 --> 00:24:20.954

Is that you're getting dribs and drabs? Here's and there's cracks in pipes a whole bunch of different things. That's the stage we are at is begin to reduce some of those.

165 "Mark Mank MDE" (1953170432)

00:24:23.219 --> 00:24:35.159

Discreet not obvious, not regulated bleeds from the property. Um, every 1 of us spills gasoline in the parking lot, fill in our tank dribs and drabs.

166 "Mark Mank MDE" (1953170432)

00:24:35.159 --> 00:24:39.839

Line up when it's something like, because they don't break down.

167 "Mark Mank MDE" (1953170432)

00:24:40.194 --> 00:24:54.444

You still a little fuel on the side of your car. It stinks for 20 minutes and then it's gone not the case here. So managing that and coming up with a multifaceted mitigated approach is where we are at. That will take time.

168 "Mark Mank MDE" (1953170432)

00:24:54.744 --> 00:24:59.754

We will see incremental improvements or that is the goal. I don't want to predict how long or.

169 "Mark Mank MDE" (1953170432)

00:24:59.839 --> 00:25:06.269

Anything like that, that would be disingenuous and I don't want to mislead anybody in that process, but we are here to make it happen.

170 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:25:12.059 --> 00:25:15.269

All right, I think that's the only question that we've got.

171 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:25:15.269 --> 00:25:27.179

Thanks so much. Oh, and from tray or how broader limited as the list of materials handed by GSS that brought to the site in the 1st place.

172 "Mark Mank MDE" (1953170432)

00:25:27.179 --> 00:25:35.429

I'm going to ask Craig, you have a cell phone or a refrigerator.

173 "Mark Mank MDE" (1953170432)

00:25:35.429 --> 00:25:45.209

So, I would say to you try it is in many things at the few levels in our product waste stream that are not regulated.

174 "Mark Mank MDE" (1953170432)

00:25:45.209 --> 00:26:00.024

That is unfortunate and you have hit the nail on the head. I'll give you credit on that. There are a few sources. It's not Transformers. It's not things that you would say. Hey, wait a minute. There it is.

175 "Mark Mank MDE" (1953170432)

00:26:00.209 --> 00:26:15.149

I wish I had a very good answer for that. I would tell those involved in, in some of these industries we need to know those answers. That's like, saying, well, what where is P used mark?

176 "Mark Mank MDE" (1953170432)

00:26:15.414 --> 00:26:21.234

In too many things now, I would also say tray, it becomes less and less with PCBs,

177 "Mark Mank MDE" (1953170432)

00:26:21.384 --> 00:26:35.124

but clearly it is making its way into waste streams in unknown quantities that may you Joseph Smith or anybody getting rid of material are not aware.

178 "Mark Mank MDE" (1953170432)

00:26:35.149 --> 00:26:46.439

Which is very unfortunate.

179 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:26:46.439 --> 00:26:52.919

Trace that that seems to be manufactured in the seventies and he was under the impression that they were banned from use.

180 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:26:52.919 --> 00:26:57.299

Since then in anything, other than substation Transformer oil.

181 "Mark Mank MDE" (1953170432)

00:26:57.299 --> 00:27:00.299

So, Here's what I would tell, you.

182 "Mark Mank MDE" (1953170432)

00:27:00.299 --> 00:27:05.969

I wish that it wasn't present in things, but a lot of the data that we've generated.

183 "Mark Mank MDE" (1953170432)

00:27:05.969 --> 00:27:18.689

Is not from anything like that so it is making its way into way streams in some very diffused manner. I, I think there's a lot of work to be done.

184 "Mark Mank MDE" (1953170432)

00:27:18.689 --> 00:27:21.929

By those in.

185 "Mark Mank MDE" (1953170432)

00:27:21.929 --> 00:27:33.474

Industrial processes, Joseph Smith is just the final resting place for these places, but Neo and everybody else throw things out all day long. Unbeknownst to us. What's in them?

186 "Mark Mank MDE" (1953170432)

00:27:33.744 --> 00:27:41.904

There is work to be done on that, but it's, it's not not a topic for this crowd. At the end of the day. I'm going to stop it and the.

187 "Mark Mank MDE" (1953170432)

00:27:41.929 --> 00:27:48.599

He's going to stop it from getting into the creek, but those are bigger questions trends that I'm not going to tell you you're not wrong.

188 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:27:51.719 --> 00:27:56.099

Okay, thanks so much mark, I appreciate you.

189 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:27:56.099 --> 00:28:02.399

Up next, we've got presentation on the use of amendments for insight to treatment.

190 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:28:02.399 --> 00:28:05.759

And beneficial use of sediments from Dr. who Paul.

191 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:28:06.414 --> 00:28:09.474

Dr Paul gosha's professor in department of chemical,

192 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:28:09.474 --> 00:28:21.894

biochemical and environmental engineering at his group performs research and environmental engineering and science with a focus on the fate effects and remediation of toxic pollutants in the environment.

193 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:28:22.314 --> 00:28:25.704

His research has contributed to the development and transition of novels.

194 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:28:25.759 --> 00:28:39.824

Sentiment remediation technologies, based on altering sediment geochemistry and enhancing biological degradation and has been recognized through multiple awards, including the university system of Maryland regions award for excellence and scholarship,

195 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:28:39.824 --> 00:28:45.314

research and creative activity. He is an associate editor editor of the Journal.

196 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:28:45.759 --> 00:28:54.959

Departmental Toxicology and chemistry and Co, founder of 2 startup companies in environmental remediation without further ado. Dr.

197 "Upal Ghosh" (3825460480)

00:28:54.959 --> 00:28:58.199

Thank you, Richard. Can you all hear me.

198 "Upal Ghosh" (3825460480)

00:28:58.199 --> 00:29:06.149

Yep, wonderful. Um, thank you for asking me to provide a brief on the subject and a.

199 "Upal Ghosh" (3825460480)

00:29:06.149 --> 00:29:19.349

Uh, thank you director, uh, uh, Jackson and, uh, uh, leadership council members. So I was asked to provide a brief on Institute treatment and beneficial use of segments. So there are 2.

200 "Upal Ghosh" (3825460480)

00:29:19.349 --> 00:29:29.399

Concepts that I will, uh, talk about in the next, uh, 14 minutes or so. So if you can go to the next slide.

201 "Upal Ghosh" (3825460480)

00:29:29.399 --> 00:29:36.389

Yes, this 1, so, um, it starts with this conceptual model of how pollutants from.

202 "Upal Ghosh" (3825460480)

00:29:36.389 --> 00:29:41.429

Legacy sediments get gets into the food web.

203 "Upal Ghosh" (3825460480)

00:29:41.429 --> 00:29:47.669

And once we understand those processes, there are engineering methods that we can use.

204 "Upal Ghosh" (3825460480)

00:29:47.669 --> 00:29:56.309

To reduce those exposure mechanisms so when we think about contaminated segments and the Anacostia, for example.

205 "Upal Ghosh" (3825460480)

00:29:56.309 --> 00:30:07.259

There are 2 primary pathways from which, uh, through which these pollutants, the PCBs and other pollutants and the sentiments make their way into the 4th, 1 is by.

206 "Upal Ghosh" (3825460480)

00:30:07.259 --> 00:30:21.029

The release through the pour water into the surface water, and then uptake into the plankton and the life in the water column. The other is the life that exists in the bed of the segments, the worms and the clamps that consume.

207 "Upal Ghosh" (3825460480)

00:30:21.029 --> 00:30:25.409

Parts of the debris in the sediments and pick up the PCBs.

208 "Upal Ghosh" (3825460480)

00:30:25.409 --> 00:30:30.419

And then the fish and other animals in the food web, then.

209 "Upal Ghosh" (3825460480)

00:30:30.419 --> 00:30:43.499

Consume those benthic organisms and get exposed to those pcps. So once we understand those processes, there are ways. Now, we can think about interrupting those transport processes and that's.

210 "Upal Ghosh" (3825460480)

00:30:43.499 --> 00:30:58.104

That was the motivation of the work. We did the reset we did 20 years ago, and we showed that by putting in a layer of strong absorbent material on that segment surface. We can greatly Disrupt that process of transfer.

211 "Upal Ghosh" (3825460480)

00:30:58.734 --> 00:31:03.414

So, this was all recently, 20 years ago. And, um, fast forward today.

212 "Upal Ghosh" (3825460480)

00:31:03.499 --> 00:31:12.749

You know, it's, it's become a more accepted technology, which is being used in many sites across the country to manage.

213 "Upal Ghosh" (3825460480)

00:31:12.749 --> 00:31:22.859

Exposure of pollutants without removing the segments from, um, some of these sites. So if you go to the next slide.

214 "Upal Ghosh" (3825460480)

00:31:23.484 --> 00:31:36.474

So, we so this is the approach of binding of the pollutants in for relatively less contaminate segments is now accepted in the scientific and regulatory community.

215 "Upal Ghosh" (3825460480)

00:31:36.474 --> 00:31:42.834

So I show it a couple of, uh, pictures here. Uh, the 1 on the left is a feature article.

216 "Upal Ghosh" (3825460480)

00:31:42.859 --> 00:31:48.689

Be published back in 2011, summarizing some of the results that were coming out of the labs.

217 "Upal Ghosh" (3825460480)

00:31:48.689 --> 00:31:55.619

And proposing that Institute amendments is a new direction for contaminate excitement management, which.

218 "Upal Ghosh" (3825460480)

00:31:55.619 --> 00:32:04.739

Actually is able to reduce that exposure and control the pollution from getting into the aquatic food web and.

219 "Upal Ghosh" (3825460480)

00:32:04.739 --> 00:32:12.479

Um, the, the, the receptor organisms, and, um, the humans that get exposed to those pollutants.

220 "Upal Ghosh" (3825460480)

00:32:13.044 --> 00:32:27.084

And EPA and other regulatory agencies looked at that and, um, and came up EPA came up with this, uh, directive in 2013, which talks about use of amendments for Institute, limitation of supervised sites and that kind of open, um,

221 "Upal Ghosh" (3825460480)

00:32:27.084 --> 00:32:30.234

the area of, um. area of um

222 "Upal Ghosh" (3825460480)

00:32:30.599 --> 00:32:39.029

Uh, of using amendments without having to remove segments and much of that was being driven by the fact that.

223 "Upal Ghosh" (3825460480)

00:32:39.029 --> 00:32:53.369

When people looked at how dredging and removing segments from condemning sites is ultimately, uh, resulting in the in, in, in, in reduction in the exposure we found that.

224 "Upal Ghosh" (3825460480)

00:32:53.369 --> 00:33:03.059

Many of these sites that went through a dredging and removal process ended up causing so much disruption and release of pollutants in the process of dredging.

225 "Upal Ghosh" (3825460480)

00:33:03.059 --> 00:33:07.079

That the net benefit was questionable, so that.

226 "Upal Ghosh" (3825460480)

00:33:07.104 --> 00:33:14.244

Led to this idea that why don't we think of ways to work with nature when nature is trying to bring natural segments,

227 "Upal Ghosh" (3825460480)

00:33:14.244 --> 00:33:22.824

cleaner segments over time to bury these contaminant segments deeper down into segments how do we enhance that process and work with nature?

228 "Upal Ghosh" (3825460480)

00:33:23.219 --> 00:33:34.049

To increase the binding and reduce the exposure of those pollutants in instead of disrupting the ecosystem and causing release in the process of remedy.

229 "Upal Ghosh" (3825460480)

00:33:34.284 --> 00:33:36.114

So that's become more accepted. Now.

230 "Upal Ghosh" (3825460480)

00:33:36.114 --> 00:33:48.504

If you go to the next slide, I'll show you an example of a site that we, um, um, worked with, uh, our collaborators in Delaware, Delaware, Department of natural resources and, um,

231 "Upal Ghosh" (3825460480)

00:33:48.624 --> 00:33:54.024

treated a 5 weaker lake mirror lake, which is part of a saint John's river system.

232 "Upal Ghosh" (3825460480)

00:33:54.049 --> 00:34:06.089

And, um, they put a layer of carbon to bind up the and the segments and the lake. And the result after 3 years, was that the blue Gill and the poolside, which are the resident fish in the lake.

233 "Upal Ghosh" (3825460480)

00:34:06.089 --> 00:34:14.819

The concentrations in the fish went down by 70%, and you can see the porch and the heading, which are migrator goes up and down.

234 "Upal Ghosh" (3825460480)

00:34:14.819 --> 00:34:28.169

The entire, um, Saint John's river is showing much less of a trend of decrease. So, although the background concentrations are going down maybe at a much slower rate. There's a big impact from.

235 "Upal Ghosh" (3825460480)

00:34:28.169 --> 00:34:32.099

Does Institute treatment of the segments with carbon.

236 "Upal Ghosh" (3825460480)

00:34:32.099 --> 00:34:46.584

That brought down those exposures in the resident fish, the 212 in the middle BlueGill and the bull head and, uh, there's a lot more details on how that work was done and what the results were in the paper that site in the bottom.

237 "Upal Ghosh" (3825460480)

00:34:46.584 --> 00:34:47.124

the bottom

238 "Upal Ghosh" (3825460480)

00:34:47.429 --> 00:34:50.999

So quickly switch to the next slide.

239 "Upal Ghosh" (3825460480)

00:34:57.089 --> 00:35:05.999

So, if we can move to the next slide, please. Yes so there are so this so that was back in 2013 when Delaware did.

240 "Upal Ghosh" (3825460480)

00:35:05.999 --> 00:35:14.904

1 of the 1st, large scale, um, applications of carbon and then, um, I have to mention also that we have experience doing this in Maryland.

241 "Upal Ghosh" (3825460480)

00:35:14.934 --> 00:35:25.614

Um, so Mark has spoken earlier about, uh, the the work that was done at, uh, middle river. Where about a 14 acre site with containment time and.

242 "Upal Ghosh" (3825460480)

00:35:25.999 --> 00:35:39.734

This was treated with carbon and I believe that was a great success story of reducing exposure from PCBs and segments 2 other sites that are full scale remedies that were completed in the last 2 years.

243 "Upal Ghosh" (3825460480)

00:35:39.734 --> 00:35:45.974

1 is in Elizabeth river paradise Creek, um, in Virginia and this is again about.

244 "Upal Ghosh" (3825460480)

00:35:45.999 --> 00:35:51.119

14 acres where carbon was placed in the bottom of the segments and that quick to.

245 "Upal Ghosh" (3825460480)

00:35:51.119 --> 00:36:02.484

Capture the PCBs and protect the water and the food web from the pollutants that are down deeper into the settlements and they did a couple of different types of applications. There.

246 "Upal Ghosh" (3825460480)

00:36:02.484 --> 00:36:10.974

1 was a direct application on the carbon on the top segments, and certain areas where there was potential for erosion. They put a layer of sand, which you can see in that.

247 "Upal Ghosh" (3825460480)

00:36:11.119 --> 00:36:22.859

Picture of that core taken out of that segment. So you see the containment segments below a layer of carbon and then a layer of sign on top. So some of the areas, uh, were treated like that.

248 "Upal Ghosh" (3825460480)

00:36:23.184 --> 00:36:33.354

And then EPA used this approach in, um, Scanlan reservoir in Minnesota, which is contaminated with, uh, dioxins and Florence.

249 "Upal Ghosh" (3825460480)

00:36:33.804 --> 00:36:38.514

This was done last year where, um, about again, about 15 acres.

250 "Upal Ghosh" (3825460480)

00:36:38.729 --> 00:36:50.879

Was treated with a direct application of carbon and, uh, the ideas that the carbon binds up, the pollutants reduces the export. So that's kind of in a nutshell where Institute treatment is where.

251 "Upal Ghosh" (3825460480)

00:36:50.879 --> 00:36:57.569

It's been demonstrated and now, um, it's being applied at full scale at multiple sites.

252 "Upal Ghosh" (3825460480)

00:36:57.569 --> 00:37:08.009

Across the country where the idea is that if we have moderately low levels of contaminants and contaminants and segments, we can bring down that exposure.

253 "Upal Ghosh" (3825460480)

00:37:08.009 --> 00:37:12.239

By treating the segments with an activated carbon layered.

254 "Upal Ghosh" (3825460480)

00:37:12.239 --> 00:37:17.369

And not have to pick up the segments and move the problem somewhere else.

255 "Upal Ghosh" (3825460480)

00:37:17.694 --> 00:37:27.084

And that's becoming more accepted as a native based solution that works with nature in reducing the exposure over time.

256 "Upal Ghosh" (3825460480)

00:37:27.654 --> 00:37:37.194

And the idea is that over time as clean segments deposit on top of that treated layer, that that treatment layer will serve as a barrier between the new cleaner segments.

257 "Upal Ghosh" (3825460480)

00:37:37.369 --> 00:37:45.629

Positive on the top from the more contaminated segments that lie, uh, below. So if you move to the next.

258 "Upal Ghosh" (3825460480)

00:37:45.629 --> 00:37:49.289

Switch to the, the next concept.

259 "Upal Ghosh" (3825460480)

00:37:49.289 --> 00:37:55.349

Of, um, looking at, uh, using this approach of amendments.

260 "Upal Ghosh" (3825460480)

00:37:55.349 --> 00:38:05.069

For beneficial, use of sediments for wetland creation or scrolling respiration efforts. And this is a schematic showing how that might work.

261 "Upal Ghosh" (3825460480)

00:38:05.069 --> 00:38:17.100

So, when we, when we take a strong absorbent, like, activated carbon and put it in segments and binds of the periods and makes it less available for organisms to take up those pollutants.

262 "Upal Ghosh" (3825460480)

00:38:17.100 --> 00:38:24.060

And that's working out at the field scale as well. It's no longer, uh, uh, research, um, experiment.

263 "Upal Ghosh" (3825460480)

00:38:24.060 --> 00:38:38.580

So, with the Army Corps efforts at bringing in engineering, with natured approaches to managing large scale segment problems, now, there is a lot of interest in looking at the use of amendments.

264 "Upal Ghosh" (3825460480)

00:38:38.580 --> 00:38:46.590

For rendering sediments that come out of under under the water, which have low levels of pollutants.

265 "Upal Ghosh" (3825460480)

00:38:46.590 --> 00:38:52.620

Um, and the mailing it with, uh, the right kind of servants to be able to.

266 "Upal Ghosh" (3825460480)

00:38:52.915 --> 00:39:05.755

Cut down the exposure of these pollutants, bind it up in those segments, and then use that segment locally in the vicinity to create wetlands and also mitigate against sea level rise and so forth.

267 "Upal Ghosh" (3825460480)

00:39:06.235 --> 00:39:12.445

So there are multiple studies going on in the country we are involved in. Um, in in some of this effort.

268 "Upal Ghosh" (3825460480)

00:39:12.620 --> 00:39:21.660

Where, uh, we're looking at this concept of bread segments that come from, say nearby area where the contaminants are at low levels.

269 "Upal Ghosh" (3825460480)

00:39:21.660 --> 00:39:35.400

Can we sandwich it in a way to create a wetland system that might look what, like, what you have in the picture here where the red segments that have been either treated, or covered with a layer of treated material.

270 "Upal Ghosh" (3825460480)

00:39:35.400 --> 00:39:47.400

Maybe below, and also on top, and then on top of that, we have a habitat layer and then the habitat is grown on top of that. So then we have the great segments.

271 "Upal Ghosh" (3825460480)

00:39:47.725 --> 00:39:49.825

Which may have some pollutants,

272 "Upal Ghosh" (3825460480)

00:39:49.855 --> 00:40:04.855

any segments that we pick from the waterways today will have some level of pollutants because we have released it in the past and instead of taking those red segments away across the country into a landfill 1 approach would be to manage it in where

273 "Upal Ghosh" (3825460480)

00:40:04.855 --> 00:40:07.375

we understand these transport processes, the potential.

274 "Upal Ghosh" (3825460480)

00:40:07.400 --> 00:40:19.080

Exposure to the ecosystem and title pumping and so forth, but if we know these processes and understand how those processes work, we can create a system where the treated sentiments then.

275 "Upal Ghosh" (3825460480)

00:40:19.375 --> 00:40:30.745

Act as a barrier layer to prevent those contaminants from coming out. Now, there are a lot of issues that has to be worked out, which is the segments stability issues, and the pollutant stability issues.

276 "Upal Ghosh" (3825460480)

00:40:30.745 --> 00:40:39.055

But we understand all of that now, in a, in a much better way that allows us to tailor these treatment systems to.

277 "Upal Ghosh" (3825460480)

00:40:39.080 --> 00:40:41.730

Be able to manage contaminants in.

278 "Upal Ghosh" (3825460480)

00:40:42.565 --> 00:40:55.015

Um, so, uh, so there's a lot of effort going on here. We are involved in work, looking at segments from Baltimore heartburn and I'll show you a few, uh, pictures of that. I saw this in keen is in the audience.

279 "Upal Ghosh" (3825460480)

00:40:55.015 --> 00:41:01.495

He got started looking at great segments from Baltimore harbor and, um, so if we go to the next slide.

280 "Upal Ghosh" (3825460480)

00:41:01.730 --> 00:41:14.640

So, we are looking at some of these red segments that came from, uh, the, uh, dredging of the channels in the Baltimore harbor, working with the port administration. And, um.

281 "Upal Ghosh" (3825460480)

00:41:14.640 --> 00:41:28.770

We are looking at how to manage these red segments that are building up over time, and we need to find beneficial use for these segments. And these are not, you know, when we take it through chemical analysis, we do find levels of pollutants that.

282 "Upal Ghosh" (3825460480)

00:41:28.770 --> 00:41:41.040

Um, raise concern, but these are not sentiments coming from, um, uh, super fun sites. These are low levels of believers. So if you go to the next slides.

283 "Upal Ghosh" (3825460480)

00:41:41.040 --> 00:41:54.265

So, for example, we looked at 10 different locations from address management confinement unit in Baltimore harbor and then some of those 8, some of those sites have elevated concentrations of in the segment for water.

284 "Upal Ghosh" (3825460480)

00:41:54.505 --> 00:42:00.625

So, then, the concern is that if you use it for wetland creation, we'll have a wetland that has elevated core water.

285 "Upal Ghosh" (3825460480)

00:42:01.040 --> 00:42:05.130

The concentrations that will go up the food back. Now, can we do something about that?

286 "Upal Ghosh" (3825460480)

00:42:05.395 --> 00:42:20.305

Um, and those levels are higher than the ambient workload criteria, which would be a concern for release and and so forth. So we want to bring down those what are concentrations that are at equilibrium with those segments. So that it's not a problem.

287 "Upal Ghosh" (3825460480)

00:42:20.395 --> 00:42:21.745

So, if you go to the next slide.

288 "Upal Ghosh" (3825460480)

00:42:23.820 --> 00:42:30.840

Um, so we did a bunch of studies in the lab, so these are coming back to the lab studies. Now, we'll take took those segments red settlements and.

289 "Upal Ghosh" (3825460480)

00:42:30.840 --> 00:42:39.510

Did amendments with different kinds of materials, activated, carbons, bio charts of various various kinds, and looked at the dose and effect of.

290 "Upal Ghosh" (3825460480)

00:42:39.510 --> 00:42:46.710

Those amendments in bringing down those water concentrations in that, uh, what segment?

291 "Upal Ghosh" (3825460480)

00:42:46.710 --> 00:42:55.650

Uh, if you go to the next slide, um, we also took those segments and performed by accumulation studies. So, 1 of the Explorer pathways is.

292 "Upal Ghosh" (3825460480)

00:42:55.650 --> 00:43:05.605

Wars that live in those segments, pick up those pollutants and then when the fish eat those warms, it gets transported to the fish. So we did these lab by accumulation studies.

293 "Upal Ghosh" (3825460480)

00:43:05.605 --> 00:43:15.565

Where in the beakers you could take those segments either treated or not treated with those amendments. And then grow warms in them and then analyze those worms to see how much PCB.

294 "Upal Ghosh" (3825460480)

00:43:15.650 --> 00:43:21.450

Are in the worlds, so I'll show you 2 slides with those results from those experiments.

295 "Upal Ghosh" (3825460480)

00:43:22.225 --> 00:43:36.235

If you go to the next slide, so this is the 1st slide looking at the effect of amendments on the, and those on the poor water concentration. So, what we're trying to bring down here is the concentrations of the water in those segments.

296 "Upal Ghosh" (3825460480)

00:43:36.235 --> 00:43:41.305

We call it poor water, because it's sitting in the ports between the segment particles. So, if you.

297 "Upal Ghosh" (3825460480)

00:43:41.450 --> 00:43:46.140

Look at the bar on the on the far, right? That's untreated segments.

298 "Upal Ghosh" (3825460480)

00:43:46.140 --> 00:43:50.100

Relatively high Coldwater PCB concentrations there.

299 "Upal Ghosh" (3825460480)

00:43:50.100 --> 00:43:57.300

And then we are looking at adding different kinds of amendments if we look at the legend in the X axis there. Um.

300 "Upal Ghosh" (3825460480)

00:43:57.300 --> 00:44:03.480

Uh, SMS, bio chart that's spent mushroom substrate.

301 "Upal Ghosh" (3825460480)

00:44:03.480 --> 00:44:15.060

Used to make a bio chart at different levels 5%, 3%, 1% and you can see that. There's a, those effect when we put 5% of that buyer chart into that segments.

302 "Upal Ghosh" (3825460480)

00:44:15.060 --> 00:44:22.795

You get the maximum reduction in those for water concentrations uh, same for the cow maneuver bio chart.

303 "Upal Ghosh" (3825460480)

00:44:22.915 --> 00:44:35.005

So that's the middle uh, that's in the middle there and then hardwood bio chars but those reductions are kind of moderate. They're not super high reductions. Once we go into the activated carbons, which are.

304 "Upal Ghosh" (3825460480)

00:44:35.060 --> 00:44:46.530

Activated to be able to absorb a lot of these pollutants you need very little so you're looking at a coal base activated carbons 1% by weight.

305 "Upal Ghosh" (3825460480)

00:44:46.530 --> 00:45:00.630

And you get 99% reduction in the pool water concentration and that's why activated carbons are made. They are super exorbitant. Their surface area is much higher than these bio charts. But then there is a range of materials that we can look at in terms of cost.

306 "Upal Ghosh" (3825460480)

00:45:00.630 --> 00:45:04.710

And feasibility and local production to be able to achieve.

307 "Upal Ghosh" (3825460480)

00:45:04.710 --> 00:45:12.630

The target, which would be a reduced for water concentrations to a certain level, which will then make it less.

308 "Upal Ghosh" (3825460480)

00:45:12.630 --> 00:45:16.380

Of a concern for ecological exposure.

309 "Upal Ghosh" (3825460480)

00:45:16.380 --> 00:45:25.410

So, um, so that's 1 of the things we looked at, and then we use those same sentiments for by accumulation studies. So if you go to the next slide.

310 "Upal Ghosh" (3825460480)

00:45:25.410 --> 00:45:32.010

We see the same effect here as we add these amendments into those segments.

311 "Upal Ghosh" (3825460480)

00:45:32.425 --> 00:45:44.485

The uptake in the world's go down. So this is going from left to right now left is the control segment without any amendments. We get a big, uh, uptake into the worlds of pcds.

312 "Upal Ghosh" (3825460480)

00:45:44.515 --> 00:45:50.905

So these are tissue concentrations, but as we look at these different amendments, especially with the activated carbon amendment.

313 "Upal Ghosh" (3825460480)

00:45:51.210 --> 00:46:06.120

The reductions are 98% 97% and so forth so get huge reduction. So we may not even need 1% amendment for these materials, which are, um, where these the segments seem to be very amenable for.

314 "Upal Ghosh" (3825460480)

00:46:06.120 --> 00:46:12.990

Amendments to bring down those by availability. So let's go to the next slide.

315 "Upal Ghosh" (3825460480)

00:46:13.735 --> 00:46:19.465

So, then there are different ways. We can place it we, you know, going back to that conceptual idea that we can have trade segments.

316 "Upal Ghosh" (3825460480)

00:46:19.495 --> 00:46:32.605

And then we can put a top layer of material, which is treated segments with the or activated carbon that then interrupts that pathway of exposure into the ecosystem. And that way we can use great segments and manage.

317 "Upal Ghosh" (3825460480)

00:46:32.990 --> 00:46:38.760

From those dead red segments to be able to beneficial use for battling creation.

318 "Upal Ghosh" (3825460480)

00:46:38.760 --> 00:46:47.850

Let's go to the next slide. Um, so, maybe in the interest of time, I'll just go with this. 1st.

319 "Upal Ghosh" (3825460480)

00:46:47.850 --> 00:46:55.500

Take a message here, so amendments provide a low cost alternative, um, for sustainable use of dress segments.

320 "Upal Ghosh" (3825460480)

00:46:55.500 --> 00:47:00.120

And it allows us to think about managing the segments.

321 "Upal Ghosh" (3825460480)

00:47:00.120 --> 00:47:05.700

That reduces the carbon footprint of our activity by not taking these across the country.

322 "Upal Ghosh" (3825460480)

00:47:05.700 --> 00:47:18.630

And provide a sustainable solution for segments that keep accumulating in our waterways because as the water flows segments, keep coming down these rivers and we have to find ways to.

323 "Upal Ghosh" (3825460480)

00:47:18.630 --> 00:47:23.640

Use those segments locally, which will also benefit us in terms of.

324 "Upal Ghosh" (3825460480)

00:47:23.640 --> 00:47:29.820

Sea level rise and shoreline protection, um, goals, so, and here and I'll be happy to take questions.

325 "Upal Ghosh" (3825460480)

00:47:33.090 --> 00:47:37.380

And acknowledgments, of course, thanks to all the students who did the work.

326 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:47:43.410 --> 00:47:51.210

All this is Mark. Real quick. Thanks. Dr. goes. So we've got a lot of questions in the chat window. Um.

327 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:47:51.210 --> 00:48:04.260

The 1st is, are you, are you all looking at the extensive quantities of dragon material being removed from the bladenboro Marina every year that's from Marian Dombrowski.

328 "Upal Ghosh" (3825460480)

00:48:04.260 --> 00:48:10.470

Uh, would love to look at that. We haven't looked at that, uh, material yet.

329 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:48:10.470 --> 00:48:14.550

2nd question is, can you share the.

330 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:48:14.550 --> 00:48:18.060

Baltimore harbour study. Okay.

331 "Upal Ghosh" (3825460480)

00:48:18.060 --> 00:48:23.040

Yes, we haven't finalized the report yet. The report is in the process.

332 "Upal Ghosh" (3825460480)

00:48:23.040 --> 00:48:29.280

So, next month, I should be able to share the report with everyone.

333 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:48:29.280 --> 00:48:34.170

Um, it looks like I oh.

334 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:48:34.170 --> 00:48:46.560

Uh, 1 more question from, uh, Chris Williams at a cost of watershed. Um, how low cost is this amendment approach? Can you give us a sense of the cost by area, or some other unit of measure?

335 "Upal Ghosh" (3825460480)

00:48:46.560 --> 00:48:56.370

Um, it's difficult for me to give you a cost right now. It really depends on the those that would be needed.

336 "Upal Ghosh" (3825460480)

00:48:56.370 --> 00:49:05.970

Um, but I would say that when people looked at Institute management and local, uh, beneficial use.

337 "Upal Ghosh" (3825460480)

00:49:05.970 --> 00:49:13.920

Of sediments, um, you know, if you have to compare with with, uh, the alternative of trading and putting it in line for.

338 "Upal Ghosh" (3825460480)

00:49:13.920 --> 00:49:20.880

Um, it's it's way less expensive than having to move segments across the country and.

339 "Upal Ghosh" (3825460480)

00:49:20.880 --> 00:49:28.860

Putting it in a landfill um, I don't have exact numbers here and that's 1 of the things that will come out in the report that we will be.

340 "Upal Ghosh" (3825460480)

00:49:28.860 --> 00:49:37.290

Publishing and sharing with everyone, but it's much much lower than the alternative of raising and putting in a.

341 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:49:37.290 --> 00:49:45.240

I see, uh, Mark, Mark, Mark also has a question. Has his hand raise? Go ahead mark.

342 "Mark Mank MDE" (1953170432)

00:49:45.240 --> 00:49:50.970

I've worked with Paul on this, and some of those are all excellent questions. What I would add to this is.

343 "Mark Mank MDE" (1953170432)

00:49:50.970 --> 00:49:56.880

There are significant complexities in any cost estimate model associated with something like this.

344 "Mark Mank MDE" (1953170432)

00:49:56.880 --> 00:50:06.300

The biggest thing, and if you think about it, I could just have a pile of dirt out front. The most expensive thing is paying someone to transport that 3rd from a, to B.

345 "Mark Mank MDE" (1953170432)

00:50:06.300 --> 00:50:09.810

So, um, distance move.

346 "Mark Mank MDE" (1953170432)

00:50:09.810 --> 00:50:15.810

All of those factors, all of the complexities associated with permitting. So.

347 "Mark Mank MDE" (1953170432)

00:50:15.810 --> 00:50:19.465

The army corps has rules all these entities have rules.

348 "Mark Mank MDE" (1953170432)

00:50:19.495 --> 00:50:31.765

So the next step in processes, like, this are to move through the regulatory pathways as to how you can do it and then start filling in the economics associated with that.

349 "Mark Mank MDE" (1953170432)

00:50:31.795 --> 00:50:35.635

Because the Army Corps will just let you suck a bunch of stuff up.

350 "Mark Mank MDE" (1953170432)

00:50:35.810 --> 00:50:41.010

Who Paul and I are out there with some, you know.

351 "Mark Mank MDE" (1953170432)

00:50:41.010 --> 00:50:49.440

Let's call it mining operation mixer and we then dump it back in the water. There's plenty more engineering and cost estimations.

352 "Mark Mank MDE" (1953170432)

00:50:49.945 --> 00:51:03.835

Pilot studies, but but I think the Anacostia is an area where it may be right for this process simply because there aren't facilities sitting along the banks by the National stadium or anything.

353 "Mark Mank MDE" (1953170432)

00:51:04.015 --> 00:51:09.265

So there are opportunities. Pilot studies are a way to go 1 important thing. And I hadn't seen this.

354 "Mark Mank MDE" (1953170432)

00:51:09.440 --> 00:51:15.840

So, who Paul's not going in on me here is really good. Excellent.

355 "Mark Mank MDE" (1953170432)

00:51:15.840 --> 00:51:29.995

What I would say, just to close, some of this is, uh, amendments like, this can go a long way to managing some of these few sources, which Paul alluded to that and we can't lose sight of that in this watershed or others.

356 "Mark Mank MDE" (1953170432)

00:51:29.995 --> 00:51:32.275

So, I'll flip it back to Paul.

357 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:51:33.870 --> 00:51:45.900

1 more question Dr goes just the layer of amended settlement have an effectiveness life once installed. Is it effective? And definitely that's again from Chris Williams at, and it costs abortion.

358 "Upal Ghosh" (3825460480)

00:51:45.900 --> 00:51:53.700

Yes, that's a very good question. And that's part of the design calculation of how much we need to treat.

359 "Upal Ghosh" (3825460480)

00:51:53.700 --> 00:51:59.190

So the so the dose of amendment is designed to be able to.

360 "Upal Ghosh" (3825460480)

00:51:59.190 --> 00:52:04.920

Treat the existing PCB levels, and the segments that are being treated.

361 "Upal Ghosh" (3825460480)

00:52:04.920 --> 00:52:11.670

And so that would be effective in bringing down the by availability of.

362 "Upal Ghosh" (3825460480)

00:52:11.670 --> 00:52:19.020

Those in existing in the segments, if there's a continuing source of coming into the segments from wherever.

363 "Upal Ghosh" (3825460480)

00:52:19.020 --> 00:52:29.070

1 would have to know that and and those it accordingly but that's part of the calculation to make sure that the dose that's applied it is effective.

364 "Upal Ghosh" (3825460480)

00:52:29.070 --> 00:52:41.640

In, uh, treating the repository that's there for the that exist in those segments. And the effectiveness of the carbon doesn't diminish over time. It has been demonstrated for at least.

365 "Upal Ghosh" (3825460480)

00:52:41.640 --> 00:52:47.040

10 years in some of these sites that we have worked at, that this option doesn't change.

366 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:52:51.270 --> 00:53:06.025

Trey, I see that you're talking about a amended capping, not being sufficient treatment for the costumer because of it's impairment for depth. Um, did you, did you want to comment at all on on that, or ask a specific question of Dr.

367 "Anacostia Riverkeeper" (118718720)

00:53:06.780 --> 00:53:18.000

No, but thank you for the the opportunity I just wanted to make sure that as we're talking about these amendments, you know, it's very exciting. And I think it has a a huge.

368 "Anacostia Riverkeeper" (118718720)

00:53:18.000 --> 00:53:26.370

Potential benefit for allowing beneficial reuse of a lot more of the sentiment that we can dredge up. And if that brings the cost of dredging.

369 "Anacostia Riverkeeper" (118718720)

00:53:26.370 --> 00:53:38.005

Down because it eliminates having to ship a lot of hazardous material in a, in a severe chain of custody manner to the Great lakes or Texas, where they can handle the kind of level PCBs we have.

370 "Anacostia Riverkeeper" (118718720)

00:53:38.005 --> 00:53:45.835

And some of the hottest hotspots that that is very, very, very, potentially exciting for this watershed.

371 "Anacostia Riverkeeper" (118718720)

00:53:46.110 --> 00:53:56.125

Uh, and I was really glad to see in your presentation Dr ghost, the mention of it with regards to beneficial reuse and not just in in relationship to capping.

372 "Anacostia Riverkeeper" (118718720)

00:53:56.575 --> 00:54:05.485

Um, because we do, we keep hearing a lot about capping and wanting to do more capping and less stretching and I want to keep pushing back on that since we are severely impacted for depth.

373 "Anacostia Riverkeeper" (118718720)

00:54:05.730 --> 00:54:09.420

And it's having equity outcomes as well as.

374 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:54:09.420 --> 00:54:23.280

Just recreational outcomes and everything else can thanks. Ray. Maryanne. Did you want to read your comments as well? About a advocating for looking at segments? Removed from bloomsburg Marina.

375 "Marian" (1143714304)

00:54:26.550 --> 00:54:38.220

Sure, thank you. Yeah. Um, we have a, uh, 1 of our members is, um, friends of dual and creek, which, you know, the settlement ponds.

376 "Marian" (1143714304)

00:54:38.220 --> 00:54:42.450

Uh, are you know, they are in the dueling creek watershed?

377 "Marian" (1143714304)

00:54:42.450 --> 00:54:50.460

Uh, there's a lot of communities nearby and that the ponds are outside the lobby.

378 "Marian" (1143714304)

00:54:50.460 --> 00:54:54.450

But all that material, I mean, it's, it's.

379 "Marian" (1143714304)

00:54:54.450 --> 00:55:01.980

Incredible how much material it is, and it's accelerating over the years. They used to only dredge every 2 years.

380 "Marian" (1143714304)

00:55:01.980 --> 00:55:14.880

Now, now they dredge every year and, you know, also that Marina is heavily used by young people. But, you know, people who all ages and a lot of those people end up into water.

381 "Marian" (1143714304)

00:55:14.880 --> 00:55:25.560

A lot of people fish there and, you know, we keep asking about this and no, 1 seems to be looking at these segments. So we would really like to urge the, um.

382 "Marian" (1143714304)

00:55:25.560 --> 00:55:33.240

You know, leadership council to direct somebody to look at these settlements.

383 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:55:33.240 --> 00:55:38.370

Thanks thanks Marianne.

384 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:55:38.370 --> 00:55:50.220

And thanks Dr, gosh, uh, we've got, um, update for the DC and the customer record or restoration plan from Kara Nino. Cara is.

385 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:55:50.220 --> 00:55:55.920

Super cool. She is an environmental, um.

386 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:55:55.920 --> 00:56:00.930

Environmental Protection specialists. Sorry you bring up my bios here.

387 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:56:05.430 --> 00:56:17.515

There we go, so Kara is an environmental protection specialist in the watershed protection division and this role, she spearheads stakeholder and community engagement, diversity, equity inclusion and justice initiatives.

388 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:56:17.935 --> 00:56:25.405

And as the project manager for the DC Anacostia river corridor restoration plan, Carol holds a master's degree. And sustained.

389 "Richard Trent, Friends of Anacostia Park" (2582606080)

00:56:25.430 --> 00:56:35.370

Been planning from George Washington University in a certificate and advanced public engagement for local government from Pepperdine school of public policy. Take away care.

390 "Kara Pennino" (1507887872)

00:56:35.370 --> 00:56:44.220

Thanks, Richard and thank you all for having me today to talk about the DC and how should we record or restoration plan and it's like.

391 "Kara Pennino" (1507887872)

00:56:44.220 --> 00:56:54.115

So, a little background on the plan in 2020, it received funding to develop a restoration plan for the portion of the Anacostia river located within the district boundaries.

392 "Kara Pennino" (1507887872)

00:56:54.115 --> 00:57:01.225

We then issued a grant to bio habitats in the spring of 2021 to develop this plan. and twenty one to develop this plan

393 "Kara Pennino" (1507887872)

00:57:01.620 --> 00:57:11.220

File habitats, assembled team experience, and data analytics, natural resource, planning, ecological design, graphic design and public engagement.

394 "Kara Pennino" (1507887872)

00:57:11.220 --> 00:57:17.190

We are currently in year, 2 of 3 year project, period.

395 "Kara Pennino" (1507887872)

00:57:20.155 --> 00:57:21.565

So, what is the plan?

396 "Kara Pennino" (1507887872)

00:57:21.625 --> 00:57:28.345

Uh, the end product will be a holistic river restoration master plan for the Anacostia report,

397 "Kara Pennino" (1507887872)

00:57:28.345 --> 00:57:36.895

or the corridor is defined as the entire title section of the Anacostia river reaching from the channel to the edge of the.

398 "Kara Pennino" (1507887872)

00:57:37.190 --> 00:57:41.670

Do your floodplain within district boundaries as seen on the map in blue.

399 "Kara Pennino" (1507887872)

00:57:41.670 --> 00:57:50.310

Now, this plan will not only look at restoration opportunities, but also access and activation, which makes it a slightly unique plan.

400 "Kara Pennino" (1507887872)

00:57:50.310 --> 00:57:56.430

There are 4 driving priorities of this plan. They are storing the efficient wildlife.

401 "Kara Pennino" (1507887872)

00:57:56.430 --> 00:58:04.440

Improving water quality, adapting to climate change and increasing equal public access and recreational activities.

402 "Kara Pennino" (1507887872)

00:58:04.440 --> 00:58:17.640

Typically, this plan will identify overlapping restoration and public access opportunities that are not only feasible, but also reflective of the goals and needs of the stakeholders and surrounding communities and visitors.

403 "Kara Pennino" (1507887872)

00:58:21.385 --> 00:58:33.984

Now, you might be wondering why this plan is needed and how it will be helpful. So, Dewey has previously apply for funding for wetland restoration projects through Noah, EPA and other sources in discussion with the reviewers.

404 "Kara Pennino" (1507887872)

00:58:33.984 --> 00:58:37.555

We were told that these projects would be better received if they were.

405 "Kara Pennino" (1507887872)

00:58:37.640 --> 00:58:52.425

Part of an overarching restoration plan that I had gotten feedback and buy in from the public and key stakeholders. So our hope is that this plan will not only be helpful for Dewey, but anyone who's seeking funds for registration and activation projects along the corridor.

406 "Kara Pennino" (1507887872)

00:58:52.770 --> 00:58:54.625

The next question is, how are we doing it?

407 "Kara Pennino" (1507887872)

00:58:55.375 --> 00:59:08.155

So, this is being accomplished through a 3 phase effort that focuses on community consensus, building and coordination and collaboration between stakeholders, including our sister and federal partners and land owners.

408 "Kara Pennino" (1507887872)

00:59:08.995 --> 00:59:21.895

Next slide so we're currently in phase 2, which is the concept development where we have drafted a concept map, which identifies the restoration and activation strategies.

409 "Kara Pennino" (1507887872)

00:59:22.255 --> 00:59:25.195

We now want to get a gut check on this draft map.

410 "Kara Pennino" (1507887872)

00:59:25.470 --> 00:59:32.250

And we want to know if we comprehended what people are telling us what is missing. And if the proposed strategies are feasible.

411 "Kara Pennino" (1507887872)

00:59:32.250 --> 00:59:40.140

Now, we got to this point after spending a year and a half collecting data feedback and conducting an opportunity analysis.

412 "Kara Pennino" (1507887872)

00:59:40.140 --> 00:59:45.840

Now, see this evening during phase 1, this was done in a 2 prong approach.

413 "Kara Pennino" (1507887872)

00:59:45.840 --> 00:59:52.620

Uh, working closely with our sister and federal agency partners as well as stakeholders in the general public.

414 "Kara Pennino" (1507887872)

00:59:53.065 --> 01:00:02.755

Excellent. So 1 problem was public input and this included a public survey where we received close to 7,000 responses.

415 "Kara Pennino" (1507887872)

01:00:02.755 --> 01:00:12.445

We had pop up events conducted stakeholder interviews with 12 different people at public meetings and we have a stakeholder. stakeholder

416 "Kara Pennino" (1507887872)

01:00:12.620 --> 01:00:22.485

Committee or the sac for sure. So the leading charge of the FCC members is to help advise on conducting outreach engagement for this project.

417 "Kara Pennino" (1507887872)

01:00:23.025 --> 01:00:29.745

The committee was intentionally mindfully designed to include a diverse representation of district community members and leaders.

418 "Kara Pennino" (1507887872)

01:00:29.970 --> 01:00:39.390

Typically, we worked to ensure that there was the 1st, representation of gender race, background and mortar community represented on the sac.

419 "Kara Pennino" (1507887872)

01:00:39.390 --> 01:00:47.940

And see on these slides here, just a couple screen grabs of some of the feedback from the public meetings, and the surveys and the interviews.

420 "Kara Pennino" (1507887872)

01:00:48.625 --> 01:00:57.475

Excellent from all these engagement opportunities, we were able to identify key priorities for immediate attention.

421 "Kara Pennino" (1507887872)

01:00:58.015 --> 01:01:07.495

For example, we found that 99% of responses ranked cleanliness of the river as 1 of the most important factors in deciding to participate in river. in river

422 "Kara Pennino" (1507887872)

01:01:08.000 --> 01:01:12.120

So things like fishing are voting.

423 "Kara Pennino" (1507887872)

01:01:12.120 --> 01:01:26.070

The 2nd prong was to conduct a based geospatial opportunity analysis where our project team compiled synthesize and analyze existing geospatial data.

424 "Kara Pennino" (1507887872)

01:01:26.070 --> 01:01:34.890

To evaluate opportunities to address and improve the existing conditions of habitat water, quality, resiliency and access.

425 "Kara Pennino" (1507887872)

01:01:34.890 --> 01:01:38.070

As you can see here on these hotspot maps.

426 "Kara Pennino" (1507887872)

01:01:38.785 --> 01:01:53.065

So, the map on the left is of the habitat restoration, this identifies areas of functional habitat for a wide variety of native species. This was based on factors that impact aquatic in near shoreline, habitat wildlife.

427 "Kara Pennino" (1507887872)

01:01:53.095 --> 01:01:57.985

So, things like existing wetlands, forest, sub, aquatic, vegetation.

428 "Kara Pennino" (1507887872)

01:01:58.070 --> 01:02:11.190

The map on the right is a hotspot, Matt, that's looking at areas of water quality improvement that can be improved or enhanced through vegetation or buffers.

429 "Kara Pennino" (1507887872)

01:02:11.190 --> 01:02:16.170

That can filter blue and reduce erosion and areas where we can.

430 "Kara Pennino" (1507887872)

01:02:16.170 --> 01:02:19.470

Reduce impervious services, or install dmps.

431 "Kara Pennino" (1507887872)

01:02:19.470 --> 01:02:28.230

Next slide 2 more mats. The 1 on the left is looking at enhancing resiliency.

432 "Kara Pennino" (1507887872)

01:02:28.525 --> 01:02:42.205

So, this season is focused on considerations of nuisance flooding as well as the ability of these natural resources along the corridor to continue to provide the water quality and habitat benefits,

433 "Kara Pennino" (1507887872)

01:02:42.415 --> 01:02:47.935

even in the face of system changes, resulting from climate change and typically, sea level rise.

434 "Kara Pennino" (1507887872)

01:02:48.230 --> 01:02:54.390

And last, but not least we have the hotspot gap on the right which is the recreation and access.

435 "Kara Pennino" (1507887872)

01:02:54.390 --> 01:03:01.825

So this map identifies locations for actions or strategies that enhance public access to the waterfront.

436 "Kara Pennino" (1507887872)

01:03:02.275 --> 01:03:09.505

The assumption here is that increase public access can be achieved through addition or enhancement of community amenities.

437 "Kara Pennino" (1507887872)

01:03:09.750 --> 01:03:18.870

Such as new access points, expanding trail networks, public facilities, and the ability to access the waterfront through different modes of transportation.

438 "Kara Pennino" (1507887872)

01:03:18.870 --> 01:03:25.530

This all had a main focus on underserved communities in the vicinity of the project area.

439 "Kara Pennino" (1507887872)

01:03:25.530 --> 01:03:38.970

Next slide, so, from all of this information, our project team identified strategies and locations for both frustrations from order management and then also public access and recreation.

440 "Kara Pennino" (1507887872)

01:03:38.970 --> 01:03:51.390

Strategies like living shorelines or wildlife, humane platforms again this was directly from the public and stakeholder feedback into hotspot and Dallas maps.

441 "Kara Pennino" (1507887872)

01:03:51.390 --> 01:04:03.210

Next slide, so each of these strategies tie back to those 4 main goals of habitat restoration, water, quality, resiliency, and public recreation access.

442 "Kara Pennino" (1507887872)

01:04:03.210 --> 01:04:08.010

So, again, the goal is to identify overlapping areas for recreation.

443 "Kara Pennino" (1507887872)

01:04:08.010 --> 01:04:14.280

Uh, public access opportunities. Excellent.

444 "Kara Pennino" (1507887872)

01:04:14.280 --> 01:04:27.085

Another key, part of developing proposed frustration activation strategies is ensuring what we are proposing is not only reflective of what is needed and wanted, but it's also feasible and not in conflict with other plans.

445 "Kara Pennino" (1507887872)

01:04:27.475 --> 01:04:34.195

So this is where a lot of our work with our stakeholders, including our sister agencies, and federal agencies really came into.

446 "Kara Pennino" (1507887872)

01:04:34.280 --> 01:04:38.010

Play to find out what they're doing and what they're planning on doing.

447 "Kara Pennino" (1507887872)

01:04:38.010 --> 01:04:46.020

So, as you all know, there's a lot going on the river. This is just some of the ongoing projects and initiatives within the corridor.

448 "Kara Pennino" (1507887872)

01:04:46.020 --> 01:04:52.380

The planning team took these planned projects into account when they developed the proposed strategies.

449 "Kara Pennino" (1507887872)

01:04:52.380 --> 01:04:59.250

Our key focus though, at this point is to collect feedback on the new proposed strategies, not these already existing.

450 "Kara Pennino" (1507887872)

01:04:59.250 --> 01:05:10.440

Uh, plans without further, do like to show you the map. So if you could click on that link should open the.

451 "Kara Pennino" (1507887872)

01:05:16.619 --> 01:05:24.029

Right so this is the draft concept map. So, Dave, if you just want to zoom in and out and scroll up and down the corridor.

452 "Kara Pennino" (1507887872)

01:05:24.029 --> 01:05:34.079

What you will be able to see is the different strategy locations for both the restoration projects we're looking at.

453 "Kara Pennino" (1507887872)

01:05:34.079 --> 01:05:40.169

Um, areas for upland wetland restoration or stream daylight.

454 "Kara Pennino" (1507887872)

01:05:40.169 --> 01:05:44.489

I've seen in this, like, and blue collar, uh, in this.

455 "Kara Pennino" (1507887872)

01:05:44.489 --> 01:05:49.619

Darker brown color is the living shoreline restoration and Southern.

456 "Kara Pennino" (1507887872)

01:05:49.619 --> 01:05:56.639

Product vegetation areas, and then all these little icons represent different proposed amenities.

457 "Kara Pennino" (1507887872)

01:05:56.639 --> 01:06:04.014

And these again were selected from feedback through that whole public engagement in phase 1.

458 "Kara Pennino" (1507887872)

01:06:04.044 --> 01:06:12.534

so we have things like bird, watching areas, fishing, gathering, spaces, potential, swimming locations.

459 "Kara Pennino" (1507887872)

01:06:13.554 --> 01:06:26.784

And then there are a couple other icons that you'll notice ones that have been approved. And then, once I've been proposed, just again to indicate that we are incorporating all these other plans within this larger board or plan.

460 "Kara Pennino" (1507887872)

01:06:28.524 --> 01:06:41.304

Oh, you can go back to the slide deck and then you can just jump through the next couple slides because we're just there as backup in case for the map didn't work.

461 "Kara Pennino" (1507887872)

01:06:43.679 --> 01:06:57.539

Perfect all right so for next steps, we have a community meeting actually tonight that, but you all love for you to join, you're available. It is at 630 PM and it is being held virtually.

462 "Kara Pennino" (1507887872)

01:06:57.539 --> 01:07:11.189

All of these links I'll drop in the chat afterwards during this community meeting is where we will show this map, walk through more detail, explain the background of it and then have breakout room discussions.

463 "Kara Pennino" (1507887872)

01:07:11.189 --> 01:07:24.659

And then we have our phase 2 public survey, which is also open right now it's been open for a little over a month. The survey also has that map and has more opportunities and ways that people can provide feedback.

464 "Kara Pennino" (1507887872)

01:07:24.659 --> 01:07:38.189

On these proposed strategies again, this is our opportunity to kind of get that gut check of. Did we hear everyone in phase 1 correctly? Is there anything missing? Is there anything in conflict with each other that we might have missed?

465 "Kara Pennino" (1507887872)

01:07:38.189 --> 01:07:43.709

That public survey will remain open into the end of the month of Friday, June 30th.

466 "Kara Pennino" (1507887872)

01:07:43.709 --> 01:07:54.119

And then, once we conclude phase 2, we will roll into phase 3 where we will refine the strategies in the draft plan. This will happen over the summer.

467 "Kara Pennino" (1507887872)

01:07:54.119 --> 01:08:02.099

And then once we enter the fall on the winter is when we expect to have the final plan out for public review.

468 "Kara Pennino" (1507887872)

01:08:02.099 --> 01:08:07.169

For 30 days at that point and the time in between is when.

469 "Kara Pennino" (1507887872)

01:08:07.169 --> 01:08:15.239

We will be working again closely with other staff as well as our partners sister stakeholders.

470 "Kara Pennino" (1507887872)

01:08:15.239 --> 01:08:20.279

An committee, so this is a reader of process.

471 "Kara Pennino" (1507887872)

01:08:20.279 --> 01:08:24.209

In order to get this holistic map, uh, next slide.

472 "Kara Pennino" (1507887872)

01:08:30.059 --> 01:08:38.249

And then these are the project links again, I will drop them in the chat. So we have the project website. The community meeting that is tonight public survey.

473 "Kara Pennino" (1507887872)

01:08:38.249 --> 01:08:49.229

And then a link to that map that we were just running through that link is also embedded into the public survey, but just to have easy access we have over there.

474 "Kara Pennino" (1507887872)

01:08:49.229 --> 01:08:59.604

And then, I think that's my last slide. Yes. So, I know we're a little tight on time, but I'm happy to answer any questions. You can reach out to me via email or call me.

475 "Kara Pennino" (1507887872)

01:09:00.054 --> 01:09:07.854

And then again, we'll see, you say it's a public meeting where we can have further discussions on this and I will drop all of those links in the chat.

476 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:09:08.369 --> 01:09:21.029

Thanks, Karen. I'm not seeing any questions right now in the chat. I see a comment from Marion. Did you want to expound on your comment? Marian? It looks like your hands raised.

477 "Marian" (1143714304)

01:09:21.029 --> 01:09:25.319

Yes, yeah, I've talked to.

478 "Marian" (1143714304)

01:09:25.319 --> 01:09:30.389

Everybody involved in this project the upper end. The costume is sorely.

479 "Marian" (1143714304)

01:09:30.389 --> 01:09:37.169

Uh, you know, it's just not represented at all and the stakeholders.

480 "Marian" (1143714304)

01:09:37.524 --> 01:09:49.764

Uh, there's, you know, people for more than 20 years who have visited that river I mean, thousands of visits to the river, they teach voting to young people to old people.

481 "Marian" (1143714304)

01:09:49.974 --> 01:09:54.894

They engage in stewardship activities. They lead people in.

482 "Marian" (1143714304)

01:09:55.199 --> 01:09:59.579

Your activities and not 1 of those groups.

483 "Marian" (1143714304)

01:09:59.579 --> 01:10:06.414

The fissures, the voters, you know, any of those people not 1 is represented on that community.

484 "Marian" (1143714304)

01:10:06.414 --> 01:10:19.404

The only voters, in fact that are represented are in the lower end customer they rarely, very seldom come north of the CSS bridge. So, you know, I'm asking, would you.

485 "Marian" (1143714304)

01:10:19.579 --> 01:10:24.539

Please, you know, include that community. I have a number of other.

486 "Marian" (1143714304)

01:10:24.539 --> 01:10:31.679

You know, questions that I think I put them on that. I sent him to Gretchen this morning, and I hope I put him in a chat bot.

487 "Marian" (1143714304)

01:10:31.679 --> 01:10:35.279

I'm sorry, I get pretty worked up about that because.

488 "Marian" (1143714304)

01:10:35.279 --> 01:10:39.509

You know, a lot of us have dreamed and hope and plan.

489 "Marian" (1143714304)

01:10:39.509 --> 01:10:52.409

And, you know, talk about plans for this river, you know, we know every inch of the river we've been in the water many times, you know, we have seen, we've pulled people out of the river.

490 "Marian" (1143714304)

01:10:52.409 --> 01:10:55.769

You know, and it, it's just.

491 "Marian" (1143714304)

01:10:55.769 --> 01:11:01.589

It it's just so frustrating that, you know, we don't have an active voice.

492 "Marian" (1143714304)

01:11:01.589 --> 01:11:06.569

So, yeah, I have a bunch of specific questions, um.

493 "Marian" (1143714304)

01:11:06.569 --> 01:11:13.949

And I will try to run, I mean, if you could respond to that, I'll find the.

494 "Kara Pennino" (1507887872)

01:11:13.949 --> 01:11:24.119

Yeah, I'm happy to respond to that and I do appreciate your passion and bringing this up. Um, and I just want to ask a clarifying question when you define the upper.

495 "Kara Pennino" (1507887872)

01:11:24.119 --> 01:11:29.009

Portion are you referring to the portion within district boundaries, or within Maryland?

496 "Marian" (1143714304)

01:11:29.009 --> 01:11:34.259

Yes, I am, you know, but between, um.

497 "Marian" (1143714304)

01:11:34.259 --> 01:11:47.429

Between the New York Avenue bridge, the district line and bending road, you know, there are some of the biggest opportunities for restoration. That area is completely absent of any facility for.

498 "Marian" (1143714304)

01:11:47.429 --> 01:12:01.344

You know, or boating or swimming or anything, and, you know, we see people swimming all the time. You know, a lot of the students fall in the river, you know, we a lot of us go into the river all the time to help.

499 "Marian" (1143714304)

01:12:01.344 --> 01:12:07.284

People get out of the river, you know, we see the people fishing. Yeah, that's the section I'm talking about.

500 "Marian" (1143714304)

01:12:07.429 --> 01:12:22.334

I mean, the Maryland section should be included too. You know, we're working really hard to try and get, you know, Maryland together on board with it. With us. We have a, with this program. We have a really good relationship with a part.

501 "Marian" (1143714304)

01:12:22.619 --> 01:12:32.459

Who is actively using this section of the river and, you know, I mean, if we could get some direction, some help from.

502 "Marian" (1143714304)

01:12:32.459 --> 01:12:44.964

Uh, you know, the leadership council and how to engage the Maryland section it's just, I mean, the part service, uh, I don't remember even how long ago, you know,

503 "Marian" (1143714304)

01:12:44.964 --> 01:12:49.104

engaged in this preparation of a map for the, um.

504 "Marian" (1143714304)

01:12:49.439 --> 01:12:57.659

Kingfisher trail it became, they publish, you know, a brochure called the, uh, the antique costume.

505 "Marian" (1143714304)

01:12:57.684 --> 01:12:59.844

River water trail, or something like that.

506 "Marian" (1143714304)

01:13:00.084 --> 01:13:12.954

And a lot a lot of the facility is already being used are listed there and, you know, it doesn't seem I mean, they give that out and all the parts and it doesn't seem like anybody is, you know,

507 "Marian" (1143714304)

01:13:12.954 --> 01:13:17.574

that was the 1st really comprehensive mapping of what exists.

508 "Marian" (1143714304)

01:13:17.659 --> 01:13:22.409

And that, you know, to kind of blow that work off.

509 "Marian" (1143714304)

01:13:22.794 --> 01:13:34.374

It's just, you know, it's just so frustrating, you know, the, the doc I came in island was planned during that time, it was very carefully planned with input from, you know,

510 "Marian" (1143714304)

01:13:34.374 --> 01:13:38.034

a very wide group of people knowledgeable to the river.

511 "Marian" (1143714304)

01:13:38.309 --> 01:13:49.919

And it's extremely successful, uh, you know, that's the kind of, you know, collaboration would like to have and, you know, I understand that D. C. is paying for the plan.

512 "Marian" (1143714304)

01:13:49.944 --> 01:13:59.844

Marilyn pays for dredging that Marina every year they're paying for a living shoreline they pay for the remediation of the dump there.

513 "Marian" (1143714304)

01:13:59.844 --> 01:14:06.954

The creation of wetlands it's not like they haven't done anything and, you know, to be ups and from this.

514 "Marian" (1143714304)

01:14:07.199 --> 01:14:10.409

Uh, just amazing effort. I mean.

515 "Marian" (1143714304)

01:14:10.409 --> 01:14:20.789

This is the kind of upper, you know, that you're doing that's needed for so long and is so well, um, but, yeah, so, uh, yeah, that's.

516 "Kara Pennino" (1507887872)

01:14:20.789 --> 01:14:34.914

Yeah, I agree. I appreciate your comments. I do want to add a couple points of clarity and acknowledge the understanding frustration of the boundaries within this project.

517 "Kara Pennino" (1507887872)

01:14:35.274 --> 01:14:40.704

Um, it being within strictly district boundaries and knowing that, obviously the river does not.

518 "Kara Pennino" (1507887872)

01:14:40.789 --> 01:14:44.863

Start and stop in only the district or the watershed itself.

519 "Kara Pennino" (1507887872)

01:14:45.194 --> 01:14:58.364

So I completely understand acknowledge that frustration and wanting to see that even more holistic approach that crosses the jurisdictional boundaries in regards to the representation of the stakeholder advisory group.

520 "Kara Pennino" (1507887872)

01:14:58.679 --> 01:15:13.409

So, we do have members from the friends of Kenilworth park, which is located on right? We, we're seeing the map right here, which is the utmost north end it within the quarter boundary. They do not use the river.

521 "Kara Pennino" (1507887872)

01:15:13.794 --> 01:15:22.554

I understand they're on the river. They do not use them. Sure. So we have our presentation also from community members within the surrounding neighborhoods.

522 "Kara Pennino" (1507887872)

01:15:22.554 --> 01:15:33.324

You do use the river as well as friends of the arboretum, which is on the other side in there. And then outside of the stakeholder committee, when we had our 12.

523 "Kara Pennino" (1507887872)

01:15:33.409 --> 01:15:35.009

Interview panel.

524 "Kara Pennino" (1507887872)

01:15:35.009 --> 01:15:49.884

Those included members from that area who are who I self identified as users of the river themselves and I do want to clarify to the role of the sac is strictly to advise E on outreach and engagement in order

525 "Kara Pennino" (1507887872)

01:15:49.884 --> 01:15:54.774

to reach more voices and empower more voices. Especially those who have.

526 "Kara Pennino" (1507887872)

01:15:55.009 --> 01:15:59.039

Definitely not been heard so they do not have, um.

527 "Kara Pennino" (1507887872)

01:15:59.039 --> 01:16:03.684

Additional insight or power and the direction of the plan per se.

528 "Kara Pennino" (1507887872)

01:16:03.834 --> 01:16:18.714

So I don't want anyone to feel like they're missing out on, you know, inside scoop on anything like that all of the plans that we've been sharing have been posted publicly on the survey as well. Online, and then in our public meetings.

529 "Kara Pennino" (1507887872)

01:16:19.039 --> 01:16:27.449

Also, as, you know, more than happy to have conversations and collect feedback and other means.

530 "Kara Pennino" (1507887872)

01:16:27.449 --> 01:16:39.809

Always looking for more ways, so I don't want people to feel like they cannot interact with plan and provide feedback because that is a open access across everyone regardless of where you live the.

531 "Kara Pennino" (1507887872)

01:16:39.809 --> 01:16:45.149

Restrictions when it comes to the boundaries of with the court or and then members.

532 "Kara Pennino" (1507887872)

01:16:45.149 --> 01:16:50.279

Selected as district residents outside of that, all of the other public engagement.

533 "Kara Pennino" (1507887872)

01:16:50.279 --> 01:16:55.859

Has been regardless of if you live in DC or Maryland or Virginia, or.

534 "Kara Pennino" (1507887872)

01:16:55.859 --> 01:17:03.599

California, not that we've had, but I know at least anyone from California providing comments, but that's just to say that.

535 "Kara Pennino" (1507887872)

01:17:03.599 --> 01:17:10.259

Your voice is still very much so heard, and we want to ensure that all those comments are incorporated in the plan.

536 "Kara Pennino" (1507887872)

01:17:10.259 --> 01:17:16.469

As we move forward of identifying what is it is not feasible and having this, this holistic approach.

537 "Marian" (1143714304)

01:17:16.469 --> 01:17:22.289

You're missing a group of more than 700 people.

538 "Marian" (1143714304)

01:17:22.289 --> 01:17:25.949

Regular users of the river, they're not all from.

539 "Marian" (1143714304)

01:17:25.949 --> 01:17:36.989

Maryland or Virginia, there's a lot, you know, there's good representation from DC and that's because the upper Anacostia has 0 facilities.

540 "Marian" (1143714304)

01:17:36.989 --> 01:17:40.469

0 facilities for voters and.

541 "Marian" (1143714304)

01:17:40.469 --> 01:17:50.549

You know, the, I mean, you can fall off the wall, you know, anyplace along there when, when you fish and people have and people have died.

542 "Marian" (1143714304)

01:17:50.549 --> 01:17:57.359

And, you know, you're not reaching that group. You're, you're just not, I mean, we don't have the capacity.

543 "Marian" (1143714304)

01:17:57.359 --> 01:18:02.069

To reach all those people, we're trying, but, you know, uh.

544 "Marian" (1143714304)

01:18:02.069 --> 01:18:06.959

I just don't understand why we're consistently dismiss.

545 "Kara Pennino" (1507887872)

01:18:06.959 --> 01:18:20.879

So, I'm not going to say anything more about I'd love to talk to you more about ways to ensure that you're not feeling dismissed and ways to capture those voices that have not already been.

546 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:18:20.879 --> 01:18:25.739

Yeah, Karen, you got 1 more question just the.

547 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:18:25.739 --> 01:18:33.089

Yeah, well, will there be another iteration of the plan after public review of the final plan?

548 "Kara Pennino" (1507887872)

01:18:33.089 --> 01:18:42.959

There will be the press from Chris and Anacostia watershed. Yep. So there will be so after this draft and then we'll take all the public feedback.

549 "Kara Pennino" (1507887872)

01:18:42.959 --> 01:18:49.469

Into consideration and then have the draft final plan that is what will be out for public review.

550 "Kara Pennino" (1507887872)

01:18:49.469 --> 01:18:55.739

Um, 1 step overview closes, then we'll have the final final plan that will be published.

551 "Kara Pennino" (1507887872)

01:18:55.739 --> 01:18:59.009

So the last opportunity to provide comment.

552 "Kara Pennino" (1507887872)

01:18:59.009 --> 01:19:02.519

Will be during that 30 day window of the.

553 "Kara Pennino" (1507887872)

01:19:02.519 --> 01:19:05.909

Uh, public review of the draft final plan.

554 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:19:05.909 --> 01:19:10.289

Sounds good Thank you so much. Cara yeah, thank you.

555 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:19:10.289 --> 01:19:17.099

Versus damage assessment and restoration update from Gretchen McCaskill.

556 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:19:17.099 --> 01:19:30.389

And Gretchen is the Anacostia coordinator for she keeps director Jackson up to date on many of the aspects of the Anacostia river settlement project the natural resources damage assessment and restoration.

557 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:19:30.389 --> 01:19:40.649

Um, and in coordinates with a cost record, our stakeholders, she also serves as a district trustee representative for the Anacostia river and our.

558 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:19:40.649 --> 01:19:46.679

D, for the natural resources damage assessment and restoration take away Gretchen.

559 "gretchen mikeska" (248144896)

01:19:46.679 --> 01:19:49.979

Richard, um.

560 "gretchen mikeska" (248144896)

01:19:49.979 --> 01:20:00.269

I think that this presentation is a good follow up to, um, what what car was talking about with the quarter plan because we, as the.

561 "gretchen mikeska" (248144896)

01:20:00.269 --> 01:20:12.359

And across your river, nudata trustees are, um, using this plan to inform, um, some of the assessments that we're doing and we'll be doing in the future under.

562 "gretchen mikeska" (248144896)

01:20:12.359 --> 01:20:16.949

Um, next slide please.

563 "gretchen mikeska" (248144896)

01:20:16.949 --> 01:20:24.029

So this is a slide that I show essentially, we give updates at this leadership council meeting for.

564 "gretchen mikeska" (248144896)

01:20:24.504 --> 01:20:37.284

And this is a slide that I have been showing each time. It's a slide that is produced by Noah, and we are essentially on phase 2 now and phase 2 is the assessment and planning phase.

565 "gretchen mikeska" (248144896)

01:20:37.314 --> 01:20:42.804

And admittedly, this is a phase that takes the longest time.

566 "gretchen mikeska" (248144896)

01:20:43.169 --> 01:20:56.069

Uh, there was just a conference in New Orleans that was hosted by department of interior. A lot of the other people in the mid Atlantic attended.

567 "gretchen mikeska" (248144896)

01:20:56.154 --> 01:21:06.804

And some of these people had been working on, um, some of their projects for, um, you know, literally 20 years or so and are funny getting to the end of them. Hopefully, we will not take as long.

568 "gretchen mikeska" (248144896)

01:21:07.284 --> 01:21:15.774

But, um, you know, we are embarking on this phase 2 now, which is what I want to update you on. So.

569 "gretchen mikeska" (248144896)

01:21:16.069 --> 01:21:19.589

Next slide please.

570 "gretchen mikeska" (248144896)

01:21:19.589 --> 01:21:26.544

So, essentially, our nerd, a working group, we had the general trustees and the technical and legal groups,

571 "gretchen mikeska" (248144896)

01:21:26.544 --> 01:21:39.504

and we all meet monthly as I described in the March meeting we have just started our damage assessment plan. And that's currently under review by the trustees. And.

572 "gretchen mikeska" (248144896)

01:21:39.589 --> 01:21:51.329

I will go out for public comment this summer. Um, also, national park service and, uh, the district Department of energy environment have engaged.

573 "gretchen mikeska" (248144896)

01:21:51.624 --> 01:22:02.904

Industrial economics as our consultants, because is, um, a complicated process, and we found that we need it some more expertise.

574 "gretchen mikeska" (248144896)

01:22:02.934 --> 01:22:09.534

And so they are 1 of the leading experts in, um, in the area. So we have engaged them.

575 "gretchen mikeska" (248144896)

01:22:09.989 --> 01:22:20.249

As, as a perk service, so they're helping, but the district and the trustee overall trustees to go through the process.

576 "gretchen mikeska" (248144896)

01:22:20.249 --> 01:22:24.809

Um, next slide please.

577 "gretchen mikeska" (248144896)

01:22:24.809 --> 01:22:29.069

So specifically, this damage assessment plan.

578 "gretchen mikeska" (248144896)

01:22:29.069 --> 01:22:41.729

So this is the, um, plan itself we look at the end customer really under the same footprint as the Anacostia river sediment project, which goes from the confluence with the.

579 "gretchen mikeska" (248144896)

01:22:41.729 --> 01:22:54.209

Washington channel came in late all the way to the Northeast North West Branch above bloomsburg. So we look at the entire study area.

580 "gretchen mikeska" (248144896)

01:22:54.209 --> 01:23:05.309

Um, so essentially, this DAP establishes the process for looking at the injuries and the service losses service losses.

581 "gretchen mikeska" (248144896)

01:23:05.309 --> 01:23:11.699

That has stem from the release of hazard substances over.

582 "gretchen mikeska" (248144896)

01:23:11.699 --> 01:23:22.919

The last we usually use as baseline as 9,981 and that basically links with, um, the.

583 "gretchen mikeska" (248144896)

01:23:22.919 --> 01:23:35.879

Sarah amendments, the injuries are divided into 3 categories for the Anacostia river. We're looking at the ecological injuries.

584 "gretchen mikeska" (248144896)

01:23:35.879 --> 01:23:40.409

And those are impacted representative species and habitat.

585 "gretchen mikeska" (248144896)

01:23:40.409 --> 01:23:48.959

And basically, our technical team right now is producing a, um, here.

586 "gretchen mikeska" (248144896)

01:23:48.959 --> 01:23:52.919

The habitat, um.

587 "gretchen mikeska" (248144896)

01:23:53.634 --> 01:24:00.894

Equivalency analysis, and we're starting looking at Petco cove as, um, the start of that work.

588 "gretchen mikeska" (248144896)

01:24:01.434 --> 01:24:12.054

So the habitat equivalency analysis essentially is looking at the injuries in that area. And then some of the, um.

589 "gretchen mikeska" (248144896)

01:24:12.599 --> 01:24:22.169

Techniques that will use a PETCO. Cove will then be used to look at a river wide when we get, um, done with the area.

590 "gretchen mikeska" (248144896)

01:24:22.169 --> 01:24:31.889

For the district, we are looking at groundwater injuries and the reason that is a, um, district.

591 "gretchen mikeska" (248144896)

01:24:31.889 --> 01:24:37.589

Kind of only, um, effort is because Graham order is considered a s.

592 "gretchen mikeska" (248144896)

01:24:37.589 --> 01:24:46.709

Date issue, and for the case, um, the district is considered a state.

593 "gretchen mikeska" (248144896)

01:24:46.709 --> 01:24:57.029

Um, so we right now we're working on that again, with the hope of we are determining the volume of groundwater impact.

594 "gretchen mikeska" (248144896)

01:24:57.029 --> 01:25:10.164

And that in turn will be used to specify the land acreage that will be targeted for restoration. The 3rd, category of injuries is the loss human services.

595 "gretchen mikeska" (248144896)

01:25:10.164 --> 01:25:17.004

And this is where we looked at reduced opportunities along the river and the opportunities that.

596 "gretchen mikeska" (248144896)

01:25:17.029 --> 01:25:25.439

At the Anacostia generally has lost is in fishing, voting and swimming.

597 "gretchen mikeska" (248144896)

01:25:25.439 --> 01:25:32.639

And then we're also looking at lost human uses, considering environmental justice implications.

598 "gretchen mikeska" (248144896)

01:25:33.414 --> 01:25:43.944

And so this is, uh, turning out to be a very interesting assessment, uh, specifically, considering the EJ concerns,

599 "gretchen mikeska" (248144896)

01:25:43.944 --> 01:25:52.404

because in this case we'll look at if communities of color or any economically disadvantaged communities.

600 "gretchen mikeska" (248144896)

01:25:52.639 --> 01:25:57.719

Been proportionally deprived of access to.

601 "gretchen mikeska" (248144896)

01:25:57.719 --> 01:26:06.869

The healthy natural resources of the Anacostia river. So, the 1 thing that we learned at the, uh.

602 "gretchen mikeska" (248144896)

01:26:06.869 --> 01:26:12.449

Workshop in New Orleans is, um, this look at.

603 "gretchen mikeska" (248144896)

01:26:12.449 --> 01:26:18.659

Ej concerns during this assessment phase is, um.

604 "gretchen mikeska" (248144896)

01:26:18.954 --> 01:26:24.714

Actually, new from an urban standpoint and so we're leading this effort.

605 "gretchen mikeska" (248144896)

01:26:24.744 --> 01:26:35.034

Um, not only here, but also, um, across the country and how we might, um, look at how EJ concerns are taking into account.

606 "gretchen mikeska" (248144896)

01:26:35.514 --> 01:26:50.364

And, um, you know, I can also say that this is, um, you know, supported, even further with the President's new directive that came out on, um, Earth day this year that, um, directs all the agencies across the country to specifically,

607 "gretchen mikeska" (248144896)

01:26:50.784 --> 01:26:54.834

um, take, um, environmental justice into their missions.

608 "gretchen mikeska" (248144896)

01:26:55.314 --> 01:27:09.294

Next slide please and this is our, um, list of trustee representatives for the Ana customer river Nerida. So we have Noah is represented, um, by Diane ever's.

609 "gretchen mikeska" (248144896)

01:27:10.494 --> 01:27:11.724

Christina Kravitz.

610 "gretchen mikeska" (248144896)

01:27:11.819 --> 01:27:20.399

Us fish and wildlife by who's also a leadership council member and then myself or the district.

611 "gretchen mikeska" (248144896)

01:27:20.399 --> 01:27:27.299

So that is my update for this quarter and I can take questions.

612 "gretchen mikeska" (248144896)

01:27:27.299 --> 01:27:39.509

We're getting a little behind, so I can maybe take a question if we have any, or we can also wait to the end because I think there was a question that was put in advanced questions.

613 "gretchen mikeska" (248144896)

01:27:39.509 --> 01:27:43.499

I don't see it. I'm not seeing any right now in the chat. Okay.

614 "gretchen mikeska" (248144896)

01:27:43.499 --> 01:27:49.529

Well, that's probably good since we're falling behind a little bit. So we can turn a deaf who always has.

615 "gretchen mikeska" (248144896)

01:27:49.529 --> 01:27:55.499

Oh, Gretchen is air quality part of the scope. y981.

616 "gretchen mikeska" (248144896)

01:27:55.499 --> 01:27:59.429

Um, you know, I'm going to.

617 "gretchen mikeska" (248144896)

01:27:59.724 --> 01:28:12.144

I think Christina Kravitz, if you want to talk about 99,991 um, what I did learn at the, um, again ahead. Our New Orleans effort is, um, you know, is certainly a, um, it's almost like a vacation.

618 "gretchen mikeska" (248144896)

01:28:12.174 --> 01:28:15.564

certainly a um it's almost like a vacation

619 "gretchen mikeska" (248144896)

01:28:15.899 --> 01:28:23.129

And since the district is sort of the newbies on the block, um, Christina, if you want to talk about 981 for a minute.

620 "Christina Kravitz NPS" (789696256)

01:28:23.129 --> 01:28:27.419

That would be great and then I think we better move on to dev.

621 "Christina Kravitz NPS" (789696256)

01:28:27.714 --> 01:28:41.334

Sure, so 981 is key because circle was passed towards the end of 9,980 and since that's the act in legislation that's giving us the natural resource damage authority. Um, we can't.

622 "Christina Kravitz NPS" (789696256)

01:28:41.334 --> 01:28:46.794

us the natural resource damage authority um we can't

623 "Christina Kravitz NPS" (789696256)

01:28:47.154 --> 01:28:57.564

Go before the act existed, uh, that said sometimes if the injuries happened before 981, and they still happen there, they can be encompassed.

624 "Christina Kravitz NPS" (789696256)

01:28:57.594 --> 01:29:06.864

But 981 still factors in, in terms of, um, the amount of kind of damages. of um the amount of kind of damages

625 "Christina Kravitz NPS" (789696256)

01:29:07.129 --> 01:29:21.674

Can pursue in terms of what happened to the environment from from that date and then real quick about the air quality. Um, air quality is often treated as a pathway.

626 "Christina Kravitz NPS" (789696256)

01:29:21.914 --> 01:29:25.244

And in our cases for.

627 "Christina Kravitz NPS" (789696256)

01:29:26.609 --> 01:29:33.084

For the contaminants to reach some of the other natural resources as endpoints.

628 "Christina Kravitz NPS" (789696256)

01:29:33.354 --> 01:29:41.694

Uh, the problem with pursuing air quality on its own is you need to show that.

629 "Christina Kravitz NPS" (789696256)

01:29:42.504 --> 01:29:47.064

It was actually injured and kind of some impacts of that.

630 "Christina Kravitz NPS" (789696256)

01:29:47.064 --> 01:29:58.013

So, air quality just ends up being, like I said, a pathway for the case, as opposed to something that you specifically target.

631 "Christina Kravitz NPS" (789696256)

01:29:59.399 --> 01:30:11.759

I can't see, the rest of the damage from dump is something.

632 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:30:11.759 --> 01:30:18.089

I don't know, we can maybe we can circle down during the question period. Okay, sounds good. Okay.

633 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:30:18.089 --> 01:30:26.069

So, we'll, we'll keep it moving to the Anacostia river segment project status. Update from Deborah Raleigh. Uh, dev is the, um.

634 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:30:26.069 --> 01:30:31.289

Sorry.

635 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:30:31.289 --> 01:30:37.619

There we go, there's the remedial project manager for the Anacostia reverse segment project. He's responsible for the.

636 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:30:37.619 --> 01:30:43.979

Implementation for the implementing the interim record of decision and determining as long term effectiveness.

637 "dev murali" (496233728)

01:30:43.979 --> 01:30:58.919

Go ahead, thank you. Good morning again. Uh, I'm going to be talking about, um, some of the analysis that we have done on some of the options for the remaining alternatives and then, uh, and then different driving scenarios.

638 "dev murali" (496233728)

01:30:58.919 --> 01:31:03.059

Um, as this is in the context of, um.

639 "dev murali" (496233728)

01:31:03.059 --> 01:31:10.169

Uh, the record of decision that we sign in 2020 and moving forward, I think we have come out with the.

640 "dev murali" (496233728)

01:31:10.169 --> 01:31:17.249

Redesign investigations we are in the process of completing that. So while part of the previous investigations.

641 "dev murali" (496233728)

01:31:17.249 --> 01:31:23.819

We have a better understanding in terms of the footprint, and we are where we have refined the footprint.

642 "dev murali" (496233728)

01:31:24.084 --> 01:31:39.054

And, uh, we have a, um, a much broader understanding in terms of the quantity of sentiment that needs to be addressed, uh, for remediation purposes. And I think it's it's almost equal to what it was in from the interim record of decision.

643 "dev murali" (496233728)

01:31:39.504 --> 01:31:43.434

It's almost like, 50 acres. Is what we need to be mediating for.

644 "dev murali" (496233728)

01:31:43.819 --> 01:31:54.779

Uh, came in Lake Washington channel and maintenance so, um, when you are coming back to the actually decision making for designing the systems.

645 "dev murali" (496233728)

01:31:54.779 --> 01:32:04.889

Um, it's, it's important that we, we go back and reconsider in terms of what are the, some of the best options that are available for us at our disposal. And then.

646 "dev murali" (496233728)

01:32:04.889 --> 01:32:10.439

Use that process to drive the decision making next slide please.

647 "dev murali" (496233728)

01:32:10.439 --> 01:32:16.709

So, again, uh, just going to give you these, some objectives of why we are doing this evaluation and then the.

648 "dev murali" (496233728)

01:32:16.709 --> 01:32:31.199

Some of the alternatives that we have looked at it, and then the predesigned data, uh, using that and then then there's some other assumptions and then most of the evaluation was based on the feasibility level, you know uh, and then also the cost next slide. Please. So.

649 "dev murali" (496233728)

01:32:32.094 --> 01:32:46.434

Uh, again, I think, uh, I think test, uh, earlier, I think this is, uh, pretty much, I think in terms of timing, it makes perfect sense and we are looking at some of the options, uh, when we start driving these settlements.

650 "dev murali" (496233728)

01:32:46.769 --> 01:32:53.489

And what are some of the options that are available to us? We can just go back and dress and dispose it off site.

651 "dev murali" (496233728)

01:32:53.514 --> 01:33:03.594

Or we can use the material back per beneficial reuse and you don't do that. And what are some of the mechanisms that need to be in place, you know, to ensure 1?

652 "dev murali" (496233728)

01:33:03.594 --> 01:33:10.674

I think, uh, um, these materials are, you know, safe, uh, and protective, uh, for intended use.

653 "dev murali" (496233728)

01:33:11.184 --> 01:33:17.484

And what sort of a, um, treatments are that needs to be occur before we put it back here.

654 "dev murali" (496233728)

01:33:17.844 --> 01:33:27.534

So, uh, in terms of looking at some of the options, you know, we, we have come out with, uh, uh, at least the preliminary layout the channels.

655 "dev murali" (496233728)

01:33:27.719 --> 01:33:33.569

And then, uh, some of the, you know, potential areas for the wetlands and also for.

656 "dev murali" (496233728)

01:33:33.569 --> 01:33:46.679

And then we have looked at some of the feasible type estimates here and did some comparative analysis and everything is primarily based on the, um, uh, national contingency plan criteria.

657 "dev murali" (496233728)

01:33:46.679 --> 01:34:01.199

Which has the 9 criteria, and I'll go through that a minute and then we're also looking at, uh, the all the, you know, operable units enough for the equipment like MailChimp and watching the channel. So, next slide please.

658 "dev murali" (496233728)

01:34:01.199 --> 01:34:10.259

Again, this is this is just primarily focused on the and, like, and I think, uh, from the introduction of decision, I think if we were to go back and, uh.

659 "dev murali" (496233728)

01:34:10.259 --> 01:34:21.869

Uh, look at this, this alternatives here. Um, pretty much offsite disposal. So, in other words, anything that that happens at at any of these locations within the like.

660 "dev murali" (496233728)

01:34:21.869 --> 01:34:30.119

Um, materials that needs to come out uh, we, we need to go back and dispose off site. So that was quality of we need to do that.

661 "dev murali" (496233728)

01:34:30.119 --> 01:34:36.209

Which means 78,500 QB occurs both from the channels as well as from the early action areas.

662 "dev murali" (496233728)

01:34:36.209 --> 01:34:44.519

So, they alternate, 12 and 3 basically, the differentiate between these 3 options are alternate. 1 is an outside disposal.

663 "dev murali" (496233728)

01:34:44.519 --> 01:34:53.334

And alternate 2 is an upload and placement when you start dressing this elements, we can go back and place it upland and then alternate 3 is the aquatic placement.

664 "dev murali" (496233728)

01:34:53.724 --> 01:35:00.804

The difference between 1 and B is basically, you know, you're touching the body channels as well as the early access areas.

665 "dev murali" (496233728)

01:35:01.049 --> 01:35:08.369

And whereas is only dredging the channels only and then you are doing the Institute treatment for.

666 "dev murali" (496233728)

01:35:08.369 --> 01:35:19.499

Early action areas, so so looking at, it's very obvious that if we just only the channels that, that the material comes down from 78,500 to 43,000.

667 "dev murali" (496233728)

01:35:19.499 --> 01:35:29.489

127, so that's almost like 35,000 cubic yards, less material that we need to manage it. So, again, um, we're going to be doing the.

668 "dev murali" (496233728)

01:35:29.489 --> 01:35:37.229

I think which Dr RuPaul goes talked about earlier. So I think that's pretty much the same concept that we'll be implementing here. So next slide please.

669 "dev murali" (496233728)

01:35:40.764 --> 01:35:53.604

This is a layout of the kingdom Kingdom lake, operable unit again. This is, uh, um, barometric map and a baseline map that kind of, uh, the entire area of the kingdom lake and and moving.

670 "dev murali" (496233728)

01:35:54.114 --> 01:35:58.644

The East is, uh, the North is on the East, uh, going towards your right.

671 "dev murali" (496233728)

01:35:58.889 --> 01:36:10.679

And I think, uh, you can see the backing road in the middle there and then the, uh, the East Capitol street. I think most of our problem lies between the betting road and, and each capital suite with 2.

672 "dev murali" (496233728)

01:36:11.694 --> 01:36:24.774

Uh, contaminated locations, uh, 1 in the Southwest part of it, and then 1 on the eastern part of it. So, I think, uh, uh, and you can see that the channel that we have laid out here, you know, uh, on this map here.

673 "dev murali" (496233728)

01:36:25.284 --> 01:36:30.594

And I think, uh, the, uh, some of the outfalls and some of the other features that are.

674 "dev murali" (496233728)

01:36:30.679 --> 01:36:37.619

There, and you can see some of the cubic yards, uh, in the volumes, uh, from each, uh, branch of the.

675 "dev murali" (496233728)

01:36:37.619 --> 01:36:48.719

Uh, the came in, like, you know, how much quantity will need to come out. So I think I'll go over this little bit more, you know, in the next few slides next slide. Please.

676 "dev murali" (496233728)

01:36:48.719 --> 01:36:53.249

And this is for the upper Kingdom lake, and not just from the inlet of the, uh.

677 "dev murali" (496233728)

01:36:53.249 --> 01:37:00.059

From the Anacostia to the billing road and I think, uh, this is not branch uh.

678 "dev murali" (496233728)

01:37:00.144 --> 01:37:10.464

Location, I think, uh, and you're gonna see a settlement trap, right? In the middle there, the green location, uh, basically to allow the material to deposit.

679 "dev murali" (496233728)

01:37:10.524 --> 01:37:20.034

Uh, so to keep the, uh, the channel flowing and and then minimize the, uh, siltation within the channel. So, I think, uh, the idea here.

680 "dev murali" (496233728)

01:37:20.059 --> 01:37:32.984

Here is to when we address these channels, uh, it has to last much longer period of time. So, I think that's 1 way to manage is to keep those, uh, sentiment traps in place. I think this is what we're proposing right now, but again, nothing is final.

681 "dev murali" (496233728)

01:37:33.344 --> 01:37:37.544

Uh, this will be in the 30% design that when we propose it. Uh, so. so

682 "dev murali" (496233728)

01:37:37.799 --> 01:37:43.349

I'll talk more about it in a minute so let's go to the next slide. Please.

683 "dev murali" (496233728)

01:37:43.349 --> 01:37:48.419

Uh, this is for the lower and then you will see this, uh, uh, 1 more, uh.

684 "dev murali" (496233728)

01:37:48.419 --> 01:37:53.999

Sentiment trap right there before the, uh, the, the walking bridge.

685 "dev murali" (496233728)

01:37:53.999 --> 01:38:02.909

Uh, into the, uh, Kingdom lake and heritage island, and I think you see those 2 big brown spots there. 1, Southwest and 1, the eastern side.

686 "dev murali" (496233728)

01:38:02.909 --> 01:38:11.219

Uh, the 1 on the western side is the, which is almost like 11 acres. The 1 on the eastern side is like a 1 acre. So total 12 acres.

687 "dev murali" (496233728)

01:38:11.219 --> 01:38:24.534

And I think, um, um, these, these are some of the areas that, that we will be looking at, uh, both in terms of dredging and Institute, uh, uh, remediation, and then also, um,

688 "dev murali" (496233728)

01:38:24.624 --> 01:38:30.444

creating wetlands in this area here. So, I think, uh, more on that, uh, as we, as we move, uh.

689 "dev murali" (496233728)

01:38:30.809 --> 01:38:37.709

And follow up discussions with our and our national resource administration, and also with the.

690 "dev murali" (496233728)

01:38:37.709 --> 01:38:45.389

Are we going to national park service and EPA? So next slide please.

691 "dev murali" (496233728)

01:38:45.389 --> 01:38:54.659

Now, this slide is, is kind of a busy, but I think, uh, I can make it a little bit easier for you. And then if you look at the again, the 303 options.

692 "dev murali" (496233728)

01:38:54.659 --> 01:39:05.454

Coordinate 12 and 31 is the upside disposal. Uh, an alternate through is the upland placement an alternate 3 is the beneficial use of material here.

693 "dev murali" (496233728)

01:39:05.454 --> 01:39:11.364

So, um, again, uh, if you look at the, the very 1st, uh, uh. uh uh

694 "dev murali" (496233728)

01:39:11.640 --> 01:39:15.960

Raw here, which is -7.3 feet.

695 "dev murali" (496233728)

01:39:15.960 --> 01:39:22.410

Which is the, um, I guess for the best case scenario, if you have the money and everything that we want.

696 "dev murali" (496233728)

01:39:22.410 --> 01:39:36.360

And this is what we would like to have, but obviously, you know, um, when we looked at this cost here, you know, like almost like a 78,000 cubic yards to dredge everything from the channel as well as from the early action area.

697 "dev murali" (496233728)

01:39:36.360 --> 01:39:45.000

The cost came out to be almost like 42Million dollars and then if we just only trace that only the channels like 24 mill. Right? So I said.

698 "dev murali" (496233728)

01:39:45.000 --> 01:39:56.520

W, W, W, if we go back and and do the same, um, different remedy here and then just instead of dragging, uh, if we just do the upland placement no that.

699 "dev murali" (496233728)

01:39:56.520 --> 01:40:02.370

Uh, that again comes down from almost like 100,042,000 to 28.

700 "dev murali" (496233728)

01:40:02.370 --> 01:40:13.945

And then 24 to 16, and if you go back and do the beneficial use, instead of stretching, instead of putting the machine on the airplane, and then go back and reuse on their credit placement and then obviously it's a little bit more expensive.

701 "dev murali" (496233728)

01:40:13.945 --> 01:40:22.345

And you can see those costs there, 37 and 25 mil then I said if I'm going by 7-7.3. going by seven minus seven point three

702 "dev murali" (496233728)

01:40:22.370 --> 01:40:29.190

We, uh, obviously, you know, this is the, uh, Cadillac, you know, that we want to have and obviously, you know, looking at this cost.

703 "dev murali" (496233728)

01:40:29.365 --> 01:40:44.035

Uh, it's just quite not feasible simply because it's just too darn expensive. So, what are some of the options available here? So let's go back and reconfigure the channel. So let's let's look at different, uh, depth here. -6.3-5.3. six point three minus five point three

704 "dev murali" (496233728)

01:40:44.340 --> 01:40:53.100

And looking at those options, it's very obvious that that, uh, at -5.3, um, um.

705 "dev murali" (496233728)

01:40:53.100 --> 01:40:57.360

The very last, but 1 column here and and you can see that.

706 "dev murali" (496233728)

01:40:57.655 --> 01:41:11.815

Um, for especially for the alternate, which is a uplink placement, uh, for, uh, the cost is somewhere around 8.2Million for, uh, for the for the volume of segment, which is almost like 13,738 cubic yards.

707 "dev murali" (496233728)

01:41:11.815 --> 01:41:17.275

Okay and if you go back and place the settlement traps. if you go back and place the settlement traps

708 "dev murali" (496233728)

01:41:17.360 --> 01:41:23.970

Uh, again that's already been traps will increase the volume from 13,738 to 26.

709 "dev murali" (496233728)

01:41:23.970 --> 01:41:27.990

1338, so all in all.

710 "dev murali" (496233728)

01:41:27.990 --> 01:41:32.640

The, the message that we want to get to you here is.

711 "dev murali" (496233728)

01:41:32.640 --> 01:41:37.410

If you go back and dress everything that we have here and dispose it off site.

712 "dev murali" (496233728)

01:41:37.410 --> 01:41:43.020

It's very expensive and if you go back and and basically dress only the channels.

713 "dev murali" (496233728)

01:41:43.020 --> 01:41:50.460

And then use the offline placement that is more feasible options. And I think this is where I think it's, it makes more sense.

714 "dev murali" (496233728)

01:41:50.460 --> 01:41:54.450

And again, having a settlement traps and, uh.

715 "dev murali" (496233728)

01:41:54.450 --> 01:42:07.260

Uh, whether or not to have sentiment traps or not, that is again something we can always, uh, continue to debate and and, um, and answer more questions on that. And obviously we need to get a buy in, from everybody.

716 "dev murali" (496233728)

01:42:07.260 --> 01:42:13.350

And if you need to go back and and do their credit placement, that's almost comparable in terms of the price.

717 "dev murali" (496233728)

01:42:13.350 --> 01:42:19.320

So this kind of gives you a menu of options, you know, when we talk about King, the lake.

718 "dev murali" (496233728)

01:42:19.320 --> 01:42:27.720

I know there's a lot of discussions, you know, earlier in the chat there, in terms of dredging. I think this accomplishes both the purpose. 1.

719 "dev murali" (496233728)

01:42:27.720 --> 01:42:42.295

To to make the kingdom lake, I think, more accessible for everybody and to I think it, it makes the, uh, the lake, uh, the kingdom lake, um, more accessible to the fish and aquatic species because we are increasing the.

720 "dev murali" (496233728)

01:42:42.780 --> 01:42:57.625

Flow of water into the lake, want to have the, and then 3rd to oxygenate the lake to have a better aquatic conditions and forth. I think we can increase the value of those back lines, you know, better by by, by having this.

721 "dev murali" (496233728)

01:42:57.810 --> 01:43:02.850

Source of, uh, water, you know, on a continuous basis. So next slide please.

722 "dev murali" (496233728)

01:43:09.270 --> 01:43:18.510

Now, when we looked at this PDF data edit, and it's very obvious that the northern part of the, uh, lake is is lot cleaner because, uh.

723 "dev murali" (496233728)

01:43:18.510 --> 01:43:23.100

Uh, it's, uh, because again we don't have any, um.

724 "dev murali" (496233728)

01:43:23.100 --> 01:43:33.390

Uh, at least the early acceleration, that part of the location there, and then the southern part of it, it's more contaminated more than 200. so, I think this is where.

725 "dev murali" (496233728)

01:43:33.390 --> 01:43:46.950

Uh, those 2 sites that we I talked about, you know, where we will be addressing the, you know, uh, remediation and then, um, we will, uh, we will we are right now in the process of doing the suitability study.

726 "dev murali" (496233728)

01:43:47.185 --> 01:44:01.585

And I think once we do the study and understand, precisely in terms of the carbon that would be needed, then we can go back and and start, uh, uh, uh, radiating, you know, the size, you know, as per the data, you know,

727 "dev murali" (496233728)

01:44:01.585 --> 01:44:04.795

coming out from the data. Okay, next slide please.

728 "dev murali" (496233728)

01:44:04.950 --> 01:44:19.290

These are some of the cost assumptions that was based on, you know, basically we have less than 5% carbon and we would, uh, they, if we do the aquatic placement, it would require capping.

729 "dev murali" (496233728)

01:44:19.290 --> 01:44:22.500

And then the channels that event will require free treatment.

730 "dev murali" (496233728)

01:44:22.500 --> 01:44:28.050

And then the cost, uh, again to meet the landfills criteria and then, uh.

731 "dev murali" (496233728)

01:44:28.050 --> 01:44:33.570

Again, the thresholds are something that was recommended by national park service more than 200.

732 "dev murali" (496233728)

01:44:33.570 --> 01:44:44.370

For treatment and toxicity testing so I think we agree with that. And then, uh, the secondary line of evidence, which is toxic testing for next slide please.

733 "dev murali" (496233728)

01:44:44.370 --> 01:44:55.020

Again, as I said, this is just based on the 9 right here, the threshold criteria the balancing and modifying criteria again, to the idea is to be protective a few minutes environment.

734 "dev murali" (496233728)

01:44:55.020 --> 01:45:02.940

And then meet errors and then long term effectiveness, uh, to reduce the toxicity mobility and volume. And also the costs.

735 "dev murali" (496233728)

01:45:02.940 --> 01:45:07.350

And then the modifying criteria is basically the state and public acceptance.

736 "dev murali" (496233728)

01:45:07.350 --> 01:45:19.405

And I think the 30%, uh, design document, there should be coming up in the fall will give you an opportunity for everybody to come in and provide input to make sure that we're all participating in the process here.

737 "dev murali" (496233728)

01:45:19.405 --> 01:45:26.965

And we all agree with the, uh, process for, for actually have making this remedy, you know, uh, uh. uh

738 "dev murali" (496233728)

01:45:27.350 --> 01:45:32.670

The lines of, uh, completing, you know, to meet our feasible and assemble goals next slide please.

739 "dev murali" (496233728)

01:45:36.810 --> 01:45:44.820

And I think, uh, this is kind of where my summary slide, it kind of tells you that offset disposal as a much greater short term impact.

740 "dev murali" (496233728)

01:45:44.820 --> 01:45:53.935

And, uh, treatment is is again, it's easily implementable. And then, uh, this is something that EPA is prefer.

741 "dev murali" (496233728)

01:45:54.265 --> 01:46:04.585

And I think the, as I said, the the upland placement, it seemed to be the most less expensive alternative. And I think, uh, some of the, uh, cause when you compare to offset disposal.

742 "dev murali" (496233728)

01:46:04.820 --> 01:46:14.460

Place a credit placement, they seem to be very much similar in terms of the cost. So next slide please.

743 "dev murali" (496233728)

01:46:14.905 --> 01:46:28.435

This is a tentative schedule, I think, uh, as I said, the bridge that it is, is complete and then 30% design. So, so just, uh, look out for the, uh, Pre design document coming out in the fall and winter session.

744 "dev murali" (496233728)

01:46:28.435 --> 01:46:34.405

So, and then we're gonna have a public, uh, meeting in the fall. Uh, when we come out. out

745 "dev murali" (496233728)

01:46:34.460 --> 01:46:42.420

With a design document, and then, uh, the automating will start, uh, next year and then the public meeting in the final.

746 "dev murali" (496233728)

01:46:42.420 --> 01:46:52.800

Uh, design will be completed sometime in the fall, and then once we start the procurement process, the remedy construction will start in the fall of 2025. so.

747 "dev murali" (496233728)

01:46:52.975 --> 01:47:07.735

Let's go to the next slide. Please. Uh, this is just overall update and I think, uh, as I said, uh, we are right now refining the footprint and waiting for all the analysis to be complete for the lab, and also the validation.

748 "dev murali" (496233728)

01:47:07.735 --> 01:47:12.445

And then we are actively engaging with the, uh, uh, Washington, uh.

749 "dev murali" (496233728)

01:47:12.800 --> 01:47:20.880

Channel wars stakeholders, and, as I said, the studies ongoing, the 30% design report, coming up in fall.

750 "dev murali" (496233728)

01:47:20.880 --> 01:47:29.340

And, uh, as we speak, right now, the, this alternative these alternatives that we, I presented there being reviewed by national park service and.

751 "dev murali" (496233728)

01:47:29.340 --> 01:47:35.730

And also, uh, I have submitted the explanation of significant differences basically going.

752 "dev murali" (496233728)

01:47:35.730 --> 01:47:42.180

Which which contains basically, instead of stretching the material and sending it outside.

753 "dev murali" (496233728)

01:47:42.180 --> 01:47:48.810

We have a, um, applicability of using the Institute remediation and application of carbon.

754 "dev murali" (496233728)

01:47:48.810 --> 01:48:00.270

Uh, both either an equity placement or, uh, both, uh, placement or equity placement. So I think there is something that's being reviewed right now. So we're, we're waiting for the comments on that. 1.

755 "dev murali" (496233728)

01:48:00.270 --> 01:48:07.530

And then on the baseline performance monitoring, I think the work plan will be complete by June 30th and then we would be.

756 "dev murali" (496233728)

01:48:07.530 --> 01:48:21.265

Uh, putting out for, uh, in the website, and we can, uh, we can, we can allow to for the stakeholders to review that and then hopefully we'll start the baseline sampling in 2024. so I think that's pretty much it from my end. So.

757 "dev murali" (496233728)

01:48:21.265 --> 01:48:22.555

from my end so

758 "dev murali" (496233728)

01:48:22.890 --> 01:48:33.330

Um, again, thanks for that's for your time. Okay. Uh.

759 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:48:33.330 --> 01:48:39.840

Awesome. I'm not seeing any questions right now in the, uh, in the chat any hands raised.

760 "gretchen mikeska" (248144896)

01:48:39.840 --> 01:48:47.280

Any questions well, I've got a couple questions in the, uh.

761 "dev murali" (496233728)

01:48:47.280 --> 01:48:52.680

The questions add stakeholders in so why don't we move to that?

762 "dev murali" (496233728)

01:48:52.680 --> 01:48:57.180

Okay, sounds good.

763 "dev murali" (496233728)

01:48:57.180 --> 01:49:10.255

Um, okay, uh, the 1st question was during the March, uh, 2022 leadership council meeting provided June 22nd as the goal date for the baseline performance, monitoring work plan, uh,

764 "dev murali" (496233728)

01:49:10.285 --> 01:49:17.125

more recently stated that a new workman schedule will be available this spring. will be available this spring

765 "dev murali" (496233728)

01:49:17.445 --> 01:49:28.515

When can we expect an updated schedule for the cleanup has considered adding a public dashboard with a target dates for your website. So obviously, this question has 3 parts.

766 "dev murali" (496233728)

01:49:28.515 --> 01:49:36.885

So, the part 1 is basically, yes, we are issuing the baseline performance work plan this month and I think in June, uh.

767 "dev murali" (496233728)

01:49:37.180 --> 01:49:42.450

This release this, this release this in accordance with the timeframe that I provided in the.

768 "dev murali" (496233728)

01:49:42.450 --> 01:49:52.440

March 2722nd, 22 leadership Council, uh, when can we expect the updated schedule for the clean up? I think, uh, I have presented this.

769 "dev murali" (496233728)

01:49:52.795 --> 01:50:07.405

Uh, in the, uh, slide 13, uh, I think that's that's there, uh, in the presentation. So, I think, uh, uh, and you can, uh, take a look at that and then also as consider adding a public dashboard with the target dates.

770 "dev murali" (496233728)

01:50:07.710 --> 01:50:21.235

Uh, as of now, currently we communicate all our projects status with the quarterly leadership council meetings. However, uh, we will consider, uh, publishing a, a dashboard, you know, moving forward on that. 1. okay.

771 "dev murali" (496233728)

01:50:21.835 --> 01:50:23.815

And then the 2nd question is.

772 "dev murali" (496233728)

01:50:24.030 --> 01:50:32.040

Are there any updates on the guidance for the beneficial reuse? What issues were raised in public comments? How have those comments.

773 "dev murali" (496233728)

01:50:32.040 --> 01:50:36.300

Being addressed, so the part 1 is, um.

774 "dev murali" (496233728)

01:50:36.300 --> 01:50:40.920

Uh, a draft was issued for public review in, um.

775 "dev murali" (496233728)

01:50:40.920 --> 01:50:51.300

March 22 and comments from stakeholders on the draft received by and prepared a response to commerce Matrix, combining stakeholder comments.

776 "dev murali" (496233728)

01:50:51.300 --> 01:50:56.850

And the guidance, and posted this metrics to the, uh, website.

777 "dev murali" (496233728)

01:50:56.850 --> 01:51:04.140

And you is currently in discussions with national service on the appropriate path, forward to resolve various.

778 "dev murali" (496233728)

01:51:04.140 --> 01:51:10.890

Comments and which are related primarily to do settlement scanning levels, secondary line of evidence requirements.

779 "dev murali" (496233728)

01:51:10.890 --> 01:51:15.180

And beneficial user press element to upload and aquatic placement.

780 "dev murali" (496233728)

01:51:15.180 --> 01:51:20.220

So the part to the question was what issues were raised in public comments.

781 "dev murali" (496233728)

01:51:21.295 --> 01:51:31.645

Um, so, do you received comments from EPA region? 3, national park service various D. C Appleseed Anacostia what is your society and private consultants?

782 "dev murali" (496233728)

01:51:32.065 --> 01:51:39.385

And some of the issues raised in the comments received include a request of additional information on design requirements.

783 "dev murali" (496233728)

01:51:40.220 --> 01:51:48.570

Creation considerations, definition of categories, screening, threshold, concentration and aplical quality of such specific.

784 "dev murali" (496233728)

01:51:48.570 --> 01:51:54.630

Risk assessments, some concerns were expressed regarding containments in severe storms.

785 "dev murali" (496233728)

01:51:54.630 --> 01:52:02.335

Uh, beneficial user press elements for agricultural purposes and liability issues associated with acrobatic placement.

786 "dev murali" (496233728)

01:52:02.365 --> 01:52:14.605

The comments also requested more efficient and frequent communication with the public and overall improvements in document clarity. So, comment and response have been posted on the website and.

787 "dev murali" (496233728)

01:52:14.630 --> 01:52:21.780

Then the part 3 of the question was, how have these comments being addressed we have prepared, uh, response to comments matrix.

788 "dev murali" (496233728)

01:52:22.105 --> 01:52:31.525

And posted it on the air rsp, uh, website, and currently we are addressing the comments as proposed and the matrix to the video guidance document.

789 "dev murali" (496233728)

01:52:32.125 --> 01:52:39.445

And as as noted in the response department question, we are in discussions with NPS to resolve various comments.

790 "dev murali" (496233728)

01:52:39.690 --> 01:52:51.450

Through for aquatic placement, since the outcome of these discussions may have broader impact on the in response to other stakeholder comments, finalization of response will happen.

791 "dev murali" (496233728)

01:52:51.450 --> 01:52:57.240

Once the comments are resolved and then the last question is is, uh, number 6.

792 "dev murali" (496233728)

01:52:57.240 --> 01:53:02.910

Is still committed to dragging deeper channels in King lake as president in the.

793 "dev murali" (496233728)

01:53:02.910 --> 01:53:13.440

With the exception of areas with heavy vegetation. Um, I think you saw my presentation. Yes, we are evaluating various channel alignments and designs and the human lake.

794 "dev murali" (496233728)

01:53:13.440 --> 01:53:16.890

Including the conceptual designs presented in the.

795 "dev murali" (496233728)

01:53:16.890 --> 01:53:26.340

And these evaluations is ensuring that channel placement is not disruptive to any existing, high, functioning wetlands in the kingdom lake.

796 "dev murali" (496233728)

01:53:26.340 --> 01:53:38.430

And is closely coordinating and national resource administration, uh, with the planning, and designed for additional veterans construction for the kingdom lake restoration project here. So.

797 "dev murali" (496233728)

01:53:38.430 --> 01:53:43.170

I think those are some of the responses, and I can put it on the chat, uh, for you guys. So.

798 "dev murali" (496233728)

01:53:52.380 --> 01:53:57.270

Thanks, Dan. I see a question. Um.

799 "dev murali" (496233728)

01:53:57.270 --> 01:54:02.220

Uh, yeah, go ahead and take it away.

800 "dev murali" (496233728)

01:54:02.220 --> 01:54:09.510

Uh, would be a strong candidate for studying amendment of trade settlements for beneficial use to rebuild.

801 "dev murali" (496233728)

01:54:09.510 --> 01:54:15.330

Uh, absolutely, yes, that's exactly what our plan is right now, as I indicated to, you.

802 "dev murali" (496233728)

01:54:15.330 --> 01:54:18.960

Uh, the actual channels will be addressed.

803 "dev murali" (496233728)

01:54:18.960 --> 01:54:26.460

And when that material is dressed, and that's when, you know, we can, uh, uh, manage the set. Those dress elements.

804 "dev murali" (496233728)

01:54:26.905 --> 01:54:38.425

And then, uh, either do the or or treatment for those segments, and then, uh, either use the app line or placement or or place it in the credit placement environment.

805 "dev murali" (496233728)

01:54:38.815 --> 01:54:44.125

So, I think those things have some of the finite details that needs to come out. And I believe that, um.

806 "dev murali" (496233728)

01:54:44.580 --> 01:54:51.030

Once, uh, um, once we have the capability study data, and once we come out with, uh, um.

807 "dev murali" (496233728)

01:54:51.030 --> 01:54:55.710

Pretty much the parameters in terms of what needs to happen and the whole process.

808 "dev murali" (496233728)

01:54:55.710 --> 01:55:04.050

And which we will define in the 30% and 60% design as you can see that, uh, from, uh, uh, uh, presentations there.

809 "dev murali" (496233728)

01:55:04.050 --> 01:55:11.520

Has been done at other sites and I see no reason why we cannot do it here and make the sell very successful and no endeavor here. So.

810 "dev murali" (496233728)

01:55:11.520 --> 01:55:24.870

Um, I think, uh, I see another question, Trey, the feasibility is being evaluated by, as you can see in this presentation. Yes.

811 "dev murali" (496233728)

01:55:24.870 --> 01:55:37.380

And also, I want to extend something else. I think, uh, I think you got, you saw in your presentation. Uh, it would not it would not be any different than the results that what you see from the loophole presentation.

812 "dev murali" (496233728)

01:55:37.380 --> 01:55:51.385

I think, uh, I think Petco has also done the preliminary study along the similar lines, and we saw pretty much 80 to 90% reductions in in some of the quarter concentrations and also on the, uh, uh, on the, you know, and the aquatic species.

813 "dev murali" (496233728)

01:55:51.385 --> 01:55:57.355

So, I, I believe that that most of the results will be very similar in nature. nature

814 "dev murali" (496233728)

01:55:57.380 --> 01:56:06.060

But but by no means, you know, uh, we are ignoring that, that, uh, uh, those studies that, that we still need to wait for the data to come out.

815 "dev murali" (496233728)

01:56:06.060 --> 01:56:10.440

But I'm I'm very hopeful that that's exactly it's going to turn out the way I plan it.

816 "dev murali" (496233728)

01:56:10.440 --> 01:56:20.100

But, but we have done all the homework right now, and I think, uh, we are very much well on our path in terms of coming out the 30% design with all those parameters.

817 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:56:20.100 --> 01:56:26.610

Oh, well understood. No so when all said and done, so.

818 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:56:26.610 --> 01:56:37.140

Thanks so much Gretchen, we've got about 4 minutes left. Uh, is there a question or 2 that you wanted to choose from the questions that were submitted by our members? Ahead of time?

819 "gretchen mikeska" (248144896)

01:56:37.140 --> 01:56:46.350

I have a conversation. Yeah, I'd like to do question 3 because Donna Davies from NPS, um, can respond to it.

820 "gretchen mikeska" (248144896)

01:56:46.350 --> 01:56:50.820

Is that the current timeline for a medial design phase for park?

821 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:56:50.820 --> 01:56:54.600

That's the point 3 and 4 donna's and children.

822 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:56:54.600 --> 01:57:07.350

Okay, so, yeah, if you could speak to that, what are the, what is the current timeline for the remedial design for Kenilworth park and what is the status of the remedial investigation and feasibility study for PowerPoint?

823 "4846\*\*\*\*43" (2638496512)

01:57:07.350 --> 01:57:15.660

Okay, thank you. The schedule for the remedial design and the following phases of the remediation at Kenilworth.

824 "4846\*\*\*\*43" (2638496512)

01:57:15.660 --> 01:57:26.940

They're going to be included as part of a broader agreement between NPS and that is currently being discussed. Um, as soon as that agreement is finalized, we can release a schedule.

825 "4846\*\*\*\*43" (2638496512)

01:57:26.940 --> 01:57:37.645

Work for the remedial design phase has begun and Mbps or in the planning process for the 1st, step of the remedial design, which is the Pre design investigation.

826 "4846\*\*\*\*43" (2638496512)

01:57:37.885 --> 01:57:42.954

So work is continuing even though the agreement is not yet finalized between and.

827 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:57:44.910 --> 01:57:53.730

I see in the in the remedial investigation, feasibility study for PowerPoint.

828 "4846\*\*\*\*43" (2638496512)

01:57:53.730 --> 01:58:07.500

Right so this month we'll be collecting additional samples to fill in data gaps that NPS and identified based on the existing analytical data that has been collected to date.

829 "4846\*\*\*\*43" (2638496512)

01:58:07.500 --> 01:58:13.740

After all the analytical results are available will prepare the report.

830 "4846\*\*\*\*43" (2638496512)

01:58:13.740 --> 01:58:17.700

And the current projected date for the report.

831 "4846\*\*\*\*43" (2638496512)

01:58:17.700 --> 01:58:28.590

Which is early 2024 and the next step would be the feasibility study, which currently is projected to be completed by late 2024.

832 "gretchen mikeska" (248144896)

01:58:28.590 --> 01:58:31.590

Sounds good.

833 "gretchen mikeska" (248144896)

01:58:31.590 --> 01:58:38.250

Yeah, I can say a few words on the navigation, um, question, which is question 5.

834 "gretchen mikeska" (248144896)

01:58:38.250 --> 01:58:42.720

So, as you know, back in September.

835 "gretchen mikeska" (248144896)

01:58:42.720 --> 01:58:56.700

2022 we had the navigation summit at, um, DC water. There was about 300 persons there. So that was good because it got the issue of navigation issues, you know, kind of, um.

836 "gretchen mikeska" (248144896)

01:58:56.700 --> 01:59:09.420

In everyone's consciousness in the, since that time, a lot of these federal funds from the buying administration have been announced we've been.

837 "gretchen mikeska" (248144896)

01:59:09.420 --> 01:59:16.620

Constantly searching opportunities have not specifically found 1 that fits into our, um.

838 "gretchen mikeska" (248144896)

01:59:16.620 --> 01:59:22.860

Scenario, but continue to look the good side is, um.

839 "gretchen mikeska" (248144896)

01:59:22.860 --> 01:59:31.650

The 1st, step in, that is to do an assessment study, so we can really look at. Okay what is a dredging we want done what are the priorities.

840 "gretchen mikeska" (248144896)

01:59:31.650 --> 01:59:44.515

We'll probably have to do a backup metric survey, and it looks like the district may be giving us some monies to pursue that in 2024. but that is not, um, finalized 100 yet. But we are hopeful.

841 "gretchen mikeska" (248144896)

01:59:44.515 --> 01:59:51.325

So, that's we have not forgotten about dredging and, um, navigational dredging. dredging and um navigational dredging

842 "gretchen mikeska" (248144896)

01:59:51.650 --> 01:59:56.340

And we'll continue to seek every opportunity we see.

843 "Richard Trent, Friends of Anacostia Park" (2582606080)

01:59:56.340 --> 02:00:01.140

Thanks awesome.

844 "Richard Trent, Friends of Anacostia Park" (2582606080)

02:00:01.140 --> 02:00:14.670

Well, that brings us to time, it's been wonderful hosting this meeting. And if there are no further questions, well, I encourage you guys to follow up offline. Um.

845 "gretchen mikeska" (248144896)

02:00:14.670 --> 02:00:21.390

Otherwise, I'll see you guys on the flip side anything else, Gretchen.

846 "gretchen mikeska" (248144896)

02:00:21.390 --> 02:00:34.705

That's it our next meeting will be September 14, and that will be, um, same thing. 2nd, Thursday, 10 to noon. And, uh, we're always welcoming agenda items.

847 "gretchen mikeska" (248144896)

02:00:35.275 --> 02:00:41.035

If you, um, think we've missed something this time and we'll continue this. Um.

848 "gretchen mikeska" (248144896)

02:00:41.390 --> 02:00:47.730

Of collecting advanced questions, just because we can move through them quicker, but we're always open to.

849 "gretchen mikeska" (248144896)

02:00:47.730 --> 02:00:59.515

Questions that you think of during the meeting, as long as we have time to, um, address them Thank you. And thank you. Our new director, Richard Jackson and our great Co host today.

850 "gretchen mikeska" (248144896)

02:01:00.145 --> 02:01:03.115

Richard Trent and, um.

851 "gretchen mikeska" (248144896)

02:01:03.420 --> 02:01:14.520

Thanks everyone for joining. This is all recorded and we'll be on the open meeting website, which is the mayor site and of course, our Anacostia river sentiment project website under the admin record.

852 "Richard Trent, Friends of Anacostia Park" (2582606080)

02:01:14.520 --> 02:01:17.730

Thanks rich. I really appreciate the.

853 "Richard Trent, Friends of Anacostia Park" (2582606080)

02:01:17.730 --> 02:01:24.060

Great job. Absolutely. Thanks. So much. All right. Thank you. Everybody appreciate it and see you in a couple of months.

854 "Richard Trent, Friends of Anacostia Park" (2582606080)

02:01:24.060 --> 02:01:36.024

Take care.