

APPENDIX H

POLYBROMINATED DIPHENYL ETHERS

PBDE Concentrations in Stormwater at West Valley View (WVV), North Ridge Terrace (NRT), and Colver Road (CR) Sampling Locations from March 2021 through May 2023. Concentrations above the RL are shown in bolded black. Concentrations below the RL but above the MDL are shown in orange.

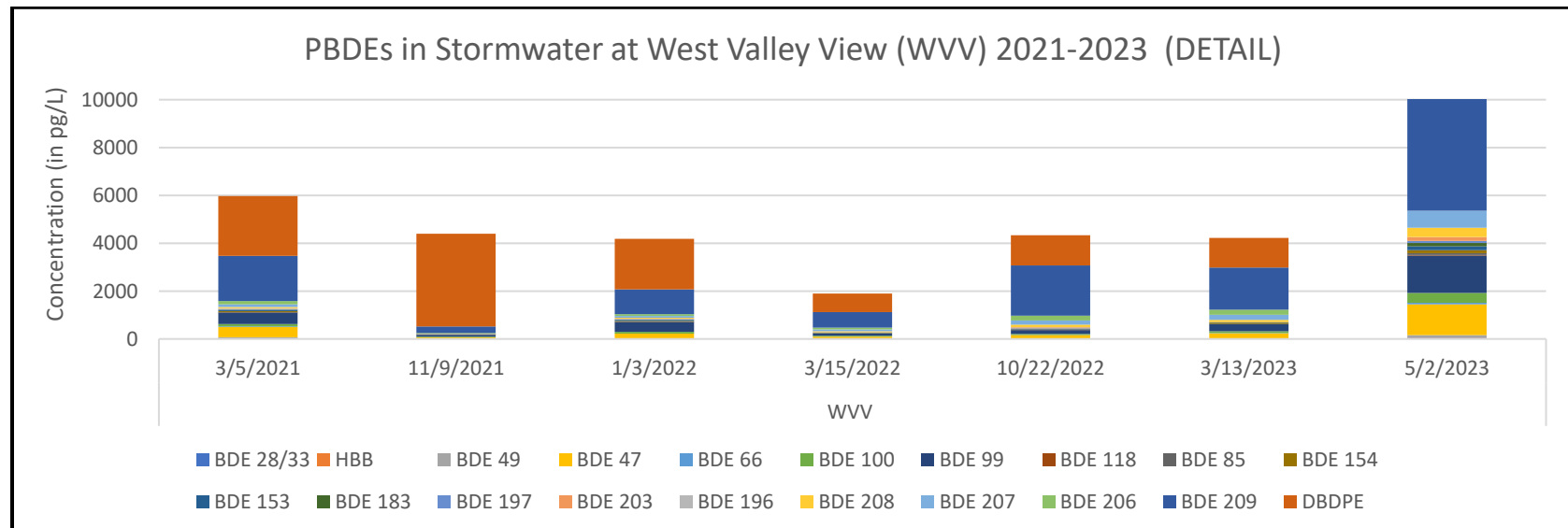
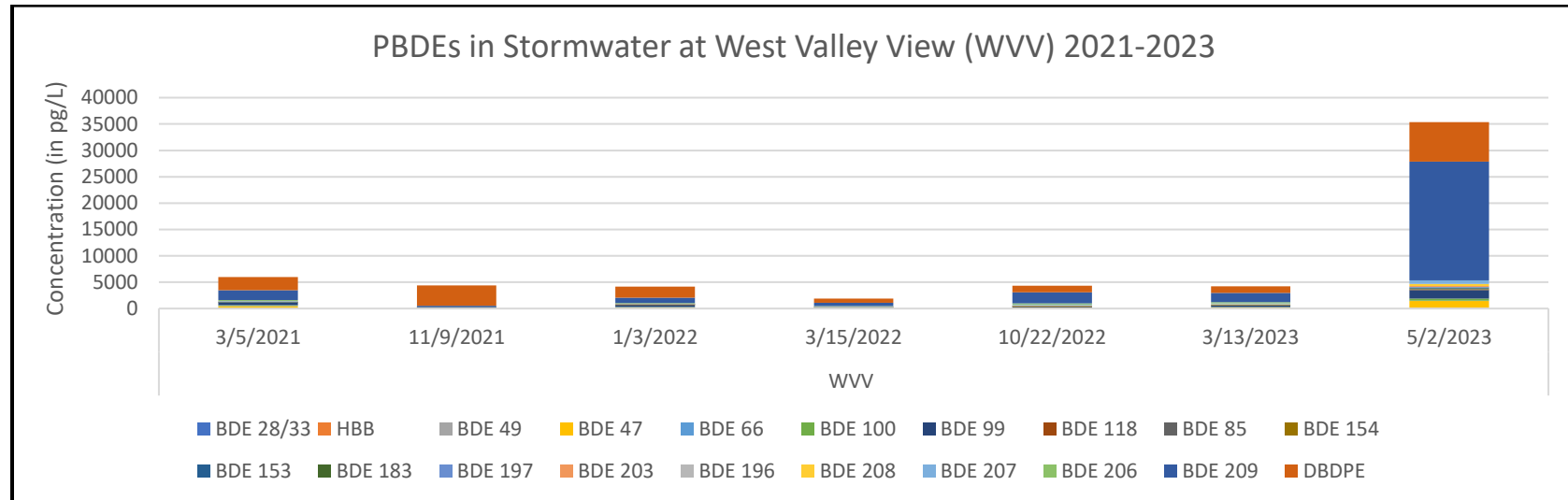
Location	WVV							Median
Dates	3/5/2021	11/9/2021	1/3/2022	3/15/2022	10/22/2022	3/13/2023	5/2/2023	2021-2023
Units	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
BDE 28/33	19.2	2.12	5.2	4.3	5.73	ND	42.5	5.2
HBB	9.67	2.37	3.43	ND	11.8	5.68	20.3	5.68
BDE 49	39	3.4	15.9	ND	9.41	ND	93.3	9.41
BDE 47	430	65.3	194	100	145	232	1290	194
BDE 66	25.7	2.3	8.03	ND	7.4	11.3	62.3	8.03
BDE 100	94.7	17.1	77.4	28.1	36.2	76.5	410	76.5
BDE 99	482	85	395	110	162	294	1570	294
BDE 118	3.9	ND	1.7	ND	1.21	ND	17.6	1.21
BDE 85	17.6	2.9	17.3	ND	5.81	5.62	73.6	5.81
BDE 154	37.1	7.65	35.3	11.3	15.4	28.5	134	28.5
BDE 153	38.3	ND	41.6	ND	18.8	ND	157	18.8
BDE 183	31.4	4.64	17.6	8.8	19	28.8	143	19
BDE 197	19.9	2.99	13.6	7.65	16.6	ND	80.9	13.6
BDE 203	17.5	3.4	12.7	12.4	25.8	24	166	17.5
BDE 196	16.8	3.08	10	6.57	14.8	ND	ND	6.57
BDE 208	48.5	8.6	36.9	30.5	99.1	91.3	388	48.5
BDE 207	118	18.1	71	73.4	183	211	711	118
BDE 206	141	24.5	79.3	74.9	202	213	ND	79.3
BDE 209	1880	273	1040	651	2100	1760	22500	1760
DBDPE	2500	3870	2110	777	1260	1240	7490	2110

Location	NRT							Median
Dates	3/5/2021	11/9/2021	1/3/2022	3/15/2022	10/22/2022	3/13/2023	5/2/2023	2021-2023
Units	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
BDE 28/33	64.1	15.7	15.4	5	82.1	18.2	19.6	18.2
HBB	7.97	4.36	2.97	ND	30	7.37	ND	4.36
BDE 49	101	43.5	44.4	9.23	127	24.9	36.2	43.5
BDE 47	933	514	440	142	1650	424	688	514
BDE 66	74.5	33.9	32.2	4.9	136	18.8	29	32.2
BDE 100	235	126	113	30.6	375	107	223	126
BDE 99	1200	644	465	145	1460	398	886	644
BDE 118	38	7.17	5.15	ND	21.4	ND	9.02	7.17
BDE 85	42.7	25.2	17.6	7.9	35.9	13.1	46.7	25.2
BDE 154	134	39.9	33.1	8.8	114	30	67.9	39.9
BDE 153	173	49.9	38.5	ND	135	31.7	87.1	49.9
BDE 183	314	11	42.8	6.8	135	ND	30.6	30.6
BDE 197	104	8.95	18.8	4.63	71.2	ND	20.2	18.8
BDE 203	44.9	9.32	16.3	4.26	91.1	ND	30.5	16.3
BDE 196	61.2	6.81	10.2	3.7	43.3	ND	ND	6.81
BDE 208	94.2	29	30.8	16	218	32	ND	30.8
BDE 207	303	55.8	63.1	28	362	65.4	ND	63.1
BDE 206	298	83.1	75.8	37	408	96.6	185	96.6
BDE 209	2750	1590	890	372	4380	1090	3540	1590
DBDPE	6200	2130	1540	330	16100	533	ND	1540

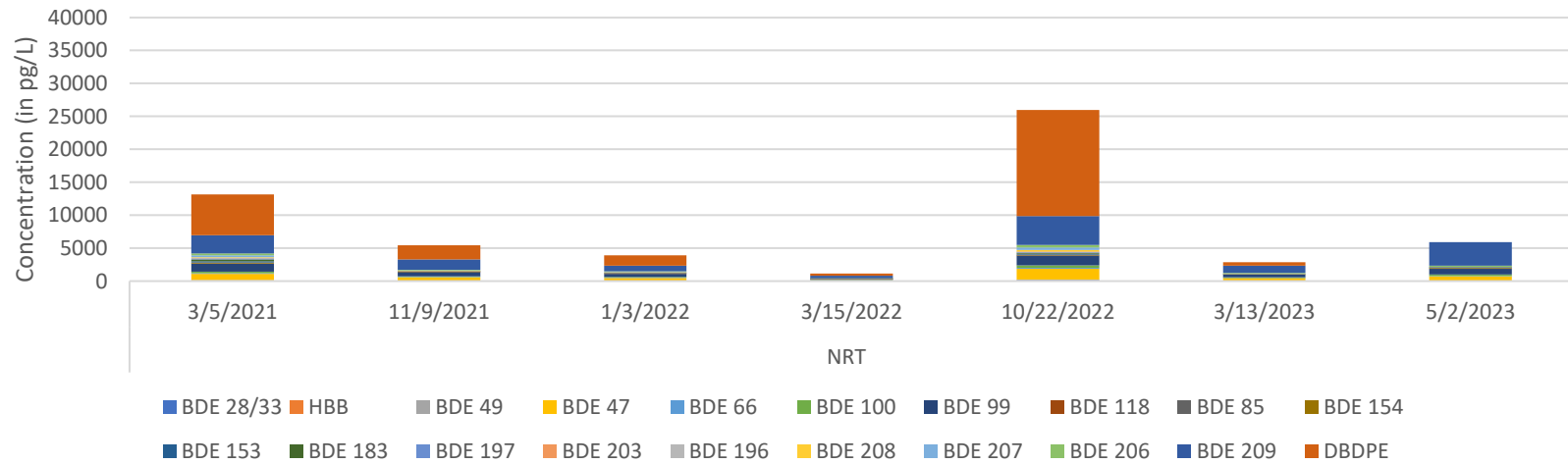
Location	CR							Median
Dates	3/5/2021	11/9/2021	1/3/2022	3/15/2022	10/22/2022	3/13/2023	5/2/2023	2021-2023
Units	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
BDE 28/33	NA	1.58	2.65	ND	7.07	3.76	8.91	3.2
HBB	NA	2.43	2	ND	3.13	ND	ND	1.0
BDE 49	NA	1.8	5.8	7	7.06	9.6	11.4	7.0
BDE 47	NA	51.2	122	96.5	160	158	192	140.0
BDE 66	NA	1.3	4.83	ND	7.08	6.74	ND	3.1
BDE 100	NA	8.81	32	22.7	36.4	61.5	54.2	34.2
BDE 99	NA	44.2	144	104	147	207	196	145.5
BDE 118	NA	ND	ND	ND	0.73	ND	ND	0.0
BDE 85	NA	1.6	5.54	ND	3.24	7.96	8.81	4.4
BDE 154	NA	3.92	10.8	12.8	12.6	20.1	19.3	12.7
BDE 153	NA	4.58	9.8	15	12.3	19.1	ND	11.1
BDE 183	NA	1.8	4.1	6.5	11.4	11.1	18.7	8.8
BDE 197	NA	1.59	4.87	4.16	7.6	8.82	14.5	6.2
BDE 203	NA	1.64	3.59	3.57	7.3	ND	17.7	3.6
BDE 196	NA	ND	2.75	2.31	5.06	ND	ND	1.2
BDE 208	NA	3.81	12.8	9.33	28.7	23.1	ND	11.1
BDE 207	NA	7.2	26.6	26.1	60	65.8	112	43.3
BDE 206	NA	7.77	24.9	26	60.8	80	89	43.4
BDE 209	NA	119	319	228	1090	644	1760	481.5
DBDPE	NA	130	267	200	391	324	ND	233.5

NA=No data was collected at this location on this date

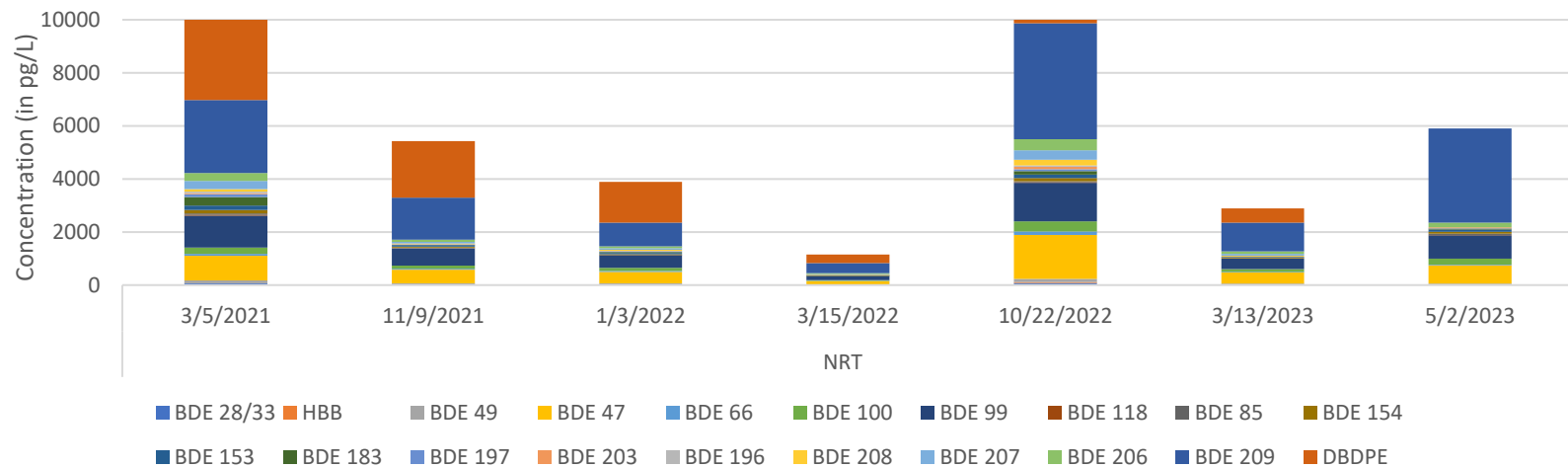
PBDE Concentrations in Stormwater at West Valley View (WVV), North Ridge Terrace (NRT), and Colver Road (CR) Sampling Locations from March 2021 through May 2023.



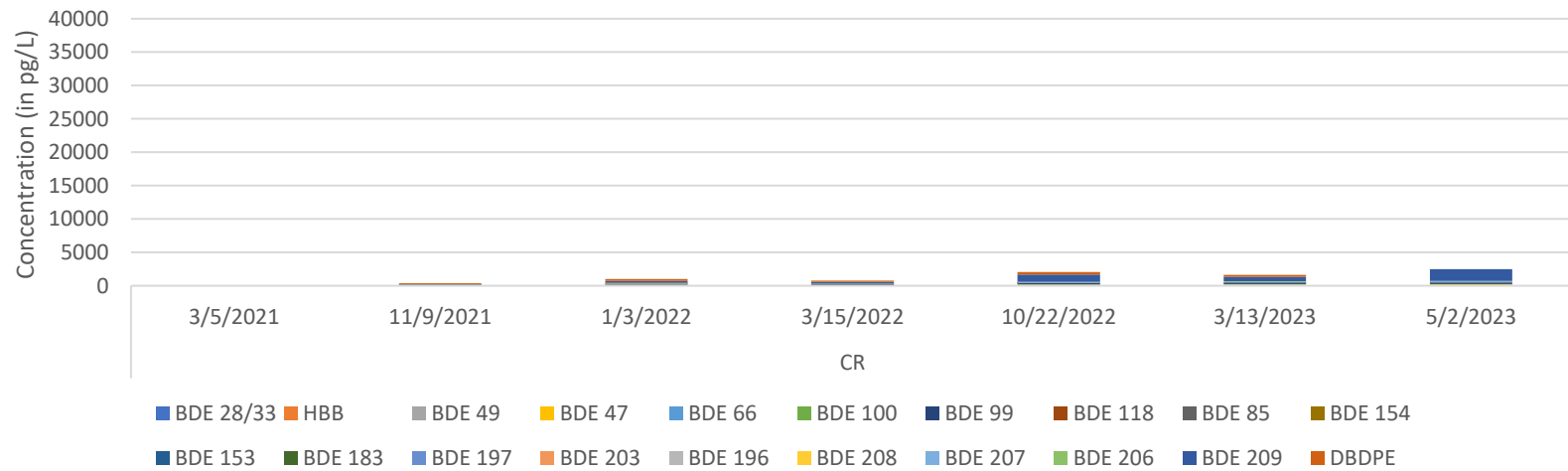
PBDEs in Stormwater at North Ridge Terrace (NRT) 2021-2023



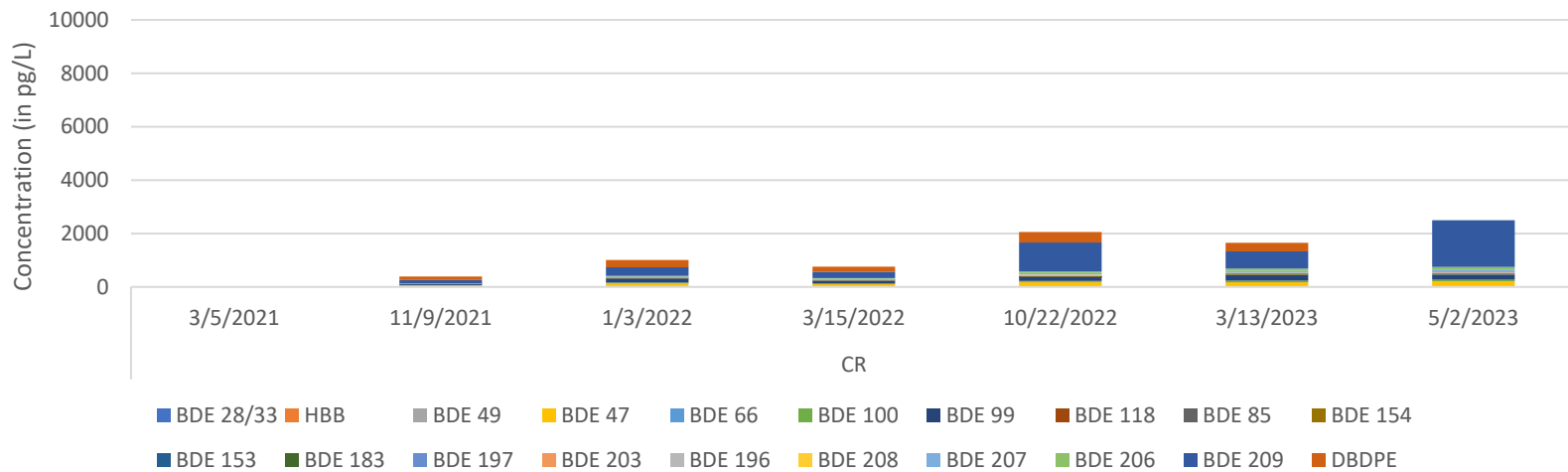
PBDEs in Stormwater at North Ridge Terrace (NRT) 2021-2023 (DETAIL)



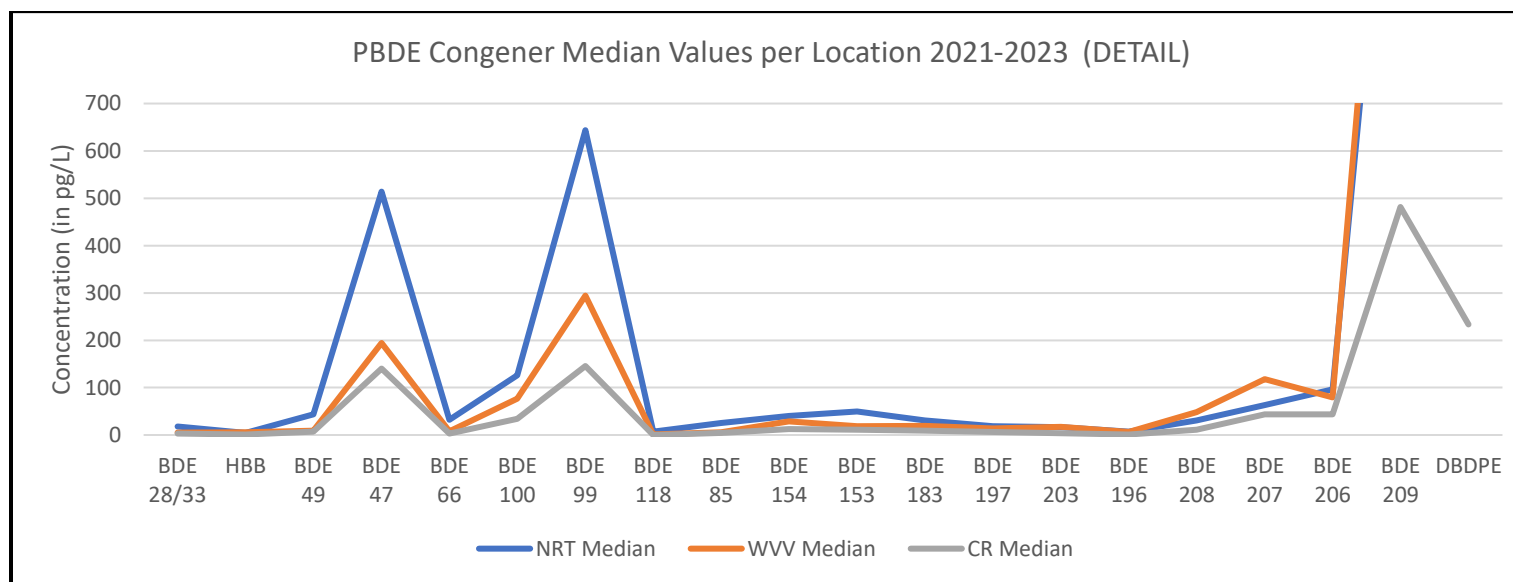
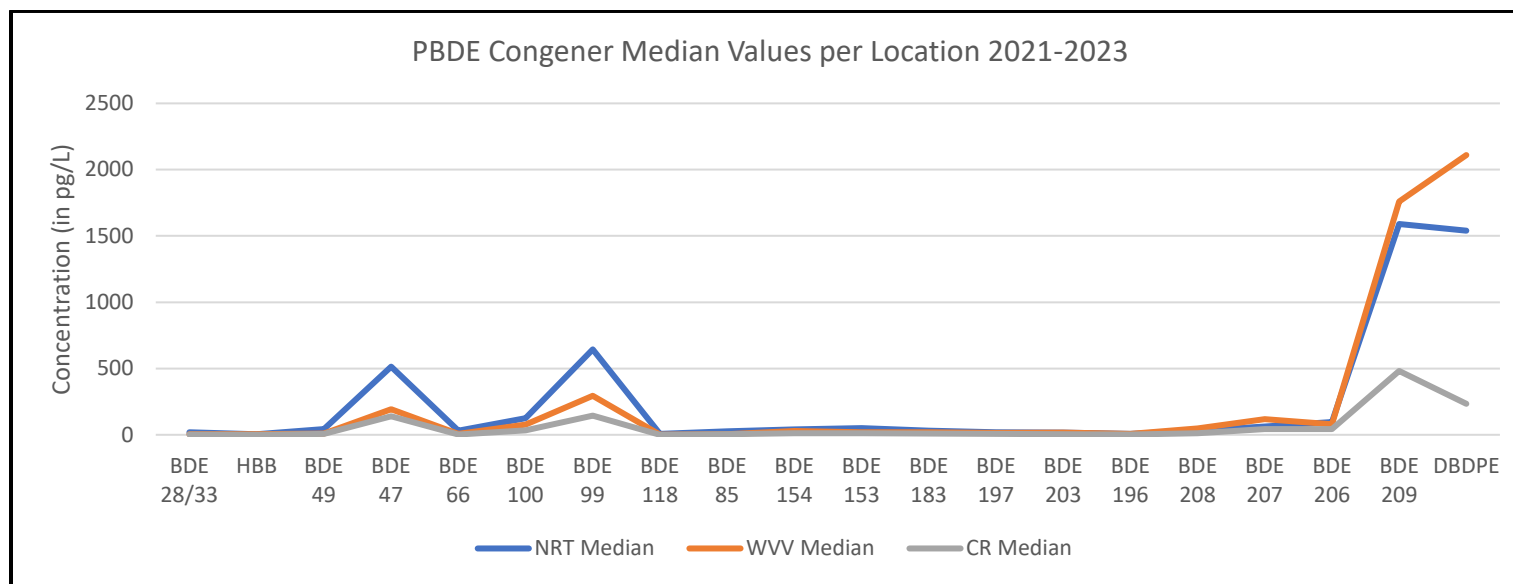
PBDEs in Stormwater at Colver Road (CV) 2021-2023



PBDEs in Stormwater at Colver Road (CV) 2021-2023 (DETAIL)



Median Values for each PBDE congener per Sample Location 2021-2023



PBDE Concentrations in Bear Creek at US Cellular (BCUC) and Oak Street (BCOS) Sampling Locations from November 2020 through October 2022. Concentrations above the RL are shown in bolded black. Concentrations below the RL but above the MDL are shown in orange.

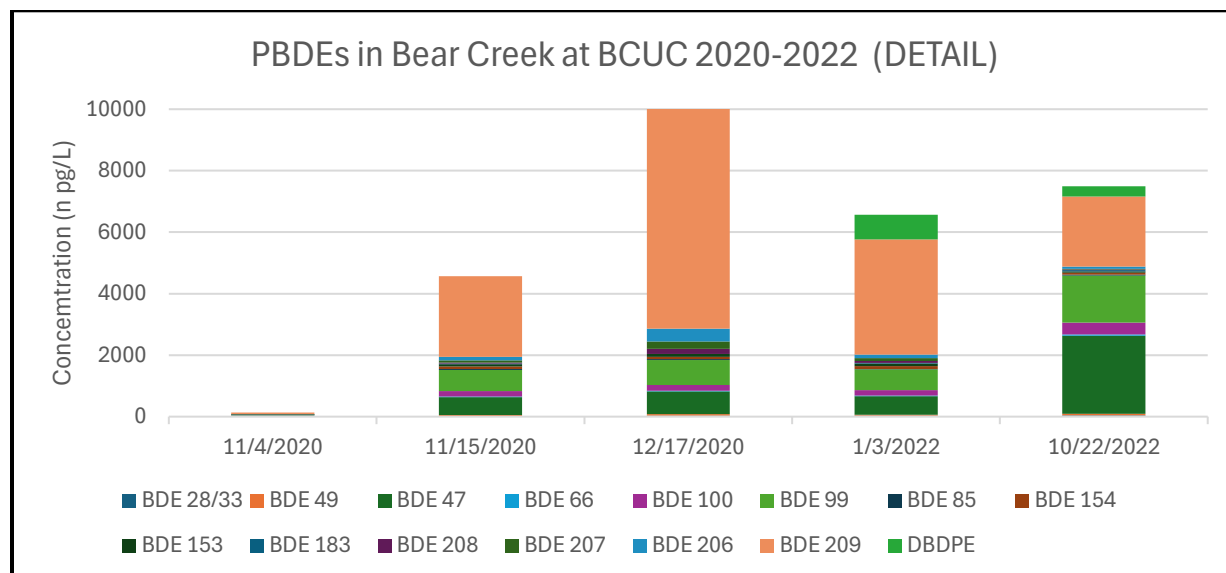
Location	Bear Creek at UC (BCUC)					Median	Median
Dates	11/4/2020	11/15/2020	12/17/2020	1/3/2022	10/22/2022	2020-2022	2022
Units	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
BDE 28/33	1.51	20.6	27	27.1	38.2	27	32.65
BDE 49	1.31	32.6	50.4	32.3	52.1	41.35	42.2
BDE 47	26	582	743	608	2540	608	1574
BDE 66	1.18	22.9	26.2	21.6	40	22.9	30.8
BDE 100	6.41	169	182	177	384	179.5	280.5
BDE 99	26.4	690	810	672	1530	690	1101
BDE 85	1.04	27.8	32.3	15.6	32.2	27.8	23.9
BDE 154	3.62	85	79.4	86.4	64.2	79.4	75.3
BDE 153	3.82	77.8	85.3	86	48.6	66.95	67.3
BDE 183	ND	16.6	ND	25.7	32.3	25.7	29
BDE 208	ND	33.4	166	56.3	20.4	44.85	38.35
BDE 207	2.77	69.3	243	92.6	30	69.3	61.3
BDE 206	3.96	118	416	119	68.6	118	93.8
BDE 209	55.8	2620	10100	3750	2280	2620	3015
DBDPE	NA	NA	5620	797	335	797	566

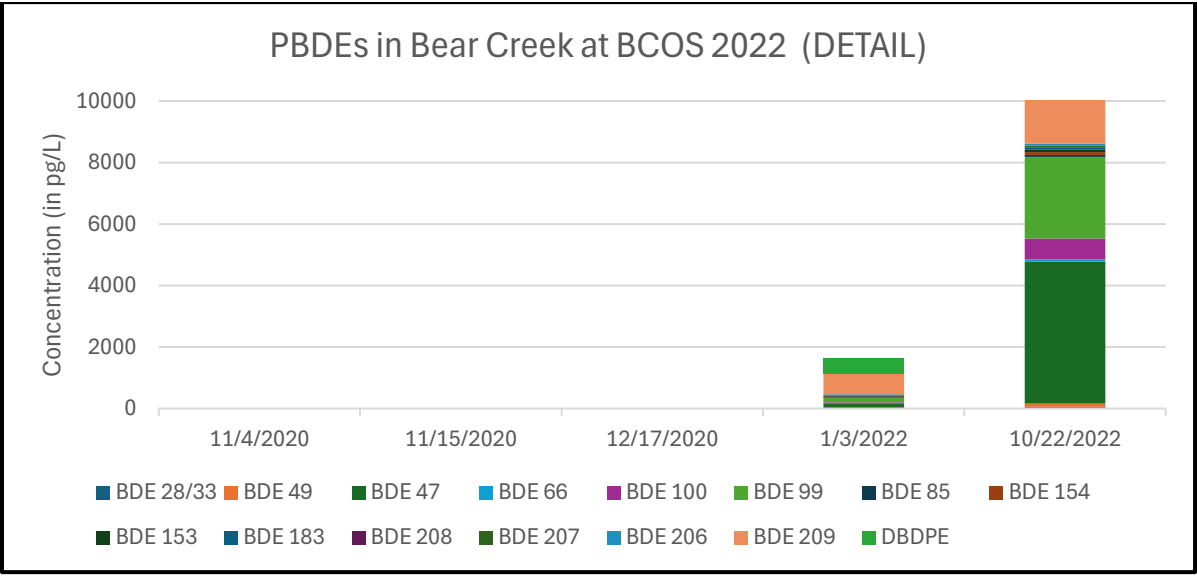
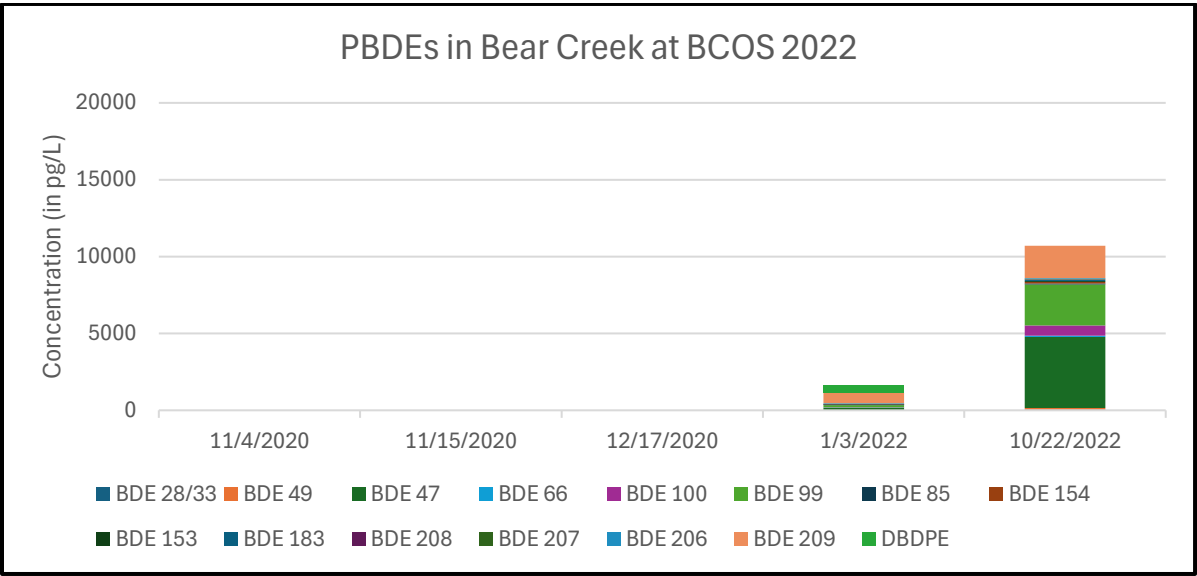
NA=No data was collected for this parameter on these dates

Location	Bear Creek at Oak St. (BCOS)					Median
Dates	11/4/2020	11/15/2020	12/17/2020	1/3/2022	10/22/2022	2022 only
Units	pg/l	pg/l	pg/l	pg/l	pg/l	pg/l
BDE 28/33	NA	NA	NA	4.36	57.3	30.83
BDE 49	NA	NA	NA	8.8	103	55.9
BDE 47	NA	NA	NA	146	4620	2383
BDE 66	NA	NA	NA	4.14	70.8	37.47
BDE 100	NA	NA	NA	33.7	678	355.85
BDE 99	NA	NA	NA	148	2650	1399
BDE 85	NA	NA	NA	5.56	67.7	36.63
BDE 154	NA	NA	NA	12.7	97.2	54.95
BDE 153	NA	NA	NA	12.7	68.4	40.55
BDE 183	NA	NA	NA	4.2	80.6	42.4
BDE 208	NA	NA	NA	15.4	16.7	16.05
BDE 207	NA	NA	NA	31.1	42.9	37
BDE 206	NA	NA	NA	33.5	57.8	45.65
BDE 209	NA	NA	NA	674	2090	1382
DBDPE	NA	NA	NA	493	ND	493

NA=No data was collected at this location on these dates

PBDE Concentrations in Bear Creek at US Cellular (BCUC) from November 2020 through October 2022 and at Oak Street (BCOS) in January and October 2022. Note that no samples were collected at BCOS in 2020.





Median Values for each PBDE congener per Sample Location 2021-2023

