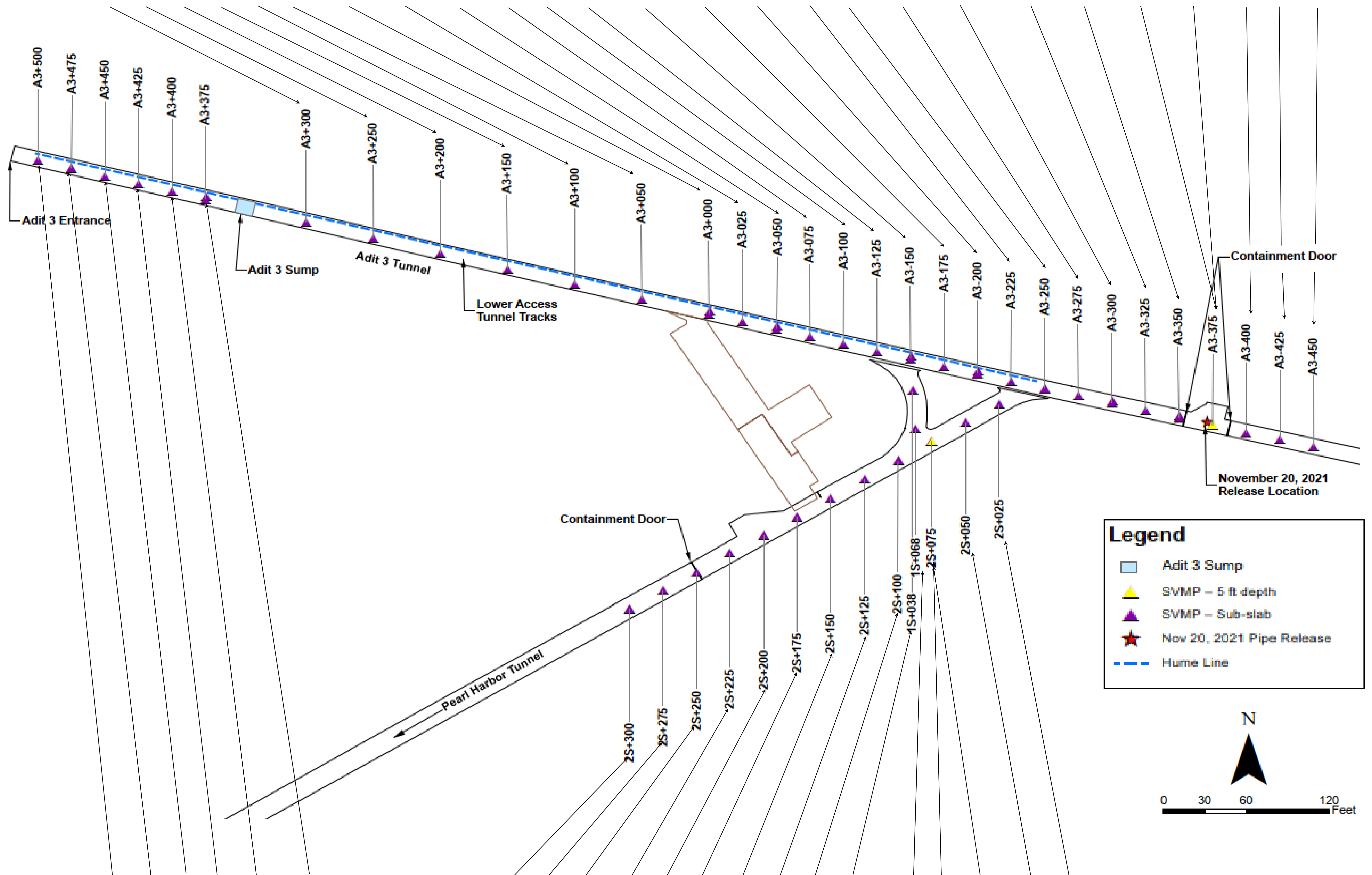


Event No	Date	A3+300	A3+250	A3+200	A3+150	A3+100	A3+050	A3a+000	A3b+000	A3-025	A3a-050	A3b-050	A3-075	A3-100	A3-125	A3a-150	A3b-150	A3-175	A3a-200	A3b-200	A3-225	A3-250	A3-275	A3a-300	A3b-300	A3-325	A3a-350	A3b-350	A3-375	A3-375-05.0	A3-400	A3-425	A3-450			
93	1/22/2025	0	0	0	0	0	0	0	NA	0	0	0	Tight	0	2	0	0	0	0	0	1	Tight	NA	NA	NA	2	1	2	0	0	0	0	0			
94	1/31/2025*	0	0	0	0	0	0	0	NA	0	0	0	Tight	0	1	0	NA	0	0	1	Tight	5	7	NA	NA	2	1	3	0	0	0	0	0			
95	2/6/2025*	1	0	0	0	0	0	0	NA	NA	NA	NA	Tight	1	1	0	0	0	1	1	Tight	7	14	1	1	3	2	4	0	0	0	0	0			
96	3/12/2025*	0	0	0	0	0	0	0	NA	0	0	0	Tight	0	0	0	0	0	0	0	Tight	4	9	0	1	1	1	1	0	0	0	0	0			
97	3/19/2025*	1	0	0	0	0	0	0	NA	0	0	0	Tight	1	1	0	0	0	1	1	Tight	9	15	1	1	3	2	3	0	0	0	0	0			
98	4/25/2025	0	0	0	0	0	0	0	0	0	0	0	Tight	0	0	0	0	0	0	0	NA	Tight	1	2	0	0	0	0	0	0	0	0	0	0		
99	5/2/2025*	0	0	0	0	0	0	0	0	0	0	0	Tight	0	0	NA	NA	0	0	0	0	Tight	1	2	0	0	1	0	0	0	0	0	0	0		
100	5/8/2025*	0	0	0	0	0	0	0	0	0	0	0	Tight	1	1	0	0	0	0	0	NA	Tight	4	10	1	1	3	2	4	0	0	0	0	0		
101	6/25/2025	NA	NA	NA	0	0	1	0	0	0	1	0	Tight	1	1	1	1	1	1	1	1	Tight	4	29	1	1	3	2	4	1	0	0	0	0		
102	7/22/2025*	2	1	1	1	1	1	1	1	1	1	1	Tight	1	1	1	NA	1	1	2	Tight	6	28	1	1	6	3	7	1	1	0	0	0			
103	7/29/2025*	0	0	0	0	0	0	0	0	NA	0	0	Tight	0	0	0	0	0	0	0	Tight	1	5	0	0	1	1	1	0	0	0	0	0			
104	8/19/2025	0	0	0	0	0	0	0	0	0	0	0	Tight	0	0	0	0	0	1	0	Tight	2	9	1	1	2	1	1	0	0	0	0	0			
105	9/16/2025	0	0	0	0	0	0	0	0	0	0	0	Tight	2	8	0	0	0	0	0	Tight	2	8	0	0	1	1	1	0	0	0	0	0			
106	10/21/2025	1	0	0	0	0	0	0	0	1	1	NA	Tight	2	1	1	1	2	2	2	Tight	6	25	1	2	5	4	4	1	1	0	0	0			
107	11/11/2025*	0	0	0	0	0	0	0	0	0	0	0	Tight	0	0	0	0	0	0	0	0	Tight	1	3	0	0	1	0	1	0	0	0	0	0		
108	11/18/2025*	0	0	0	0	1	0	1	0	0	0	0	Tight	0	0	0	0	0	0	0	NA	Tight	1	4	0	0	0	0	1	0	0	0	0	0		
109	12/16/2025*	NA	0	0	0	0	0	0	0	0	0	0	Tight	0	0	0	0	1	1	1	Tight	2	6	0	0	1	1	1	0	0	0	0	0	0		
110	12/23/2025*	NA	0	0	0	0	0	0	0	0	0	0	Tight	0	1	0	1	1	1	1	Tight	2	5	0	0	1	1	1	0	0	0	0	0	0		
111	12/30/2025*	0	1	0	0	0	0	0	0	0	0	0	Tight	0	0	0	0	0	0	0	0	Tight	1	0	0	0	0	0	0	0	0	0	0	0	0	
112	1/20/2026	0	0	0	0	0	0	0	0	0	0	0	Tight	0	0	0	0	0	0	0	0	Tight	1	3	0	0	1	0	1	0	0	0	0	0	0	
113	2/10/2026*	NA	0	0	0	0	0	0	0	0	0	0	Tight	0	0	0	0	0	0	0	1	Tight	2	7	0	0	1	1	1	0	0	0	0	0	0	
114	2/17/2026*	NA	0	0	0	0	0	0	0	0	0	0	Tight	0	0	0	0	0	0	0	0	Tight	1	7	1	1	1	1	1	0	0	0	0	0	0	
115	2/24/2026*	NA	0	0	0	0	0	0	0	1	1	1	Tight	2	3	1	1	1	2	2	Tight	8	21	1	2	4	2	2	0	1	0	0	0	0	0	
116	3/3/2026*	0	0	0	0	0	0	0	0	0	0	0	Tight	0	0	0	0	0	0	0	0	Tight	1	3	0	0	0	0	0	0	0	0	0	0	0	0
117	3/16/2026*	NA	NA	0	0	0	0	0	0	0	0	0	Tight	0	Tight	0	0	0	0	0	0	Tight	2	10	0	0	2	0	1	0	0	0	0	0	0	
118	3/23/2026*	NA	NA	1	0	0	0	0	0	0	0	0	Tight	0	Tight	0	0	0	0	0	0	Tight	1	7	0	0	1	0	0	0	0	0	0	0	0	0
119	3/30/2026*	NA	NA	0	1	1	1	0	0	1	1	0	Tight	2	Tight	0	0	0	1	1	Tight	3	21	1	1	4	2	3	0	0	0	0	0	0	0	
120	4/13/2026*	NA	NA	1	1	1	1	1	1	1	1	1	Tight	2	Tight	1	1	1	1	1	1	Tight	3	17	1	1	4	3	3	0	0	0	0	0	0	

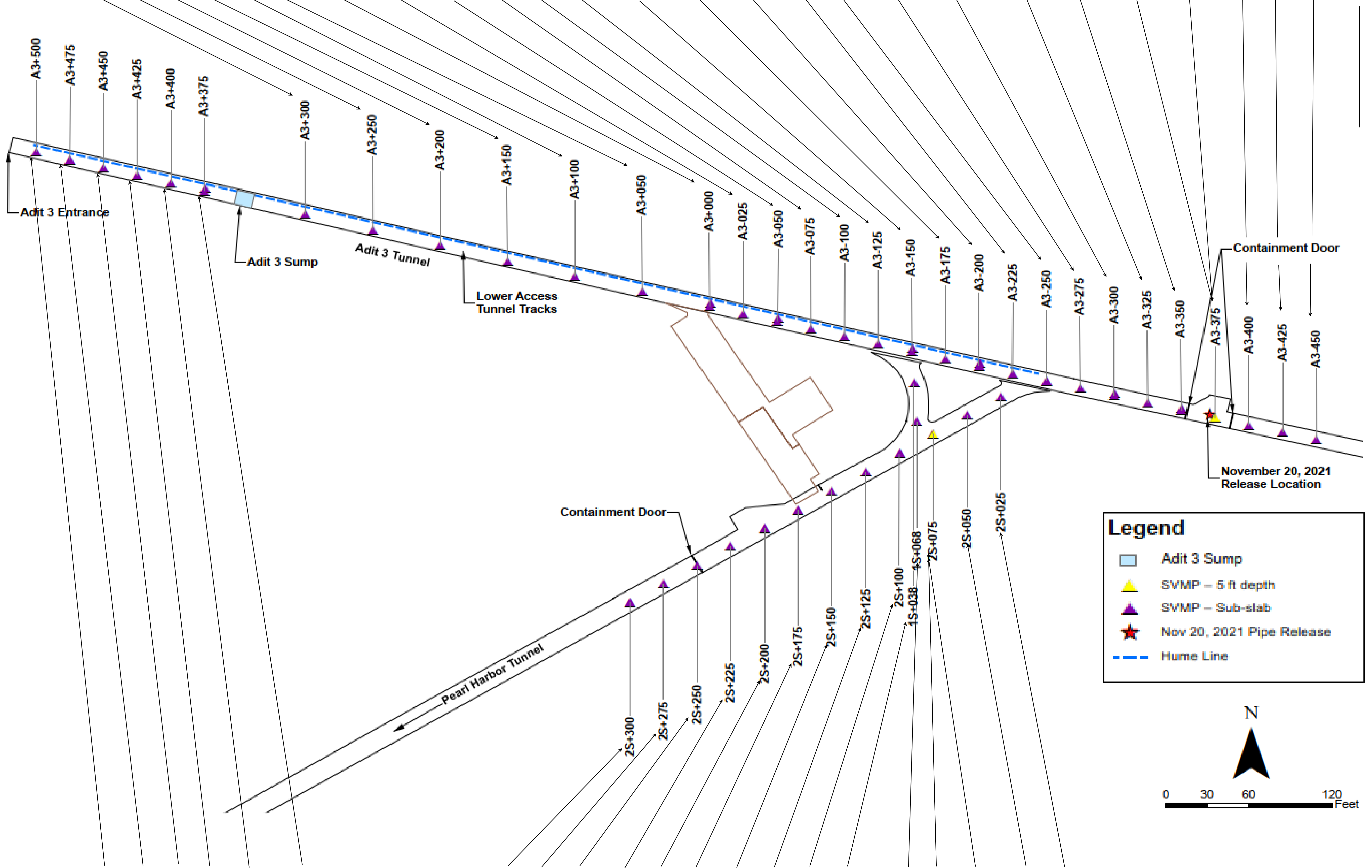


Event No.	Date	A3+500	A3+475	A3+450	A3+425	A3+400	A3+375	A3b+375
93	1/22/2025	0	0	0	0	0	0	0
94	1/31/2025*	0	0	0	0	0	0	0
95	2/6/2025*	0	0	0	0	0	0	0
96	3/12/2025*	0	0	0	0	0	0	0
97	3/19/2025*	2	0	0	0	0	0	0
98	4/25/2025	0	0	0	0	0	0	0
99	5/2/2025*	1	0	0	0	0	0	0
100	5/8/2025*	0	0	0	0	0	0	0
101	6/25/2025	0	0	0	0	0	0	0
102	7/22/2025*	1	0	0	0	1	0	0
103	7/29/2025*	0	0	0	0	0	0	0
104	8/19/2025	0	0	0	0	0	0	0
105	9/16/2025	0	0	0	0	0	0	0
106	10/21/2025	0	0	0	0	0	0	0
107	11/11/2025*	0	0	0	0	0	0	0
108	11/18/2025*	0	0	0	0	0	0	0
109	12/16/2025*	NA	0	0	0	0	0	0
110	12/23/2025*	NA	0	0	0	0	0	0
111	12/30/2025*	NA	0	0	0	0	0	0
112	1/20/2026	0	0	0	0	0	0	0
113	2/10/2026*	NA	NA	0	0	0	0	NA
114	2/17/2026*	NA	0	0	0	0	0	NA
115	2/24/2026*	NA	0	0	NA	0	0	NA
116	3/3/2026*	NA	0	0	0	0	0	NA
117	3/16/2026*	NA	NA	NA	NA	0	0	NA
118	3/23/2026*	NA	NA	NA	NA	0	0	NA
119	3/30/2026*	NA	NA	NA	NA	0	0	NA
120	4/13/2026*	NA	NA	NA	NA	1	1	NA

Date	2S+300	2S+275	2S+250	2S+225	2S+200	2S+175	2S+150	2S+125	2S+100	1S+038	1S+068	2S+075	2S+075-05.0	2S+050	2S+025
1/22/2025	0	0	0	0	0	1	1	1	9	0	0	8	1	1	1
1/31/2025*	0	0	0	0	0	0	0	1	5	0	0	4	1	0	0
2/6/2025*	0	0	0	0	1	1	1	2	10	0	1	8	2	1	1
3/12/2025*	0	0	0	0	0	0	0	NA	NA	6	NA	NA	5	1	0
3/19/2025*	1	1	2	1	1	2	NA	NA	11	NA	NA	10	2	0	1
4/25/2025	0	0	0	0	0	0	0	0	1	NA	NA	1	0	0	0
5/2/2025*	0	0	0	0	0	0	0	1	2	0	NA	2	0	0	0
5/8/2025*	0	0	1	0	0	0	0	1	8	NA	NA	8	1	0	0
6/25/2025	0	0	0	0	Tight	1	1	1	12	NA	NA	9	NA	1	1
7/22/2025*	1	1	1	1	1	1	1	1	123	1	1	11	3	1	1
7/29/2025*	0	0	0	0	0	0	0	1	5	0	0	4	1	0	0
8/19/2025	0	0	0	0	0	0	0	1	8	0	NA	5	1	0	0
9/16/2025	0	0	0	0	0	0	0	1	6	0	NA	4	0	0	0
10/21/2025	0	0	0	1	1	1	1	3	16	NA	NA	10	2	NA	1
11/11/2025*	0	0	0	0	0	0	0	0	3	0	0	2	0	0	0
11/18/2025*	0	0	0	0	0	0	0	0	NA	0	0	1	0	0	0
12/16/2025*	0	0	0	0	0	0	0	1	4	0	0	2	0	0	0
12/23/2025*	0	0	0	0	0	0	0	1	6	1	1	4	2	0	0
12/30/2025*	1	0	0	0	0	0	0	1	2	1	2	2	0	0	0
1/20/2026	0	0	0	0	0	0	0	0	2	0	0	2	2	0	0
2/10/2026*	0	0	0	0	0	0	0	1	5	0	0	3	0	0	0
2/17/2026*	0	0	0	0	0	0	0	1	6	0	0	5	0	0	0
2/24/2026*	1	1	1	1	1	1	1	3	15	2	2	13	3	1	2
3/3/2026*	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0
3/16/2026*	0	0	0	NA	NA	0	0	1	6	0	0	7	1	0	0
3/23/2026*	NA	NA	NA	NA	NA	NA	0	0	3	0	0	4	0	0	0
3/30/2026*	NA	NA	NA	NA	NA	1	1	2	11	1	1	14	3	1	1
4/13/2026*	NA	NA	1	NA	NA	1	1	2	12	1	1	12	1	1	1

Figure 1a. Soil Vapor Monitoring Point Results  
January 22, 2025 - April 13, 2026  
Adit 3 Tunnel and Pearl Harbor Tunnel

Event No	Date	A3+300	A3+250	A3+200	A3+150	A3+100	A3+050	A3a+000	A3b+000	A3+025	A3a+050	A3b+050	A3+075	A3+100	A3+125	A3a+150	A3b+150	A3+175	A3a+200	A3b+200	A3+225	A3+250	A3+275	A3a+300	A3b+300	A3+325	A3a+350	A3b+350	A3+375	A3+375-05.0	A3+400	A3+425	A3+450	
71	1/12/2024*	1	0	0	0	0	1	1	1	1	1	1	Tight	2	24	1	2	1	2	4	Tight	32	62	1	2	22	20	40	9	17	0	1	1	0
72	1/19/2024*	3	1	1	1	1	2	1	1	2	2	2	Tight	2	2	1	2	1	4	2	Tight	14	6	2	3	8	5	28	1	1	1	1	1	1
73	2/23/2024	6	1	1	0	0	0	0	0	0	0	0	Tight	1	1	1	1	1	2	4	4	59	81	2	3	28	11	32	7	6	1	2	3	
74	3/5/2024*	3	1	1	1	0	1	1	1	1	2	2	Tight	4	4	Tight	3	2	4	6	Tight	37	53	3	2	29	11	29	6	4	0	0	0	
75	3/12/2024*	1	0	0	0	0	0	0	0	0	0	0	Tight	1	0	0	0	0	1	1	Tight	13	11	0	1	6	3	3	1	1	0	0	0	
76	4/9/2024*	2	0	0	0	0	0	0	0	1	0	0	Tight	1	1	1	1	1	1	2	Tight	16	18	1	1	7	4	6	2	2	0	0	0	
77	4/16/2024*	1	1	0	1	1	1	1	1	1	1	1	Tight	1	1	1	1	1	2	2	Tight	17	22	1	1	6	3	8	1	1	0	0	0	
78	4/23/2024*	2	1	1	1	1	1	1	1	1	1	1	Tight	1	1	1	1	1	2	2	Tight	10	11	1	2	4	3	4	1	1	0	1	0	
79	4/29/2024*	1	1	1	1	1	1	1	1	1	1	1	Tight	1	1	1	1	1	2	2	Tight	9	11	2	2	5	2	6	1	1	0	0	0	
80	5/6/2024*	3	1	0	2	0	0	1	2	1	0	1	Tight	1	1	0	0	0	1	2	Tight	2	2	2	2	1	0	10	0	0	0	0	0	
81	5/17/2024*	3	1	1	0	0	0	0	0	0	0	0	Tight	0	1	0	0	0	1	1	Tight	23	40	1	1	10	5	8	2	1	1	1	1	
82	5/24/2024*	NA	1	1	2	0	1	0	1	1	2	1	Tight	1	2	1	1	1	2	3	Tight	20	27	3	4	10	9	12	4	4	2	2	2	
83	6/11/2024	1	1	1	1	0	1	0	1	1	1	1	Tight	1	1	1	1	1	1	2	Tight	9	14	1	1	3	3	6	1	1	0	0	0	
84	7/9/2024	0	0	0	1	0	1	1	1	1	0	0	Tight	1	1	0	0	0	1	1	Tight	6	10	1	1	2	2	3	1	1	0	0	0	
85	8/15/2024	2	0	1	0	0	0	0	2	1	1	1	Tight	2	2	1	1	1	2	2	1	0	24	0	0	7	5	13	2	2	0	1	3	
86	9/12/2024	7	0	1	1	1	1	0	1	0	0	0	Tight	1	1	0	NA	1	1	1	NA	12	14	1	1	2	2	5	1	1	0	0	0	
87	10/9/2024	1	0	1	0	0	0	0	1	0	0	0	Tight	1	1	NA	0	0	1	1	Tight	10	11	0	1	3	NA	3	2	0	0	0	0	
88	10/30/2024*	1	0	0	0	0	0	0	0	0	0	0	Tight	0	0	0	0	0	0	1	Tight	8	12	0	1	2	1	2	1	0	0	0	0	
89	11/5/2024*	1	0	0	0	0	0	0	0	0	0	0	Tight	1	1	0	0	0	1	1	Tight	6	12	0	1	2	2	2	0	0	0	0	0	
90	11/8/2024*	1	0	0	0	0	0	0	0	0	0	0	Tight	0	1	0	0	0	0	1	Tight	7	11	1	1	2	2	3	1	0	0	0	0	
91	11/14/2024*	1	0	0	1	0	0	NA	NA	0	0	0	Tight	1	1	0	0	0	1	1	Tight	6	9	1	1	2	2	1	0	0	0	0	0	
92	12/17/2024	1	0	0	0	0	0	0	NA	0	0	0	Tight	0	1	0	NA	0	0	1	Tight	4	5	0	1	2	1	2	0	0	0	0	0	

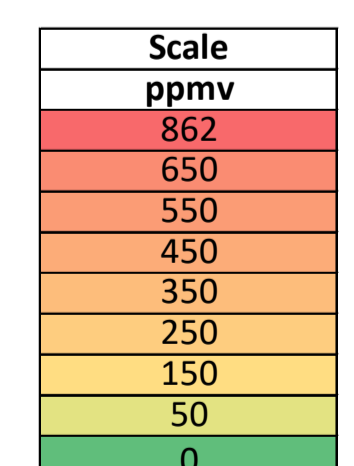


Event No.	Date	A3+500	A3+475	A3+450	A3+425	A3+400	A3a+375	A3b+375
71	1/12/2024*	0	0	0	0	0	0	0
72	1/19/2024*	2	1	1	1	1	1	1
73	2/23/2024	1	1	1	1	1	1	1
74	3/5/2024*	1	1	1	1	0	1	1
75	3/12/2024*	1	0	0	0	0	0	0
76	4/9/2024*	0	0	0	0	0	0	0
77	4/16/2024*	1	1	1	1	0	0	1
78	4/23/2024*	1	1	1	1	1	1	1
79	4/29/2024*	1	1	1	1	1	1	1
80	5/6/2024*	0	0	0	2	2	1	0
81	5/17/2024*	1	1	1	1	1	1	1
82	5/24/2024*	1	1	1	0	0	0	0
83	6/11/2024	1	1	15	0	0	0	1
84	7/9/2024	0	0	0	0	0	0	0
85	8/15/2024	0	0	0	0	0	0	0
86	9/12/2024	0	0	0	0	0	0	1
87	10/9/2024	0	0	0	0	0	0	0
88	10/30/2024*	NA	0	0	0	0	0	0
89	11/5/2024*	NA	0	0	0	0	0	0
90	11/8/2024*	NA	0	0	0	0	0	0
91	11/14/2024*	0	0	0	0	0	0	0
92	12/17/2024	0	0	0	0	0	0	0

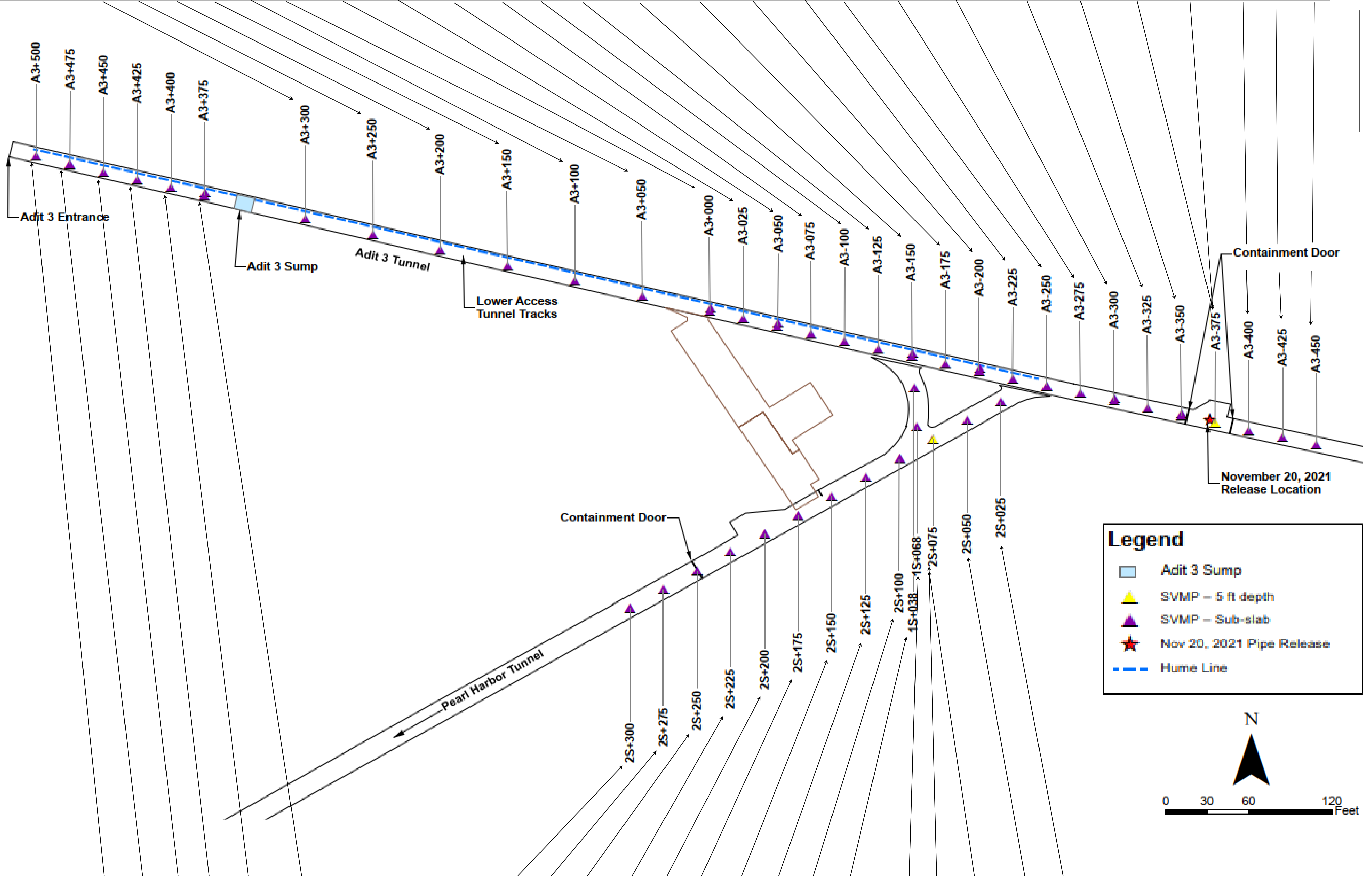
Date	2S+300	2S+275	2S+250	2S+225	2S+200	2S+175	2S+150	2S+125	2S+100	1S+038	1S+068	2S+075	2S+075-05.0	2S+050	2S+025
1/12/2024*	0	0	0	0	0	0	0	0	70	0	0	54	8	0	0
1/19/2024*	2	1	1	2	1	2	2	3	28	1	1	12	3	2	3
2/23/2024	1	1	0	1	1	2	1	2	87	1	1	35	12	2	3
3/5/2024*	1	2	2	2	Tight	3	2	4	54	2	2	27	10	3	3
3/12/2024*	0	0	0	0	0	0	0	0	20	0	0	12	2	0	0
4/9/2024*	1	1	1	1	1	1	1	2	20	1	1	3	15	2	1
4/16/2024*	1	1	0	0	2	1	1	2	21	1	1	18	3	1	1
4/23/2024*	1	1	1	1	1	1	2	4	12	1	2	10	3	1	1
4/29/2024*	1	1	1	1	1	2	2	4	10	2	2	10	3	1	2
5/6/2024*	1	1	1	1	1	1	2	1	1	1	1	2	2	1	1
5/17/2024*	0	0	0	0	0	0	1	1	4	0	1	NA	NA	NA	0
5/24/2024*	2	2	2	2	3	3	3	5	23	3	3	20	NA	NA	2
6/11/2024	1	1	1	1	1	1	1	2	13	1	2	NA	2	NA	NA
7/9/2024	0	0	0	0	1	1	1	1	9	1	1	6	2	1	1
8/15/2024	0	1	1	1	1	0	2	1	42	1	2	21	9	0	NA
9/12/2024	0	0	0	0	1	1	1	1	NA	20	1	NA	NA	NA	NA
10/9/2024	0	0	0	0	1	1	1	1	4	27	NA	NA	11	2	1
10/30/2024*	0	0	0	0	0	0	0	0	1	NA	0	1	NA	NA	NA
11/5/2024*	0	0	0	0	0	0	0	0	1	NA	0	1	6	1	NA
11/8/2024*	NA	NA	0	0	0	0	0	1	8	0	0	7	1	NA	NA
11/14/2024*	NA	NA	1	1	1	1	1	1	7	1	1	6	1	NA	NA
12/17/2024	0	0	0	0	0	0	0	1	7	0	0	5	1	0	0

Figure 1b. Soil Vapor Monitoring Point Results  
January 12, 2024 - December 17, 2024  
Adit 3 Tunnel and Pearl Harbor Tunnel

Notes  
\* denotes out-of-frequency sampling events that were conducted in response to a significant rain event that exceeded 1 inch in 24 hours. An additional follow-up sampling event is conducted 7 days after the initial event.  
NA = not analyzed



Event No	Date	A3+300	A3+250	A3+200	A3+150	A3+100	A3+050	A3a+000	A3b+000	A3-025	A3a-050	A3b-050	A3-075	A3-100	A3-125	A3a-150	A3b-150	A3-175	A3a-200	A3b-200	A3-225	A3-250	A3-275	A3a-300	A3b-300	A3-325	A3a-350	A3b-350	A3-375	A3-375-05.0	A3-400	A3-425	A3-450	
44	1/9/2023	1	0	1	20	0	0	5	95	0	0	3	Tight	31	Tight	3	3	0	1	4	Tight	14	95	6	6	26	18	22	15	8	Tight	0	0	0
45	2/1/2023*	11	2	2	34	1	2	0	126	0	1	1	Tight	28	Tight	2	4	0	1	5	Tight	9	70	2	2	12	11	24	32	12	0	0	0	
46	2/6/2023*	2	2	3	10	1	9	1	46	1	1	2	Tight	10	Tight	2	2	1	2	3	Tight	10	36	3	2	10	6	13	13	5	0	0	0	
47	2/13/2023*	4	3	4	10	5	9	1	42	1	1	2	Tight	9	Tight	2	2	1	2	2	Tight	12	37	4	3	7	5	11	10	4	0	0	0	
48	2/23/2023*	4	1	1	10	1	1	1	64	0	0	0	Tight	10	Tight	3	2	0	1	4	Tight	15	60	1	2	14	9	21	13	4	0	0	0	
49	2/27/2023*	4	1	1	10	2	2	0	72	0	0	0	Tight	9	Tight	3	2	0	1	3	Tight	9	41	0	1	9	5	23	12	4	0	0	0	
50	3/3/2023*	2	0	0	9	1	1	0	81	0	0	0	Tight	9	Tight	2	3	0	1	3	Tight	6	31	0	1	6	4	11	10	5	0	0	0	
51	3/7/2023*	1	0	0	4	0	0	0	55	0	0	0	Tight	6	Tight	1	1	0	0	2	Tight	4	31	1	1	7	4	9	8	3	0	0	0	
52	3/13/2023	1	0	0	3	0	0	0	41	0	0	0	Tight	NA	Tight	1	1	0	0	2	Tight	8	46	2	2	11	21	6	15	5	0	0	0	
53	4/6/2023*	1	0	0	2	0	1	0	47	0	0	0	Tight	4	Tight	2	1	2	2	11	Tight	9	37	1	1	7	3	10	5	2	0	0	0	
54	4/10/2023*	1	0	0	3	0	0	0	53	0	0	0	Tight	3	Tight	2	1	0	1	2	Tight	8	52	1	1	8	4	9	8	3	0	0	0	
55	4/24/2023*	1	0	1	1	1	1	0	22	0	0	0	Tight	1	Tight	1	1	0	1	1	Tight	5	23	1	1	6	3	10	4	1	0	0	0	
56	4/28/2023*	1	0	0	1	1	1	0	26	0	0	0	Tight	1	Tight	1	0	0	1	1	Tight	6	26	1	1	7	3	12	7	4	0	0	0	
57	5/9/2023	1	0	0	1	0	0	0	21	N/A	0	0	Tight	1	Tight	0	0	0	0	1	Tight	4	23	1	1	6	3	11	6	4	0	0	0	
58	5/15/2023*	1	0	0	1	0	1	1	1	0	0	0	Tight	0	Tight	N/A	N/A	0	1	1	Tight	1	4	0	0	4	2	9	4	2	0	0	0	
59	5/22/2023*	1	0	0	1	1	1	0	22	0	0	0	Tight	1	Tight	1	0	0	0	1	Tight	6	30	1	1	5	3	10	3	2	0	0	0	
60	6/15/2023	0	0	0	0	0	0	0	3	0	0	0	Tight	0	Tight	0	0	0	NA	NA	Tight	1	0	0	0	1	1	3	2	1	0	0	0	
61	7/14/2023	2	1	1	1	1	1	1	21	1	0	0	Tight	2	NA	NA	NA	NA	NA	Tight	16	65	2	2	13	10	27	19	14	0	0	0		
62	8/8/2023	3	0	0	0	0	0	0	15	NA	NA	NA	NA	2	7	2	1	0	1	4	Tight	31	113	3	5	21	18	55	20	12	0	0	0	
63	9/14/2023	4	0	0	0	0	0	0	8	1	0	0	Tight	2	Tight	2	1	0	1	4	Tight	28	99	3	2	23	18	47	18	9	0	0	0	
64	10/10/2023	6	0	0	1	1	0	0	2	1	0	0	Tight	2	Tight	2	2	0	2	4	Tight	32	76	3	4	25	14	44	19	7	0	0	0	
65	11/7/2023	7	1	1	1	1	1	1	3	1	1	1	Tight	2	2	2	3	1	3	6	Tight	40	63	3	3	30	16	39	9	3	1	1	1	
66	12/1/2023*	3	0	0	0	0	1	0	0	0	0	1	Tight	1	2	1	1	1	2	2	Tight	23	44	2	2	14	11	25	4	4	0	0	0	
67	12/8/2023*	0	0	0	0	0	1	0	0	0	0	0	Tight	0	1	0	0	0	0	2	Tight	18	47	2	3	19	11	29	4	3	0	0	0	
68	12/15/2023*	2	0	0	0	0	0	0	1	0	1	1	Tight	1	2	1	1	1	2	2	Tight	35	58	2	3	20	15	22	4	3	1	1	1	
69	12/22/2023*	5	1	1	1	1	1	1	2	1	1	1	Tight	2	3	2	1	1	4	2	Tight	31	45	3	4	21	16	29	20	6	2	2	2	
70	12/29/2023*	4	1	1	2	1	1	1	2	1	1	1	Tight	3	4	3	3	3	6	6	Tight	37	69	5	5	22	16	30	7	5	1	1	1	

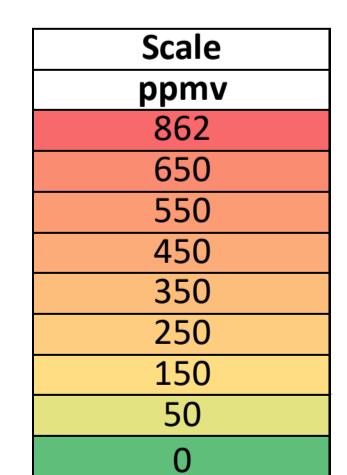


Event No.	Date	A3+500	A3+475	A3+450	A3+425	A3+400	A3a+375	A3b+375
44	1/9/2023	1	0	0	0	0	1	0
45	2/1/2023*	3	0	0	1	1	4	1
46	2/6/2023*	1	1	1	1	1	2	1
47	2/13/2023*	2	1	1	1	2	3	2
48	2/23/2023*	1	0	0	0	0	2	1
49	2/27/2023*	2	1	1	1	1	2	1
50	3/3/2023*	1	0	0	0	0	2	0
51	3/7/2023*	0	0	0	0	0	0	0
52	3/13/2023	0	0	0	0	0	0	0
53	4/6/2023*	0	1	0	0	0	0	0
54	4/10/2023*	0	0	0	0	0	0	0
55	4/24/2023*	0	0	0	0	0	1	0
56	4/28/2023*	0	0	0	0	0	1	0
57	5/9/2023	0	0	0	0	0	0	0
58	5/15/2023*	0	0	0	0	0	0	0
59	5/22/2023*	0	0	0	0	0	0	0
60	6/15/2023	0	0	0	0	0	0	0
61	7/14/2023	1	0	0	1	1	0	1
62	8/8/2023	0	0	0	0	0	0	0
63	9/14/2023	0	0	0	0	0	0	0
64	10/10/2023	1	0	0	0	0	0	0
65	11/7/2023	3	1	1	2	1	0	1
66	12/1/2023*	1	0	1	1	0	1	0
67	12/8/2023*	0	0	0	0	0	0	0
68	12/15/2023*	1	0	0	0	0	0	0
69	12/22/2023*	2	1	1	1	1	1	1
70	12/29/2023*	1	1	1	1	1	1	1

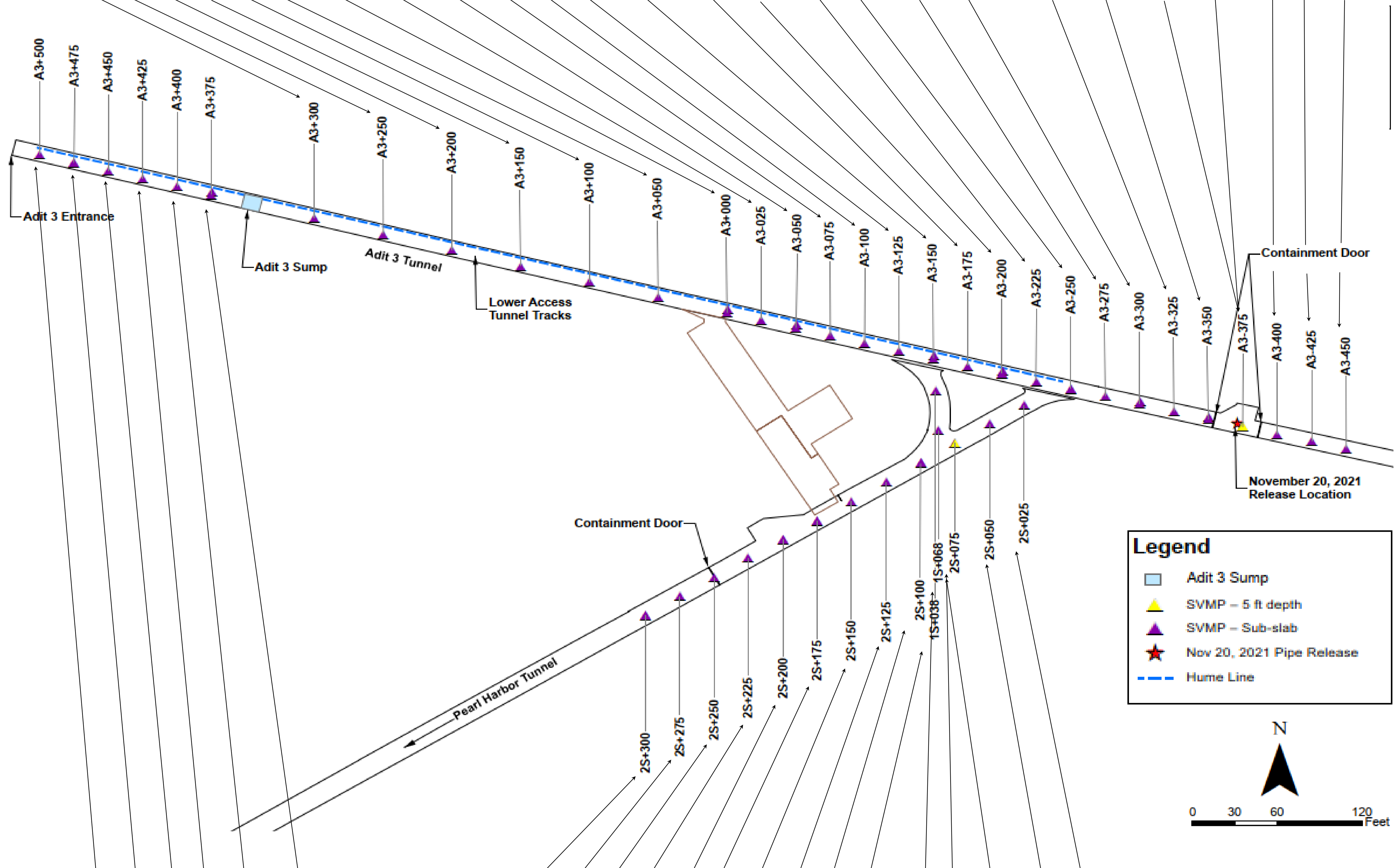
Date	25+300	25+275	25+250	25+225	25+200	25+175	25+150	25+125	25+100	15+088	15+068	25+075	25+075-05.0	25+050	25+025
1/9/2023	0	0	0	0	0	0	0	5	31	0	0	50	10	18	8
2/1/2023*	0	0	0	1	1	1	1	3	27	0	0	37	4	8	5
2/6/2023*	0	1	1	1	1	2	2	5	20	1	1	21	6	7	5
2/13/2023*	0	0	0	1	1	2	2	9	20	1	1	21	5	6	5
2/23/2023*	0	0	0	0	0	1	1	2	30	1	0	4	37	9	4
2/27/2023*	0	0	0	0	0	0	0	1	19	0	1	20	4	7	4
3/3/2023*	0	0	0	0	0	0	0	1	4	0	0	19	3	6	2
3/7/2023*	0	0	0	0	0	0	0	1	11	0	0	14	3	5	3
3/13/2023	0	0	0	0	0	0	0	0	22	0	0	11	6	10	5
4/6/2023*	0	0	0	0	0	0	0	2	25	1	1	25	4	7	4
4/10/2023*	0	0	0	0	0	0	1	1	NA	0	0	27	4	7	4
4/24/2023*	0	0	0	0	0	1	1	2	13	0	0	11	2	3	1
4/28/2023*	0	0	0	0	1	1	1	1	14	0	0	14	2	3	2
5/9/2023	0	0	0	0	1	1	1	1	13	0	0	12	N/A	3	1
5/15/2023*	0	0	0	1	1	1	1	1	9	0	0	1	2	2	1
5/22/2023*	0	0	0	1	1	1	1	2	15	0	0	N/A	2	3	2
6/15/2023	0	0	0	0	0	0	0	0	NA	0	0	3	1	0	0
7/14/2023	1	0	0	1	1	1	0	NA	54	0	0	34	8	4	4
8/8/2023	1	1	2	2	3	2	3	5	89	1	1	33	16	6	7
9/14/2023	0	0	0	1	0	1	0	4	75	1	1	33	13	6	6
10/10/2023	1	1	1	2	2	2	3	79	1	1	1	NA	14	3	5
11/7/2023	1	1	1	1	2	2	2	2	70	2	2	27	6	3	6
12/1/2023*	0	0	1	1	1	1	1	3	43	1	1	21	7	1	1
12/8/2023*	0	0	0	0	0	0	0	1	53	0	0	26	7	2	3
12/15/2023*	2	2	2	2	2	3	3	4	87	2	1	33	11	2	3
12/22/2023*	3	3	3	3	4	4	5	7	62	3	4	30	11	2	3
12/29/2023*	2	2	2	2	3	4	2	4	53	2	2	34	9	4	3

Figure 1c. Soil Vapor Monitoring Point Results January 9, 2023 - December 29, 2023 Adit 3 Tunnel and Pearl Harbor Tunnel

Notes  
 \* denotes out-of-frequency sampling events that were conducted in response to a significant rain event that exceeded 1 inch in 24 hours. An additional follow-up sampling event is conducted 7 days after the initial event.  
 NA = not analyzed



Event No	Date	A3+300	A3+250	A3+200	A3+150	A3+100	A3+050	A3+000	A3+000	A3+025	A3+050	A3+075	A3+100	A3+125	A3+150	A3+175	A3+200	A3+225	A3+250	A3+275	A3+300	A3+300	A3+325	A3+350	A3+375	A3+375-05.0	A3+400	A3+425	A3+450				
1	12/17/2021	67	101	55	43	39	40	24	33	28	24	35	44	29	83	95	69	51	13	27	36	56	51	47	36	47	288	NA	2.3	NA	NA		
2	12/20/2021	235	178	88	96	67	85	65	79	57	54	69	NT	65	32	92	108	42	57	69	7	38	58	43	75	142	275	246	290	NA	15	NA	NA
3	12/21/2021	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4	12/22/2021	55	106	51	62	62	37	45	60	42	56	45	12	92	16	69	85	36	36	45	7	30	50	23	35	49	41	49	96	NA	18	NA	NA
5	12/23/2021	106	350	192	233	205	138	215	203	151	258	101	9.3	302	9	257	321	112	73	157	4	102	121	85	120	163	228	196	407	NA	24	NA	NA
6	12/24/2021	120	281	282	131	462	101	448	471	105	423	208	NT	407	NT	475	490	71	116	374	NT	97	408	197	73	139	409	155	450	NA	17	NA	NA
7	12/27/2021	NT	240	79	160	141	99	180	181	106	160	118	NT	264	NT	265	157	66	49	53	NT	36	52	24	36	38	58	26	443	NA	14	NA	NA
8	12/29/2021	Wet	Wet	76	117	103	45	101	110	65	97	83	NT	203	NT	180	181	53	37	85	Wet	52	68	28	14.2	86	125	81	128	NA	2	NA	NA
9	12/30/2021	Wet	Wet	74	109	85	45	87	87	47	86	73	Wet	142	Wet	155	153	52	46	82	Wet	56	62	41	54	73	66	88	82	NA	2	NA	NA
10	12/31/2021	Wet	Wet	175	341	278	65	342	387	111	227	110	Wet	679	Wet	617	682	114	146	403	Wet	228	308	80	135	377	365	408	444	NA	14	NA	NA
11	1/6/2022	Wet	614	238	426	415	95	497	544	133	118	139	Tight	618	Wet	527	627	358	158	422	Wet	196	370	74	167	399	342	381	410	NA	8	NA	NA
12	1/12/2022	628	550	184	386	350	64	398	410	98	239	108	Tight	416	Tight	466	547	74	105	342	Wet	174	338	51	132	328	318	401	396	NA	1	1	1
13	1/19/2022	654	531	148	313	343	65	316	344	89	177	108	Tight	439	Tight	597	622	89	138	312	Tight	160	277	66	134	338	349	450	408	NA	69	55	52
14	1/26/2022	Wet	667	157	335	320	64	334	386	96	364	99	Tight	624	Tight	538	669	93	81	336	Tight	151	291	53	123	339	352	367	416	NA	3	1	1
15	2/2/2022	Wet	598	159	391	389	41	400	414	75	219	78	Tight	673	Tight	432	701	109	105	362	Tight	152	365	61	105	374	400	392	399	NA	1	1	2
16	2/9/2022	664	498	135	298	341	50	293	325	77	167	103	Tight	474	Tight	457	535	85	71	283	Tight	151	268	42	127	312	251	399	397	NA	1	1	1
17	2/18/2022	369	295	77	187	181	30	186	180	35	181	60	Tight	254	Tight	230	259	21	33	140	Tight	49	69	16	41	80	81	115	91	NA	1	1	1
18	2/23/2022	442	383	104	220	236	41	253	255	53	126	63	Tight	362	Tight	353	396	22	221	213	Tight	68	113	34	68	138	133	157	152	NA	1	1	1
19	3/2/2022	508	424	125	290	298	37	307	330	66	142	72	Tight	437	Tight	401	440	53	48	235	Tight	113	147	34	90	219	188	245	248	NA	2	2	2
20	3/16/2022	295	213	60	103	108	15	112	57	22	55	31	Tight	238	Tight	125	175	56	28	134	Tight	63	145	42	72	115	95	98	79	124	1	1	1
21	3/23/2022	169	150	45	129	77	31	97	123	34	37	24	Tight	158	Tight	81	120	27	30	99	Tight	53	112	22	67	114	76	100	59	106	1	1	1
22	3/30/2022	245	181	42	157	68	17	62	123	13	38	29	Tight	173	Tight	78	119	46	21	101	Tight	53	78	19	54	114	89	125	57	123	0	0	0
23	4/6/2022	192	89	32	83	57	15	88	133	17	61	23	Tight	171	Tight	96	139	14	20	87	Tight	59	96	21	65	121	87	120	51	117	1	1	1
24	4/13/2022	236	163	36	152	66	17	74	110	15	57	22	Tight	162	Tight	110	140	13	19	83	Tight	50	86	18	58	121	91	97	66	100	0	0	0
25	4/20/2022	227	136	34	139	59	14	80	101	16	42	13	Tight	146	Tight	97	135	17	18	83	Tight	41	68	20	47	103	85	98	52	108	1	1	1
26	4/27/2022	234	131	34	133	58	14	78	104	17	41	15	Tight	151	Tight	97	141	18	17	79	Tight	44	76	15	44	92	79	104	56	113	0	0	0
27	5/4/2022	272	147	30	134	53	35	78	118	42	55	37	Tight	157	Tight	92	119	12	14	69	Tight	35	47	17	38	90	59	86	69	107	1	1	1
28	5/9/2022	862	283	53	259	142	64	95	199	71	83	55	Tight	300	Tight	152	196	18	24	130	Tight	56	75	24	62	156	102	137	129	189	2	2	2
29	5/16/2022	254	145	19	143	72	30	37	99	30	37	29	Tight	158	Tight	77	88	3	6	65	Tight	25	35	15	34	77	54	76	66	95	0	0	0
30	5/23/2022	278	137	10	141	71	21	26	111	25	32	29	Tight	155	Tight	72	85	3	4	58	Tight	23	31	10	26	70	53	79	71	92	0	0	0
31	5/31/2022	244	116	11	116	48	17	12	94	18	28	19	Tight	124	Tight	50	66	2	4	47	Tight	17	22	10	21	63	48	70	70	83	0	0	0
32	6/6/2022	303	164	11	158	68	18	16	152	26	47	31	Tight	206	Tight	78	107	6	9	59	Tight	19	24	12	25	77	30	53	34	47	0	0	0
33	6/13/2022	350	156	16	175	87	14	6	129	19	26	14	Tight	160	Tight	78	90	5	8	62	Tight	18	23	7	25	79	58	80	53	81	0	0	1
34	6/20/2022	325	160	15	136	57	16	76	151	21	44	29	Tight	190	Tight	55	73	6	7	58	Tight	14	17	6	19	61	38	43	85	89	1	1	1
35	7/11/2022	435	262	95	289	61	6	164	330	14	47	23	Tight	437	Tight	94	124	0	0	74	Tight	20	23	15	27	134	96	149	176	210	0	0	0
36	8/8/2022	613	253	10	38	65	0	52	NA	14	82	34	Tight	504	Tight	140	124	0	5	90	Tight	24	24	20	41	166	138	56	300	320	0	0	0
37	9/12/2022	342	101	4	236	19	2	88	402	0	25	0	Tight	406	Tight	61	99	0	3	45	Tight	53	9	8	24	78	80	132	137	NA	0	0	0
38	11/7/2022 *	80	13	13	124	6	10	17	307	2	23	6	Tight	202	Tight	35	39	0	2	23	Tight	26	222	2	14	69	53	79	82	NA	0	0	0
39	11/14/2022 *	74	7	6	111	3	8	22	350	8	13	11	Tight	193	Tight	38	31	4	5	24	Tight	19	210	12	15	81	60	91	89	78	1	1	1
40	11/21/2022 *	62	9	7	100	7	20	4.1	325	7	26	10	Tight	176	Tight	25	27	6	7	27	Tight	14	156	4	7	39	44	15	54	26	1	0	1
41	11/28/2022 *	65	9	9	91	8	11	23	249	1	9	5	Tight	155	Tight	25	26	0	2	14	Tight	10	100	5	5	40	24	39	52	22	0	0	0
42	12/19/2022 *	31	6	4	78	6	5	0	334	14	24	18	Tight	136	Tight	24	18	6	3	17	Tight	11	124	3	4	37	27	55	68	22	1	0	1
43	12/27/2022 *	31	10	12	108	6	8	12	192	3	6	6	Tight	73	Tight	16	13	5	4	17	Tight	9	113	3	5	30	22	50	37	19	0	0	0



Event No.	Date	A3+500	A3+475	A3+450	A3+425	A3+400	A3+375	A3+375
1	12/17/2021	33	4	3	20	55	120	92
2	12/20/2021	96	56	54	86	244	350	269
3	12/21/2021	NT	NT	NT	NT	NT	NT	NT
4	12/22/2021	56	41	43	50	64	115	114
5	12/23/2021	193	145	160	178	215	405	408
6	12/24/2021	122	76	82	96	101	201	244
7	12/27/2021	NT	90	113	159	134	239	281
8	12/29/2021	Wet	39	44	48	81	196	193
9	12/30/2021	Wet	43	47	55	63	109	157
10	12/31/2021	Wet	38	45	62	85	785	673
11	1/6/2022	Wet	45	53	70	97	560	474
12	1/12/2022	107	38	45	57	72	486	263

Figure 2: Rain Gauge MOAH1 Chart  
Moanalua 2N, No. 1900B66A  
Provisional Data

