Cement Creek to A72 Sampling Locations

The following table lists sampling locations for Cement Creek and the Animas R

Many of these sites were sampled in October 2012 in an effort to develop a ca

Rob Runkel, 22 Oct 2012

Site ID OTEQ	ARSG/EPA	USGS	Distance [m]	Source
OT-00000	CC01F		0	STR
OT-00320		ROSS-271	320	RBI
OT-00336	CC01H		336	STR
OT-00347	CC01S	ROSS-298	347	RBI
OT-00371	CC01T		371	STR
OT-00557	CC01U	ROSS-0457	557	STR
OT-01192	CC02H	ROSS-1092	1192	STR
OT-01355	MTD-4	ROSS-1268	1355	LBI
OT-01380	CC02B	ROSS-1283	1380	STR
OT-01388	FD-1	ROSS-1298	1388	LBI
OT-01407	CC02B2	WP60	1407	STR
OT-01827	CC03A		1827	STR
OT-02744	CC03B		2744	STR
OT-02785	CC03E	ROSS-2711	2785	LBI
OT-03009	CC03		3009	STR

OT-03078	CC07	ROSS-3026	3078	LBI
OT-03376	CC18B		3376	STR
OT-03443	ATS-1		3443	LBI
OT-03452	CC19C		3452	LBI
OT-03564	CC18		3564	STR
OT-03689	CC20B		3689	LBI
OT-03977	“CC20”		3977	STR
OT-04016	CC17	ROSS-3915	4016	LBI
OT-04056	CC21		4056	STR
OT-05666	CC21B		5666	STR
OT-05736	CC26	CE-2795	5736	RBI
OT-06552	CC28C		6552	STR
OT-06611		CE-3670	6611	LBI
OT-07222	CC30N		7222	STR
OT-07371		CE-4313	7371	RBI
OT-08546	CC34		8546	STR
OT-08670		CE-5512	8670	RBI
OT-08991	CC38C		8991	RBI
OT-09065	CC38	CE-5907	9065	RBI
OT-09842	CC40B		9842	STR
OT-09939	CC40	CE-6781	9939	RBI
OT-10087	CC41		10087	STR
OT-10164	CC42	CE-7006	10164	LBI
OT-10530	CC44B		10530	STR
OT-11420	CC45K		11420	STR
OT-12392	CC46B		12392	STR
OT-13443	CC47C		13443	STR
OT-13645			13645	RBI

OT-14716	CC48	CE-11558	14716	STR
OT-16024	CC49		16024	STR
OT-16030	A68		16030	LBI
OT-16720	A69A		16720	STR
OT-17360	A70B		17360	STR
OT-17397	M34		17397	RBI
OT-17805	A71B		17805	STR
OT-18637	A72		18637	STR
OT-25835	A73		25835	STR
OT-25855	A73EC		25855	LBI
OT-26000	A73B		26000	STR
OT-47025	A75D		47025	STR
OT-47057	A75CC		47057	RBI
OT-47245	A75B		47245	STR
OT-65200	BBRIDGE		65200	STR

STR = Cement Creek or Animas River mainstem (upper Cement Creek to A72)

RBI = Right bank inflow (inflow to mainstem, river right)

LBI = Left Bank Inflow (inflow to mainstem, river left)

Notes:

“CC20” is the ID that was assigned when sampling in October 2012; the historical site known as CC20 is prob

USGS Site IDs:

ROSS-XXXX	1999 Study by Kimball, Runkel, and others. (See: Kimball et al. USGS Professional P
CE-XXXX	1996 Study by Kimball, Runkel, Walton-Day. (See: Kimball et al. USGS Professional

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libration data set for OTEQ

Description	UTM Zone 13 S, NAD83 Easting	Northing	Altitude [ft]
Cement Creek above Grand Mogul adit/tailings	268808	4199015	11839
Inflow from Grand Mogul area at confluence with Cement Creek	268534	4199108	11680
Cement Creek above Queen Anne tributary and below the Grand Mogul inflow	268519	4199114	11683
Queen Anne tributary at confluence with Cement Creek	268513	4199122	11651
Cement Creek below the Queen Anne tributary and above confluence with Mogul Sublevel 1 tributaries	268491	4199117	11642
Cement Creek below Sublevel 1 tribs.	268355	4199199	11602
Cement Creek above road to Mogul.	267851	4199088	11274
Mogul tailings drainage at confluence with Cement Creek.	267734	4198988	11180
Cement Creek below MTD-4 confluence and above FD-1 confluence.	267711	4198979	11193
Fenn drainage at confluence with Cement Creek	267706	4198973	11196
Cement Creek below FD-1	267702	4198954	11171
Cement Creek between FD-1 and Red & Bonita	267568	4198594	11003
Cement Creek immediately above Red and Bonita confluence.	267349	4197770	10775
Inflow from Red & Bonita at confluence with Cement Creek	267328	4197735	10771
Cement Creek above North Fork Cement Creek.	267249	4197534	10718

North Fork Cement Creek near confluence with Cement Creek.	267228	4197470	10706
Cement Creek above the American Tunnel and below the N Fork	267123	4197204	10581
American Tunnel Seep #1.	267100	4197153	10613
American Tunnel, at confluence with Cement Creek	267095	4197146	10604
Cement Creek below the American Tunnel.	267029	4197063	10576
Seep along road bank that enters Cement Creek on the downstream side of the road culvert	266943	4196990	10493
Cement Creek above South Fork Cement Creek	266681	4196897	10440
South Fork of Cement Creek near confluence with Cement Creek	266787	4196879	10456
Cement Creek below South Fork Cement Creek	266611	4196865	10423
Cement Creek above Prospect Gulch	265471	4196132	10284
Prospect Gulch above Cement Creek road	265401	4196139	10302
Cement Creek above Tiger Gulch	265150	4195633	10256
Tiger Gulch at mouth	265127	4195579	10228
Cement Creek above Fairview Gulch	264882	4195031	10185
Fairview Gulch at mouth	264819	4194896	10108
Cement Creek above Minnesota Gulch.	264621	4193936	10016
Minnesota Gulch at mouth	264593	4193815	10064
Adit to north of Porcupine Gulch, near Cement Creek road	264493	4193549	10022
Porcupine Gulch above Cement Creek road	264502	4193475	10048
Cement Creek above Ohio Gulch.	264534	4192806	10034
Ohio Gulch above Cement Creek road	264440	4192780	9994
Cement Creek above Illinois Gulch	264512	4192647	9924
Illinois Gulch at mouth	264504	4192570	9904
Cement Creek above Topeka Gulch.	264378	4192235	9863
Cement Creek above Niagara Gulch; below where road crosses CC	264196	4191558	9776
Cement Creek below Hancock Gulch	264528	4190780	9649
Cement Creek above Soda Gulch	265026	4190014	9542
Soda Gulch at mouth	265147	4189856	9479

site listing

USGS Gage 09358550, Cement Creek at Silverton	265576	4189184	9345
Cement Creek at mouth	265795	4188031	9296
USGS gage 09358000, Animas River at Silverton	265916	4188212	9289
Animas River above Idaho Gulch	265606	4187508	9274
Animas River above Mineral Creek	265126	4187102	9240
USGS gage 09359010, Mineral Creek at Silverton	264703	4187299	9256
Animas River below Mineral Creek.	265016	4186689	9226
USGS gage 09359020, Animas River below Silverton	265114	4185878	9192
Animas River above Elk Creek			
Elk Creek			
Animas River below Elk Creek			
Animas River above Cascade Creek			
Cascade Creek			
Animas River below Cascade Creek			
Animas River at Baker's Bridge			

ably further upstream (above the ford crossing)

aper and Walton-Day et al., JAWRA, 2012)

Paper & Applied Geochemistry, 2002)

dist	dissolved Al	total Al	site	date	time
0	0.134	0.28	CC01F	41185	0.67361
336	0.341	0.346	CC01H	41185	0.64931
371	1.24	1.29	CC01T	41185	0.63542
557	1.07	1.26	CC01U	41185	0.61458
1192	1.06	1.19	CC02H	41185	0.60417
1380	2.36	2.6	CC02B	41185	0.57986
1407	2.7	2.76	CC02B2	41185	0.57639
1827	2.41	2.36	CC03A	41185	0.54514
2744	2.29	2.24	CC03B	41185	0.51389
3009	2.95	4.22	CC03	41185	0.5
3376	6.84	7.13	CC18B	41185	0.46875
3564	7.01	7.09	CC18	41185	0.44792
3977	7.6	7.75	CC20	41185	0.42361
4056	3.95	4.56	CC21	41184	0.73264
4056	3.9	4.66	CC21	41185	0.40278
5666	5.77	6.2	CC21B	41184	0.70139
5666	5.79	6.3	CC21B-DUP		
5666	4.93	4.99	CC21B	41185	0.40278
6552	9.24	9.47	CC28C	41184	0.6875
6552	9.07	9.41	CC28C	41185	0.38542
6552	9.14	9.58	CC28C	41186	0.48611
7222	9.05	9.38	CC30N	41184	0.67708
8546	8.56	8.86	CC34	41184	0.66667
8546	8.58	8.93	CC34	41186	0.47569
9842	8.29	8.6	CC40B	41184	0.64583
9842	8.4	8.53	CC40B	41186	0.46319
10087	8.16	8.53	CC41	41184	0.59375
10530	7.35	7.51	CC44B	41184	0.57292
11420	7.29	7.55	CC45K	41184	0.57292
12392	7.54	7.71	CC46B	41184	0.55208
13443	7.46	7.8	CC47C	41184	0.53125
14716	7.48	7.67	CC48	41184	0.52083
14716	7.63	7.78	CC48-D	41184	0.52431
14716	7.52	7.89	CC48	41186	0.4375
16024	7.66	7.8	CC49	41184	0.5
16024	7.6	7.77	CC49-D	41184	0.50347
16720	0.603	2.52	A69A	41184	0.45833
17360	1.69	2.46	A70B	41184	0.43056
17805	0.309	2.78	A71B	41184	0.39931
18637	0.342	2.62	A72	41184	0.38542
18637	0.418	2.71	A72	41186	0.39583
25835	0.0448	2.42	A73	41185	0.60417
26000	0.0391	1.98	A73B	41185	0.5625
47025	<detect	1.79	A75D	41185	
47245	0.0213	0.83	A75B	41185	0.40278
65200	0.0262	0.234	BBRIDGE	41185	0.43056