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. With 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 24, 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 reported in micrograms per 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		05/07/21	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					
		06/19/21	58		ND					
W 001	day, matura na af huidan	06/22/21	ND		ND					
W-001	downstream of bridge	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					
		08/11/21	ND							
		08/18/21	ND		ND					
W-002	along bridge downstream side	05/10/21	110		ND					
VV-UUZ	along bridge, downstream side	06/02/21	ND		ND					

		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
		08/06/21	50		
		08/13/21	ND		
		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
555	approximately 10 feet downstream or last seem	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		
		08/09/21	ND		

W-004 between 3rd and 4th boom going upstream W-005 W-05/26/21 W-05/26/26/21 W-05/26/26/21 W-05/26/26/2			08/16/21	ND		
W-004 Detween 3rd and 4th boom going upstream W-004 Detween 3rd and 4th boom going upstream W-005 Detween 3rd and 4th boom going upstream Detween 5th and 6th boom going upstream Detween 5th and 4th boom going upstream Detween 5th and			05/10/21	2,600		ND
W-004 Detween 3rd and 4th boom going upstream W-004 Detween 3rd and 4th boom going upstream Detween 3rd and 5th boom going upstream Detween 3rd			05/19/21	2,700		ND
W-004 W-004 between 3rd and 4th boom going upstream between 3rd and 4th boo			05/23/21	920		ND
W-004 Detween 3rd and 4th boom going upstream Defs/21 G3			05/26/21	2,400		ND
W-004 W-004 between 3rd and 4th boom going upstream between 3rd and 4th boom going upstream W-005 between 3rd and 4th boom going upstream between 3rd and 4th boom going upstream between 3rd and 4th boom going upstream W-005 between 3rd and 4th boom going upstream between 3rd and 4th boom going upstream between 3rd and 4th boom going upstream W-005 between 3rd and 4th boom going upstream be			05/29/21	480		ND
W-004 between 3rd and 4th boom going upstream W-004 between 3rd and 4th boom going upstream W-005 between 3rd and 4th boom going upstream 06/09/21			06/02/21	55		ND
W-004 between 3rd and 4th boom going upstream 06/13/21 67			06/05/21	99		ND
W-004 W-005 W-006 W-006 W-006/19/21 W-007/07/21 W-007/07/07/21 W-007/07/27/21 W-007/07/27/21 W-007/07/27/21 W-007/07/07/27/21 W-007/07/27/21 W-007/07/27/21 W-007/07/07/27/21 W-007/07/07/27/21 W-007/07/07/07/27/21 W-007/07/07/07/07/07/07/07 W-007/07/07/07/07/07 W-007/07/07/07/07 W-007/07/07/07 W-007/07/07/07 W-007/07/07/07 W-007/07/07/07 W-007/07/07/07 W-007/07/07/07 W-007/07/07/07 W-007/07/07/07 W-007/07/07 W-007/07 W-007 W-007/07 W-007 W-007			06/09/21	63		ND
W-005 W-			06/13/21	67		ND
W-005 W-	W-004	between 3rd and 4th boom going upstream	06/16/21	4,800	6,000	ND
W-005 W-			06/19/21	12,000	10,000	ND
W-005 W-			06/25/21	2,000	1,600	ND
W-005 W-			07/07/21	200		ND
W-005 W-			07/14/21	120		ND
W-005 W-			07/19/21	310		ND
W-005 W-			07/28/21	51		
W-005 W-			08/04/21	49		ND
W-005 W-			08/11/21	ND		
W-005 W-005 between 5th and 6th boom going upstream 05/24/21			08/18/21	76		ND
W-005 W-005 between 5th and 6th boom going upstream between 5th and 6th boom going upstream W-005 Details 1 140 W-005 Details 21 1 39 W-005 Details 39 W-005 Details 39 W-006/13/21 Det			05/10/21	2,900		ND
W-005 between 5th and 6th boom going upstream between 5th and 6th boom going			05/24/21	860		ND
W-005 between 5th and 6th boom going upstream 06/13/21			06/04/21	570		ND
W-005 between 5th and 6th boom going upstream between 5th and 6th boom going upstream 06/12/21 39 ND 06/13/21 66 ND 06/15/21 59 ND 06/18/21 150 ND 06/22/21 200 ND 06/25/21 230 ND 06/30/21 68 ND 07/12/21 230 ND 07/12/21 54 ND 07/12/21 54 ND			06/08/21	140		ND
W-005 between 5th and 6th boom going upstream 06/13/21			06/10/21	92		ND
W-005 between 5th and 6th boom going upstream 06/15/21 59 ND 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 07/27/21 ND ND			06/12/21	39		ND
W-005 between 5th and 6th boom going upstream			06/13/21	66		ND
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	W 00E	hotwoon Eth and 6th hoom going unctroom	06/15/21	59		ND
06/25/21 230 06/30/21 68 07/12/21 230 ND 07/16/21 54 ND 07/27/21 ND ND	vv-UU5	between 5th and 6th boom going upstream	06/18/21	150		ND
06/30/21 68 07/12/21 230 ND 07/16/21 54 ND 07/27/21 ND ND			06/22/21	200		ND
07/12/21 230 ND 07/16/21 54 ND 07/27/21 ND ND			06/25/21	230		
07/16/21 54 ND 07/27/21 ND ND			06/30/21	68		
07/27/21 ND ND			07/12/21	230		ND
			07/16/21	54		ND
07/28/21 ND ND			07/27/21	ND		ND
			07/28/21	ND		ND

		08/02/21	700		
		08/09/21	950	PENDING	
		08/11/21	ND		
		08/16/21	ND		
		05/10/21	5,200		ND
		05/21/21	3,200		ND
		05/26/21	7,700		ND
		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
W-006	between 6th and 7th boom going upstream	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
		08/06/21	270		
		08/13/21	310		
		08/18/21	310		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
W 007	hatwoon 7th and 9th haam gains wastroom	06/06/21	6,500	7,900	ND
W-007	between 7th and 8th boom going upstream	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

		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		ND
		07/23/21	680		
		08/02/21	2,500	2,600	
		08/06/21	790		
		08/11/21	3,300	3,100	
		08/16/21	ND		
		08/18/21	3,700	PENDING	ND
		05/10/21	2,400		ND
		05/22/21	1,500		ND
		05/25/21	ND		ND
		06/04/21	63		ND
		06/08/21	180		ND
		06/09/21	53		ND
		06/12/21	55		ND
		06/14/21	82		ND
		06/16/21	ND		ND
		06/18/21	470		ND
W-008	in shallow divided part of creek	06/28/21	74		
		07/07/21	ND		ND
		07/12/21	160		ND
		07/16/21	120		ND
		07/19/21	140		ND
		07/27/21	530		ND
		07/30/21	4,400	PENDING	ND
		08/04/21	ND		ND
		08/09/21	320		
		08/13/21	290		
		08/18/21	ND		ND

		05/40/24	120		ND
		05/10/21	120		ND
		05/18/21	ND		ND
		05/23/21	1,100		ND
		05/28/21	150		ND
		06/01/21	ND		ND
		06/05/21	180		ND
		06/06/21	500		ND
		06/10/21	160		ND
		06/13/21	41		ND
W 000	day, washing up of foot building	06/17/21	ND		ND
W-009	downstream of foot bridge	06/22/21	ND		ND
		06/25/21	95		
		06/30/21	ND		
		07/09/21	ND		ND
		07/16/21	60		ND
		7/28/21	ND		
		08/04/21	ND		ND
		08/06/21	310		
		08/11/21	91		
		08/16/21	65		
		05/10/21	84		ND
		05/21/21	45		ND
		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
W-010	just upstream of foot bridge	06/28/21	ND		
			ND		ND
		7/9/21			
		07/21/21	ND		ND
		07/23/21	ND		
		07/30/21	ND		ND
		08/06/21	ND		
		08/13/21	ND		
W-011	between foot bridge and outfall pipe	05/10/21	100		ND
-	W-011 between foot bridge and outfall pipe		63		ND

		05/22/24	46		l 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
		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		
		08/09/21	ND		
		08/16/21	ND		
		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
		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
		08/13/21	46		
		05/11/21	2,400		ND
		05/21/21	970		ND
		05/24/21	150		ND
W-013	between foot bridge and outfall pipe	06/03/21	71	57	ND
010	and a definition of the	06/11/21	84		ND
		06/15/21	72		ND
		06/19/21	130		ND
		00/19/21	130		IND

		06/23/21	ND		ND
		07/19/21	2,100	PENDING	ND
		7/23/21	ND		
		08/02/21	ND		
		08/09/21	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
		06/16/21	45		ND
\A/ O1 4	by outfall pipe	06/22/21	120		ND
W-014	by outfall pipe	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
		08/06/21	ND		
		08/09/21	41		
		08/18/21	ND		ND
		05/11/21	36,000		ND
		05/22/21	150		ND
		05/25/21	38		ND
		06/04/21	ND		ND
		06/08/21	ND		ND
W-015	upstream of outfall pipe	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
		08/13/21	50	
		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
		06/04/21	ND	 ND
W 016		06/05/21	93	 ND
W-016	between two upstream booms	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		
		08/02/21	ND		
		08/11/21	ND		
		08/16/21	ND		
San	Francisco 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 24, 2021): Summary of Water Quality Samples collected for Polycyclic Aromatic Hydrocarbons (PAHs)

							P	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	downstroom of bridge	06/04/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-001	downstream of bridge	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

^{**}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	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	0.083	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
		07/12/21	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND	ND	ND
		07/13/21	ND	ND ND	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	ND	ND	ND	0.15	0.27	ND	ND	ND	ND
W-004		05/19/21	ND	ND ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND ND	ND	ND	ND
			ND		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	ND		
		05/26/21	ND	ND			ND	ND		ND	ND				ND	ND
		05/29/21	ND	ND	ND	ND	ND	ND 0.077	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
	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
		08/04/21	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
		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	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
		07/21/21	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
W-006	between 6th and 7th boom going upstream	05/10/21	ND	ND	ND	ND	ND	ND	ND	ND	0.14	0.25	ND	ND	ND	ND
	astricen strang / th soom some apstream	05/21/21	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
		06/03/21	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		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
		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	between 7th and 8th boom going upstream	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
W-008	in shallow divided part of creek	05/10/21	ND	ND	ND	ND	ND	ND	0.036	ND	0.17	0.32	ND	ND	0.040	ND
		05/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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		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								
		06/09/21	ND	ND	ND	ND	ND	ND								
		06/12/21	ND	ND	ND	ND	ND	ND								
		06/14/21	ND	ND	ND	ND	ND	ND								
		06/16/21	ND	ND	ND	ND	ND	ND								
		06/18/21	ND	ND	ND	ND	ND	ND								
		07/07/21	ND	ND	ND	ND	ND	ND								
		07/12/21	ND	ND	ND	ND	ND	ND								
		07/16/21	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								
		08/04/21	ND	ND	ND	ND	ND	ND								
		05/10/21	ND	ND	ND	ND	ND	ND								
		05/18/21	ND	ND	ND	ND	ND	ND								
		05/23/21	ND	ND	ND	ND	ND	ND								
	downstream of foot bridge	05/28/21	ND	ND	ND	ND	ND	ND								
		06/01/21	ND	ND	ND	ND	ND	ND								
		06/05/21	ND	ND	ND	ND	ND	ND								
W-009		06/06/21	ND	ND	ND	ND	ND	ND								
VV-009		06/10/21	ND	ND	ND	ND	ND	ND								
		06/13/21	ND	ND	ND	ND	ND	ND								
		06/17/21	ND	ND	ND	ND	ND	ND								
		06/22/21	ND	ND	ND	ND	ND	ND								
		07/09/21	ND	ND	ND	ND	ND	ND								
		07/16/21	ND	ND	ND	ND	ND	ND								
		08/04/21	ND	ND	ND	ND	ND	ND								
		05/10/21	ND	0.040	0.071	ND	ND	ND	ND							
		05/21/21	ND	ND	ND	ND	ND	ND								
W-010	just upstream of foot bridge	05/24/21	ND	ND	ND	ND	ND	ND								
		06/03/21	ND	ND	ND	ND	ND	ND								
		06/11/21	ND	ND	ND	ND	ND	ND								
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		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
W-011		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
	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
		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
		06/09/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-012	between foot bridge and outfall pipe	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
W-013	between foot bridge and outfall pipe	05/24/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-013		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
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		06/15/21	ND	ND	ND	ND	ND	ND								
		06/19/21	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								
		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								
		06/12/21	ND	ND	ND	ND	ND	ND								
W-014	by outfall pipe	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								
		08/04/21	ND	ND	ND	ND	ND	ND								
		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	upstream of outfall pipe	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								
W-016	between two upstream booms	05/18/21	ND	ND	ND	ND	ND	ND								
		05/19/21	ND	ND	ND	ND	ND	ND								
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		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
		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
		, 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
.= No Limit; ND =	Non Detect; *sample analytical results are still DRAFT f	rom laboratory pend	ding QA/Q	C												