Airport Commission Meeting February 8, 2022

**PFAS Investigation** Status Update





# Overview of Work Performed

Monohansett Rd

Groundwater Sampling at the Airport

# **O&M of POET Systems**

# Private Well Sampling

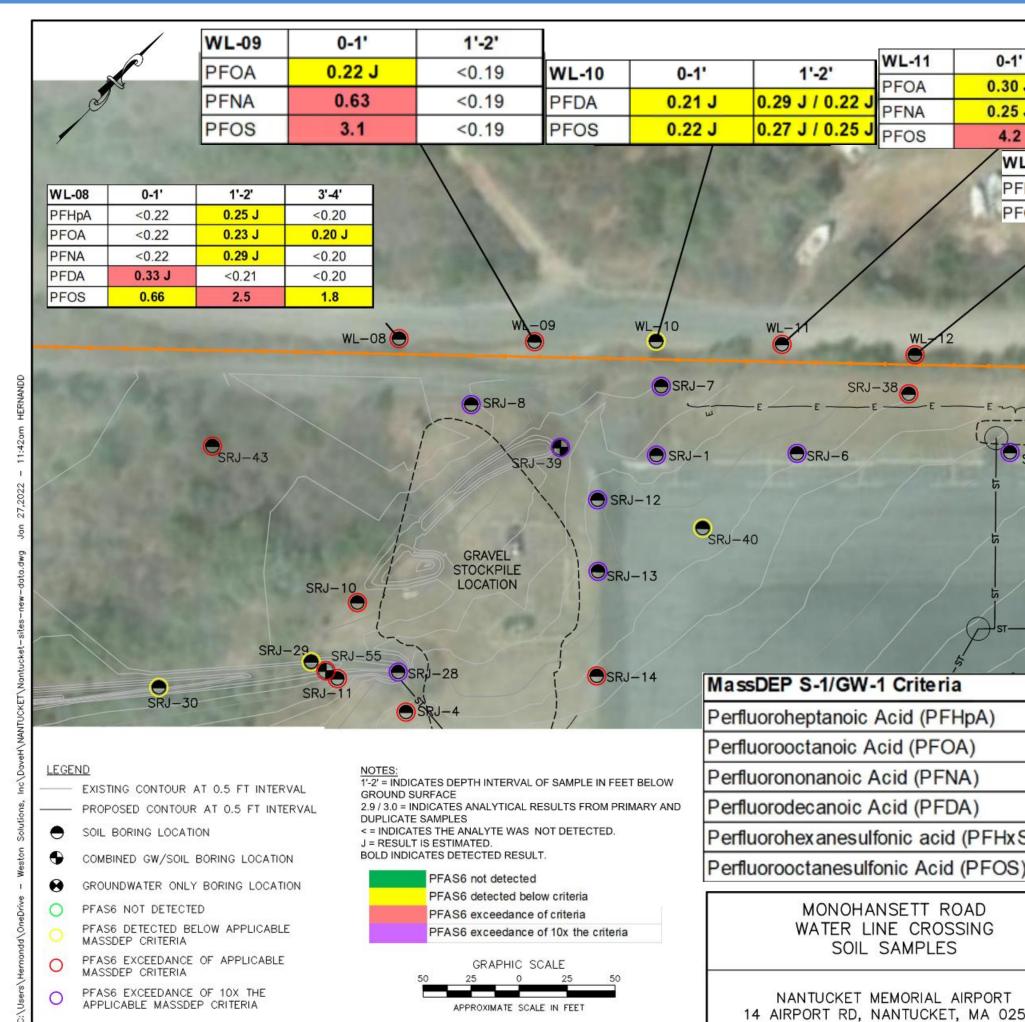
# Soil Sampling along

Total	Sampling Re	sults and Res	oonse	
	MVR	Monohansett	Nobadeer Way	Total
Access Agreements	24	33	23	88
Sampling Status				
# of Private Wells Sampled	22	35	20	77
# of Samples Collected	355	125	20	500
Most Recent Results				
ND	9	20	2	31
<20ppt	54	16	12	82
>20 & <200ppt	49	32	7	88
>200ppt	73	0	0	73
<b>POET Systems Installed</b>	15	4	0	19
<b>Residences with Bottled Water</b>	22	17	26	65
<b>Connected to Town Water</b>	0	0	8	8

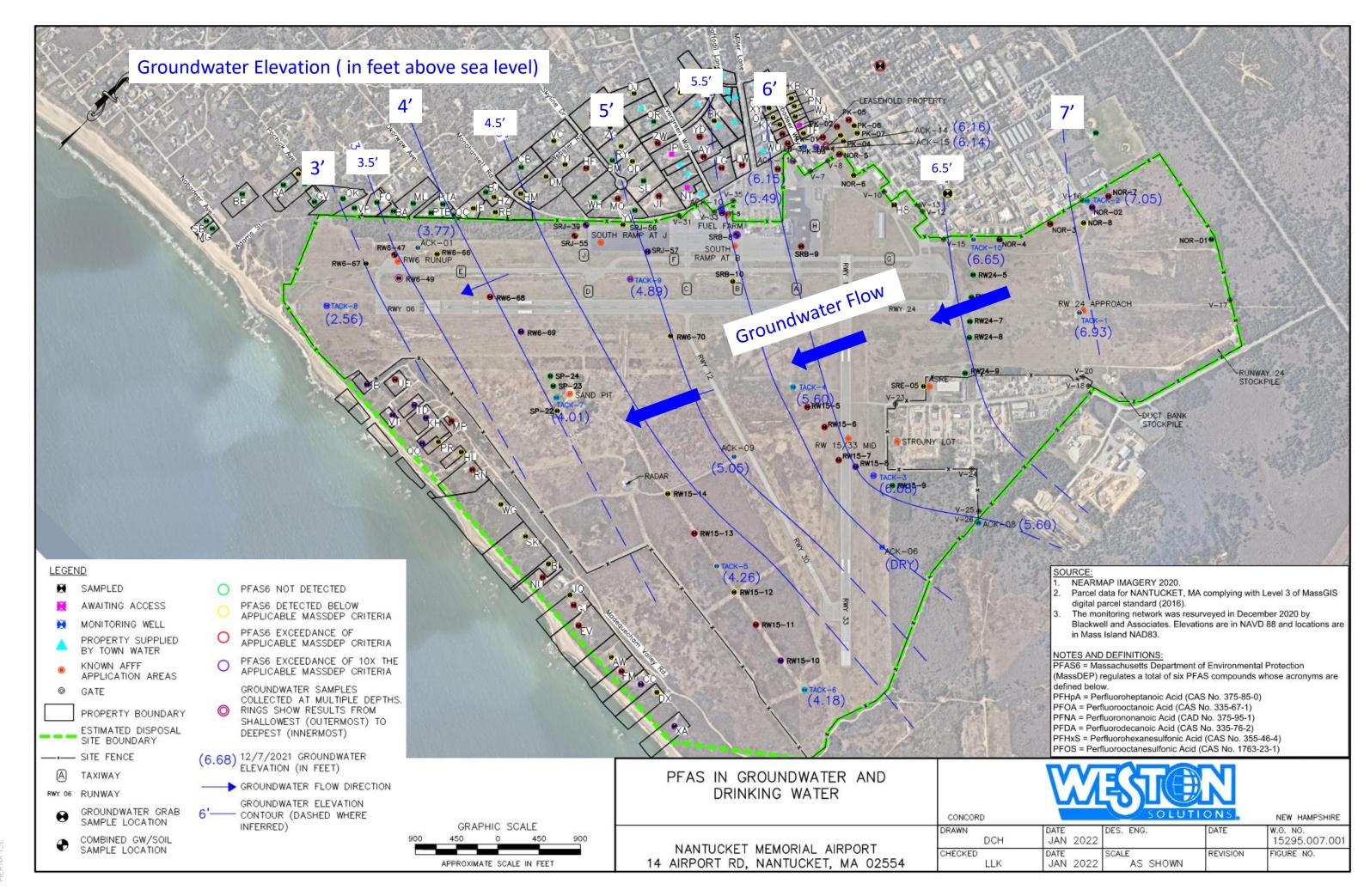
# **Sampling Figures and Data**

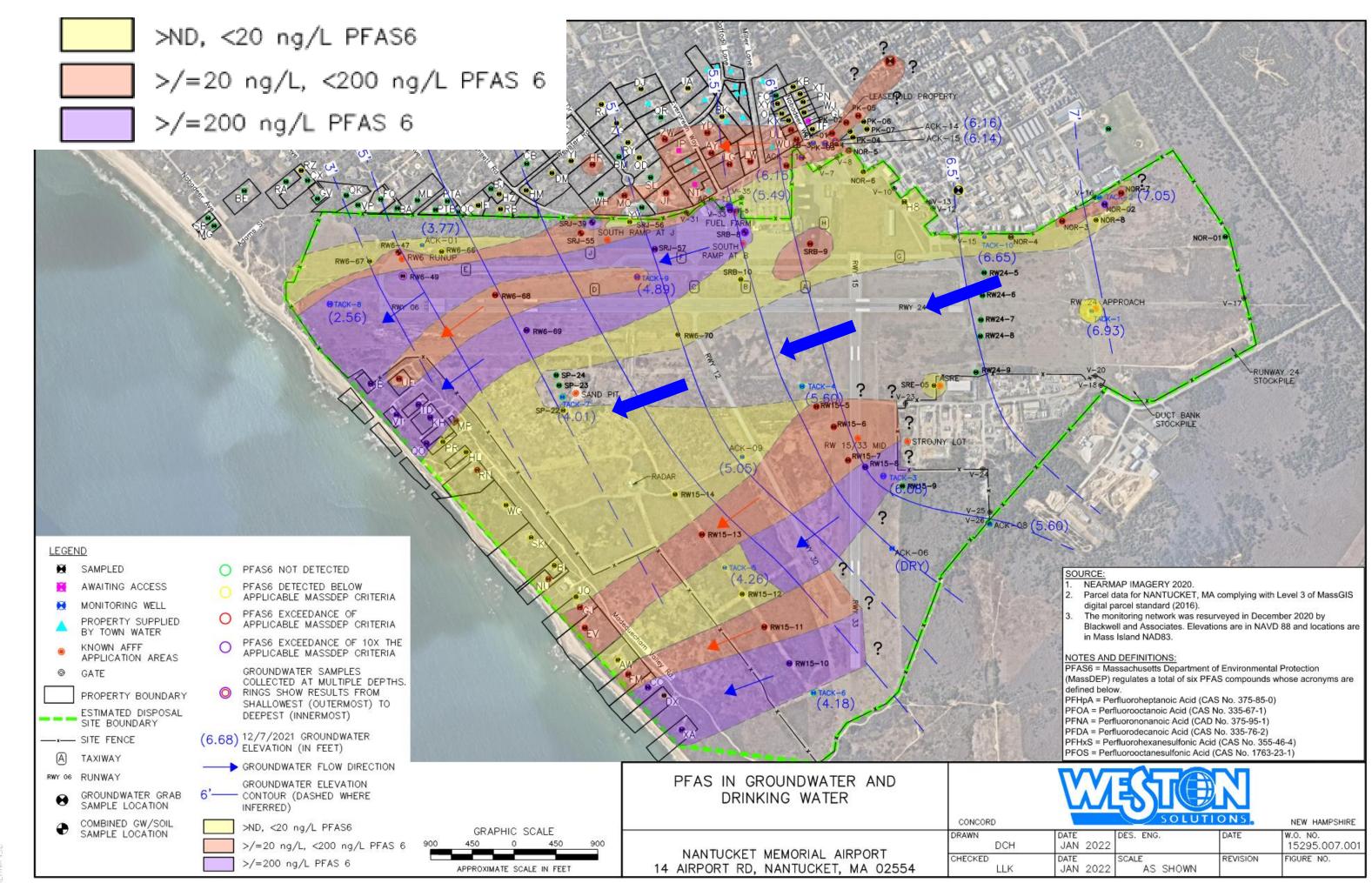
(Hold "Ctrl" key and press "+" key to enlarge graphics and figures)

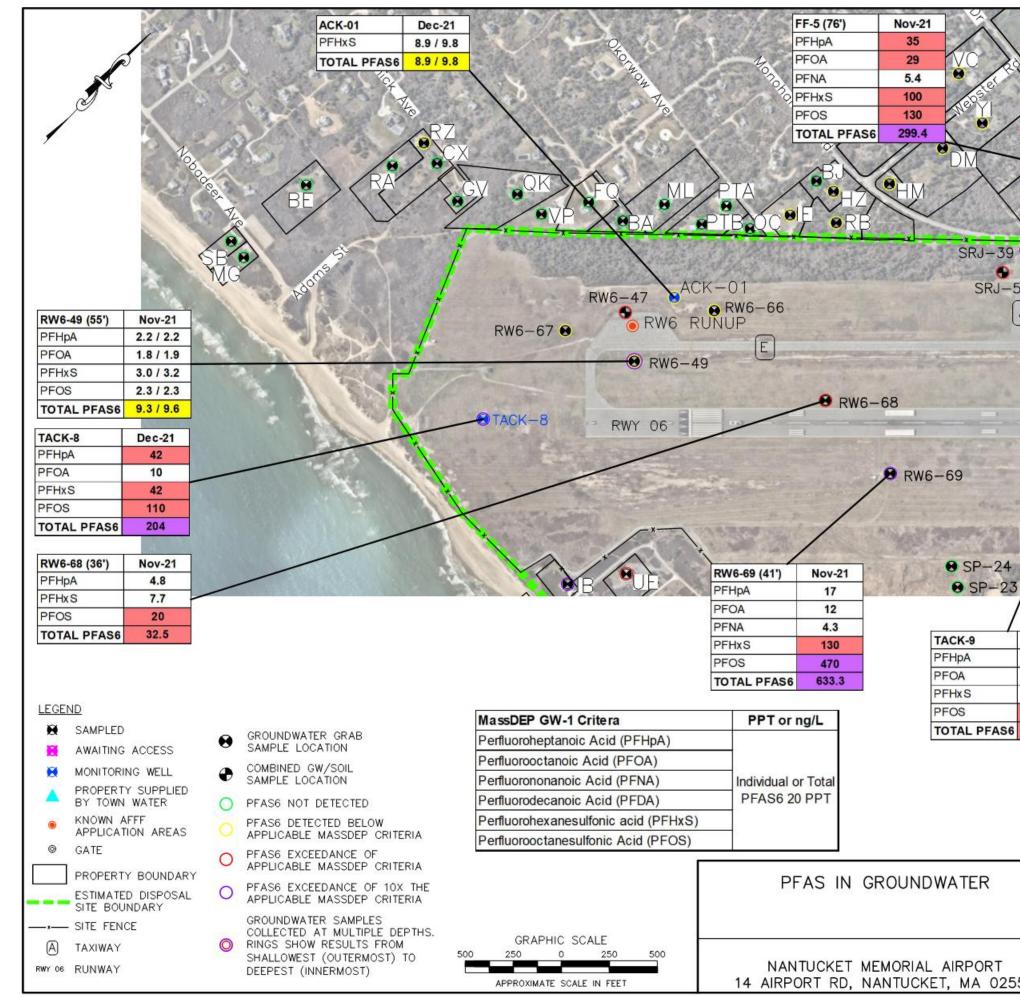




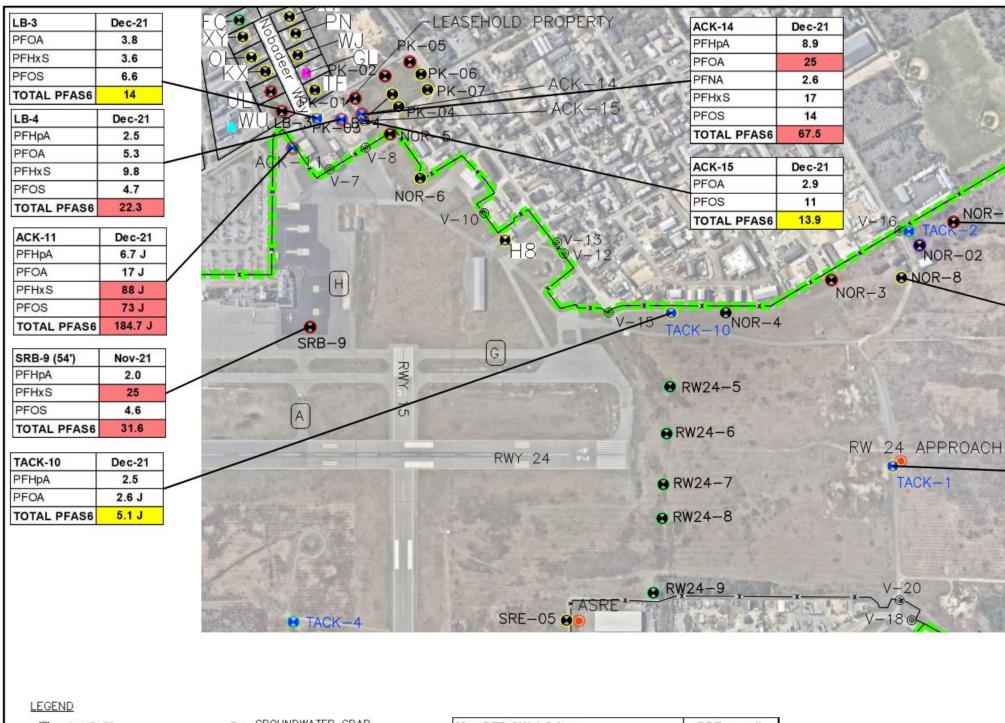
	1'-2'				
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i J	<0.19			10.05	and the second second
2	0.20 J		_		1000
L-12	0-1'	1'-2'	1	#7 B	and the state of the
FDA	0.32 J	<0.19	WL-13	0-1'	1'-2'
FOS	0.66	<0.19	PFDA	<0.21	0.27 J
/			PFOS	< 0.21	1.6
				/	an a
			/		100
		WL-1	13		
		•			and in strends
	-37	SRJ-36			
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S)	PPB or r 0.5 0.72 0.32 0.3 0.3 0.3 2			DATE	NEW HAMPSHIRE W.O. NO. 15295.007.001 FIGURE NO.

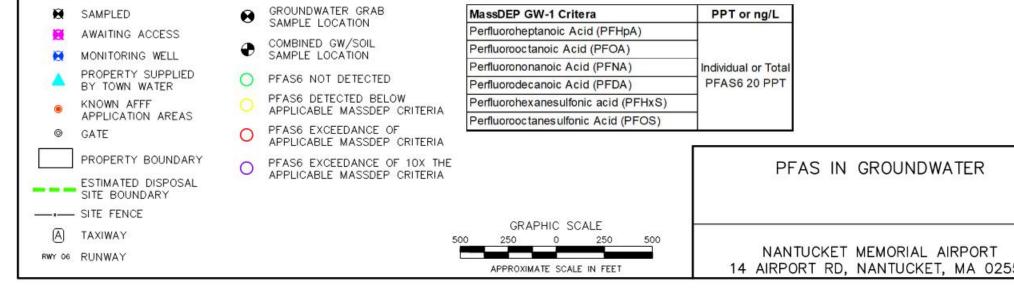




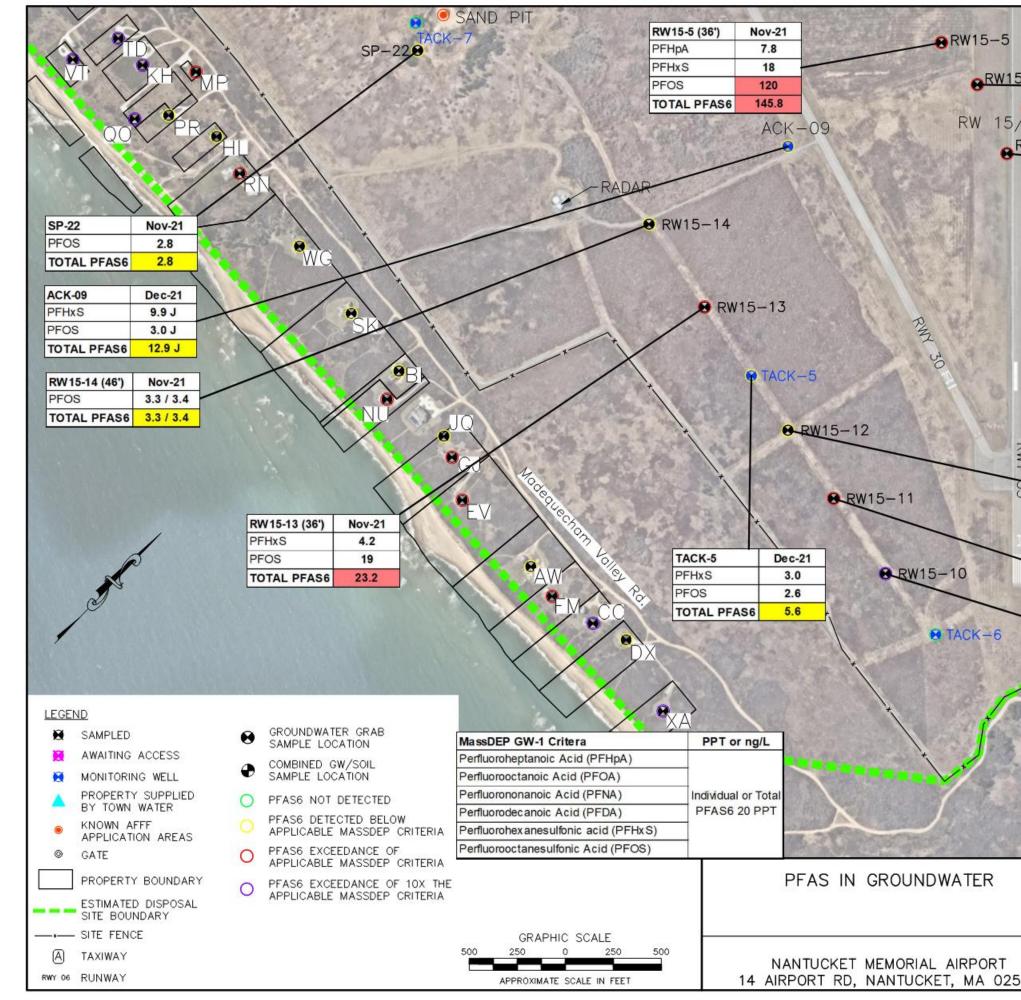


		EV IDI		
RJ	QR.	BK	ACK-10	Dec-21
/	HX H		PFHpA	330
	ZG /7V		PFOA	280
11		TP & AY	PFNA	94
X	RY/V	IP ZLAY ST	PFDA	5.0
-IF \	8 8 X	GU	W PFHxS	37
3	BM OD/		PFOS	49
1	15/		TOTAL PFAS6	795
1-	J SL/	YIN		
		VI-3	SRB-8 (75')	Nov-21
WH	MQ JI		PFHpA	6.2
6	MQ	AL V STOFFE	5 PFOA	9.3
1	-xx	V Z1 VOUITL	PFNA	2.4
Construction and the	SRJ-56	FUEL FAR	A FIG	78
	JTH RAMP AT	J SRB-8		410
5 0	SR.	I-57 SOUTH	TOTAL PFAS6	505.9
]		F RAMP AT E		
	1 Commence		SRJ-57 (76')	Nov-21
		SRB-1	0 PFHpA	35
-	PTACK-9	Q	PFOA	28
D	1	[C] [¥	PFNA	9.8
		Carlos Contractor	PFHxS	93
			PFOS	120
C. Mar	1	E A CHENNER	TOTAL PFAS6	285.8
Ser.	1	9 5140 70	SRB-10 (41')	Nov-21
- m	Las Harrison	RW6-70	PFHxS	10
1			PFOS	3.4 J
1	and the second second second	R	TOTAL PFAS6	13.4 J
	ALL DOG	3	COLUMN 1	-
1		ANT	RW6-70 (46')	Nov-21
1		MA ID	RW6-70 (46')	Nov-21
/		and the second se	PFHxS	1.9
/		and the second se		
Dec-2 <sup>4</sup> 15 J 5.1 J 17 J 20 J 57.1 J		SOURCE: 1. NEARMAP IMAGERY 202 2. Parcel data for NANTUCK digital parcel standard (20 3. The monitoring network w	PFHx S TOTAL PFAS6 20. ET, MA complying with Leve 16). as resurveyed in December Elevations are in NAVD 88 AKE DEPTH IN FEET BELC TICAL RESULTS FROM PR D RESULT.	1.9 1.9 el 3 of MassGIS 2020 by and locations an DW GROUND RIMARY AND
15 J 5.1 J 17 J 20 J	CONCORD	SOURCE: 1. NEARMAP IMAGERY 202 2. Parcel data for NANTUCK digital parcel standard (20 3. The monitoring network w Blackwell and Associates. in Mass Island NAD83. NOTES AND DEFINITIONS: 38' = INDICATES TUBING INT SURFACE 2.9 / 3.0 = INDICATES ANALY DUPLICATE SAMPLES J = RESULT IS ESTIMATED. BOLD INDICATES DETECTED "PFAS6" REFERS TO THE TO THE SIX REGULATED PFASC SHOWN FOR SAMPLES IN W	PFHxS TOTAL PFAS6 20. ET, MA complying with Leve 16). as resurveyed in December Elevations are in NAVD 88 AKE DEPTH IN FEET BELC TICAL RESULTS FROM PR D RESULT. DTAL COMBINED CONCENT COMPOUNDS.NO RESULT HICH NO PFAS6 WERE DE	1.9 1.9 el 3 of MassGIS 2020 by and locations are DW GROUND RIMARY AND TRATION OF S BOX IS ETECTED. NEW HAMPSHIRE
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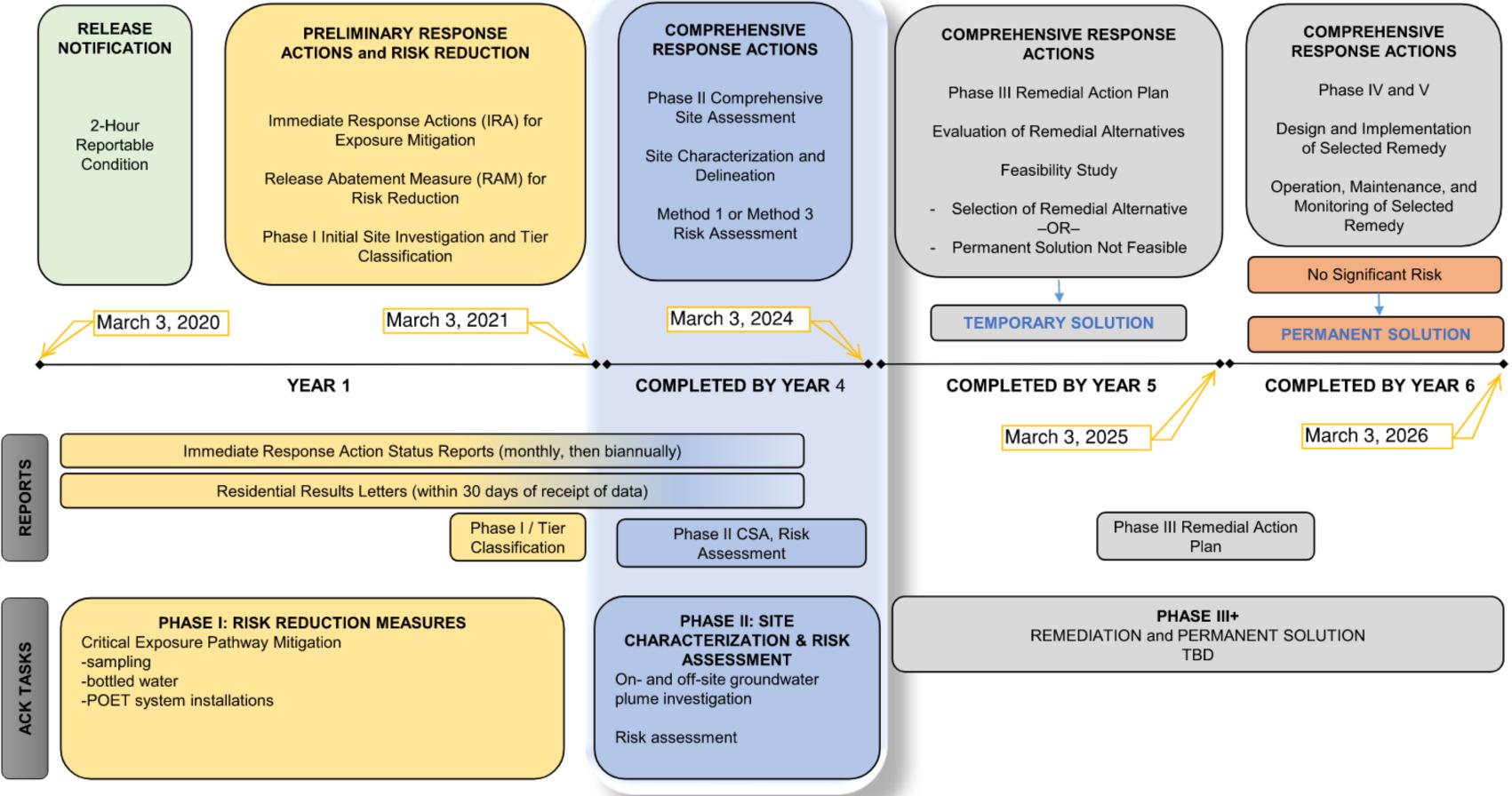


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No. A		S AS A	PFDA	4.1
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ma	And Landson		NOR-8 (66')	Nov-21
		A CARACTERINA	PFHpA	1.8
		12 30 3	TOTAL PFAS6	1.8
RAGE		V-17	and the second second	
A Sump of	- Antonio	TAK CARA	TACK-1	Dec-21
		A STOREA MANUE	PFHxS	7.6
		A CONTRACTOR OF A CONTRACTOR O	777355	
	A CONTRACTOR OF	RUNWAY 24 STOCKPILE SOURCE: 1. NEARMAP IMAGERY 2020 2. Parcel data for NANTUCKE digital parcel standard (2011 3. The monitoring network wa Blackwell and Associates. If in Mass Island NAD83. NOTES AND DEFINITIONS: 38' = INDICATES TUBING INTA SURFACE 2.9 / 3.0 = INDICATES ANALYT DUPLICATE SAMPLES J = RESULT IS ESTIMATED. BOLD INDICATES DETECTED "PFAS6" REFERS TO THE TOT THE SIX REGULATED PFAS C	ET, MA complying with Level 6). Is resurveyed in December 2 Elevations are in NAVD 88 a AKE DEPTH IN FEET BELO TICAL RESULTS FROM PRI RESULT. TAL COMBINED CONCENT	2020 by nd locations are W GROUND MARY AND RATION OF
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	A STATE OF STATE	S 100 2	PFHpA	4.6
-6	×		PFOA	3.5
	A STORE DO	ENI	PFHxS	3.5
•		STRO IN	IY LOT	13
33	3 MID 📗 🎴	STROOM	TOTAL PFAS6	24.6
W1	5-7	- Internet	DIMAE 7 (48)	Nov-21
6	RW15 8	10 11 1	RW15-7 (46')	39
	R TACK-	ZKO	V-24 PEOA	10
		RW15-9	PFOA	8.7
	16	(10-5	PFRXS	9.4
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and the second s	ACK	-06	V-26/2 ACK-08	5
			$\land$	the An
	PART RE		TACK-3	Dec-21
	States and a second		PFHpA	180 J
2	Divide do tam		PFOA	48 J
	RW15-12 (41')	Nov-21	PFHxS	3300 J
2	PFHxS	9.1	PFOS	25 J
77	PFOS	7.4	TOTAL PFAS6	and the second
	TOTAL PFAS6	16.5		
	RW15-11 (41')	Nov-21	RW15-8 (46')	Nov-21
	PFOA	2.1	PFHpA	50
	PFHxS	8.2	PFOA	17
	PFOS	27	PFHxS	190
	TOTAL PFAS6	37.3	PFOS	5.3 J
	ALL ALL TO	HA GRUNDS	TOTAL PFAS6	262.3 J
1				202.5 5
1	RW15-10 (41')	Nov-21	SOURCE:	202.5 5
No. W.	PFHpA	4.8	1. NEARMAP IMAGERY 2020.	1994 - 10-10
1 2 2 1	PFHpA PFOA	4.8 3.4		1994 - 10-10
+	PFHpA PFOA PFHxS	4.8 3.4 76	<ol> <li>NEARMAP IMAGERY 2020.</li> <li>Parcel data for NANTUCKET, MA complying with Level digital parcel standard (2016).</li> <li>The monitoring network was resurveyed in December 2</li> </ol>	3 of MassGIS 020 by
4	PFHpA PFOA PFHxS PFOS	4.8 3.4 76 290	<ol> <li>NEARMAP IMAGERY 2020.</li> <li>Parcel data for NANTUCKET, MA complying with Level digital parcel standard (2016).</li> </ol>	3 of MassGIS 020 by
	PFHpA PFOA PFHxS	4.8 3.4 76	<ol> <li>NEARMAP IMAGERY 2020.</li> <li>Parcel data for NANTUCKET, MA complying with Level digital parcel standard (2016).</li> <li>The monitoring network was resurveyed in December 2 Blackwell and Associates. Elevations are in NAVD 88 ar</li> </ol>	3 of MassGIS 020 by nd locations an W GROUND MARY AND RATION OF BOX IS
しき きんで 時にいったい ちんかう	PFHpA PFOA PFHxS PFOS TOTAL PFAS6 CONCORD DRAWN	4.8 3.4 76 290	1.       NEARMAP IMAGERY 2020.         2.       Parcel data for NANTUCKET, MA complying with Level digital parcel standard (2016).         3.       The monitoring network was resurveyed in December 2 Blackwell and Associates. Elevations are in NAVD 88 at in Mass Island NAD83.         NOTES AND DEFINITIONS:         38' = INDICATES TUBING INTAKE DEPTH IN FEET BELOW SURFACE         2.9 / 3.0 = INDICATES ANALYTICAL RESULTS FROM PRIDUPLICATE SAMPLES         J = RESULT IS ESTIMATED.         BOLD INDICATES DETECTED RESULT.         "PFAS6" REFERS TO THE TOTAL COMBINED CONCENTITHE SIX REGULATED PFAS COMPOUNDS.NO RESULTS         SHOWN FOR SAMPLES IN WHICH NO PFAS6 WERE DET         OUTES OF CONCOUNDS.NO RESULTS         SHOWN FOR SAMPLES IN WHICH NO PFAS6 WERE DET         OUTES DES. ENG.         DATE         DATE         DATE	3 of MassGIS 020 by nd locations at W GROUND MARY AND MARY AND RATION OF BOX IS TECTED.
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### MCP TIMELINE AND ACK TASKS



## Next Steps

### Limited Spring Mobilization

- Additional Groundwater Grab
   Sampling
- Strojny Lot and RW 15/33 Mid Area

Radar Plots/Off-Site Source Identification

### Transducer Download

## Data Compilation and Interpretation

## **Develop Plan for Fall Mobilization**

# East End of RW-33 North End Deeper Samples