

**Travis Air Force Base
Environmental Restoration Program
Restoration Program Manager's
Meeting Minutes
20 July 2022, 1000 Hours**

Mr. Chet Storrs of the Air Force Civil Engineer Center (AFCEC) Restoration Installation Support Section (ISS) conducted the Restoration Program Manager's (RPM) teleconference on 20 July at 1000 hours.

The 60 AMW/CC at Travis Air Force Base (AFB) has directed Health Protection Condition (HPCON) Bravo in response to improving COVID-19 public health conditions in the local area. Mask wearing on base is currently not mandated. Visitors are permitted with an approved base pass.

All attendees participated via telephone or Microsoft TEAMS due to increased teleworking measures meant to reduce the number of employees on the base at one time. Attendees included:

- | | |
|--------------------------|------------------------|
| • Chet Storrs | AFCEC/CZOW |
| • Kim Rasmussen | AFCEC/CZOW |
| • Tom Potter | AFCEC/CZOW |
| • Mobashir Ahmad | AFCEC/CZOW |
| • Angel Santiago | AFCEC/CZOW |
| • Kurt Grunawalt | Travis AFB 60 AMW/JA |
| • Dylan Hickey | Travis AFB 60 CES/CEIE |
| • Dave Leeson | AFCEC |
| • Jessica Faragalli | USACE-Sacramento |
| • Ryan Sinnott | USACE-Sacramento |
| • Julie Higgins | USACE-Sacramento |
| • Alan Soicher | USACE-Omaha |
| • Nadia Burke | EPA |
| • Karla Brasaemle | TechLaw, Inc. |
| • Kimiye Touchi | DTSC |
| • Dave Kremer | DTSC |
| • Jimmy Spearow | DTSC |
| • Adriana Constantinescu | RWQCB |
| • Megan Duley | SRS |
| • Bob Mallisee | SRS |
| • Chris Coonfare | FPM |
| • Leslie Royer | Jacobs |
| • Doug Berwick | Jacobs |
| • Jill Dunphy | Jacobs |

Handouts distributed prior to the meeting included:

- Attachment 1: Meeting Agenda
- Attachment 2: Master Meeting and Document Schedule
- Attachment 3: Travis AFB PFAS Update (July 2022)
- Attachment 4: Travis AFB LUC Update (July 2022)
- Attachment 5: Travis AFB Investigation at Site ST028
- Attachment 6: ORC Program Update (July 2022)
- Attachment 7: Groundwater Treatment Systems Update (April through June 2022)
- Attachment 8: Presentation: Phase 1 Remedial Investigation of AFFF Areas (July 2022)

I. TRAVIS AFB UPDATES

A. ADMINISTRATIVE

1. Agenda and Introductions

Mr. Storrs started the meeting and reviewed the agenda.

2. Previous Meeting Minutes

The regulatory agency representatives have provided comments via email, and the Final was distributed via email on 1 June 2022. Mr. Spearow (DTSC) is new to the team and mentioned he had not received the meeting minutes. Ms. Dunphy took the action to forward the Final April 2022 Meeting Minutes to him and add him to the distribution list for meeting invitations and meeting materials.

3. Action Item Review

Travis AFB Action Items:

The team discussed that the list of action items from the previous RPM meeting is not included in the meeting handouts. Ms. Dunphy explained that this is an unanticipated result of moving from monthly to quarterly meetings and distributing the final RPM meeting minutes via email between meetings. Mr. Storrs and Ms. Dunphy took the action item to discuss the best way to incorporate action items from the previous RPM meeting in the meeting materials for future meetings. Due to confusion in wording of last month's action items as well as potential action items from this meeting, Ms. Dunphy offered to compile a list of action items to send via email for input ahead of sending the draft meeting minutes for review.

Action Item 1: Mr. Storrs will update the Master Meeting schedule with the new meeting start time of 1000, will designate July as an in-person meeting, and begin alternating in-person and Teams RPM meetings. July 2022 update: This action item has been closed. Due to increasing COVID-19 restrictions, the July meeting was held via Teams. Mr. Storrs noted everybody's preference for in-person meetings, and stated that the next meeting will be held in person if all agencies are permitted to travel and meet in person and if masks are not required for indoor meetings at the base.

Action Item 2: will coordinate an RPM Meeting Minutes schedule with Jacobs. July 2022 update: This action item has been closed. The Air Force and Jacobs have agreed to a schedule that works for initial Air Force review of the meeting minutes. Ms. Dunphy will

aim to provide the full RPM team with meeting minutes by the placeholder date for the next month's RPM meeting. She noted that she will be on PTO in August, so today's meetings minutes will be about a week late.

Action Item 3: Mr. Storrs will get guidance from AFCEC regarding appropriate timeframes for providing data to the regulatory agencies. July 2022 update: There is still unresolved disagreement between the Air Force and regulatory agencies regarding this topic. While some preliminary agreements were reached during this action item review discussion, a meeting between the Air Force, regulatory agencies, and each agency's legal team to review the FFA requirements is necessary. This action item remains open.

Action Item 4: Mr. Storrs will review the FFA and coordinate a meeting with the agencies to discuss documents, document review schedules, and data delivery schedules. July 2022 update: This meeting did not occur as planned. Regarding regulatory review timeframes for various documents, Mr. Storrs noted that the agencies always have the right to request additional review time on a case-by-case basis, adding that the Air Force has never denied such a request. Mr. Storrs suggested utilizing the 17 August RPM Placeholder Date for the Air Force, agencies, and respective legal departments to discuss the FFA in depth, covering this action item as well as Action Item 3. The Air Force and agencies agreed to coordinate a meeting on 17 August 2022 at 1000 to discuss all document- and data-related matters relating to the FFA (including data and document deliverable timeframes, which documents are primary vs secondary vs. informational, which documents should be on the MMDS, and document review timeframe). This action item remains open.

Action Item 5: Mr. Storrs will provide Mr. Seth Murgler's contact information to the agencies for LUC concerns. July 2022 update: This action was completed as specified. This action item has been closed.

Action Item 6: Mr. Hickey will send the Air Force RTCs and a link to the final Environmental Analysis for runway repairs to the agencies. July 2022 update: Mr. Hickey noted that Mr. Murgler sent the specified documents to the agencies when he responded to Mr. Hickey's email request, and offered to re-send the documents, including the Finding of No Significant Impact (FONSI), to the agencies via DoDSAFE. This action item has been closed.

Action Item 7: Mr. Storrs, Ms. Royer, and Ms. Duley will ensure all reviewable documents are included in the MMDS and will keep the schedules for their respective documents up to date. Mr. Storrs will ensure the agencies receive a copy of the MMDS anytime the schedule for one of the documents is updated. April 2022 update: Ms. Royer has been sending the MMDS after significant changes rather than monthly. The regulatory agency representatives agreed that this approach is acceptable. This action item has been closed.

ORC Action Items:

There were no ORC action items to review.

PFAS Contract Action Items:

Action Item 1: Send meeting minutes to Travis AFB. July 2022 update: This action item has been closed.

Action Item 2: Coordinate time for meetings with agencies for UFP-QAPP Comment Resolutions. July 2022 update: This action item has been closed.

Action Item 3: Coordinate with Mr. Hickey for a revised Shape File for Field Event #2. July 2022 update: This action item has been closed.

4. Master Meeting and Document Schedule Review (see Attachment 2)

The Travis AFB Master Meeting and Document Schedule (MMDS) was discussed during this meeting (see Attachment 2).

Travis AFB Annual Meeting and Teleconference Schedule

The next RPM Meeting is scheduled for 16 November 2022. As noted in the action item review, the next meeting will be held in person if all agencies are permitted to travel and meet in person, and if masks are not required for indoor meetings at the base. The latter is for the benefit of those who can only participate by phone.

The Air Force and regulatory team has agreed to utilize the 17 August RPM Meeting placeholder as the potential date to discuss the FFA. Mr. Storrs and the regulatory agency representatives took the action to coordinate this date with the subject matter experts and legal teams they'd like to attend.

The next RAB meeting is scheduled for 20 October 2022. While the Air Force prefers to hold this meeting in-person, they are leaning toward a virtual platform to allow for maximum planning flexibility given COVID restrictions.

Travis AFB Master Document Schedule

- Universal Federal Program Quality Assurance Program Plan (UFP-QAPP): There was no change to the schedule.
- Site SD031 Data Gaps Investigation Work Plan: There was no change to the schedule. Mr. Spearow indicated that he had several comments on the document; Ms. Royer clarified that the intent of the investigation was to collect qualitative data to help guide the design of the remedial investigation. She added that the fieldwork must commence as scheduled on 8 August 2022 due to the forthcoming rainy season and contractual deadlines of the RI and decision documents. Mr. Storrs asked him to hold his comments and instead attend the Site SD031 Data Gaps Investigation Work Plan RTC meeting immediately following the RPM meeting.
- Community Relations Plan (CRP) Update: There was no change to the schedule. Mr. Storrs explained to the agencies that there is new Air Force direction requiring anything sent outside the Air Force, such as the community survey, to go through several layers of internal review. Once that review is complete, we will be able to assign a schedule to this document.
- 2021 Annual Groundwater Remediation Implementation Status Report (GRISR): The Draft to Agencies/RAB due date was changed to 19 July 2022. The rest of the dates were updated accordingly.
- 2021 Annual Site LF007 CAMU Inspection, Monitoring, and Maintenance Report: There was no change to the schedule.
- Potrero Hills Annex (FS, PP, and ROD): There was no change to the schedule.

Moved to history:

- None

B. CURRENT PROJECTS

1. PFAS Update (Attachment 3)

Mr. Storrs reported on the PFAS updates for Travis AFB. Please refer to Attachment 3 for the full briefing.

Additional discussion regarding application of the new EPA health advisory levels with respect to the treatment of PFAS at the groundwater treatment plants is necessary. The Air Force and regulatory agencies will coordinate a meeting to discuss this issue further during one of the RPM Placeholder meeting dates. Each agency would like their subject matter experts and legal counsel to attend.

The version of the Site Inspection Addendum being sent to the regulators will address regulatory comments received after the last submittal. Publicly identifiable information (PII), such as property addresses, will be redacted from the version.

Ms. Burke asked if these Air Force documents, such as the Site Inspection Addendum, will be added to the MMDS. The Air Force suggested tabling all discussion pertaining to the FFA to the forthcoming meeting discussed during Action Item Review, tentatively scheduled to occur as the 17 August 2022 RPM placeholder meeting at 1000.

2. LUC Updates (Attachment 4)

Mr. Storrs reported on the status of the LUC sites at Travis AFB. Please refer to Attachment 4 for the full briefing. Highlights of the discussion are as follows:

- The SS016-KC-46 Hangar horizontal well pump test was completed in April, and the flow rate was 0.8 gallons per minute – this was a verbal correction to the slide presented (*Note: The slide has been corrected for the Final Meeting Minutes*).
- The flow rate at this well is much lower than everyone expected, but is greater than the well that it replaced, which was 0.5 gpm on an intermittent basis.
- This well is not operational yet, the pump must still be installed. Production may improve at that time.

3. Site ST028 Investigation (Attachment 5)

- Mr. Storrs reported on the fuel sheen and storage tank investigation at Site ST028. Please refer to Attachment 5 for the full briefing. Mr. Storrs noted that the Travis ERP cannot address storm water issues; it must be handled by 60 CE. The first step is to confirm if JP-4 from the Site ST028 storage tank is the source.

C. PROGRAM ISSUES/UPDATE

None.

D. ACTION ITEMS

Item #	Responsible	Action Item Description	Due Date	Status
1	Chet Storrs	Mr. Storrs will get guidance from AFCEC regarding appropriate timeframes for providing data to the regulatory agencies.	18 May 2022	Open
2	Chet Storrs, Nadia Burke, Adriana Constantinescu, Kimiye Touchi	Mr. Storrs will review the FFA and coordinate a meeting with the agencies to discuss documents, document review schedules, and data delivery schedules.	18 May 2022	Open
3	Ms. Dunphy	Provide Mr. Spearow with the Final April 2022 Travis AFB RPM Meeting Minutes, and add him to the invitation/distribution list for future meetings.	22 July 2022	Closed
4	Mr. Storrs, Ms. Dunphy	Include a list of action items from previous RPM meeting in meeting handouts/slides. Complete by next RPM Meeting scheduled for 16 November 2022.	16 November 2022	Open
5	Mr. Storrs, Ms. Faragalli, Ms. Burke, Ms. Constantinescu, Ms. Touchi	Coordinate a meeting on the placeholder RPM date of 17 August 2022 to discuss all document- and data-related matters relating to the FFA (including data and document deliverable timeframes, which documents are primary vs secondary vs. informational, which documents should be on the MMDS, and document review timeframe). This meeting should include all agency subject matter experts and legal counsel.	29 July 2022	Open
6	Mr. Storrs, Ms. Faragalli, Ms. Burke, Ms. Constantinescu, Ms. Touchi	Coordinate a second meeting on a placeholder RPM Meeting date (17 August 2022 or 21 September 2022) to discuss the new EPA PFAS Health Advisories and impacts for the Travis AFB ERP. This meeting should include all agency subject matter experts and legal counsel.	29 July 2022	Open

II. OPTIMIZED REMEDIATION CONTRACT UPDATES

A. Administrative

All administrative topics were discussed earlier in the RPM meeting.

B. CURRENT PROJECTS

1. Program Update (Attachment 6)

Ms. Royer reported on the status of the Optimized Remediation Contract at Travis AFB. Please see Attachment 6 for the full briefing.

2. Groundwater Treatment Systems Update (Attachment 7)

Mr. Berwick reported on the status of the groundwater treatment systems at Travis AFB at Travis AFB. Please see Attachment 7 for the full briefing. Highlights of the discussion are as follows:

- Mr. Hickey questioned why the Site LF007C groundwater treatment system is turned off when the vernal pools are full; Mr. Berwick replied that this has been required by the U.S. Fish and Wildlife Service since the LF007C groundwater treatment system came online in the early 2000s. No one attending the meeting could recollect where this requirement was documented. The collective team took the action to locate this documentation. Ms. Constantinescu requested that whoever finds it emails it to her, so that she can forward along to her Watershed Division Lead.
- Mr. Berwick noted that the Central Groundwater Treatment System SCADA system upgrade is delayed due to supply chain issues.

C. PROGRAM ISSUES/UPDATE

None

D. ACTION ITEMS

Item #	Responsible	Action Item Description	Due Date	Status
7	All parties	Locate the communication from USFWS instructing not to operate the LF007C Groundwater Treatment Plant when nearby vernal pools are full; send to Dylan Hickey to attempt resolution with USFWS, send to Adriana Constantinescu to forward to her Watershed Division Lead.	30 August 2022	Open

III. SRS PFAS CONTRACT

A. ADMINISTRATIVE

All administrative topics were discussed earlier in the RPM meeting prior to the Oneida Team presentation.

B. PRESENTATIONS/PROGRAM ISSUES/UPDATES

1. Travis AFB Phase I RI of AFFF Sites (Attachment 8)

Phase 1 Remedial Investigation Data-Driven Process

Mr. Mallisee presented a diagram illustrating the current progress and upcoming activities as part of the data-driven process for this Phase I RI. The Final UFP-QAPP Addendum No. 1 was issued 31 May 2022. The Oneida Team began the activities for Field Event #2 on 08 June 2022.

Field Event No. 2 – June to October 2022

Sediment/Surface Water Sample Collection

The Oneida Team completed sediment/surface water sample collection in early June as part of Field Event #2 sampling activities. 20 sediment/surface water sampling locations were proposed as part of Field Event #2. The team was able to collect samples from 19 locations. The sampling location for TAFB2022-SW/SED19 is located on the flightline and in an area where Union Creek is within a culvert. This sampling location can be reassigned and sampled at a later time.

Ms. Touchi asked if the sample was not collected because the area was dry. Bob explained that Union Creek is completely within an underground culvert for a long extent in this area and was not known until field reconnaissance of the area during sampling. Upon validation of the collected sediment and surface water samples, this location can be reassigned as needed.

Ms. Burke asked if the surface water samples were collected from the middle or side of the creek. Mr. Mallisee explained that the samples were collected from slightly off center of the creek at locations that have a constant water regardless of seasonal swells.

Ms. Burke asked if the team considered the possibility of other constituents, for example fuels from other sources that may also be present in the creek during sample collection and if they would potentially interfere with laboratory analysis. Ms. Duley explained that these samples have already been processed by the lab and the Oneida Team has not been notified of any issues regarding matrix interferences. The lab will only be analyzing for PFAS constituents.

Groundwater Sample Collection

The Oneida Team had a delay start to the drilling activities for Field Event #2. The Oneida Team began with the sampling of existing monitoring wells to continue progress. The team collected samples from 121 groundwater monitoring wells between 14 June and 30 June 2022.

Monitoring Well Installation

The Oneida Team began drilling activities on 13 July 2022. For the monitoring wells, Mr. Mallisee explained that there are 91 wells planned at 15 AFFF Areas with locations both on- and off-Base with the first wells being drilled on-Base. The off-Base wells will have access agreements with either the City of Fairfield, County of Solano, or CalTrans. Well development will follow throughout the summer as installations are completed followed by groundwater sampling for new wells

Soil Sample Collection

During drilling activities, PFAS soil samples will be collected at monitoring well installations and boring locations. For clustered wells, soil samples will be collected at the deeper well within the cluster wells. At 15 locations, from one boring at each of the 15 AFFF areas with monitoring wells, geochemical parameters (pH, total organic carbon, and anion and cation exchange capacity) and particle size distribution samples are also being collected.

Source Soil Sample Collection

For drilling activities, PFAS soil sampling started on 18 July 2022. Samples are being collected at boring locations in and around known AFFF release areas. There are a total of 67 soil source borings planned at 16 AFFF areas. PFAS soil samples are to be collected at three sample intervals per boring down to 20 feet.

Stream Gauge Installation

Ms. Constantinescu asked when and how frequent the Oneida Team plans to perform stream gauging and if they have considered seasonal variations. Mr. Mallisee explained that the team will target monthly collection for up to a year to capture all the seasons.

Ms. Constantinescu asked if the Oneida Team knew which monitoring wells they anticipate gauging for them to better address a correlation between surface water and the water table and if they only planned to use new monitoring wells. Mr. Mallisee stated that the team plans on gauging new and existing wells up and downgradient for assessing the correlation to the water table and that the Team would focus on shallow wells that would correspond with the stream levels.

Updated RSLs

Mr. Spearow asked if the samples collected during Field Event #2 will be analyzed according to the recent update to the RSLs provided in the Memorandum: Investigating Per- and Polyfluoroalkyl Substances within the Department of Defense Cleanup Program (OASD, 2022). Mr. Ahmad stated that the past samples did not analyze for GenX (HFPO-DA) and it was not on the analyte list. Ms. Duley added that Mr. Storrs had

previously mentioned that the team is awaiting further direction from AFCEC. She explained that all the detection limits and quantification limits are lower than the updated RSLs and therefore the team should be able to adjust to the updates.

Mr. Leeson explained that he provided an email to each of the installations for criteria of when they may need to revise the contract and/or schedule but it does not include field work in progress. Projects awarded before January 2022 are not required to modify the UFP-QAPP or contract and RPM review and decisions will be adjusted to each individual installation. The current thought is that most of the mods for contracts awarded before 2022 will be modified in FY 2023.

The Oneida Team collected the first round of samples during Field Event #1 in August 2021. The team is currently collecting samples for Field Event #2. Ms. Duley discussed that Oneida was able to work with the USACE and AFCEC to add analysis for HFPO-DA for Field Event #2 because the laboratory was certified for it under the current method and QSM requirements. The Team would need to discuss preferred method for future sampling event and determine if a contract mod would be necessary.

Next Steps

Results from Field Event #2 groundwater sampling from new and existing wells and all other sample media will be used to support development of the CSM and determine the step out and sampling locations for Field Event #3 based on the updated RSLs. These findings along with an updated CSM will be included in the UFP-QAPP Addendum No. 2.

Field Event #3 is anticipated to begin in May 2023 after submittal of the UFP-QAPP Addendum No. 2. Field Event #3 will include lysimeter installation and sampling as well as additional monitoring well sampling. Optional tasks will be reviewed for further step-out locations.).

C. ACTION ITEMS

Item #	Responsible	Action Item Description	Due Date	Status
8	Megan Duley/ Diane Escobedo	Send meeting minutes to Jacobs	27 July 2022	Closed
9	Matt Mayry/Oneida Team	Provide an updated schedule for Field Event #2 activities to Regulatory Team.	ASAP	In Pro gres s

AGENDA
TRAVIS AIR FORCE BASE
ENVIRONMENTAL RESTORATION PROGRAM
RESTORATION PROGRAM MANAGER'S MEETING
20 JULY 2022

The RPM Teleconference is scheduled for 10:00 am PST. The call-in number will be provided in the MS Teams meeting invite and also in the same email that the meeting materials are provided in. If you are able to participate via MS Teams meeting, you will see the shared documents that will be viewable by all participants.

A. TRAVIS INSTALLATION SUPPORT SECTION

1. ADMINISTRATIVE

- a. Introductions
- b. Previous Meeting Minutes
- c. Action Item Review
- d. Master Meeting and Document Schedule Review

2. UPDATES

- a. PFAS
- b. Land Use Controls
- c. ST028

B. JACOBS OPTIMIZED REMEDIAL CONTRACT (ORC)

1. ADMINISTRATIVE

2. PROGRAM UPDATE

- a. Documents & Activities Completed, In Progress & Planned

3. PRESENTATIONS

- a. ORC Program Update
- b. Groundwater Treatment Systems Update

C. ONIEDA AFFF REMEDIAL INVESTIGATION

1. ADMINISTRATIVE

2. PROGRAM UPDATE

3. PRESENTATIONS

- a. Field Work Updates

Travis Environmental Restoration Program

RPM & RAB Meeting Schedule 2022 Revision 3

Virtual Meeting	In-Person Meeting	Monthly Placeholder (Optional as needed)	Restoration Advisory Board Meeting
19 Jan (Wed) 0930 PST	—	—	—
—	—	16 Feb (Wed) 0930 PST	—
—	—	16 Mar (Wed) 0930 PST	—
20 Apr (Wed) 0930 PST	—	—	21 Apr (Thu) 1900 PST
—	—	18 May (Wed) 0930 PST	—
—	—	15 Jun (Wed) 0930 PST	—
20 Jul (Wed) 1000 PST	—	—	—
—	—	17 Aug (Wed) 1000 PST	—
—	—	21 Sep (Wed) 1000 PST	—
—	—	20 Oct (Thu) 1400 PST	20 Oct (Thu) 1900 PST
16 Nov (Wed) 1000 PST	—	—	—
Dec No meetings scheduled	Dec No meetings scheduled	Dec No meetings scheduled	Dec No meetings scheduled

Travis AFB Master Meeting and Document Schedule

PRIMARY DOCUMENTS			
Life Cycle	UFP-QAPP Travis AFB, Mobashir N. Ahmad FPM, Chris Coonfare	Site SD031 Data Gaps Investigation Work Plan Travis AFB, Mobashir N. Ahmad Jacobs, Levi Pratt	Community Relations Plan Update Travis AFB,TBD Jacobs, Jill Dunphy
Scoping Meeting	NA	NA	NA
Predraft to AF/Service Center	01-06-22	01-20-21	08-23-16
AF/Service Center Comments Due	02-07-22	02-22-22	09-07-16
Draft to Agencies / RAB	05-31-22	04-14-22	09-28-16 (03-22-18)
Agency Comments Due	07-31-22	06-13-22	10-28-16 (04-27-18)
Response to Comments Meeting	08-20-22	06-15-22	TBD
Agency Concurrence with Remedy	NA	NA	NA
Public Comment Period	NA	NA	NA
Public Meeting	NA	NA	NA
Response to Comments Due	08-29-22	07-12-22	TBD
Draft Final Due	08-29-22	07-12-22	TBD
Final Due	09-24-22	08-12-22	TBD

Travis AFB Master Meeting and Document Schedule

INFORMATIONAL DOCUMENTS		
Life Cycle	2021 Annual Groundwater Remediation Implementation Status Report Travis AFB, Mobashir N. Ahmad Jacobs, Levi Pratt	2021 Annual Site LF007 CAMU Inspection, Monitoring, and Maintenance Report Travis AFB, Mobashir N. Ahmad Jacobs, Levi Pratt
Scoping Meeting	NA	NA
Predraft to AF/Service Center	05-06-22	06-07-22
AF/Service Center Comments Due	06-06-22	07-06-22
Draft to Agencies / RAB	07-19-22	08-03-22
Agency Comments Due	09-19-22	08-31-22
Response to Comments Meeting	09-21-22	09-21-22
Response to Comments Due	10-17-22	09-29-22
Draft Final Due	NA	NA
Final Due	10-17-22	09-29-22
Public Comment Period	NA	NA
Public Meeting	NA	NA

Travis AFB Master Meeting and Document Schedule

Primary Documents		
Life Cycle	UFP-QAPP Addendum No. 1 Travis AFB, Chet Storrs Oneida, Megan Duley	UFP-QAPP Addendum No. 2 Travis AFB, Chet Storrs Oneida, Megan Duley
Scoping Meeting	02-16-22 (pkg to Agencies 02-10-22) and 03-02-22 (pkg to Agencies 02-24-22)	TBD
Predraft to AF/Service Center	NA – included w/ scoping meeting	TBD
AF/Service Center Comments Due	NA – included w/ scoping meeting	TBD
Draft to Agencies / RAB	03-31-22	TBD
Agency Comments Due	04-29-22	TBD
Response to Comments Meeting	05-11-22 (work to provide pre-RTC and pre-RLSO copy on 05-06-22)	TBD
Agency Concurrence with Remedy	NA	TBD
Public Comment Period	NA	TBD
Public Meeting	NA	TBD
Response to Comments Due	05-13-22	TBD
Draft Final Due – as RLSO w/ RTC	05-13-22	TBD
Agency Concurrence	05-25-22	
Final Due	05-31-22	TBD

Travis AFB Master Meeting and Document Schedule

PRIMARY DOCUMENTS			
Life Cycle	Potrero Hills Annex Travis, Chet Storrs		
	FS	Proposed Plan	ROD
Scoping Meeting	180 days after Water Board Order Rescinded	+470 days	+735 days
Predraft to AF/Service Center	+ 270 days	+530 days	+ 915 days
AF/Service Center Comments Due	+ 300 days	+560 days	+ 975 days
Draft to Agencies	+330 days	+590 days	+ 1035 days
Draft to RAB	+ 330 days	+590 days	+ 1035 days
Agency Comments Due	+390 days	+650 days	+ 1095 days
Response to Comments Meeting	+ 405 days	+665 days	+ 1110 days
Agency Concurrence with Remedy	NA	NA	+ 1130 days
Public Comment Period	NA	+735 to 765 days	NA
Public Meeting	NA	+745 days	NA
Response to Comments Due	+430 days	+695days	+ 1190 days
Draft Final Due	+430 days	+695 days	+ 1190 days
Final Due	+460 days	+725 days	+ 1250 days

https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=SL20299915



PFAS Updates



New EPA Health Advisories

- Awaiting guidance from AFCEC via Office of Secretary of Defense (OSD).

Point-Of-Entry-Treatment-Systems

- June 2022 Quarterly sampling of system influent/effluent conducted.
- Effluent of all three systems non-detect for PFOA/PFOS/PFBS.

***Site Inspection Addendum**

- Expect to submit report to regulators at the end of July.

*Air Force no longer using “expanded” with the “Site Inspection” for off-base sampling.





Land Use Control Updates



SS016-KC-46 Hangar Project

- Horizontal well EW003Ax16 pump test completed in May.
- Pump flow rate: 0.8 gpm

SD037-Bldg. 977, Aerial Port

- *NSTR

LF044, Concrete batch plant construction

- NSTR

SS016/SS029/ST032 Runway Repairs

- NSTR

*Nothing Significant To Report





Travis AFB Fuel Sheen/Storage Tank Investigation



- JP-4 (61 µg/L) detected in storm water - November 09, 2021
 - Environmental Restoration Program (ERP) funding pursued - January 18, 2022
 - Reopen Old Fuel Yard Site ST028 (Historic JP4 Site) concurrence - March 15, 2022
 - USACE confirmed project within restoration contract scope - March 30, 2022
 - Program Adjustment Request for ~ \$613K submitted - 6 June 2022
 - Funding approved by AFCEC - 30 June 2022
-
- *MIPR funds to Sacramento USACE - 15 July 2022*
 - *Internal stakeholder meeting - week of 27 July 2022*
 - *Contract Award - 15 August 2022*
 - *Contractor kickoff meeting - 30 August 2022*
 - *Project work plan (pending contract award):*
 - *Draft - September 2022; Government Comments - October 2022*
 - *Final Review and Revisions - December 2022; Final - January 2022*

Air Force Civil Engineer Center



ORC Program Update
RPM Meeting
July 20, 2022



Documents In Progress

CERCLA- Draft Documents

- *UFP- QAPP*
- *Site SD031 Data Gaps Investigation WP*
- *2021 Annual GRISR*

POCO- Draft Documents

none



Documents Planned

CERCLA

none

POCO

none



Completed Fieldwork

- 4Q21 GRIP Event
- *2Q21 GRIP Event*



Fieldwork Planned

CERCLA

- Site SD031 Data Gaps Investigation

August

POCO

none

Air Force Civil Engineer Center



Groundwater Treatment
Systems Updates April, May,
and June 2022



LF007C GWTP



- The LF007C GWTP was taken off line in October 2021 due to the formation of vernal pools. The system was brought back on line temporarily on 4 April 2022 to collect samples, and full time on 19 April 2022 after confirming effective treatment.
- The system had 100% uptime in May and June 2022.



ST018 GWTP

- System experienced 100% uptime in April, May, and 84% uptime in June 2022. System downtime was due to both extraction pumps shutting down, though no system alarms occurred. Both wells were restarted without issue.
- MTBE influent concentrations decreased in April 2022 (19 µg/L) compared to March 2022 (33 µg/L), and decreased further to 2.2 µg/L in May 2022, but increased to 47 µg/L in June 2022.
- System continues to run with only two extraction wells (EW2016x18, EW2333x18) on line. Two extraction wells (EW2014x18, EW2019x18) were previously taken off line due to low MTBE concentrations.



Central GWTP

- System experienced 92% uptime in April, 100% in May, and June 2022.
- Downtime in April 2022 was due to a water level sensor malfunction. The sensor was repaired and the system brought back on line without issue.
- The CGWTP SCADA system is in the process of being upgraded, with completion scheduled for the summer or fall of 2022.



SBBGWTP



- The SBBGWTP primary and secondary carbon vessels were both changed out on 10 May 2022. Confirmation samples were collected on 12 May 2022, and the system was taken off line while waiting for the sample results.
- The SBBGWTP was brought back on line on 26 May 2022 after confirmation samples were collected and showed effective treatment.
- The SBBGWTP had 98% uptime in June 2022 and remains on line.

Air Force Civil Engineer Center



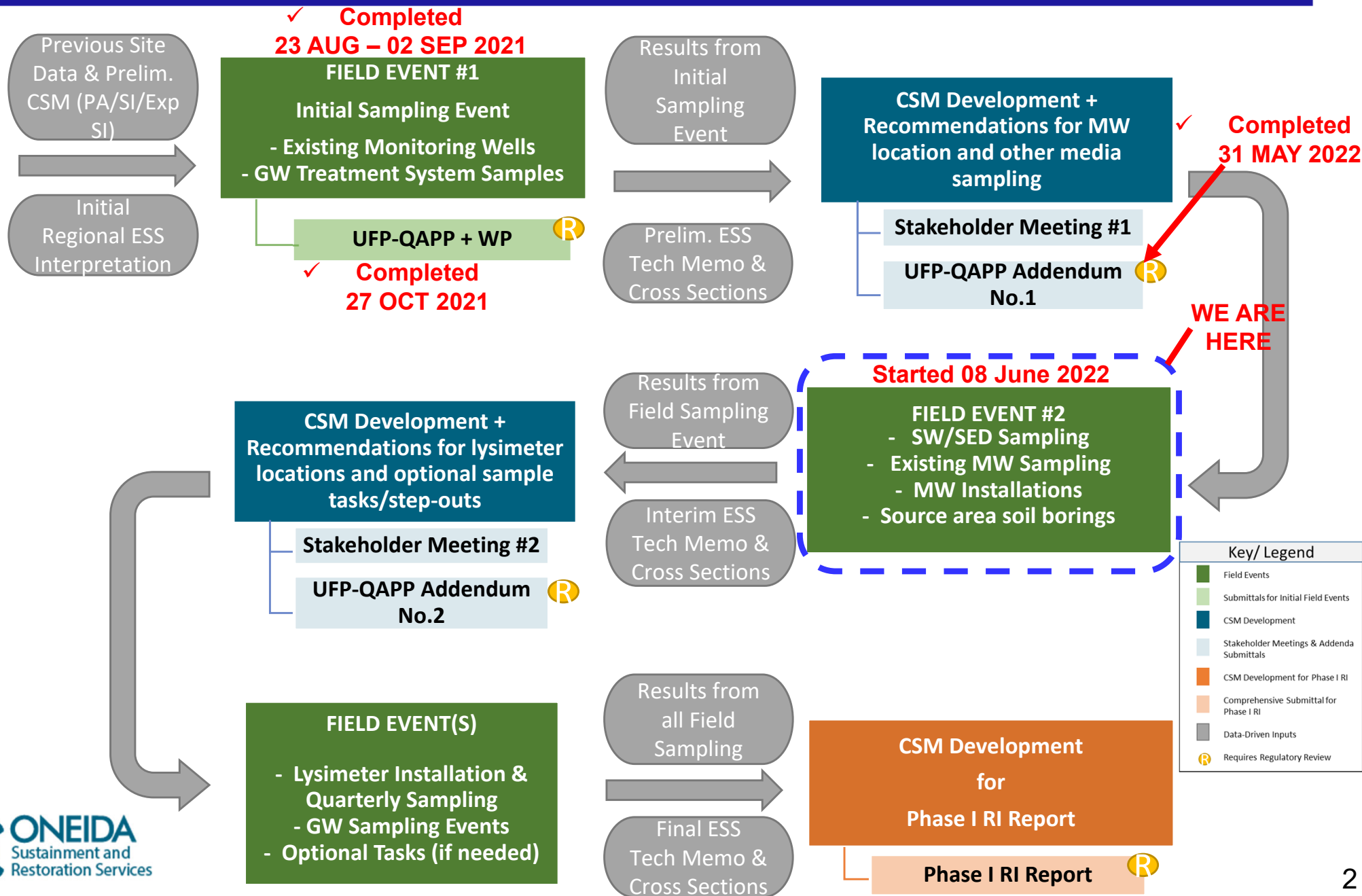
Travis Air Force Base Phase I Remedial Investigation of AFFF Areas

Presented by
Megan Duley, PM

20 July 2022



Phase I Remedial Investigation Data-Driven Process





Field Event #2

– June to October 2022



- **Sediment/Surface water sample collection (19 Locations) – Completed early June**
 - Assess potential impacts within Union Creek and Western Tributary
 - A second surface water sampling event to occur after a rain event when the ground may be saturated and increased stormwater runoff may be present
- **Groundwater sample collection – new and existing monitoring wells**
 - 121 existing wells sampled in June 2022
 - New wells to be sampled after installation



Field Event #2

– June to October 2022



- **Groundwater monitoring well installation (91 Locations)**
 - Support the delineation of the vertical and lateral extent of PFAS constituents in groundwater (deep/shallow)
- **Soil sample collection for PFAS constituents**
 - Monitoring well soil boring sample collection (55 Locations)
 - 30 soil samples analyzed for geochemical parameters
 - Source area soil boring sample collection (67 Locations)
- **Stream gauge installation (5 Locations)**
 - Support evaluation of groundwater-surface water interactions in different parts of Union Creek



Field Event #2 – Drilling Delay



- **On 27 May 2022, received the completed Section 106 of NHPA consultation package for the project, including SHPO concurrence on the determination of No Adverse Effect (to historic properties).**
- **On 10 June 2022, a stand down on mobilization for drilling was issued until completion of the Section 106 consultation process. On 14 June 2022, a meeting occurred with Travis AFB and the Tribe.**
- **From 14 and 30 June 2022, a change in activities from drilling to sampling existing wells was made with the Oneida Team who were already mobilized.**
- **On 07 July 2022, completed the Section 106 consultation process.**
- **On 08 July 2022, approval of a new drilling schedule was received.**
- **On 12 July 2022, the Oneida Team mobilized one drill rig for MW installation with other rigs mobilizing in the next weeks.**



Next Steps

- **Further CSM development with results from Field Event #2**
 - Update ESS & Cross Sections
- **UFP-QAPP Addendum No. 2**
 - Including final data from Field Event #2
- **Field Event #3 – May 2023**
 - Lysimeter installation & quarterly sampling
 - Optional MW installations as necessary
 - Optional soil borings as necessary
 - Sampling event of all proposed existing and newly installed MW
- **Phase I RI Report – Begin 2024**

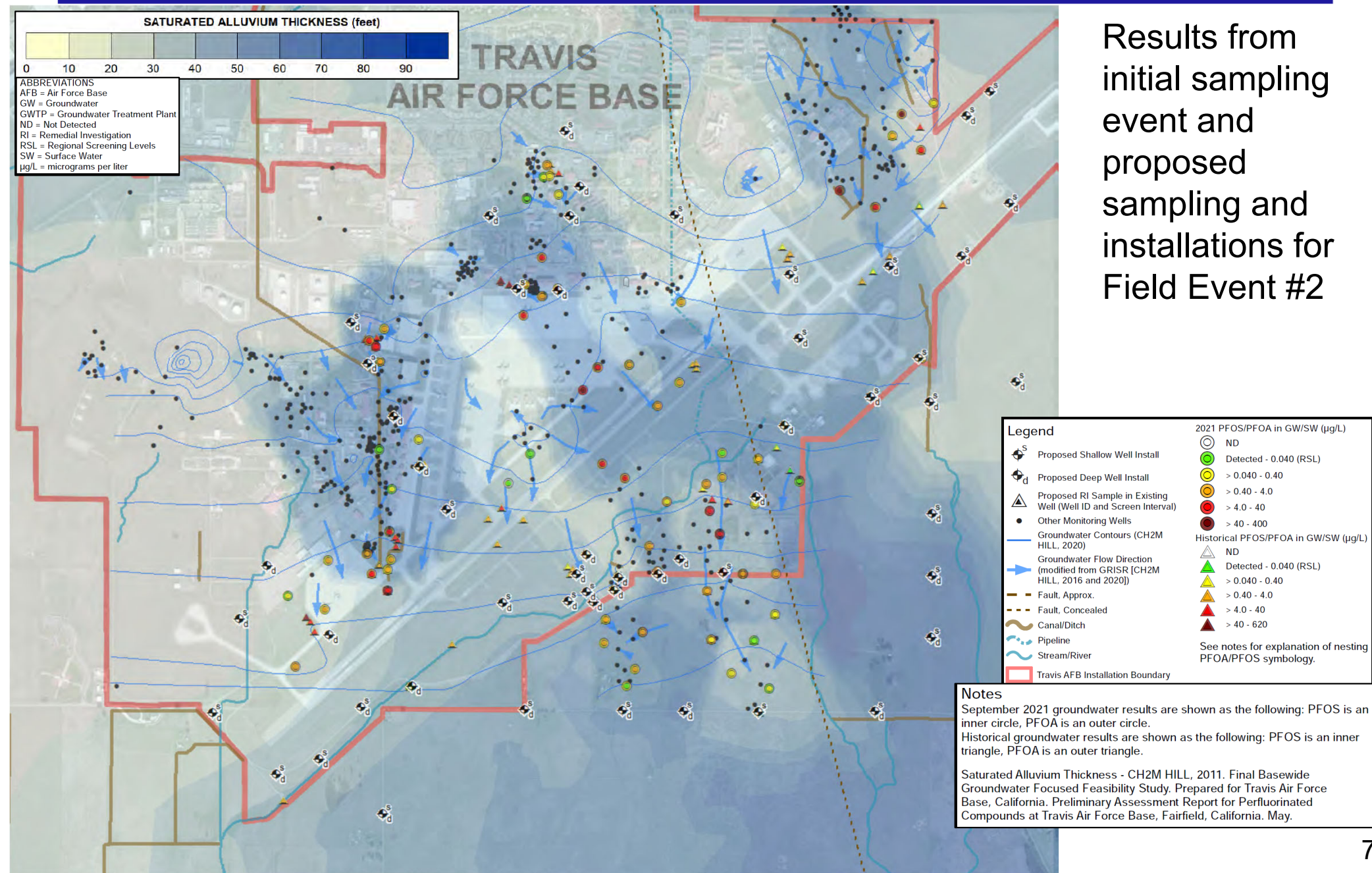


Field Event #2

Proposed Locations



Results from
initial sampling
event and
proposed
sampling and
installations for
Field Event #2





Questions?