SUMMARY: Samples were collected immediately after the spill upstream as a control (point of reference) location (W-016) and downstream of the boom containment area (W-003). Since the release of the data, two more booms were installed upstream of W-003 and upstream of W-002, since it appears that some of the contaminants may be making their way through the containment zone (as indicated in the W-003). In addition, samples were collected within the boom containment area, and as anticipated with a diesel spill, the values of Total Petroleum Hydrocarbons-Diesel remain above the water quality habitat goals of 640 micrograms per liter in one location. California Department of Fish and Wildlife anticipates that the diesel will naturally attenuate over a timeframe of months; therefore, other clean up alternatives are currently being explored. Considering the movement of the creek, the booms in place to absorb any remaining fuel products, and the natural degradation of fuel, VA third party experts expect the values to continue on a downward trend. Sampling results have been provided to the City as the VA receives them, and results will continue to be released publicly online as they become available.



Matadero Creek Sampling Sites @ VA Hospital Diesel Spill Site



Table 1 (Updated August 10, 2021): Summary of Water Quality Samples within the boom containment area for total petroleum hydrocarbons, total petroleum hydrocarbons-diesel (with silica gel cleanup), and BTEX (benzene, toluene, ethylbenzene and xylenes).

Sample ID	Sample Location	Sample Date	Total Petroluem Hydrocarbons- Diesel	Total Petroluem Hydrocarbons-Diesel (with Silica Gel Cleanup)*	BTEX (benzene, toluene, ethylbenzene and xylenes)
			(all results re	ported in micrograms pe	er liter [μg/L])
VA-Creek Outfall	under pipe outfall (near W-014)	05/07/21	65		ND
VA-A Creek		05/07/21	ND		ND
VA-A-1	upstream of release, past W-016	05/08/21	ND		ND
VA-A-2		05/09/21	ND		ND
VA-B Creek	VA-B Creek		310		Xylenes - 2.0
VA-B-1	downstream of bridge, past W-001	05/08/21	320		ND
VA-B-2		05/09/21	130		ND
		05/10/21	210		ND
		06/01/21	ND		ND
		06/04/21	ND		ND
		06/10/21	51		ND
		06/13/21	ND		ND
		06/16/21	100		ND
W 004	Le colore de Charles	06/19/21	58		ND
W-001	downstream of bridge	06/22/21	ND		ND
		06/25/21	38		
		07/07/21	ND		ND
		07/14/21	ND		ND
		07/21/21	ND		ND
		07/28/21	ND		
		08/04/21	ND		ND
		05/10/21	110		ND
W-002	along bridge downstroam side	06/02/21	ND		ND
VV-UUZ	along bridge, downstream side	06/05/21	45		ND
		06/08/21	52		ND

		06/11/21	ND	 ND
		06/14/21	ND	 ND
		06/17/21	83	 ND
		06/23/21	45	 ND
		06/28/21	47	 
		07/09/21	ND	 ND
		07/16/21	ND	 ND
		07/23/21	ND	 
		07/30/21	ND	 Toluene - 0.53
		05/10/21	140	 ND
		05/18/21	47	 ND
		05/19/21	83	 ND
		05/21/21	1,100	 ND
		05/22/21	55	 ND
		05/23/21	39	 ND
		05/24/21	1,500	 ND
		05/25/21	48	 ND
		05/26/21	ND	 ND
		05/28/21	160	 ND
		05/29/21	43	 ND
W-003	approximately 10 feet downstream of last boom	06/03/21	ND	 ND
		06/06/21	ND	 ND
		06/09/21	120	 ND
		06/12/21	ND	 ND
		06/15/21	49	 ND
		06/18/21	81	 ND
		06/30/21	ND	 
		07/12/21	ND	 ND
		07/19/21	ND	 ND
		07/27/21	ND	 ND
		08/02/21	ND	 
		05/10/21	2,600	 ND
		05/19/21	2,700	 ND
W-004	between 3rd and 4th boom going upstream	05/23/21	920	 ND
		05/26/21	2,400	 ND
		05/29/21	480	 ND

		06/02/21	55		ND
		06/05/21	99		ND
		06/09/21	63		ND
		06/13/21	67		ND
		06/16/21	4,800	6,000	ND
		06/19/21	12,000	10,000	ND
		06/25/21	2,000	1,600	ND
		07/07/21	200		ND
		07/14/21	120		ND
		07/19/21	310		ND
		07/28/21	51		
		08/04/21	49		ND
		05/10/21	2,900		ND
		05/24/21	860		ND
		06/04/21	570		ND
		06/08/21	140		ND
		06/10/21	92		ND
		06/12/21	39		ND
		06/13/21	66		ND
		06/15/21	59		ND
W-005	between 5th and 6th boom going upstream	06/18/21	150		ND
		06/22/21	200		ND
		06/25/21	230		
		06/30/21	68		
		07/12/21	230		ND
		07/16/21	54		ND
		07/27/21	ND		ND
		07/28/21	ND		ND
		08/02/21	700		
		05/10/21	5,200		ND
		05/21/21	3,200		ND
		05/26/21	7,700		ND
W-006	between 6th and 7th boom going upstream	06/03/21	5,700	4,800	ND
		06/09/21	16,000	3,500	ND
		06/11/21	410		ND
		06/14/21	1,500	1,400	ND

		06/16/21	660		ND
		06/17/21	1,000		ND
		06/19/21	340		ND
		06/23/21	3,200		ND
		06/28/21	4,000	3,600	
		07/07/21	2,600	2,600	ND
		07/09/21	1,300	PENDING	ND
		07/14/21	250		ND
		07/19/21	1,400	PENDING	ND
		07/23/21	79		
		07/30/21	490		ND
		08/04/21	370		ND
		05/10/21	190,000		ND
		05/18/21	6,500		ND
		05/28/21	2,700		ND
		06/01/21	1,800		ND
		06/06/21	6,500	7,900	ND
		06/10/21	15,000	13,000	ND
		06/11/21	57		ND
		06/13/21	74		ND
		06/15/21	5,700	5,400	ND
		06/17/21	8,400	8,500	ND
W-007	between 7th and 8th boom going upstream	06/19/21	47*		ND
		06/22/21	8,000	7,600	ND
		06/23/21	11,000		ND
		06/25/21	8,800	7,700	
		06/30/21	6,600	7,500	
		07/07/21	2,800	2,900	ND
		07/09/21	800		ND
		07/14/21	1,500	1,800	ND
		07/21/21	2,200	PENDING	ND
		07/23/21	680	PENDING	
		08/02/21	2,500	PENDING	
		05/10/21	2,400		ND
W-008	in shallow divided part of creek	05/22/21	1,500		ND
		05/25/21	ND		ND

Market			06/04/21	63		ND
06/12/21   55			06/08/21	180		ND
Market			06/09/21	53		ND
W-009			06/12/21	55		ND
W-009			06/14/21	82		ND
M-009			06/16/21	ND		ND
W-009  W-010  W-			06/18/21	470		ND
W-009			06/28/21	74		
W-009  W-010  W-			07/07/21	ND		ND
W-009  W-009  W-009  W-009  W-009  W-009  W-010  W-			07/12/21	160		ND
W-009  W-009  W-009  W-009  W-009  W-009  W-010  W-			07/16/21	120		ND
W-009			07/19/21	140		ND
ND			07/27/21	530		ND
W-009   W-010   M-010   M-01			07/30/21	4,400	PENDING	ND
No			08/04/21	ND		ND
W-009  W-009  downstream of foot bridge  downstream of foot bridge  downstream of foot bridge    105/23/21   150			05/10/21	120		ND
W-009 downstream of foot bridge			05/18/21	ND		ND
W-009  W-009  downstream of foot bridge  06/05/21 180 ND  06/06/21 500 ND  06/10/21 160 ND  06/13/21 41 ND  06/13/21 ND ND  06/22/21 ND ND  06/25/21 95  06/30/21 ND ND  06/30/21 ND ND  07/09/21 ND ND  07/16/21 60 ND  7/28/21 ND ND  7/28/21 ND ND  08/04/21 ND ND  W-010  w-05/10/21 84 ND  05/21/21 45 ND  05/21/21 45 ND			05/23/21	1,100		ND
W-009 downstream of foot bridge			05/28/21	150		ND
W-009 downstream of foot bridge			06/01/21	ND		ND
W-009    downstream of foot bridge			06/05/21	180		ND
W-009 downstream of foot bridge			06/06/21	500		ND
W-010    ND			06/10/21	160		ND
W-010    ND     ND         06/22/21   95         06/30/21   ND     ND     06/30/21   ND     ND     07/09/21   ND     ND     07/16/21   60     ND     7/28/21   ND         08/04/21   ND     ND     05/21/21   84     ND     05/21/21   45     ND     05/24/21   190     ND	W-009	downstream of foot bridge	06/13/21	41		ND
W-010    No			06/17/21	ND		ND
W-010    ND			06/22/21	ND		ND
W-010    ND			06/25/21	95		
W-010 07/16/21 60 ND 7/28/21 ND ND 08/04/21 ND ND 05/10/21 84 ND 05/21/21 45 ND 05/24/21 190 ND			06/30/21	ND		
W-010     7/28/21     ND         08/04/21     ND      ND       05/10/21     84      ND       05/21/21     45      ND       05/24/21     190      ND			07/09/21	ND		ND
W-010			07/16/21	60		ND
W-010 just upstream of foot bridge 05/10/21 84 ND			7/28/21	ND		
W-010 just upstream of foot bridge 05/21/21 45 ND 05/24/21 190 ND			08/04/21	ND		ND
W-010 just upstream of foot bridge 05/24/21 <b>190</b> ND			05/10/21	84		ND
05/24/21 <b>190</b> ND	\A/ O10	just unstroom of fact bridge	05/21/21	45		ND
06/03/21 ND ND	AA-0.10	Just abstream or root priage	05/24/21	190		ND
			06/03/21	ND		ND

		06/11/21	ND		ND
		06/17/21	130		ND
		06/23/21	ND		ND
		06/28/21	ND		
		7/9/21	ND		ND
		07/21/21	ND		ND
		07/23/21	ND		
		07/30/21	ND		ND
		05/10/21	100		ND
		05/19/21	63		ND
		05/22/21	46		ND
		05/23/21	39		ND
		05/25/21	1,500		ND
		05/29/21	670		ND
		06/02/21	96		ND
		06/05/21	ND		ND
W-011	between foot bridge and outfall pipe	06/08/21	89		ND
		06/12/21	71		ND
		06/15/21	890		ND
		06/30/21	84		ND
		7/12/21	82		ND
		07/21/21	68		ND
		07/27/21	ND		ND
		08/02/21	70		
		05/11/21	3,400		ND
		05/18/21	560		ND
		05/26/21	ND		ND
		06/01/21	ND		ND
		06/09/21	270		ND
\\\ 012	hetween foot bridge and outfall nine	06/14/21	410		ND
W-012	between foot bridge and outfall pipe	06/18/21	210		ND
		06/28/21	520		
		07/12/21	95		ND
		07/16/21	880	PENDING	ND
		7/28/21	ND		
		07/30/21	120		ND

		05/11/21	2,400		ND
		05/21/21	970		ND
		05/24/21	150		ND
		06/03/21	71	57	ND
		06/11/21	84		ND
W-013	between foot bridge and outfall pipe	06/15/21	72		ND
		06/19/21	130		ND
		06/23/21	ND		ND
		07/19/21	2,100	PENDING	ND
		7/23/21	ND		
		08/02/21	ND		
		05/11/21	ND		ND
		05/19/21	ND		ND
		05/28/21	ND		ND
		05/29/21	ND		ND
		06/02/21	ND		ND
		06/06/21	ND		ND
		06/10/21	42		ND
		06/12/21	ND		ND
W-014	by outfall pipe	06/16/21	45		ND
		06/22/21	120		ND
		07/07/21	51		ND
		07/09/21	ND		ND
		07/14/21	ND		ND
		07/21/21	85		ND
		07/27/21	ND		ND
		07/28/21	ND		
		08/04/21	ND		ND
		05/11/21	36,000		ND
		05/22/21	150		ND
		05/25/21	38		ND
\\/ O1 F	unctroam of outfall ping	06/04/21	ND		ND
W-015	upstream of outfall pipe	06/08/21	ND		ND
		06/14/21	49		ND
		06/18/21	ND		ND
		06/28/21	190		

		07/14/21	110	 ND
		07/19/21	130	 ND
		07/27/21	40	 ND
		7/30/21	84	 ND
		05/11/21	ND	 ND
		05/18/21	ND	 ND
		05/19/21	ND	 ND
		05/21/21	39	 ND
		05/22/21	ND	 ND
		05/23/21	ND	 ND
		05/24/21	ND	 ND
		05/25/21	ND	 ND
		05/26/21	ND	 ND
		05/28/21	ND	 ND
		05/29/21	ND	 ND
		06/01/21	ND	 ND
		06/02/21	ND	 ND
		06/03/21	ND	 ND
W 016	h at was a true was true and has a man	06/04/21	ND	 ND
W-016	between two upstream booms	06/05/21	93	 ND
		06/06/21	ND	 ND
		06/08/21	ND	 ND
		06/09/21	ND	 ND
		06/10/21	ND	 ND
		06/11/21	ND	 ND
		06/12/21	ND	 ND
		06/13/21	70	 ND
		06/14/21	ND	 ND
		06/15/21	ND	 ND
		06/16/21	ND	 ND
		06/17/21	ND	 ND
		06/18/21	ND	 ND
		06/19/21	ND	 ND
		06/22/21	ND	 ND

		06/23/21	ND		ND
		06/25/21	ND		
		06/30/21	ND		
		07/12/21	ND		ND
		07/16/21	46		ND
		07/23/21	ND		
		ND			
San Franci	sco RWQCB Water Habitat Goals (Freshwater - Table G Screening Leve	640	640	46 - 290	

NL= No Limit; ND = Non Detect; \*sample analytical results are still DRAFT from laboratory pending QA/QC

Table 2 (Updated August 10, 2021): Summary of Water Quality Samples collected for Polycyclic Aromatic Hydrocarbons (PAHs)

							Р	olycyclic A	romatic Hy	drocarbon	s (PAHs)					
Sample ID	Sample Location	Sample Date	Anthracene	Benzo(a)pyrene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Dibenzo(a,h) anthracene	Flouranthene	Fluorene	Indeno (1,2,3-cd) pyrene	1-Methyl- naphthalene	2-Methyl- naphthalene	Naphthalene	Phenanthrene	Pyrene	Other PAHs
			(all results reported in micrograms per liter [μg/L])													
VA-Creek Outfall	under pipe outfall (near W-014)	05/07/21	ND	ND	ND	ND	ND	ND	ND	ND	0.083	0.16	0.13	ND	ND	ND
VA-A Creek		05/07/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VA-A-1	upstream of release, past W-016	05/08/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VA-A-2		05/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VA-B Creek		05/07/21	ND	ND	ND	ND	ND	ND	0.058	ND	0.59	1.1	0.66	ND	ND	ND
VA-B-1	downstream of bridge, past W-001	05/08/21	ND	ND	ND	ND	ND	ND	ND	ND	0.10	0.19	ND	ND	ND	ND
VA-B-2		05/09/21	ND	ND	ND	ND	ND	ND	ND	ND	0.064	ND	ND	ND	ND	ND
		05/10/21	ND	ND	ND	ND	ND	ND	0.018	ND	0.15	0.26	0.12	ND	ND	ND
		06/01/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W 001	downstrage as of building	06/04/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
AA-001		06/10/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/16/21	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

<sup>\*\*</sup>Fish and Wildlife suggested in our earlier meeting that these high values may be coming from the degradation of natural organic matters in the creek and suggested doing the silica gel cleanup. However results from sample with the silica gel cleanup showed that the TPH concentration remains high after treatment, suggesting that there are high concentrations of diesel TPH in the creek water.

		06/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/07/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/21/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		08/04/21	pending													
		05/10/21	ND	ND	ND	ND	ND	ND	ND	ND	0.083	0.14	ND	ND	ND	ND
		06/02/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/05/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/08/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/11/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-002	along bridge, downstream side	06/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/17/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/23/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/16/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		7/30/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/10/21	ND	ND	ND	ND	ND	ND	ND	ND	0.12	0.21	ND	ND	ND	ND
		05/18/21	ND	0.017	ND	0.023	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/21/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/23/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/24/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/25/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-003	approximately 10 feet downstream of last boom	05/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/28/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/29/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/03/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/06/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/09/21	ND	0.016	0.045	ND	0.044	ND	ND	0.046	ND	ND	ND	ND	ND	ND
		06/12/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/15/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

		07/12/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/27/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/10/21	ND	ND	ND	ND	ND	ND	ND	ND	0.15	0.27	ND	ND	ND	ND
		05/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/23/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/29/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/02/21	ND	ND	ND	ND	ND	0.077	ND	0.065	ND	ND	ND	ND	ND	ND
		06/05/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-004	between 3rd and 4th boom going upstream	06/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/16/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/07/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/10/21	ND	ND	ND	ND	ND	ND	ND	ND	0.18	0.30	ND	ND	ND	ND
		05/24/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/04/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/08/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/10/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/12/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-005	between 5th and 6th boom going upstream	06/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VV-003	between 5th and 6th boom going upstream	06/15/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/12/21														
		07/16/21														
		07/21/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/27/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/10/21	ND	ND	ND	ND	ND	ND	ND	ND	0.14	0.25	ND	ND	ND	ND
		05/10/21										<u> </u>				
W-006	between 6th and 7th boom going upstream	05/21/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

		06/03/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.14	ND
		06/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/11/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/16/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/17/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/23/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/07/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/30/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		08/04/21	pending													
		05/10/21	0.15	ND	ND	ND	ND	ND	ND	ND	1.2	2.2	ND	0.84	0.39	ND
		05/18/21	ND	ND	ND	ND	ND	ND	ND	ND	0.28	0.47	ND	ND	0.38	ND
		05/28/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	between 7th and 8th boom going upstream	06/01/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/06/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/10/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/11/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-007		06/15/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/17/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.083	ND
		06/23/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/07/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/21/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/10/21	ND	ND	ND	ND	ND	ND	0.036	ND	0.17	0.32	ND	ND	0.040	ND
W-008	in shallow divided part of creek	05/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/25/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

11	i															
		06/04/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/08/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/12/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/16/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/07/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/12/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/16/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/27/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/30/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		08/04/21	pending													
		05/10/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/23/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/28/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	downstream of foot bridge	06/01/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/05/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-009		06/06/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/10/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/17/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/16/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/10/21	ND	ND	ND	ND	ND	ND	ND	ND	0.040	0.071	ND	ND	ND	ND
		05/21/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/24/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-010	just upstream of foot bridge	06/03/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/11/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/17/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/23/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

		07/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/21/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/30/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/10/21	ND	ND	ND	ND	ND	ND	ND	ND	0.028	ND	ND	ND	ND	ND
		05/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/23/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/25/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/29/21	ND	ND	ND	ND	ND	0.21	ND	ND	ND	ND	ND	ND	ND	ND
		06/02/21	ND	ND	ND	ND	ND	0.19	ND	0.16	ND	ND	ND	ND	ND	ND
W-011	between foot bridge and outfall pipe	06/05/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/08/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/12/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/15/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/12/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/21/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/27/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	between foot bridge and outfall pipe	05/11/21	ND	ND	ND	ND	ND	ND	ND	ND	0.028	0.041	ND	ND	0.045	ND
		05/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/01/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-012		06/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VV-012		06/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/12/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/16/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/30/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/11/21	ND	ND	ND	ND	ND	ND	ND	ND	0.013	0.023	ND	ND	ND	ND
		05/21/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/24/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-013	between foot bridge and outfall pipe	06/03/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/11/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/15/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

		06/23/21	ND	ND	ND	ND	ND	ND	
		07/19/21	ND	ND	ND	ND	ND	ND	
		05/11/21	ND	ND	ND	ND	ND	ND	
		05/19/21	ND	ND	ND	ND	ND	ND	
		05/28/21	ND	ND	ND	ND	ND	ND	
		05/29/21	ND	ND	ND	ND	ND	ND	
W-014		06/02/21	ND	ND	ND	ND	ND	ND	
		06/06/21	ND	ND	ND	ND	ND	ND	
		06/10/21	ND	ND	ND	ND	ND	ND	
	by outfall pipe	06/12/21	ND	ND	ND	ND	ND	ND	
		06/16/21	ND	ND	ND	ND	ND	ND	
		06/22/21	ND	ND	ND	ND	ND	ND	
		07/07/21	ND	ND	ND	ND	ND	ND	
		07/09/21	ND	ND	ND	ND	ND	ND	
		07/14/21	ND	ND	ND	ND	ND	ND	
		07/21/21	ND	ND	ND	ND	ND	ND	
		07/27/21	ND	ND	ND	ND	ND	ND	
	upstream of outfall pipe	05/11/21	ND	0.44	0.83	ND	ND	ND	ND
		05/22/21	ND	ND	ND	ND	ND	ND	
		05/25/21	ND	ND	ND	ND	ND	ND	
		06/04/21	ND	ND	ND	ND	ND	ND	
		06/08/21	ND	ND	ND	ND	ND	ND	
W-015		06/14/21	ND	ND	ND	ND	ND	ND	
		06/18/21	ND	ND	ND	ND	ND	ND	
		07/14/21	ND	ND	ND	ND	ND	ND	
		07/19/21	ND	ND	ND	ND	ND	ND	
		07/27/21	ND	ND	ND	ND	ND	ND	
		07/30/21	ND	ND	ND	ND	ND	ND	
		05/11/21	ND	ND	ND	ND	ND	ND	
		05/18/21	ND	ND	ND	ND	ND	ND	
W-016	between two upstream booms	05/19/21	ND	ND	ND	ND	ND	ND	
		05/21/21	ND	ND	ND	ND	ND	ND	
		05/22/21	ND	ND	ND	ND	ND	ND	
		05/23/21	ND	ND	ND	ND	ND	ND	

		05/24/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/25/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/26/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		05/28/21	ND	ND	ND	ND	ND	ND	ND	ND	0.099	0.33	0.26	ND	ND	ND
		05/29/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/01/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/02/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/03/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/04/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/05/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/06/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/08/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/10/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/11/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/12/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/13/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/14/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/15/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/16/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/17/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		06/23/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/12/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		07/16/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
San Francisco RWQCB Water Habitat Goals (Freshwater - Table GW-2 Aquatic Habitat Screening Levels), 2019, Revision 2		0.73	0.014	0.10	NL	0.025	8.0	3.9	0.049	NL	2.1	0.24	6.3	2.0	Various	

NL= No Limit; ND = Non Detect; \*sample analytical results are still DRAFT from laboratory pending QA/QC