

Matadero Creek Sampling Sites @ VA Hospital Diesel Spill Site



Table 1 (Updated November 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	pstream of release, past W-016	05/07/21	ND		ND
VA-A-1		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
		06/22/21	ND		ND
		06/25/21	38		
W 004		07/07/21	ND		ND
W-001	downstream of bridge	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
		08/25/21	ND		
		09/01/21	ND		ND
		09/08/21	ND		
		09/15/21	ND		ND
W-002	along bridge, downstream side	05/10/21	110		ND

		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	
		08/20/21	ND	
		08/27/21	ND	
		09/03/21	ND	
		09/10/21	ND	
		09/17/21	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
W-003	approximately 10 feet downstream of last boom	05/26/21	ND	 ND
		05/28/21	160	 ND
		05/29/21	43	 ND
		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		
		08/09/21	ND		
		08/16/21	ND		
		08/23/21	62		
		08/30/21	ND		
		09/07/21	61		
		09/13/21	ND		
		05/10/21	2,600		ND
		05/19/21	2,700		ND
		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
W-004	between 3rd and 4th boom going upstream	07/07/21	200		ND
		07/14/21	120		ND
		07/19/21	310		ND
		07/28/21	51		
		08/04/21	49		ND
		08/11/21	ND		
		08/18/21	76		ND
		08/25/21	ND		
		08/30/21	ND		
		09/08/21	73		
		09/15/21	ND		ND
		09/20/21	750		
		10/01/21	85		

		40/00/04			
		10/08/21	94		
		10/13/21	110		
		10/19/21	840		
		10/23/21	180		
		10/30/21	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
		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-005	between 5th and 6th boom going upstream	07/28/21	ND		ND
		08/02/21	700		
		08/09/21	950	PENDING	
		08/11/21	ND		
		08/16/21	ND		
		08/23/21	ND		
		08/27/21	39		
		09/01/21	ND		ND
		09/07/21	45		
		09/08/21	ND		
		09/13/21	ND		
		09/17/21	ND		
		09/24/21	42		
		10/15/21	ND		ND
		11/03/21	43		
	between 6th and 7th boom going upstream	05/10/21			

		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
		06/28/21	4,000	3,600	
		07/07/21	2,600	2,600	ND
		07/09/21	1,300		ND
		07/14/21	250		ND
		07/19/21	1,400		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
		08/20/21	400		
		08/25/21	150		
		08/30/21	180		
		09/03/21	350		
		09/10/21	90		
		09/15/21	440		ND
		09/28/21	120		
		10/08/21	520		
		10/27/21	360		
		11/06/21	50		
		05/10/21	190,000		ND
		05/18/21	6,500		ND
W-007	between 7th and 8th boom going upstream	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
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	3,100	ND
08/20/21	820		
08/23/21	1,100		
08/25/21	390		
09/01/21	980		ND
09/13/21	450		ND
09/17/21	380		
09/20/21	620		
09/24/21	260		
09/28/21	420		
10/01/21	330		
10/13/21	70		
10/15/21	210		ND
10/19/21	280		
10/23/21	110		
10/27/21	52		
10/30/21	ND		

					1
		11/03/21	ND		
		11/06/21	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
		06/28/21	74		
		07/07/21	ND		ND
		07/12/21	160		ND
		07/16/21	120		ND
		07/19/21	140		ND
	in shallow divided part of creek	07/27/21	530		ND
W-008		07/30/21	4,400	5,100	ND
		08/04/21	ND		ND
		08/09/21	320		
		08/13/21	290		
		08/18/21	ND		ND
		08/27/21	190		
		08/30/21	ND		
		09/03/21	ND		
		09/07/21	170		
		09/10/21	ND		
					ND
		09/15/21	ND		
		09/15/21 09/20/21	ND ND		
		09/20/21	ND		
		09/20/21 10/13/21	ND 50		
		09/20/21 10/13/21 10/19/21	ND 50 1,700		
W-009	downstream of foot bridge	09/20/21 10/13/21 10/19/21 10/23/21	ND 50 1,700 210		

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		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
		06/17/21	ND		ND
		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		
		08/20/21	ND		
		08/27/21	ND		
		09/08/21	260		
		09/15/21	73		ND
		09/24/21	57		
		10/01/21	65		
		10/15/21	ND		ND
		10/23/21	110		
		11/03/21	ND		
		05/10/21	84		ND
		05/21/21	45		ND
		05/24/21	190		ND
		06/03/21	ND		ND
W-010	just upstream of foot bridge	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
		08/06/21	ND	
		08/13/21	ND	
		08/20/21	ND	
		09/01/21	ND	 ND
		09/03/21	ND	
		09/10/21	93	
		9/17/21	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
		06/08/21	89	 ND
		06/12/21	71	 ND
		06/15/21	890	 ND
	between foot bridge and outfall pipe	06/30/21	84	 ND
VV 044		7/12/21	82	 ND
W-011		07/21/21	68	 ND
		07/27/21	ND	 ND
		08/02/21	70	
		08/09/21	ND	
		08/16/21	ND	
		08/23/21	220	
		09/01/21	ND	 ND
		09/07/21	ND	
		09/13/21	43	
		09/28/21	ND	
		10/08/21	ND	
		10/27/21	38	
		11/06/21	ND	

W 012 W 012 Detween foot bridge and outfall pipe W 013 Detween foot bridge and outfall pipe W 014 W 015 Detween foot bridge and outfall pipe Detween foot bridge and outfall pip			05/11/21	3,400		ND
W-012 W-013 W-013 W-013 W-013 W-013 W-013 W-013 W-013 W-013 W-014 W-015 W-015 W-016 W-06/09/21 W-06			05/18/21	560		ND
W-012 W-012 W-013 W-014 W-015 W-015 W-015 W-016 06/14/21 410			05/26/21	ND		ND
W-012 Detween foot bridge and outfall pipe Detween foot bridge and o			06/01/21	ND		ND
W-012 Between foot bridge and outfall pipe W-013 W-013 between foot bridge and outfall pipe w-013 Between foot bridge and outfall pipe between foot bridge and outfall pipe w-013 Between foot bridge and outfall pipe w-014 06/13/21 08/20/			06/09/21	270		ND
W-012 W-012 between foot bridge and outfall pipe W-013 W-013 W-013 Between foot bridge and outfall pipe between foot bridge and outfall pip			06/14/21	410		ND
W-012 W-012 Between foot bridge and outfall pipe 07/12/21 95			06/18/21	210		ND
W-012 between foot bridge and outfall pipe 7/28/21			06/28/21	520		
W-012 between foot bridge and outfall pipe 7/28/21 ND 07/30/21 120 ND 08/13/21 46 09/33/21 ND 09/33/21 ND 09/33/21 ND 09/33/21 ND 09/33/21 ND 09/30/21 ND 09/30/21 ND 09/31/21 ND 09/31/21 ND 09/17/21 ND 09/17/21 ND 09/20/21 66 10/13/21 48 10/19/21 290 10/30/21 48 05/11/21 2,400 ND 05/21/21 970 ND 05/21/21 150 ND 06/32/1 150 ND 06/32/1 1150 ND 06/31/21 84 ND 06/31/21 150 ND 06/31/21 150 ND 06/31/21 130 ND 06/11/21 84 ND 06/11/21 84 ND 06/11/21 84 ND 06/11/21 84 ND 06/11/21 130 ND 06/13/21 ND ND 7/23/21 ND 7/23/21 ND PENDING ND 7/23/21 ND 08/02/21 ND 08/02/21 ND 08/02/21 ND 08/02/21 ND 08/02/21 ND 08/02/21 ND 08/02/21 ND			07/12/21	95		ND
W-012 Detween foot bridge and outfall pipe 07/30/21 120			07/16/21	880	PENDING	ND
W-013 W-014 W-015 W-016 W-017 W-016 W-017 W-017 W-018 W-018 W-018 W-018 W-018 W-018 W-018 W-019 W-018 W-019 W-018 W-019 W-			7/28/21	ND		
W-013 W-013 W-013 W-013 W-013 W-013 W-014 W-015 W-015 W-016 W-017 W-018 W-019 W-	W-012	between foot bridge and outfall pipe	07/30/21	120		ND
W-013 W-			08/13/21	46		
W-013 Determinant Determi			08/27/21	89		
W-013 W-			09/03/21	ND		
W-013 W-			09/08/21	ND		
W-013 W-			09/10/21	86		
W-013 W-			09/17/21	ND		
W-013			09/20/21	66		
W-013			10/13/21	48		
W-013 W-013 W-014 W-015 W-015 W-015 W-016 W-016 W-017 W-017 W-018 W-			10/19/21	290		
W-013 W-013 between foot bridge and outfall pipe 05/24/21 150 ND 06/03/21 71 57 ND 06/11/21 84 ND 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 08/09/21 ND 08/09/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND			10/30/21	48		
W-013 W-013 between foot bridge and outfall pipe between foot bridge and outfall pipe 05/24/21 150 06/03/21 71 57 ND 06/11/21 84 ND 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 08/09/21 ND 08/09/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND			05/11/21	2,400		ND
W-013 W-013 between foot bridge and outfall pipe between foot bridge and outfall pipe 06/03/21 06/11/21 84 ND 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 08/09/21 ND 08/09/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND			05/21/21	970		ND
W-013 between foot bridge and outfall pipe between foot bridge and outfall pipe 06/11/21 06/15/21 72 ND 06/19/21 130 ND 06/23/21 ND ND 06/23/21 ND 7/23/21 ND 7/23/21 ND 08/02/21 ND 08/09/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND 08/20/21 ND			05/24/21	150		ND
W-013 between foot bridge and outfall pipe Delta			06/03/21	71	57	ND
W-013 between foot bridge and outfall pipe 06/19/21 130 ND			06/11/21	84		ND
W-013 between foot bridge and outfall pipe 06/23/21 ND ND			06/15/21	72		ND
06/23/21 ND ND 07/19/21 2,100 PENDING ND 7/23/21 ND 08/02/21 ND 08/09/21 ND 08/20/21 ND	\A/ 012	between foot bridge and outfall nine	06/19/21	130		ND
7/23/21 ND	VV-U13	between root bridge and outrail pipe	06/23/21	ND		ND
08/02/21 ND 08/09/21 ND 08/20/21 ND			07/19/21	2,100	PENDING	ND
08/09/21 ND 08/20/21 ND			7/23/21	ND		
08/20/21 ND			08/02/21	ND		
			08/09/21	ND		
08/23/21 ND			08/20/21	ND		
			08/23/21	ND		

		08/30/21	99	
		09/24/21	ND ND	
		10/01/21	ND	
		10/01/21	ND	 ND
		11/03/21	44	
		05/11/21	ND	 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
		06/22/21	120	 ND
		07/07/21	51	 ND
	by outfall pipe	07/09/21	ND	 ND
W-014		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
		09/01/21	80	 ND
		09/07/21	ND	
		09/08/21	ND	
		09/13/21	130	
		09/17/21	ND	
		05/11/21	36,000	 ND
		05/22/21	150	 ND
		05/25/21	38	 ND
W-015	upstream of outfall pipe	06/04/21	ND	 ND
		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
		08/13/21	50	
		08/25/21	56	
		08/30/21	50	
		09/03/21	45	
		09/07/21	75	
		09/10/21	ND	
		09/15/21	ND	 ND
		09/28/21	83	
		10/08/21	ND	
		10/27/21	ND	
		11/06/21	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
W-016	between two upstream booms	05/28/21	ND	 ND
		05/29/21	ND	 ND
		06/01/21	ND	 ND
		06/02/21	ND ND	 ND ND
		06/03/21	ND	 ND
		06/04/21	ND	 ND
		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		
	08/02/21	ND		
	08/11/21	ND		
	08/16/21	ND		
	08/23/21	ND		
	08/25/21	ND		
	08/27/21	ND		
	09/13/21	ND		
San Francisco RV	VQCB Water Habitat Goals (Freshwater - Table GW-2 Aquatic Habitat Screening Levels), 2019, Revision 2	640	640	46 - 290

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

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

Sample		Sample Date	Polycyclic Aromatic Hydrocarbons (PAHs)	
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^{**}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.

			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 re	sults repor	ted in micr	ograms pe	r liter [μg/l	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
		06/04/21	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
		06/16/21	ND	3.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W 001	day, making and affiliation	06/19/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-001	downstream of bridge	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
		08/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		09/01/21	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
W-002	along bridge, downstream side	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
		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

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		06/23/21	ND													
		07/09/21	ND													
		07/16/21	ND													
		7/30/21	ND													
		05/10/21	ND	0.12	0.21	ND	ND	ND	ND							
		05/18/21	ND	0.017	ND	0.023	ND									
		05/19/21	ND													
		05/21/21	ND													
		05/22/21	ND													
		05/23/21	ND													
		05/24/21	ND													
		05/25/21	ND													
		05/26/21	ND													
		05/28/21	ND													
W-003	approximately 10 feet downstream of last boom	05/29/21	ND													
		06/03/21	ND													
		06/06/21	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													
		06/15/21	ND													
		06/18/21	ND													
		07/12/21	ND													
		07/19/21	ND													
		07/27/21	ND													
		05/10/21	ND	0.15	0.27	ND	ND	ND	ND							
		05/19/21	ND													
		05/23/21	ND													
		05/26/21	ND													
		05/29/21	ND													
W-004	between 3rd and 4th boom going upstream	06/02/21	ND	ND	ND	ND	ND	0.077	ND	0.065	ND	ND	ND	ND	ND	ND
		06/05/21	ND													
				ND												
		06/09/21	I ND	IND				–						1	1	–
		06/09/21	ND ND				ND									
		06/09/21 06/13/21 06/16/21	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	ND	ND	ND	ND
		07/07/21	ND	ND	ND ND	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	ND	ND	ND	ND	ND
		08/04/21	ND	ND	ND ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND	ND	ND	ND ND	ND
		08/18/21	ND	ND	ND ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND	ND	ND	ND	ND
		09/15/21	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	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	ND
		06/04/21	ND	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	ND	ND	ND	ND	ND
			ND	ND	ND	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	ND	ND	ND	ND ND	ND
		06/12/21	ND	ND	ND	ND	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	ND
W-005	between 5th and 6th boom going upstream	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
		09/01/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		10/15/21	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
		05/21/21	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
W-006	between 6th and 7th boom going upstream	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
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		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
		08/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		09/15/21	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
		06/15/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W 007	haturaan 7th and 0th haans mains unaturaan	06/17/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-007	between 7th and 8th boom going upstream	06/19/21	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
		08/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		09/01/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		10/15/21	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
		05/22/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-008	in shallow divided part of creek	05/25/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
VV-UU8	in Shallow divided part of cleek	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

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		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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		08/18/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		09/15/21	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	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
		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
		06/06/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W 000	day, active and of fact building	06/10/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
W-009	downstream of foot bridge	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
		08/04/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		09/15/21	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
		10/15/21	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
W-010	just upstream of foot bridge	05/24/21	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
		06/11/21	ND	ND	ND	ND	ND	ND	ND	ND	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
		09/01/21	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
		09/01/21	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
W-013	between foot bridge and outfall pipe	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
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		06/03/21	ND	ND	ND	ND	ND	ND								
		06/11/21	ND	ND	ND	ND	ND	ND								
		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								
		10/15/21	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	hu outfall nine	06/16/21	ND	ND	ND	ND	ND	ND								
W-014	by outfall pipe	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								
		08/18/21	ND	ND	ND	ND	ND	ND								
		09/01/21	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								
W-015	upstream of outfall pipe	06/08/21	ND	ND	ND	ND	ND	ND								
		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								

		07/27/24	ND													
		07/27/21	ND ND	ND	ND ND											
		09/15/21	ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND ND	ND ND	ND	ND	ND ND
		05/11/21	ND													
		05/18/21	ND													
		05/19/21	ND													
		05/21/21	ND													
		05/22/21	ND													
		05/23/21	ND													
		05/24/21	ND													
		05/25/21	ND													
		05/26/21	ND													
		05/28/21	ND	0.099	0.33	0.26	ND	ND	ND							
		05/29/21	ND													
		06/01/21	ND													
		06/02/21	ND													
		06/03/21	ND													
W 046		06/04/21	ND													
W-016	between two upstream booms	06/05/21	ND													
		06/06/21	ND													
		06/08/21	ND													
		06/09/21	ND ND													
		06/10/21	ND	ND ND	ND ND	ND ND	ND ND	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	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	ND	ND	ND
		06/13/21	ND	ND ND	ND	ND ND	ND ND	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	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	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	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	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	ND	ND ND	ND ND	ND	ND	ND ND
			ND			ND ND			ND			ND ND			ND	ND ND
		06/22/21		ND	ND											
		06/23/21	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		11 / 4	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