Red Butte Creek Quarterly Sampling Results

August 2011, November 2011, February 2012, May 2012

Table 1. August 2011 Quarterly Sampling Synoptic Screening Level Results for bed and bank samples (mg/kg).

			City Creek				Mill Creek				Red Butte Creek												
			28	29	30	31	48	46	45	47	3	9	10	11	13	14	15	16	17	20	22	23	(blank)
Chemical	No Action Level (mg/kg)	Expedited Action Level (mg/kg)	City Creek Below North Canyon Road Loop	CITY CK NEAR ENTRANCE GATE TO CANYON	City Creek @ bottom natural channel	City Creek at N. Cyn. Footbridge	Mill Creek Below 700 E	MILL CK BL 2300 E XING	Mill Creek Above Country Gage	Mill Creek Below Highland Drive	Red Butte Creek Above Amphitheater	Red Butte Creek Below Chipeta	Red Butte Creek at Univ. Marriott	Red Butte Creek at Foothill	Red Butte Creek Mt Olivet Diversion	Red Butte Creek Above Sunnyside	Red Butte Creek at 1731 E. 900 S. Hayes Property	Red Butte Cr. @ Gaging Station	Red Butte Creek at Miller Park 1500 E.	Red Butte Creek Below 1300 E.	Red Butte Creek at 1100 E.	Red Butte Creek Below 900 E.	Red Butte Creek at Underflow Dam
1-Methylnaphthalene	22	2200	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2-Methylnaphthlene	310	31000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acenaphthene	3400	340000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acenaphthylene	1720	172000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acetone	61000	6100000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anthracene	17000	1700000	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00	0.00	0.03	0.00	0.00	0.00	0.07	0.00	0.06	0.00	0.00	0.00	0.00
Benzene	1.1	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzo(a)anthracene	0.15	15	0.04	0.00	0.07	0.04	0.09	0.03	0.10	0.13	0.00	0.00	0.04	0.00	0.00	0.07	0.37	0.03	0.27	0.04	0.05	0.00	0.00
Benzo(a)pyrene	0.015	1.5	0.03	0.00	0.06	0.00	0.04	0.00	0.06	0.13	0.00	0.00	0.00	0.00	0.00	0.04	0.26	0.00	0.19	0.04	0.04	0.00	0.00
Benzo(b)fluoranthene	0.15	15	0.04	0.00	0.09	0.03	0.08	0.07	0.07	0.14	0.00	0.00	0.03	0.00	0.00	0.06	0.35	0.03	0.29	0.05	0.00	0.00	0.00
Benzo(g,h,i)perylene	1720	172000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
Benzo(k)fluoranthene	1.5	150	0.00	0.00	0.00	0.00	0.02	0.00	0.03	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.11	0.00	0.00	0.00	0.00
Benzoic acid	240000	24000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
bis(2-Ethylhexyl)adipate	410	41000	0.00	0.00	0.00	0.00	1.37	0.00	0.00	0.00	1.11	0.00	1.19	0.87	0.00	0.00	0.00	0.00	0.00	1.04	0.00	0.76	1.38
bis(2-Ethylhexyl)phthalate	0.35	35	0.00	0.00	0.00	0.00	1.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.00
Chloroform	0.29	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chrysene	15	1500	0.04	0.00	0.11	0.04	0.09	0.08	0.08	0.15	0.00	0.00	0.04	0.00	0.00	0.08	0.37	0.04	0.26	0.06	0.06	0.03	0.00
Dibenz(a,h)anthracene	0.015	1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DRO	1800	180000	53.70	36.70	90.40	96.10	255.00	136.00	38.70	308.00	64.20	114.00	116.00	100.00	71.60	141.00	142.00	122.00	129.00	165.00	56.50	51.30	71.20
Fluoranthene	2300	230000	0.10	0.00	0.11	0.11	0.23	0.06	0.24	0.30	0.00	0.00	0.10	0.00	0.00	0.13	0.70	0.05	0.58	0.08	0.10	0.03	0.00
Fluorene		230000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ideno(1,2,3-cd)pyrene	0.15	15	0.00	0.00	0.06	0.00	0.03	0.00	0.03	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.10	0.03	0.00	0.00	0.00
Indene	3.6	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m,p-Xylene	590	59000	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Methylene chloride	11	1100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
Naphthalene	3.6	360	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
o-Xylene	690	69000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phenanthrene	1720	172000	0.09	0.00	0.11	0.09	0.14	0.03	0.23	0.24	0.00	0.00	0.11	0.00	0.00	0.08	0.35	0.00	0.28	0.03	0.05	0.00	0.00
Phenol	18000	1800000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrene	1700	170000	0.08	0.00	0.12	0.08	0.20	0.06	0.22	0.32	0.00	0.00	0.10	0.00	0.00	0.12	0.60	0.05	0.65	0.07	0.09	0.04	0.00

Table 2. November 2011 Quarterly Sampling Synoptic Screening Level Results for bed and bank samples (mg/kg).

			City Creek			Emigration Creek			Mill Creek			Parleys Creek			Red Butte Creek			
			28	29	30	34	33	32	48	46	45	49	50	51	3	11	17	22
Chemical	No Action Level (mg/kg)	Expedited Action Level (mg/kg)	City Creek Below North Canyon Road Loop	CITY CK NEAR ENTRANCE GATE TO CANYON	City Creek @ bottom natural channel	Emigration Creek Above 1300 E	EMIGRATION CK AB 1900 E XING	EMIGRATION CK AT DONNER PARTY MEMORIAL	Mill Creek Below 700 E	MILL CK BL 2300 E XING	Mill Creek Above Country Gage	PARLEYS BL HISTORIC NATURE PRESERVE AT BOTTOM CUL	PARLEYS TOP OF SUGSRHOUSE (sic) PARK (Change to: P	PARLEYS Creek at HIDDEN HOLLOW (1300E)	Red Butte Creek Above Amphitheater	Red Butte Creek at Foothill	Red Butte Creek at Miller Park 1500 E.	Red Butte Creek at 1100 E.
1-Methylnaphthalene	22	2200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.03
2-Methylnaphthlene	310	31000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03
Acenaphthene	3400	340000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acenaphthylene	1720	172000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acetone	61000	6100000	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anthracene	17000	1700000	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.05
Benzene	1.1	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzo(a)anthracene	0.15	15	0.03	0.00	0.22	0.03	0.09	0.00	0.06	0.03	0.03	0.19	0.08	0.07	0.00	0.05	0.15	0.22
Benzo(a)pyrene	0.015	1.5	0.03	0.00	0.16	0.03	0.09	0.00	0.05	0.03	0.00	0.14	0.07	0.08	0.00	0.04	0.17	0.22
Benzo(b)fluoranthene	0.15	15	0.03	0.00	0.21	0.03	0.10	0.00	0.06	0.04	0.03	0.20	0.09	0.22	0.00	0.06	0.19	0.24
Benzo(g,h,i)perylene	1720	172000	0.00	0.00	0.04	0.00	0.08	0.00	0.03	0.00	0.00	0.03	0.03	0.04	0.00	0.00	0.04	0.06
Benzo(k)fluoranthene	1.5	150	0.00	0.00	0.08	0.00	0.03	0.00	0.00	0.00	0.00	0.06	0.04	0.06	0.00	0.03	0.08	0.11
Benzoic acid	240000	24000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
bis(2-Ethylhexyl)adipate	410	41000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
bis(2-Ethylhexyl)phthalate	0.35	35	0.00	0.00	2.94	0.00	0.00	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.71	0.00
Chloroform	0.29	29	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00
Chrysene	15	1500	0.00	0.00	0.18	0.00	0.10	0.00	0.06	0.00	0.00	0.15	0.06	0.06	0.00	0.04	0.14	0.19
Dibenz(a,h)anthracene	0.015	1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03
DRO	1800	180000	111.00	109.00	286.00	97.20	90.90	58.00	403.00	104.00	209.00	194.00	358.00	235.00	90.70	158.00	93.30	114.00
Fluoranthene	2300	230000	0.03	0.00	0.53	0.03	0.16	0.00	0.08	0.04	0.03	0.39	0.14	0.09	0.00	0.05	0.24	0.42
Fluorene		230000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ideno(1,2,3-cd)pyrene	0.15	15	0.02	0.00	0.14	0.02	0.11	0.00	0.05	0.03	0.00	0.10	0.06	0.13	0.00	0.04	0.11	0.13
Indene	3.6	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m,p-Xylene	590	59000	0.00	0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.00	0.00	0.00	0.00
Methylene chloride	11	1100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Naphthalene	3.6	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03
o-Xylene	690	69000	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00
Phenanthrene	1720	172000	0.00	0.00	0.17	0.00	0.06	0.00	0.04	0.00	0.00	0.19	0.05	0.04	0.00	0.03	0.10	0.22
Phenol	18000	1800000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrene	1700	170000	0.04	0.00	0.66	0.03	0.16	0.00	0.11	0.04	0.04	0.33	0.13	0.09	0.00	0.05	0.23	0.36

Table 3. February 2012 Quarterly Sampling Synoptic Screening Level Results for bed and bank samples (mg/kg).

			City Creek			Emigration Creek			Mill Creek			Parleys Creek	Red Butte Creek			
			28	29	30	34	33	32	48	46	45	51	3	11	17	22
Chemical	No Action Level (mg/kg)	Expedited Action Level (mg/kg)	City Creek Below North Canyon Road Loop	CITY CK NEAR ENTRANCE GATE TO CANYON	City Creek @ bottom natural channel	Emigration Creek Above 1300 E	EMIGRATION CK AB 1900 E XING	EMIGRATION CK AT DONNER PARTY MEMORIAL	Mill Creek Below 700 E	MILL CK BL 2300 E XING	Mill Creek Above Country Gage	PARLEYS Creek at HIDDEN HOLLOW (1300E)	Red Butte Creek Above Amphitheater	Red Butte Creek at Foothill	Red Butte Creek at Miller Park 1500 E.	Red Butte Creek at 1100 E.
1-Methylnaphthalene	22	2200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.05
2-Methylnaphthlene	310	31000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.03	0.00	0.06
Acenaphthene	3400	340000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acenaphthylene	1720	172000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acetone	61000	6100000	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Anthracene	17000	1700000	0.00	0.05	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.02
Benzene	1.1	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzo(a)anthracene	0.15	15	0.00	0.14	0.03	0.00	0.07	0.00	0.07	0.09	0.00	0.07	0.00	0.00	0.18	0.08
Benzo(a)pyrene	0.015	1.5	0.00	0.16	0.04	0.00	0.06	0.00	0.07	0.09	0.00	0.08	0.00	0.02	0.18	0.07
Benzo(b)fluoranthene	0.15	15	0.00	0.15	0.06	0.03	0.09	0.03	0.07	0.22	0.00	0.11	0.00	0.04	0.39	0.11
Benzo(k)fluoranthene	1.5	150	0.00	0.06	0.00	0.00	0.03	0.00	0.00	0.06	0.00	0.03	0.00	0.00	0.09	0.04
Benzoic acid	240000	24000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
bis(2-Ethylhexyl)adipate	410	41000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
bis(2-Ethylhexyl)phthalate	0.35	35	0.86	0.56	0.78	0.59	0.00	0.00	1.56	0.00	0.00	1.21	0.55	0.00	1.03	0.00
Chloroform	0.29	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chrysene	15	1500	0.00	0.12	0.07	0.00	0.07	0.00	0.09	0.14	0.00	0.09	0.00	0.02	0.18	0.08
DRO	1800	180000	77.40	128.00	364.00	71.30	83.80	90.70	461.00	95.50	69.40	311.00	60.00	135.00	118.00	78.60
Fluoranthene	2300	230000	0.00	0.21	0.05	0.04	0.11	0.00	0.13	0.14	0.00	0.16	0.00	0.03	0.52	0.18
Fluorene		230000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ideno(1,2,3-cd)pyrene	0.15	15	0.00	0.09	0.05	0.00	0.06	0.00	0.05	0.06	0.00	0.05	0.00	0.00	0.14	0.06
Indene	3.6	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Methylene chloride	11	1100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Naphthalene	3.6	360	0.00	0.04	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.10	0.00	0.02	0.00	0.05
o-Xylene	690	69000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phenanthrene	1720	172000	0.00	0.19	0.03	0.00	0.07	0.00	0.10	0.05	0.00	0.14	0.00	0.04	0.19	0.17
Phenol	18000	1800000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pyrene	1700	170000	0.00	0.25	0.06	0.04	0.11	0.00	0.15	0.15	0.00	0.15	0.00	0.03	0.57	0.16
Tetrachloroethane	0.56	56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Toluene	5000	500000	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
ORO	1800	180000	0.00	51.90	271.00	41.20	48.00	0.00	145.00	0.00	0.00	165.00	36.00	27.20	49.20	54.80

Table 4. May 2012 Quarterly Sampling Synoptic Screening Level Results for bed and bank samples (mg/kg).

			City Creek			Emigration Creek			Mill Creek			Parleys Creek			Red Butte Creek			
			28	29	30	34	33	32	48	46	45	49	50	51	3	11	17	22
Chemical	No Action Level (mg/kg)	Expedited Action Level (mg/kg)	City Creek Below North Canyon Road Loop	CITY CK NEAR ENTRANCE GATE TO CANYON	City Creek @ bottom natural channel	Emigration Creek Above 1300 E	EMIGRATION CK AB 1900 E XING	EMIGRATION CK AT DONNER PARTY MEMORIAL	Mill Creek Below 700 E	MILL CK BL 2300 E XING	Mill Creek Above Country Gage	PARLEYS BL HISTORIC NATURE PRESERVE AT BOTTOM CUL	PARLEYS TOP OF SUGSRHOUSE (sic) PARK (Change to: P	PARLEYS Creek at HIDDEN HOLLOW (1300E)	Red Butte Creek Above Amphitheater	Red Butte Creek at Foothill	Red Butte Creek at Miller Park 1500 E.	Red Butte Creek at 1100 E.
1-Methylnaphthalene	22	2200	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
2-Methylnaphthlene	310	31000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00
Acenaphthene	3400	340000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acenaphthylene	1720	172000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Acetone	61000	6100000	0.04	0.00	0.02	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.02	0.00	0.00	0.00
Anthracene	17000	1700000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00
Benzene	1.1	110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Benzo(a)anthracene	0.15	15	0.00	0.00	0.00	0.00	0.14	0.00	0.04	0.00	0.00	0.03	0.07	0.04	0.00	0.00	0.34	0.06
Benzo(a)pyrene	0.015	1.5	0.00	0.00	0.00	0.00	0.09	0.00	0.04	0.00	0.06	0.06	0.04	0.04	0.00	0.00	0.46	0.05
Benzo(b)fluoranthene	0.15	15	0.00	0.00	0.00	0.00	0.15	0.00	0.04	0.00	0.00	0.04	0.07	0.04	0.00	0.03	0.69	0.06
Benzo(g,h,i)perylene	1720	172000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00
Benzo(k)fluoranthene	1.5	150	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00
Benzoic acid	240000	24000000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.07	0.00	2.00	0.00	0.00	0.00	0.00	0.00
bis(2-Ethylhexyl)adipate	410	41000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
bis(2-Ethylhexyl)phthalate	0.35	35	0.00	0.00	0.00	0.00	0.44	0.65	0.54	0.49	0.00	0.00	0.00	0.57	0.00	0.00	0.00	0.00
Chloroform	0.29	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chrysene	15	1500	0.00	0.00	0.04	0.00	0.14	0.00	0.05	0.00	0.00	0.04	0.06	0.05	0.00	0.03	0.32	0.07
Dibenz(a,h)anthracene	0.015	1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
DRO	1800	180000	173.00	238.00	189.00	108.00	198.00	102.00	201.00	196.00	320.00	767.00	985.00	366.00	84.00	144.00	173.00	89.00
Fluoranthene	2300	230000	0.00	0.00	0.00	0.00	0.22	0.00	0.07	0.00	0.00	0.06	0.16	0.08	0.00	0.04	0.55	0.13
Fluorene		230000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00
Ideno(1,2,3-cd)pyrene	0.15	15	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00
Indene	3.6	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
m,p-Xylene	590	59000	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Methylene chloride	11	1100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Naphthalene	3.6	360	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00
o-Xylene	690	69000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Phenanthrene	1720	172000	0.00	0.00	0.00	0.00	0.06	0.00	0.06	0.00	0.00	0.04	0.10	0.04	0.00	0.09	0.18	0.08
Phenol	18000	1800000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.00	12.70	0.00	0.00	0.00	0.00	0.00
Pyrene	1700	170000	0.00	0.00	0.00	0.03	0.19	0.00	0.07	0.00	0.00	0.00	0.13	0.08	0.00	0.03	0.57	0.11

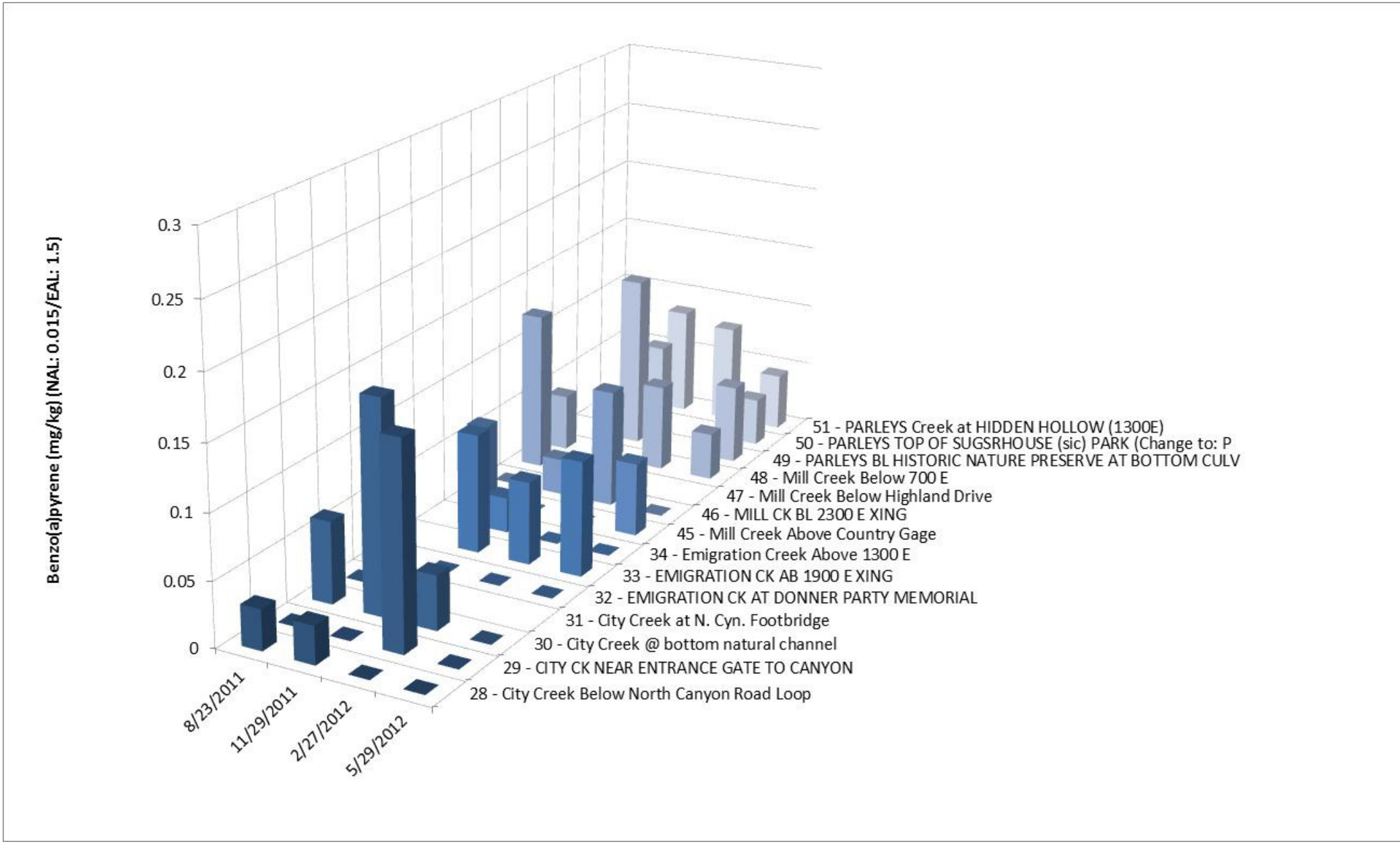

Figure 1. Benzo(a)pyrene Results for City Creek, Emigration Creek, Mill Creek, and Parleys Creek.

NAL=No Action Level. 0.015 mg/kg

EAL=Expedited Action Level. 1.5 mg/kg

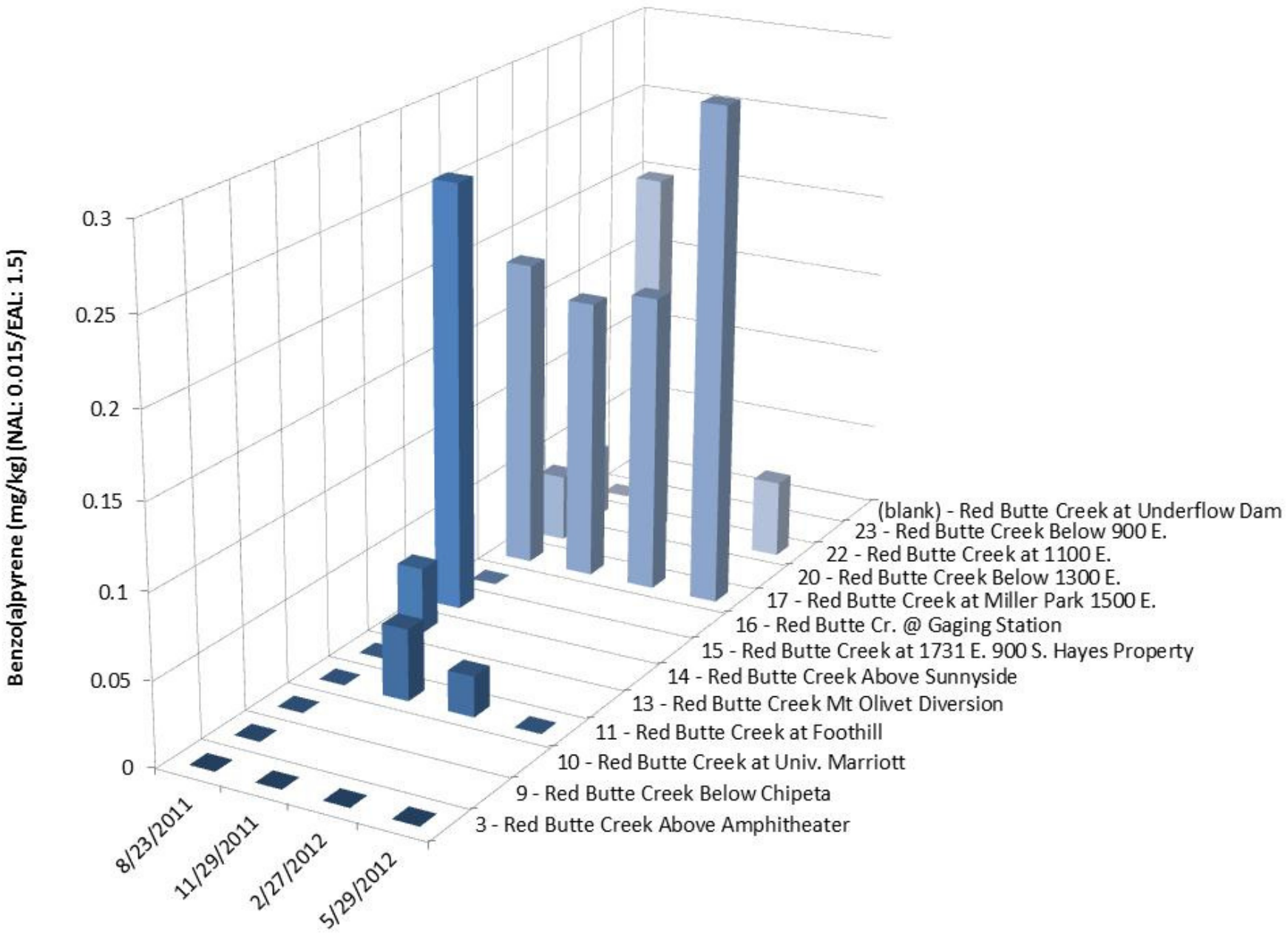

Figure 2. Benzo(a)pyrene Results for Red Butte Creek.

NAL=No Action Level. 0.015 mg/kg

EAL=Expedited Action Level. 1.5 mg/kg

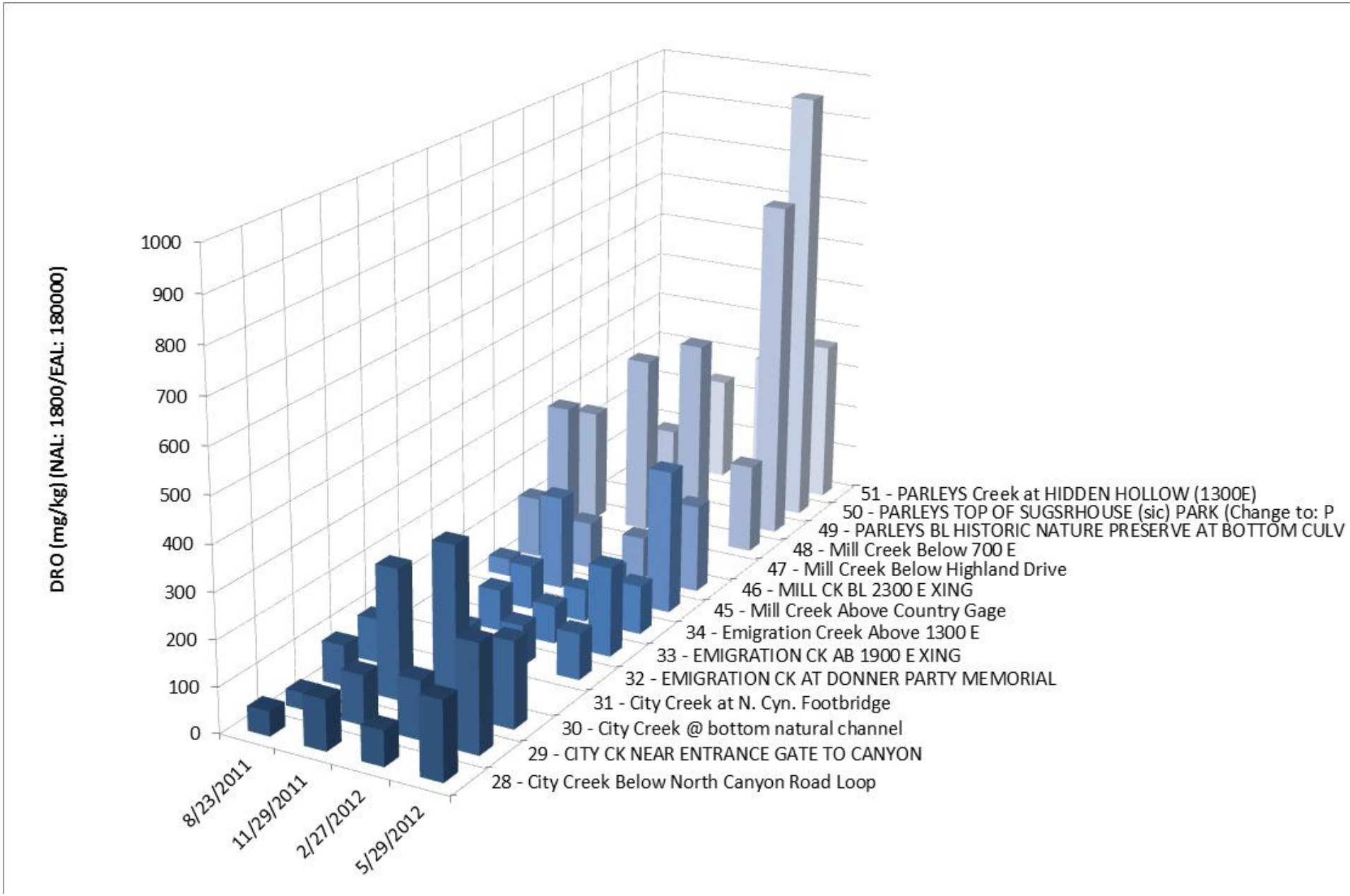

Figure 3. DRO Results for City Creek, Emigration Creek, Mill Creek, and Parleys Creek.

NAL=No Action Level. 1,800 mg/kg

EAL=Expedited Action Level. 180,000 mg/kg

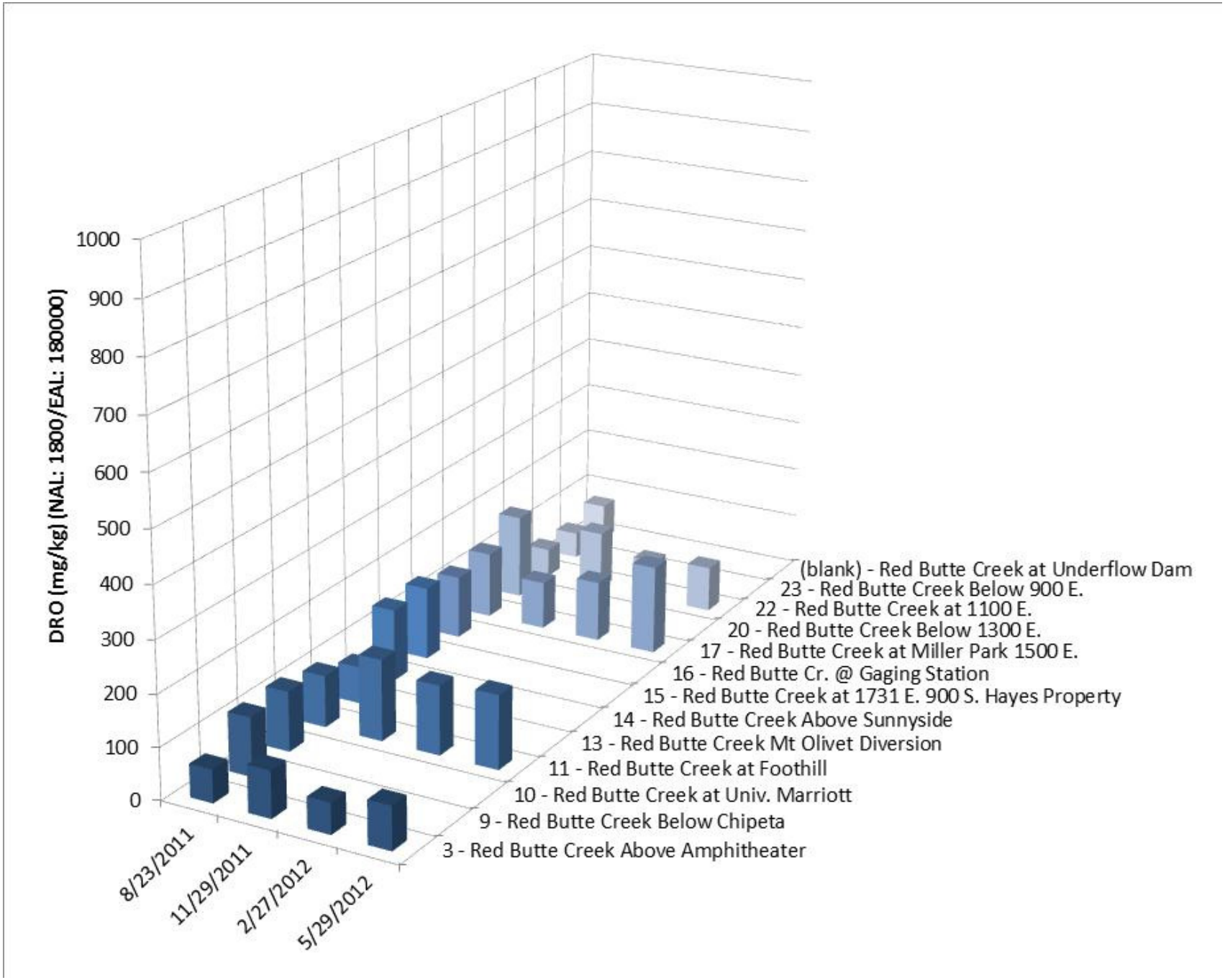

Figure 4. DRO Results for Red Butte Creek.

NAL=No Action Level. 1,800 mg/kg

EAL=Expedited Action Level. 180,000 mg/kg

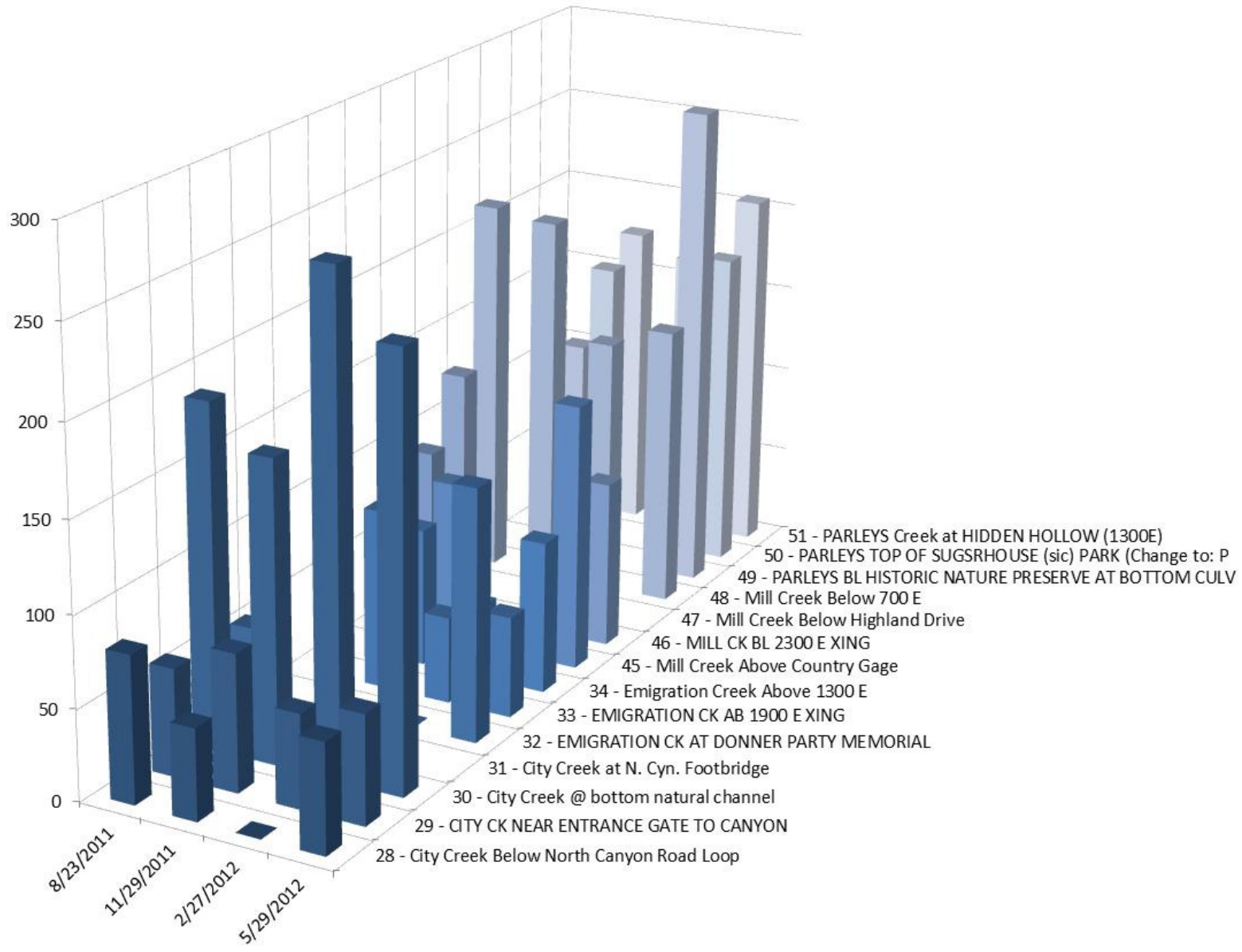

Figure 5. ORO Results for City Creek, Emigration Creek, Mill Creek, and Parleys Creek.

NAL=No Action Level. 1,800 mg/kg

EAL=Expedited Action Level. 180,000 mg/kg

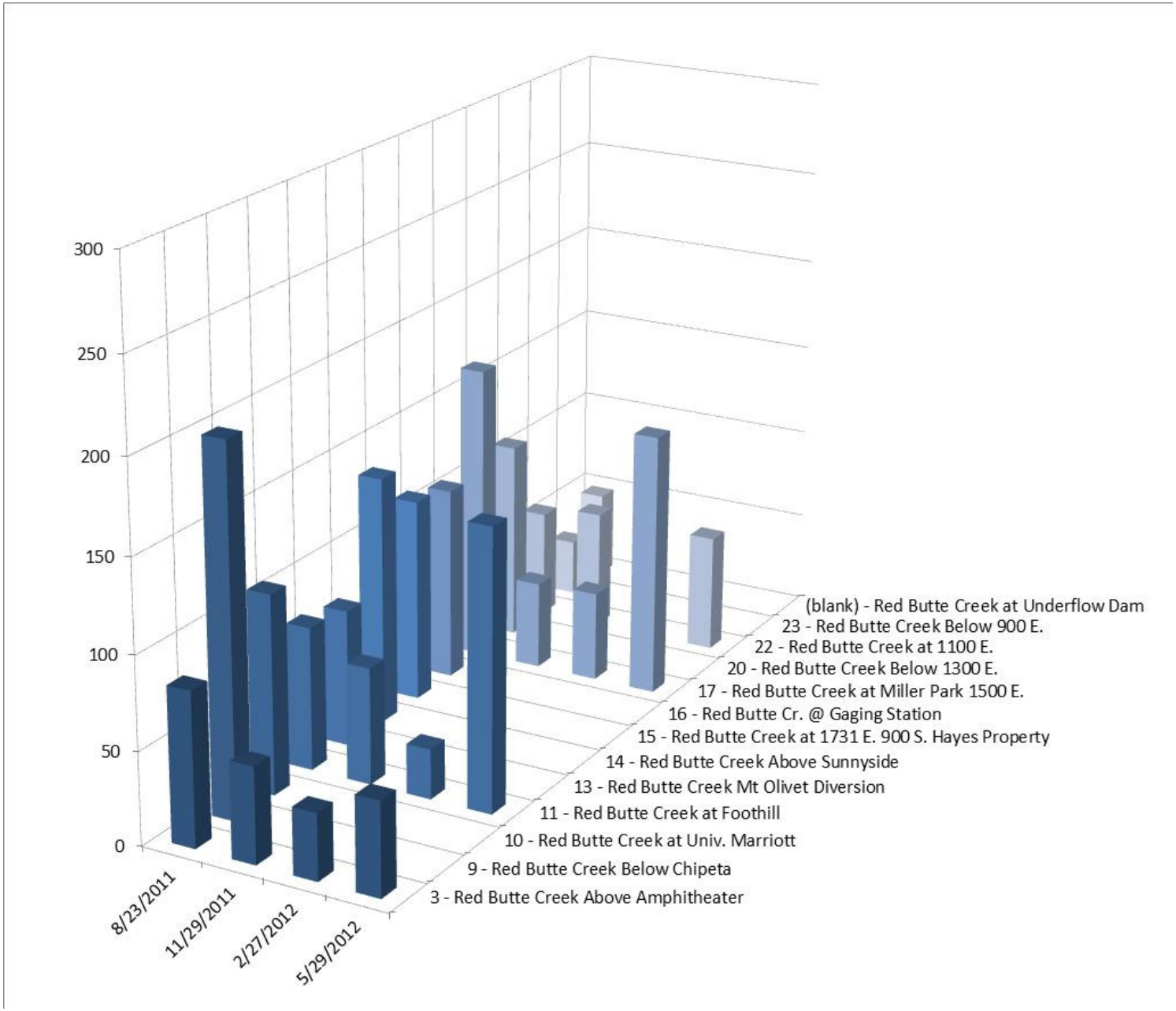

Figure 6. ORO Results for Red Butte Creek.

NAL=No Action Level. 1,800 mg/kg

EAL=Expedited Action Level. 180,000 mg/kg

Metadata

1. Results presented in screening level tables and graphs represent the maximum value of the bed and bank sample at a location.

2. Zero values represent non-detect samples in the screening level tables.

3. Blank results in the bar chart demonstrates a sample was not collected for that location

4. Flat bars in the chart demonstrate non-detects.

5. TrPH results are only available for water samples on 11/30/10, 12/3/10, 12/5/10, 6/1/10, and 10/27/11. NO TrPH results for sediment or for the quarterly synoptic event.

6. “TPH (C11-C15) DRO” and “TPH (C6-C10) GRO” are available for 8/30/10, 12/1/10, 2/17/11, and 7/7/11. No samples collected for quarterly synoptic event.

7. “ORO” and “DRO” are the only TPH parameters available for the synoptic events for sediment. They are presented in the tables and figures.

8. In tables, green coloration indicates “NAL=No Action Level”, red indicates “EAL=Expedited Action Level” and orange is between these two levels.