

Table 1.1-1
Total Precipitation at Each Laboratory Meteorological Tower and
Return Period (24-h Storms) from 9/10/2013 to 9/15/2013

Met Tower	9/10/2013		9/11/2013		9/12/2013 to 9/13/2013		9/14/2013 to 9/15/2013	
	Precip (in.)	Return Period (yr)	Precip (in.)	Return Period (yr)	Precip (in.)	Return Period (yr)	Precip (in.)	Return Period (yr)
TA-06	1.35	3	0.10	<1	5.07	>1000	0.36	<1
TA-49	1.40	2	0.08	<1	3.94	200	1.85	5
TA-53	1.21	3	0.05	<1	3.70	>1000	0.49	<1
TA-54	1.37	4	0.02	<1	4.28	>1000	1.02	1
NCOMM	1.40	2	0.09	<1	4.49	>1000	0.35	<1
LANL Average	1.35	3	0.07	<1	4.30	>1000	0.81	1

Table 2.1-1
Station Configuration at LA/P Gages

Gage	Stage Measurement Device	Communication Method with Gage Datalogger	Sampler Trip Level (Aboveground)	Sampler Intake Level (Aboveground)
E026	Encoder	Radio telemetry	1.3 ft	4 in.
E030	Encoder	Radio telemetry	1.54 ft	4 in.
E038	Bubbler	Radio telemetry	0.7 ft	4 in.
E039.1	Encoder	Radio telemetry	0.58 ft	4 in.
E040	Probe	Radio telemetry	2.73 ft	4 in.
E042.1	Encoder	Radio telemetry	0.58 ft	4 in.
E050.1	Encoder/bubbler	Radio telemetry	0.4 ft	2.4 in.
E055	Bubbler	Radio telemetry	1.21 ft	4 in.
E055.5	Bubbler	Radio telemetry	0.75 ft	4 in.
E056	Bubbler	Radio telemetry	1.39 ft	4 in.
E059	Encoder	Radio telemetry	0.58 ft	4 in.
E060.1	Encoder/bubbler	Radio telemetry	0.4 ft	2.4 in.
E099	Encoder	Radio telemetry	0.9 ft	6 in.
E109.9	Encoder/bubbler/probe	Radio telemetry	0.4 ft	2.4 in.

Table 2.3-1
Maximum Daily Discharge and Storm Water Sampling in the LA/P Watershed during 2013

Date	Los Alamos Canyon Discharge (cfs)									Pueblo and Acid Canyon Discharge (cfs)				
	DP Canyon			Los Alamos Canyon						Acid Canyon		Pueblo Canyon		
	E038	E039.1	E040	E026	E030	E042.1	E050.1	E099 ^a	E109.9	E055.5	E056	E055	E059	E060.1
14 June	70 S ^b	13 S	<1 N ^c	1.5 N	0 N ^d	0 N	0 N	0 N	<1 N	3.5 N	30 S	15 S	0 N	0 N
30 June	120 S	11 S	0 N	7.6 N	1.2 N	0 N	0 N	3.3 N	3.2 N	0 N	7.8 N	0 N	0 N	0 N
5 July	55 N ^e	7 N	0 N	0 N	0 N	0 N	0 N	0 N	<1 N	0 N	0 N	<1 N	0 N	0 N
8 July	0 N	<1 N	0 N	0 N	0 N	0 N	0 N	32 N	110 S	0 N	0 N	0 N	0 N	0 N
12 July	330 S	330 S	260 S	<1 N	17 S	160 S	32 S	230 S	180 S	40 S	43 S	9.2 N	7 N	0 N
12-13 July	18 N	18 N ^f	0 N	<1 N	0 N	0 N	0 N	1100 N	250 N	0 N	<1 N	4.1 N	0 N	0 N
20-21 July	0 N	<1 N	0 N	0 N	0 N	0 N	0 N	480 S	810 S	0 N	0 N	0 N	0 N	0 N
25 July	13 N	3.9 N	0 N	<1 N	0 N	2.4 N	0 N	10 N	100 S	0 N	0 N	0 N	0 N	0 N
26 July	12 N	10 N	3.3 N	<1 N	0 N	17 N	<1 N	8 N	160 S	0 N	0 N	0 N	0 N	0 N
26-27 July	0 N	<1 N	0 N	0 N	0 N	14 N	0 N	0 N	2.5 N	0 N	0 N	0 N	0 N	0 N
28 July	74 S	24 S	<1 N	<1 N	0 N	31 N	<1 N	<1 N	70 N	0 N	0 N	0 N	0 N	0 N
3 Aug	0 N	0 N	0 N	0 N	0 N	0 N	0 N	0 N	950 S	0 N	0 N	0 N	0 N	0 N
4 Aug	17 N	12 S	0 N	0 N	0 N	0 N	0 N	0 N	68 N	0 N	0 N	0 N	0 N	0 N
5 Aug	170 S	170 N	76 S	<1 N	1.9 N	80 S	20 S	340 S	1000 S	1.8 N	16 S	7.1 N	0 N	1.7 N
9 Aug	62 S	16 S	3.7 N	0 N	0 N	<1 N	0 N	360 N	270 S	0 N	0 N	<1 N	0 N	0 N
20 Aug	0 N	0 N	0 N	4 N	0 N	0 N	0 N	14 N	42 N	0 N	1.5 N	8.6 N	0 N	0 N
30 Aug	0 N	0 N	0 N	0 N	0 N	0 N	0 N	24 N	150 N	0 N	0 N	0 N	0 N	0 N
2 Sept	3.8 N	0 N	0 N	0 N	0 N	0 N	0 N	430 N	310 N	0 N	0 N	0 N	0 N	0 N
10 Sept	39 N	35 S	27 S	6.1 N	5.9 N	36 S	11 S	1 N	130 N	<1 N	7.3 N	9 N	0 N	0 N
11 Sept	13 N	18 N	19 N	3 N	6.1 N	26 N	16 S	<1 N	65 N	0 N	3.3 N	6.2 N	0 N	0 N
12 Sept	51 N	77 S	84 S	400 S	52 S	110 N	87 S	350 N	520 S	4.4 N	260 S	32 S	59 N	<1 N

Table 2.3-1 (continued)

Date	Los Alamos Canyon Discharge (cfs)									Pueblo and Acid Canyon Discharge (cfs)				
	DP Canyon			Los Alamos Canyon						Acid Canyon		Pueblo Canyon		
	E038	E039.1	E040	E026	E030	E042.1	E050.1	E099 ^a	E109.9	E055.5	E056	E055	E059	E060.1
13 Sept	310 N	400 N	830 N	850 N	450 N	740 N	740 N	1600 N	5000 N EST	47 S	820 N	80 N	1500 N	1400 N
14 Sept	1.9 N	3.7 N	na ^{fg}	na	3.8 N	na	48 N	na	na	0 N	2.3 N	1.2 N	na	na
18 Sept	17 N	18 N	na	na	<1 N	na	1.4 N	na	na	0 N	1.8 N	0 N	na	na
21 Sept	0 N	0 N	na	na	0 N	6.6 N	8.1 N	na	na	0 N	<1 N	0 N	na	5.7 N
22-23 Sept	45 N	26 N	na	na	14 N	27 N	34 N	na	na	0 N	3.2 N	<1 N	na	2.2 N
3-4 Oct	0 N	0 N	na	na	4.6 N	16 N	6.7 N	na	na	0 N	0 N	0 N	na	0 N
5 Nov	17 N	21 S	na	na	<1 N	<1 N	3.2 N	na	na	0 N	<1 N	0 N	na	1.7 N

^a Maximum discharge values reported have an accuracy of ± 50 cfs.

^b S = Sample was collected. Cell is highlighted in yellow.

^c N = Sample was not collected.

^d Blank in cell indicates no discharge occurred at this station.

^e Blue highlight in cell indicates no sample was collected on a day with recorded discharge above the triggering threshold at that station.

^f For E039.1, the 18 cfs on 7/13/2013 was the hydrograph tail of the previous day's storm on 7/12/2013.

^{fg} na = Not available. Gage station was damaged.

Table 2.3-2
Sampling Station Operational Issues during the 2013 Monitoring Year

<u>Station</u>	<u>Date</u>	<u>Discharge (cfs)</u>	<u>Reason</u>	<u>Comment</u>
<u>E026</u>	<u>9/13/2013</u>	<u>850</u>	<u><1 d between storms</u>	<u>Sampler filled with storm water; collected 9/12/2013 between 17:10 MST and 17:27 MST. Next inspection at gage station after 9/13/2013 storm was 9/17/2013. Sampler was not reset to collect discharge from the 9/13/2013 storm that occurred from 06:50 to 18:00 MST.</u>
<u>E030</u>	<u>9/13/2013</u>	<u>450</u>	<u><1 d between storms</u>	<u>Sampler filled with storm water; collected 9/12/2013 between 18:19 and 18:34 MST. Next inspection at gage station after 9/13/2013 storm was 9/27/2013. Sampler was not reset to collect discharge from the 9/13/2013 storm that occurred between 06:30 and 14:00 MST.</u>
<u>E030</u>	<u>9/22-9/23/2013</u>	<u>14</u>	<u>Access restriction</u>	<u>Sampler filled with storm water; collected 9/12/2013. Next inspection at gage station after 9/13/2013 storm was 9/27/2013. Sampler was not reset to collect discharge from the 9/22–9/23/2013 storm.</u>
<u>E038</u>	<u>7/5/2013</u>	<u>55</u>	<u>Access restriction</u>	<u>Fire restrictions in place 6/24/2013 to 7/8/2013. Sampler filled with storm water collected 6/30/2013. Sampler was not reset to collect discharge from the 7/5/2013 storm.</u>
<u>E038</u>	<u>9/12/2013</u>	<u>51</u>	<u>Operator error</u>	<u>Sampler collected storm water discharge 9/12/2013. Monitoring plan required analysis of SSC. The project operator incorrectly recommended collected water to be left on-site.</u>
<u>E038</u>	<u>9/13/2013</u>	<u>310</u>	<u>Access restriction</u>	<u>Sampler filled with storm water; collected 9/12/2013. Next inspection at gage station after 9/13/2013 storm was 9/27/2013. Sampler was not reset to collect discharge from the 9/13/2013 storm.</u>
<u>E038</u>	<u>9/22-9/23/2013</u>	<u>45</u>	<u>Access restriction</u>	<u>Sampler filled with storm water; collected 9/12/2013. Next inspection at gage station after 9/13/2013 storm was 9/27/2013. Sampler was not reset to collect discharge from the 9/22–9/23/2013 storm.</u>
<u>E039.1</u>	<u>7/26/2013</u>	<u>10</u>	<u>Discharge slightly less than trigger</u>	<u>Peak discharge of 9.98 cfs did not attain sampling trigger of 10 cfs.</u>
<u>E039.1</u>	<u>8/5/2013</u>	<u>170</u>	<u>Personnel availability</u>	<u>Sampler filled with storm water; collected Sunday, 8/4/2013. Next inspection at gage station was Friday, 8/9/2013. Sampler was not reset to collect discharge from the 8/5/2013 storm.</u>
<u>E039.1</u>	<u>9/13/2013</u>	<u>400</u>	<u><1 d between storms</u>	<u>Sampler filled with storm water; collected 9/12/2013 between 15:24 and 15:37 MST. Next inspection at gage station after 9/13/2013 storm was 9/27/2013. Sampler was not reset to collect discharge from the 9/13/2013 storm that occurred between 05:30 and 12:00 MST.</u>
<u>E039.1</u>	<u>9/18/2013</u>	<u>18</u>	<u>Access restriction</u>	<u>Sampler filled with storm water; collected 9/12/2013. Next inspection at gage station after 9/13/2013 storm was 9/27/2013. Sampler was not reset to collect discharge from the 9/18/2013 storm.</u>
<u>E039.1</u>	<u>9/22-9/23/2013</u>	<u>26</u>	<u>Access restriction</u>	<u>Sampler filled with storm water; collected 9/12/2013. Next inspection at gage station after 9/13/2013 storm was 9/27/2013. Sampler was not reset to collect discharge from the 9/22–9/23/2013 storm.</u>

Table 2.3-2 (continued)

<u>Station</u>	<u>Date</u>	<u>Discharge (cfs)</u>	<u>Reason</u>	<u>Comment</u>
<u>E040</u>	<u>9/11/2013</u>	<u>19</u>	<u><1 d between storms</u>	<u>Sampler filled with storm water; collected Tuesday, 9/10/2013 between 18:54 MST and 19:10 MST. Next inspection at gage station was Thursday, 9/12/2013. Sampler was not reset to collect discharge from the 9/11/2013 storm that occurred between 01:10 and 04:00 MST.</u>
<u>E040</u>	<u>9/13/2013</u>	<u>830</u>	<u>Access restriction</u>	<u>Sampler filled with storm water; collected 9/12/2013. Next inspection at gage station after 9/13/2013 storm was 9/27/2013. Sampler was not reset to collect discharge from the 9/13/2013 storm.</u>
<u>E042.1</u>	<u>7/26/2013</u>	<u>17</u>	<u>Weekend storm</u>	<u>Sampler attempted but was unsuccessful at collection of storm water discharge on Friday, 7/26/2013. The next inspection at the gage station was Tuesday, 7/30/2013.</u>
<u>E042.1</u>	<u>7/26-7/27/2013</u>	<u>14</u>	<u>Weekend storm</u>	<u>Sampler attempted but was unsuccessful at collection of storm water discharge on Friday, 7/26/2013. The next inspection at the gage station was Tuesday, 7/30/2013. Sampler was not reset to collect discharge from the second storm on Friday, 7/26-7/27/2013.</u>
<u>E042.1</u>	<u>7/28/2013</u>	<u>31</u>	<u>Weekend storm</u>	<u>Sampler attempted but was unsuccessful at collection of storm water discharge on Friday, 7/26/2013. The next inspection at the gage station was Tuesday, 7/30/2013. Sampler was not reset to collect discharge from the storm on Sunday, 7/28/2013.</u>
<u>E042.1</u>	<u>9/11/2013</u>	<u>26</u>	<u>Sampler damaged</u>	<u>Sampler was functional during inspection on 9/11/2013 at 13:36 MST. Sampler was washed into Los Alamos weir during 9/13/2013 storm. Sampler reinstalled on 5/23/2014.</u>
<u>E042.1</u>	<u>9/12/2013</u>	<u>110</u>	<u>Sampler damaged</u>	<u>Sampler was washed into Los Alamos weir during 9/13/2013 storm. Sampler reinstalled on 5/23/2014.</u>
<u>E042.1</u>	<u>9/13/2013</u>	<u>740</u>	<u>Sampler damaged</u>	<u>Sampler was washed into Los Alamos weir during 9/13/2013 storm. Sampler reinstalled on 5/23/2014.</u>
<u>E042.1</u>	<u>9/22-9/23/2013</u>	<u>27</u>	<u>Sampler damaged</u>	<u>Sampler was washed into Los Alamos weir during 9/13/2013 storm. Sampler reinstalled on 5/23/2014.</u>
<u>E042.1</u>	<u>10/3-10/4/2013</u>	<u>16</u>	<u>Sampler damaged</u>	<u>Sampler was washed into Los Alamos weir during 9/13/2013 storm. Sampler reinstalled on 5/23/2014.</u>
<u>E050.1</u>	<u>9/13/2013</u>	<u>740</u>	<u><1 d between storms</u>	<u>Sampler filled with storm water collected 9/12/2013 between 17:54 and 21:05 MST. Next inspection at gage station after 9/13/2013 storm was 9/17/2013. Sampler was not reset to collect discharge from the 9/13/2013 storm that occurred between 06:40 and 10:30 MST.</u>
<u>E050.1</u>	<u>9/14/2013</u>	<u>48</u>	<u>Access restriction</u>	<u>Sampler filled with storm water collected 9/12/2013. Next inspection at gage station after 9/13/2013 storm was 9/17/2013. Sampler was not reset to collect discharge from the 9/14/2013 storm.</u>
<u>E050.1</u>	<u>9/21/2013</u>	<u>8.1</u>	<u>Operator error</u>	<u>Sampler filled with storm water collected 9/21/2013. Monitoring plan required analyses of SSC. Project operator incorrectly recommended collected water to be left on-site.</u>

Table 2.3-2 (continued)

<u>Station</u>	<u>Date</u>	<u>Discharge (cfs)</u>	<u>Reason</u>	<u>Comment</u>
<u>E050.1</u>	<u>9/22-9/23/2013</u>	<u>34</u>	<u>Weekend storm</u>	<u>Sampler filled with storm water collected Saturday, 9/21/2013. Next inspection at gage station was 10/11/2013. The sampler was not reset to collect discharge from the Sunday to Monday, 9/22-9/23/2013 storm.</u>
<u>E050.1</u>	<u>10/3-10/4/2013</u>	<u>6.7</u>	<u>Personnel availability</u>	<u>Sampler filled with storm water collected Saturday, 9/21/2013. Next inspection at gage station was 10/11/2013. The sampler was not reset to collect discharge from the 10/3–10/4/2013 storm.</u>
<u>E055</u>	<u>9/13/2013</u>	<u>80</u>	<u><1 d between storms</u>	<u>Sampler filled with storm water collected 9/12/2013 between 16:55 and 17:08 MST. Next inspection at gage station after 9/13/2013 storm was 9/18/2013. Sampler was not reset to collect discharge from the 9/13/2013 storm that occurred between 05:30 and 12:00 MST.</u>
<u>E056</u>	<u>9/13/2013</u>	<u>820</u>	<u><1 d between storms</u>	<u>Sampler filled with storm water collected 9/12/2013 between 16:25 and 16:49 MST. Next inspection at gage station after 9/13/2013 storm was 9/18/2013. Sampler was not reset to collect discharge from the 9/13/2013 storm that occurred between 05:30 and 12:00 MST.</u>
<u>E059</u>	<u>9/12/2013</u>	<u>59</u>	<u>Sampler damaged</u>	<u>Sampler inspection on 9/16/2013 found Greenlee, batteries and ISCO washed approximately 1 mi downstream from the 9/13/2013 storm.</u>
<u>E059</u>	<u>9/13/2013</u>	<u>1500</u>	<u>Sampler damaged</u>	<u>Sampler inspection on 9/16/2013 found Greenlee, batteries and ISCO washed approximately 1 mi downstream from the 9/13/2013 storm.</u>
<u>E060.1</u>	<u>9/13/2013</u>	<u>1400</u>	<u>Sampler damaged</u>	<u>Sampler overtopped by storm discharge on 9/13/2013. Sampler reinstalled on 5/23/2014.</u>
<u>E060.1</u>	<u>9/21/2013</u>	<u>5.7</u>	<u>Sampler damaged</u>	<u>Sampler overtopped by storm discharge on 9/13/2013. Sampler reinstalled on 5/23/2014.</u>
<u>E099</u>	<u>7/8/2013</u>	<u>32</u>	<u>Sampler intake isolated</u>	<u>Sampler was functional on 7/8/2013, but sampler could not collect discharge of 32 cfs because of isolation from flow.</u>
<u>E099</u>	<u>7/13/2013</u>	<u>1100</u>	<u>Weekend storm</u>	<u>Sampler filled with storm water collected Friday, 7/12/2013 between 13:10 and 16:20 MST. Next inspection at gage station was Wednesday, 7/17/2013. Sampler was not reset to collect discharge from the storm on Saturday, 7/13/2013, that occurred between 20:30 and 21:30 MST.</u>
<u>E099</u>	<u>8/9/2013</u>	<u>360</u>	<u>Access restriction</u>	<u>Letter dated 8/9/2013, Pueblo de San Ildefonso notified LANL that access to gage station E109.9 was being terminated. LANL self-imposed access restrictions to E099.</u>
<u>E099</u>	<u>8/20/2013</u>	<u>14</u>	<u>Access restriction</u>	<u>Letter dated 8/9/2013, Pueblo de San Ildefonso notified LANL that access to gage station E109.9 was being terminated. LANL self-imposed access restrictions to E099.</u>
<u>E099</u>	<u>8/30/2013</u>	<u>24</u>	<u>Access restriction</u>	<u>Letter dated 8/9/2013, Pueblo de San Ildefonso notified LANL that access to gage station E109.9 was being terminated. LANL self-imposed access restrictions to E099.</u>
<u>E099</u>	<u>9/2/2013</u>	<u>430</u>	<u>Access restriction</u>	<u>Letter dated 8/9/2013, Pueblo de San Ildefonso notified LANL that access to gage station E109.9 was being terminated. LANL self-imposed access restrictions to E099.</u>

Table 2.3-2 (continued)

<u>Station</u>	<u>Date</u>	<u>Discharge (cfs)</u>	<u>Reason</u>	<u>Comment</u>
<u>E099</u>	<u>9/12/2013</u>	<u>350</u>	<u>Access restriction</u>	<u>Letter dated 8/9/2013, Pueblo de San Ildefonso notified LANL that access to gage station E109.9 was being terminated. LANL self-imposed access restrictions to E099.</u>
<u>E099</u>	<u>9/13/2013</u>	<u>1600</u>	<u>Access restriction</u>	<u>Letter dated 8/9/2013, Pueblo de San Ildefonso notified LANL that access to gage station E109.9 was being terminated. LANL self-imposed access restrictions to E099.</u>
<u>E109.9</u>	<u>7/8/2013</u>	<u>110</u>	<u>ISCO program error</u>	<u>Sample bottles 7 and 8 missed.</u>
<u>E109.9</u>	<u>7/12/2013</u>	<u>180</u>	<u>ISCO program error</u>	<u>Sample bottles 7 and 8 missed.</u>
<u>E109.9</u>	<u>7/13/2013</u>	<u>250</u>	<u>Weekend storm</u>	<u>Sampler filled with storm water collected Friday, 7/12/2013, between 13:30 and 14:01 MST. Next inspection at gage station was Monday, 7/15/2013. Sampler was not reset to collect discharge from the storm on Saturday, 7/13/2013 that occurred between 15:20 on 7/13/2013 and 00:30 on 7/14/2013 MST.</u>
<u>E109.9</u>	<u>7/25/2013</u>	<u>100</u>	<u>ISCO program error</u>	<u>Sample bottles 7 and 8 missed.</u>
<u>E109.9</u>	<u>7/28/2013</u>	<u>70</u>	<u>Weekend storm</u>	<u>Sampler filled with storm water collected Friday, 7/26/2013. Next inspection at gage station was Monday, 7/29/2013. Sampler was not reset to collect discharge from the storm on Sunday, 7/28/2013.</u>
<u>E109.9</u>	<u>8/3/2013</u>	<u>950</u>	<u>ISCO program error</u>	<u>Sample bottles 7 and 8 missed.</u>
<u>E109.9</u>	<u>8/4/2013</u>	<u>68</u>	<u>Weekend storm</u>	<u>Sampler filled with storm water collected Saturday, 8/3/2013. Next inspection at gage station was Monday, 8/5/2013. Sampler was not reset to collect discharge from the storm on Sunday, 8/4/2013.</u>
<u>E109.9</u>	<u>8/20/2013</u>	<u>42</u>	<u>Access restriction</u>	<u>Sampler filled with storm water collected 8/9/2013. Next inspection at gage station was 9/11/2013. Sampler was not reset to collect discharge from the 8/20/2013 storm.</u>
<u>E109.9</u>	<u>8/30/2013</u>	<u>150</u>	<u>Access restriction</u>	<u>Sampler filled with storm water collected 8/9/2013. Next inspection at gage station was 9/11/2013. Sampler was not reset to collect discharge from the 8/30/2013 storm.</u>
<u>E109.9</u>	<u>9/2/2013</u>	<u>310</u>	<u>Access restriction</u>	<u>Sampler filled with storm water collected 8/9/2013. Next inspection at gage station was 9/11/2013. Sampler was not reset to collect discharge from the 9/2/2013 storm.</u>
<u>E109.9</u>	<u>9/10/2013</u>	<u>130</u>	<u>Access restriction</u>	<u>Sampler filled with storm water collected 8/9/2013. Next inspection at gage station was 9/11/2013. Sampler was not reset to collect discharge from the 9/10/2013 storm.</u>
<u>E109.9</u>	<u>9/11/2013</u>	<u>65</u>	<u><1 d between access granted and storm</u>	<u>Sampler filled with storm water collected 8/9/2013 between 15:40 and 17:17 MST. Temporary access approved 9/10/2013. Next inspection at gage station was 9/11/2013 at 15:35 MST. Sampler was not reset to collect discharge from the storm on 9/11/2013, which peaked at approximately 01:15 MST.</u>
<u>E109.9</u>	<u>9/13/2013</u>	<u>5000 (estimated)</u>	<u>Sampler damaged</u>	<u>Sampler recorded sample collection on 9/12/2013. Sampler overtopped by storm discharge on 9/13/2013. Temporary access approved 9/24/2013 to retrieve sampling equipment and samples.</u>

Table 2.4-1
Locations and Analytical Suites for Storm Water Samples

Monitoring Group	Locations	Analytical Suites ^{a,b}
Upper Los Alamos Canyon	E026, E030	PCBs (by Method 1668A), gamma spectroscopy radionuclides, isotopic plutonium, isotopic uranium, americium-241 (by alpha spectroscopy), dioxins and furans, strontium-90, TAL metals, hardness ^c , cyanide, SSC, particle size
DP Canyon gages	E038, E039.1, E040	PCBs (by Method 1668A), gamma spectroscopy radionuclides, isotopic plutonium, isotopic uranium, strontium-90, TAL metals, hardness, SSC, particle size
Upper Pueblo Canyon and Acid Canyon gages	E055, E055.5, E056	PCBs (by Method 1668A), isotopic plutonium, TAL metals, hardness, SSC, particle size
Fire-affected lower watershed gages	E042.1, E050.1, E109.9	PCBs (by Method 1668A), isotopic plutonium, gamma spectroscopy radionuclides, isotopic uranium, americium-241 (by alpha spectroscopy), dioxins and furans, strontium-90, TAL metals, hardness, cyanide, SSC, particle size
Lower Pueblo Canyon gages	E059, E060.1	PCBs (by Method 1668A), isotopic plutonium, gamma spectroscopy radionuclides, isotopic uranium, americium-241 (by alpha spectroscopy), strontium-90, TAL metals, hardness, SSC, particle size
Detention basins and wetland below the SWMU 01-001(f) drainage	CO101038, CO111041	PCBs (by Method 1668A), TAL metals, hardness, isotopic uranium, total organic carbon, SSC
BDD ^d -Required Monitoring	E050.1, E060.1, E109.9	PCBs (by Method 1668A), gamma spectroscopy radionuclides, isotopic plutonium, isotopic uranium, americium-241 (by alpha spectroscopy), strontium-90, gross alpha, gross beta, radium-226/radium-228, TAL metals, mercury, hardness, SSC

^a Suites are listed in order of priority to guide analysis of limited water volume. SSC is independent of prioritization because it is derived from separate sample bottles.

^b Radionuclides will be analyzed in filtered and unfiltered samples at E109.9.

^c Hardness is calculated from calcium and magnesium, components of the TAL list.

^d BDD = Buckman Direct Diversion. Analytes requested in addition to the analytical suites assigned to gage stations E050.1, E060.1, and E109.9.

Table 2.4-2
Analytical Requirements for Storm Water Samples

Analytical Suite	Method	Detection Limit ^a	Upper Los Alamos Canyon	DP Canyon	Upper Pueblo Canyon and Acid Canyon	Fire Affected Lower Watershed	Lower Pueblo Canyon	BDD ^b Required Monitoring	Detention Basins below the SWMU 01-001(f) Drainage
PCBs ^c	EPA:1668A	25 pg/L	√ ^d	√	√	√	√	— ^e	√
Isotopic plutonium	HASL-300	0.5 pCi/L	√	√	√	√	√	—	—
Gamma spectroscopy	EPA:901.1	10 pCi/L (cesium-137)	√	√	—	√	√	—	—
Isotopic uranium	HASL-300	0.5 pCi/L	√	√	—	√	√	—	√
Americium-241	HASL-300	0.5 pCi/L	√	—	—	√	√	—	—
Strontium-90	EPA:905.0	0.5 pCi/L	√	√	—	√	√	—	—
TAL ^f metals	EPA:200.7/200.8/245.2	Variable	√	√	√	√	√	—	√
Cyanide	EPA:335.4	1.5 µg/L	√	—	—	√	—	—	—
Dioxins and furans	EPA:1613B	50 pg/L	√	—	—	√	—	—	—
Gross alpha	EPA:900	10 pCi/L	—	—	—	—	—	√	—
Gross beta	EPA:900	10 pCi/L	—	—	—	—	—	√	—
Radium-226/radium-228	EPA:903.1/EPA:904	0.5/0.5 pCi/L	—	—	—	—	—	√	—
SSC	EPA:160.2	10 mg/L	√	√	√	√	√	—	√
Total organic carbon	SW-846:9060	0.5 mg/L	—	—	—	—	—	—	√
Particle size	ASTM:C1070	0.01%	√	√	√	√	√	—	—

^a MDL or MDA for radionuclides.^b BDD = Buckman Direct Diversion.^c PCBs = Polychlorinated biphenyls.^d √ = Monitoring planned.^e — = Monitoring not planned.^f Hardness is calculated from calcium and magnesium, components of the TAL list.

Table 2.4-3
Factors Contributing to Analytical Suite Prioritization

Upper Los Alamos Canyon Gages	Priority	Analytical Suite	Glass Bottle	Polyethylene Bottle	Minimum Volume Required (L)
E026, E030, E038, E039.1, E040	1	PCBs	Yes	No	1
	2	Gamma spectroscopy, Iso Pu, Iso U, Am-241 ^a	Yes	Yes	1
	3	Dioxins and furans	Yes	No	1
	4	Strontium-90	Yes	Yes	1
	5	TAL Metals + B + U (F/UF ^b)	No	Yes	0.25/0.25
	6	Cyanide ^a	Yes	Yes	0.25
Upper Pueblo Canyon Gages					
E055, E055.5, E056	1	PCBs	Yes	No	1
	2	Iso Pu	Yes	Yes	1
	3	TAL Metals + B + U (F/UF)	No	Yes	0.25/0.25
E042.1, E050.1, E059, E060.1, E109.9	1	PCBs	Yes	No	1
	2	Gamma spectroscopy, Iso Pu, Iso U, Am-241	Yes	Yes	1
	3	Dioxins and furans	Yes	No	1
	4	Strontium-90	Yes	Yes	1
	5	TAL Metals + B + U (F/UF)	No	Yes	0.25/0.25
	6	Cyanide ^a	Yes	Yes	0.25
Retention Basin and Vegetated Buffer below the SWMU 01-001(f) Drainage					
CO111041, CO101038	1	PCBs	Yes	No	1
	2	TAL Metals + B + U (F/UF)	No	Yes	0.25/0.25
	3	Iso U	Yes	Yes	1
	4	Total organic carbon	Yes	Yes	0.04

^a Americium-241 and cyanide were added to analytical suite in response to the Las Conchas fire.

^b F/UF = Analyses of both filtered (F) and unfiltered (UF) splits.

Table 2.4-4
Planned and Actual Analyses

CO111038 Sampler at the culvert at the terminus of the Vegetative Buffer below the lower basin, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suite	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	11:33	Trigger	SSC, Particle Size
2	Trigger + 1	PCB (UF ^a)	11:34	Trigger + 1	PCB Congener (UF)
3	Trigger + 2	PCB (UF)			
4	Trigger + 3	TAL metals (F ^b /UF)	11:36	Trigger + 3	TAL metals (F)
			11:37	Trigger + 4	TAL metals (UF)
5	Trigger + 4	Isotopic uranium (UF)	11:38	Trigger + 5	Isotopic uranium (UF)
6	Trigger + 5	TOC ^c (UF)	11:39	Trigger + 6	SSC
7	Trigger + 6	Extra bottle	11:40	Trigger + 7	SO4, Cl ⁻ (F)
8	Trigger + 7	Extra bottle	11:41	Trigger + 8	Alkalinity, pH (UF)
9	Trigger + 8	Extra bottle	11:42	Trigger + 9	DOC(F)
10	Trigger + 9	Extra bottle	11:43	Trigger + 10	SSC
11	Trigger + 10	Extra bottle	11:44	Trigger + 11	TOC (UF)
12	Trigger + 11	Extra bottle	Remaining sample not retrieved for analysis.		
CO111038 Sampler at the culvert at the terminus of the Vegetative Buffer below the lower basin, Sampled 9/18/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suite	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	13:30	Trigger	SSC, Particle Size
2	Trigger + 1	PCB (UF)	13:31	Trigger + 1	PCB Congener (UF)
3	Trigger + 2	PCB (UF)			
4	Trigger + 3	TAL metals (F/UF)	13:33	Trigger + 3	TAL metals (F)
			13:34	Trigger + 4	TAL metals (UF)
5	Trigger + 4	Isotopic uranium (UF)	13:35	Trigger + 5	Isotopic uranium (UF)
6	Trigger + 5	TOC (UF)	13:38	Trigger + 8	TOC (UF)
7	Trigger + 6	Extra bottle	13:39	Trigger + 9	DOC (F)
8	Trigger + 7	Extra bottle	13:40	Trigger + 10	SO4, Cl ⁻ (F)
9	Trigger + 8	Extra bottle	13:41	Trigger + 11	Alkalinity, pH (UF)
10	Trigger + 9	Extra bottle	Remaining samples not retrieved for analysis.		

Table 2.4-4 (continued)

CO111041 Sampler at Inlet to Upper Detention Pond below LA-2, Sampled 6/14/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suite	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	12:40	Trigger	SSC, Particle Size
2	Trigger + 1	PCB (UF)	12:41	Trigger + 1	TOC (UF)
3	Trigger + 2	PCB (UF)	12:43	Trigger + 3	TAL metals (F/UF)
4	Trigger + 3	TAL metals (F/UF)			
5	Trigger + 4	Isotopic uranium (UF)	12:51	Trigger + 11	Isotopic uranium (UF)
6	Trigger + 5	TOC (UF)			
7	Trigger + 6	Extra bottle	12:53	Trigger + 13	PCB Congener (UF)
8	Trigger + 7	Extra bottle			
9	Trigger + 8	Extra bottle	13:15	Trigger + 35	Alkalinity, pH
10	Trigger + 9	Extra bottle			
11	Trigger + 10	Extra bottle	13:24	Trigger + 44	SO4, Cl ⁻ (F)
12	Trigger + 11	Extra bottle			
CO111041 Sampler at Inlet to Upper Detention Pond below LA-2, Sampled 6/30/2013 and 7/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suite	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	6/30/2013 14:57	Trigger	PCB Congener (UF)
2	Trigger + 1	PCB (UF)	6/30/2013 15:00	Trigger + 3	SSC, Particle Size
3	Trigger + 2	PCB (UF)			
4	Trigger + 3	TAL metals (F/UF)	6/30/2013 15:01	Trigger + 4	TAL metals (F/UF)
5	Trigger + 4	Isotopic uranium (UF)	6/30/2013 15:02	Trigger + 5	Isotopic uranium (UF)
6	Trigger + 5	TOC (UF)	6/30/2013 15:03	Trigger + 6	TOC (UF)
7	Trigger + 6	Extra bottle	6/30/2013 15:04	Trigger + 7	SSC
8	Trigger + 7	Extra bottle	7/5/2013 00:14	Trigger	PCB Congener (UF)
9	Trigger + 8	Extra bottle	7/5/2013 00:16	Trigger + 2	SSC, Particle Size
10	Trigger + 9	Extra bottle	7/5/2013 00:16	Trigger + 2	TAL metals (F/UF)
11	Trigger + 10	Extra bottle	7/5/2013 00:17	Trigger + 3	SSC
12	Trigger + 11	Extra bottle	Storm water flow ended, no further samples collected.		

Table 2.4-4 (continued)

CO111041 Sampler at Inlet to Upper Detention Pond below LA-2, Sampled 7/12/2013 and 7/13/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suite	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	7/12/2013 11:21	Trigger	SSC, Particle Size
2	Trigger +1	PCB (UF)	7/12/2013 11:22	Trigger + 1	DOC (F), TOC (UF)
3	Trigger +2	PCB (UF)	7/12/2013 11:23	Trigger + 2	SSC
4	Trigger +3	TAL metals (F/UF)	7/12/2013 11:24	Trigger + 3	TAL metals (F/UF)
5	Trigger +4	Isotopic uranium (UF)	7/12/2013 11:25	Trigger + 4	Isotopic uranium (UF)
6	Trigger +5	TOC (UF)			
7	Trigger + 6	SSC	7/12/2013 11:38	Trigger + 17	PCB Congener (UF)
8	Trigger + 7	Extra bottle			
9	Trigger + 8	Extra bottle	7/12/2013 11:39	Trigger + 18	Alkalinity, pH, (UF)
10	Trigger + 9	Extra bottle	7/13/2013 13:32	Trigger	SO4, Cl ⁻ (F)
11	Trigger + 10	Extra bottle	7/13/2013 13:33	Trigger + 1	SSC
12	Trigger + 11	Extra bottle	7/13/2013 13:34	Trigger + 2	SSC
CO111041 Sampler at Inlet to Upper Detention Pond below LA-2, Sampled 7/28/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suite	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	15:18	Trigger	SSC, Particle Size PCB Congener (UF) Isotopic uranium (UF), TAL metals (F/UF)
2	Trigger +1	PCB (UF)			
3	Trigger +2	PCB (UF)			
4	Trigger +3	TAL metals (F/UF)			
5	Trigger +4	Isotopic uranium (UF)			
6	Trigger +5	TOC (UF)	Storm water flow ended, no further samples collected.		

Table 2.4-4 (continued)

CO111041 Sampler at Inlet to Upper Detention Pond below LA-2, Sampled 8/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suite	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	13:03	Trigger	TSS
2	Trigger + 1	PCB (UF)	13:05	Trigger + 2	TSS
3	Trigger + 2	PCB (UF)	13:05	Trigger + 2	TSS
4	Trigger + 3	TAL metals (F/UF)	13:06	Trigger + 3	TSS
5	Trigger + 4	Isotopic uranium (UF)	13:07	Trigger + 4	TSS
6	Trigger + 5	TOC (UF)	13:13	Trigger + 10	TSS
7	Trigger + 6	Extra bottle	13:15	Trigger + 12	TSS
8	Trigger + 7	Extra bottle	13:33	Trigger + 30	TSS
9	Trigger + 8	Extra bottle	13:43	Trigger + 40	SSC
10	Trigger + 9	Extra bottle	Remaining samples not retrieved for analysis.		
CO111041 Sampler at Inlet to Upper Detention Pond below LA-2, Sampled 8/9/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suite	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	13:34	Trigger	SSC,
2	Trigger + 1	PCB (UF)	13:41	Trigger + 7	TSS
3	Trigger + 2	PCB (UF)	13:42	Trigger + 8	TSS
4	Trigger + 3	TAL metals (F/UF)	13:44	Trigger + 10	TSS
5	Trigger + 4	Isotopic uranium (UF)	13:45	Trigger + 11	TSS
6	Trigger + 5	TOC (UF)	13:46	Trigger + 12	TSS
7	Trigger + 6	Extra bottle	Storm water flow ended, no further samples collected.		

Table 2.4-4 (continued)

CO111041 Sampler at Inlet to Upper Detention Pond below LA-2, Sampled 9/10/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suite	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	10:34	Trigger	SSC
2	Trigger + 1	PCB (UF)	10:35	Trigger + 1	TSS
3	Trigger + 2	PCB (UF)	10:36	Trigger + 2	TSS
4	Trigger + 3	TAL metals (F/UF)	10:37	Trigger + 3	TSS
5	Trigger + 4	Isotopic uranium (UF)	10:38	Trigger + 4	TSS
6	Trigger + 5	TOC (UF)	10:39	Trigger + 5	TSS
7	Trigger + 6	Extra bottle	10:40	Trigger + 6	TSS
8	Trigger + 7	Extra bottle	10:41	Trigger + 7	TSS
9	Trigger + 8	Extra bottle	10:57	Trigger + 23	TSS
10	Trigger + 9	Extra bottle	Remaining samples not retrieved for analysis.		
E026, Sampler at Los Alamos below Ice Rink, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	17:10	Max +10	PCB Congener (UF)
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)	17:13	Max + 13	Gamma (UF)
4	Max+13	Americium-241; isotopic plutonium; isotopic uranium (UF)	Sampling attempted but collection not successful.		
5	Max+14	Americium-241; isotopic plutonium; isotopic uranium (UF)			
6	Max+15	Strontium-90 (UF)			
7	Max+16	Dioxins and furans (UF)	17:26	Max + 26	Dioxins and furans (UF)
8	Max+17	Dioxins and furans (UF)	Sampling attempted but collection not successful.		
9	Max+18	TAL metals (F/UF)			
10	Max+19	Cyanide (UF)			
11	Max+20	Extra bottle			
12	Max+21	Extra bottle			

Table 2.4-4 (continued)

E026, Sampler at Los Alamos below Ice Rink, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	16:49	Trigger + 0	SSC
2	Trigger+2	SSC	16:51	Trigger + 2	SSC
3	Trigger+4	SSC	16:53	Trigger + 4	SSC
4	Trigger+6	SSC	16:55	Trigger + 6	SSC
5	Trigger+8	SSC	16:57	Trigger + 8	Metals (F)
6	Trigger+10	SSC	16:59	Trigger + 10	Metals (UF)
7	Trigger+12	SSC	17:01	Trigger + 12	DOC
8	Trigger+14	SSC	17:03	Trigger + 14	SO ₄ , Cl ⁻ (F)
9	Trigger+16	SSC	17:05	Trigger + 16	Alkalinity, pH
10	Trigger+18	SSC; particle size	17:07	Trigger + 18	SSC, particle size
11	Trigger+20	SSC	17:09	Trigger + 20	Americium-241; isotopic plutonium; isotopic uranium (UF)
12	Trigger+22	SSC			
13	Trigger+24	SSC	17:13	Trigger + 24	Gamma spectroscopy(UF)
14	Trigger+26	SSC	17:15	Trigger + 26	Strontium-90 (UF)
15	Trigger+28	SSC	Sampling attempted but collection not successful.		
16	Trigger+30	SSC	17:19	Trigger + 30	Cyanide (UF)
17	Trigger+50	SSC	17:39	Trigger + 50	SSC
18	Trigger+70	SSC	17:59	Trigger + 70	SSC
19	Trigger+90	SSC	18:19	Trigger + 90	SSC
20	Trigger+110	SSC	18:39	Trigger + 110	SSC
21	Trigger+130	SSC	18:59	Trigger + 130	SSC
22	Trigger+150	SSC	19:19	Trigger + 150	SSC
23	Trigger+170	SSC	19:39	Trigger + 170	SSC
24	Trigger+190	SSC	19:59	Trigger + 190	SSC

Table 2.4-4 (continued)

E030, Los Alamos above DP, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC, particle size	12:30	Max+10	SSC, particle size
2	Max+11	PCB (UF)	12:31	Max+11	PCB (UF)
3	Max+12	PCB (UF)			
4	Max+13	Gamma spectroscopy (UF)	12:33	Max+13	Gamma spectroscopy(UF)
5	Max+14	Americium-241; isotopic plutonium; isotopic uranium (UF)	12:34	Max+14	Americium-241; isotopic plutonium; isotopic uranium (UF)
6	Max+15	Americium-241; isotopic plutonium; isotopic uranium (UF)			
7	Max+16	Strontium-90 (UF)	12:37	Max+17	Strontium-90 (UF)
8	Max+17	Dioxins and furans (UF)	12:38	Max+18	Dioxins and furans (UF)
9	Max+18	Dioxins and furans (UF)			
10	Max+19	TAL metals (F/UF)	12:40	Max+20	TAL metals (F/UF)
11	Max+20	Cyanide (UF)	12:41	Max+21	Cyanide (UF)
12	Max+21	SSC, particle size	12:42	Max+22	SSC, particle size

Table 2.4-4 (continued)

E030, Los Alamos above DP, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC, particle size	18:19	Max+10	SSC
2	Max+11	PCB (UF)	18:21	Max+12	PCB (UF)
3	Max+12	PCB (UF)			
4	Max+13	Gamma spectroscopy(UF)	18:23	Max+14	Gamma spectroscopy(UF)
5	Max+14	Americium-241; isotopic plutonium; isotopic uranium (UF)	18:24	Max+15	Americium-241; isotopic plutonium; isotopic uranium (UF)
6	Max+15	Americium-241; isotopic plutonium; isotopic uranium (UF)			
7	Max+16	Strontium-90 (UF)	18:26	Max+17	Strontium-90 (UF)
8	Max+17	Dioxins and furans (UF)	18:28	Max+19	Dioxins and furans (UF)
9	Max+18	Dioxins and furans (UF)			
10	Max+19	TAL metals (F/UF)	18:30	Max+21	TAL metals (F/UF)
11	Max+20	Cyanide (UF)	18:31	Max+22	Cyanide (UF)
12	Max+21	SSC, particle size	18:32	Max+23	SSC

Table 2.4-4 (continued)

E040, DP above Los Alamos, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC, particle size	12:15	Max+10	Gamma spectroscopy(UF)
2	Max+11	PCB (UF)	12:16	Max+11	SSC
3	Max+12	PCB (UF)	Sampling attempted but collection not successful.		
4	Max+13	Gamma spectroscopy (UF)			
5	Max+14	Isotopic plutonium; isotopic uranium (UF)			
6	Max+15	Isotopic plutonium; isotopic uranium (UF)			
7	Max+16	Strontium-90 (UF)			
8	Max+17	TAL metals (F/UF)			
9	Max+18	SSC, particle size			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			
E040, DP above Los Alamos, Sampled 8/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC, particle size	14:24	Max+10	SSC, particle size
2	Max+11	PCB (UF)	14:26	Max+12	PCB UF
3	Max+12	PCB (UF)			
4	Max+13	Gamma spectroscopy (UF)	14:28	Max+14	Gamma spectroscopy(UF)
5	Max+14	Isotopic plutonium; isotopic uranium (UF)	14:29	Max+15	Isotopic plutonium; isotopic uranium (UF)
6	Max+15	Isotopic plutonium; isotopic uranium (UF)			
7	Max+16	Strontium-90 (UF)	14:31	Max+17	Strontium-90 (UF)
8	Max+17	TAL metals (F/UF)	14:32	Max+18	TAL metals (F/UF)
9	Max+18	SSC, particle size	14:33	Max+19	Alkalinity, pH (UF)
10	Max+19	Extra Bottle	14:34	Max+20	SO4, Cl ⁻ (F)
11	Max+20	Extra Bottle	14:36	Max+22	DOC (F)
12	Max+21	Extra Bottle	14:37	Max+23	SSC

Table 2.4-4 (continued)

E040, DP above Los Alamos, Sampled 9/10/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC, particle size	18:54	Max+10	SSC, particle size
2	Max+11	PCB (UF)	18:55	Max+11	PCB (UF)
3	Max+12	PCB (UF)			
4	Max+13	Gamma spectroscopy(UF)	18:58	Max+14	Gamma spectroscopy (UF)
5	Max+14	Isotopic plutonium; isotopic uranium (UF)	18:59	Max+15	Isotopic plutonium; isotopic uranium (UF)
6	Max+15	Isotopic plutonium; isotopic uranium (UF)			
7	Max+16	Strontium-90 (UF)	19:02	Max+18	Strontium-90 (UF)
8	Max+17	TAL metals (F/UF)	19:03	Max+19	Alkalinity, pH
9	Max+18	SSC, particle size	19:05	Max+21	SO ₄ , Cl ⁻ , DOC (F)
10	Max+19	Extra Bottle	19:06	Max+22	TAL metals (UF)
11	Max+20	Extra Bottle	19:07	Max+23	TAL metals (F)
12	Max+21	Extra Bottle	19:09	Max+25	SSC
E040, DP above Los Alamos, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC, particle size	16:14	Sampling attempted but collection not successful.	
2	Max+11	PCB (UF)	16:15	Max+11	PCB (UF)
3	Max+12	PCB (UF)			
4	Max+13	Gamma spectroscopy (UF)	16:17	Max+13	SSC, particle size
5	Max+14	Isotopic plutonium; isotopic uranium (UF)	16:18	Max+14	Gamma spectroscopy(UF)
6	Max+15	Isotopic plutonium; isotopic uranium (UF)	16:20	Max+16	Isotopic plutonium; isotopic uranium (UF)
7	Max+16	Strontium-90 (UF)			
8	Max+17	TAL metals (F/UF)	16:22	Max+18	Dioxins/Furans
9	Max+18	SSC, particle size			
10	Max+19	Extra Bottle	16:24	Max+20	TAL metals (F/UF)
11	Max+20	Extra Bottle	16:25	Max+21	Cyanide (total)
12	Max+21	Extra Bottle	16:26	Max+22	SSC, particle size

Table 2.4-4 (continued)

E055, Pueblo above Acid, Sampled 6/14/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC (UF); particle size	13:45	Max+10	SSC (UF); particle size
2	Max+11	PCB (UF)	13:46	Max+11	PCB (UF)
3	Max+12	PCB (UF)			
4	Max+13	Isotopic plutonium (UF)	13:48	Max+13	Isotopic plutonium (UF)
5	Max+14	TAL metals (F/UF)			
6	Max+15	SSC			
7	Max+16	Extra bottle	13:52	Max+17	TAL metals (UF)
8	Max+17	Extra bottle	13:53	Max+18	TAL metals (F)
9	Max+18	Extra bottle	13:54	Max+19	Alkalinity, pH (UF)
10	Max+19	Extra bottle	13:55	Max+20	SO ₄ , Cl ⁻ (F)
11	Max+20	Extra bottle	13:56	Max+21	DOC (F)
12	Max+21	Extra bottle	13:57	Max+22	SSC
E055, Pueblo above Acid, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC (UF); particle size	16:55	Max+10	SSC (UF); particle size
2	Max+11	PCB (UF)	16:56	Max+11	PCB (UF)
3	Max+12	PCB (UF)			
4	Max+13	Isotopic plutonium (UF)	16:58	Max+13	Isotopic plutonium (UF)
5	Max+14	TAL metals (F/UF)	17:00	Max+15	TAL metals (F/UF)
6	Max+15	SSC	17:01	Max+16	SSC
7	Max+16	Extra bottle	17:02	Max+17	DOC (F)
8	Max+17	Extra bottle	17:03	Max+18	SO ₄ , Cl ⁻ (F)
9	Max+18	Extra bottle	17:04	Max+19	Alkalinity, pH (UF)
10	Max+19	Extra bottle	Remaining samples not retrieved for analysis.		
11	Max+20	Extra bottle			
12	Max+21	Extra bottle			

Table 2.4-4 (continued)

E055.5, South Fork of Acid Canyon, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC (UF); particle size	11:50	Max+10	SSC (UF); particle size
2	Max+11	PCB (UF)	11:52	Max+12	PCB (UF)
3	Max+12	PCB (UF)			
4	Max+13	Isotopic plutonium (UF)	11:56	Max+16	Isotopic plutonium (UF)
5	Max+14	TAL metals (F/UF)	11:57	Max+17	TAL metals (F/UF)
6	Max+15	SSC	11:59	Max+19	SSC
7	Max+16	Extra bottle	Sampling attempted but collection not successful.		
8	Max+17	Extra bottle			
9	Max+18	Extra bottle			
10	Max+19	Extra bottle			
11	Max+20	Extra bottle			
12	Max+21	Extra bottle			
E055.5, South Fork of Acid Canyon, Sampled 9/13/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC (UF); particle size	06:55	Max+10	SSC (UF); particle size
2	Max+11	PCB (UF)	06:57	Max+12	PCB (UF)
3	Max+12	PCB (UF)			
4	Max+13	Isotopic plutonium (UF)	07:01	Max+16	Isotopic plutonium (UF)
5	Max+14	TAL metals (F/UF)	07:03	Max+18	TAL metals (F/UF)
6	Max+15	SSC	07:05	Max+20	SSC
7	Max+16	Extra bottle	07:06	Max+21	SO4, Cl-, DOC (F)
8	Max+17	Extra bottle	07:08	Max+23	Alkalinity, pH (UF)
9	Max+18	Extra bottle	Sampling attempted but collection not successful.		
10	Max+19	Extra bottle			
11	Max+20	Extra bottle			
12	Max+21	Extra bottle			

Table 2.4-4 (continued)

E056, Acid above Pueblo, Sampled 6/14/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC (UF); particle size	13:40	Max+10	SSC, particle size, TAL metals (F/UF)
2	Max+11	PCB (UF)	Sampling attempted but collection not successful.		
3	Max+12	PCB (UF)			
4	Max+13	Isotopic plutonium (UF)			
5	Max+14	TAL metals (F/UF)			
6	Max+15	SSC			
7	Max+16	Extra bottle			
8	Max+17	Extra bottle			
9	Max+18	Extra bottle			
10	Max+19	Extra bottle			
11	Max+20	Extra bottle			
12	Max+21	Extra bottle			
E056, Acid above Pueblo, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC; particle size	12:00	Max+10	SSC; particle size
2	Max+11	PCB (UF)	12:02	Max+12	PCB (UF)
3	Max+12	PCB (UF)			
4	Max+13	Isotopic plutonium (UF)	12:04	Max+14	Isotopic plutonium (UF)
5	Max+14	TAL metals (F/UF)	12:05	Max+15	TAL metals (F/UF)
6	Max+15	SSC	12:06	Max+16	SSC
7	Max+16	Extra bottle	12:07	Max+17	DOC (F)
8	Max+17	Extra bottle	12:09	Max+19	SO4, Cl ⁻ (F)
9	Max+18	Extra bottle	12:10	Max+20	Alkalinity, pH (UF)
10	Max+19	Extra bottle	Remaining samples not retrieved for analysis.		
11	Max+20	Extra bottle			
12	Max+21	Extra bottle			

Table 2.4-4 (continued)

E056, Acid above Pueblo, Sampled 8/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC; particle size	13:45	Max+10	SSC; particle size
2	Max+11	PCB (UF)	13:46	Max+11	PCB (UF)
3	Max+12	PCB (UF)			
4	Max+13	Isotopic plutonium (UF)	13:49	Max+14	Isotopic plutonium (UF)
5	Max+14	TAL metals (F/UF)	13:50	Max+15	TAL metals (F/UF)
6	Max+15	SSC	13:52	Max+17	SSC
7	Max+16	Extra bottle	13:53	Max+18	DOC (F)
8	Max+17	Extra bottle	13:54	Max+19	SO4, Cl ⁻ (F)
9	Max+18	Extra bottle	13:55	Max+20	Alkalinity, pH (UF)
10	Max+19	Extra bottle	Remaining samples not retrieved for analysis.		
11	Max+20	Extra bottle			
12	Max+21	Extra bottle			
E056, Acid above Pueblo, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	SSC; particle size	16:25	Max+10	SSC; particle size
2	Max+11	PCB (UF)	16:27	Max+12	PCB (UF)
3	Max+12	PCB (UF)			
4	Max+13	Isotopic plutonium (UF)	16:30	Max+15	Isotopic plutonium (UF)
5	Max+14	TAL metals (F/UF)	16:33	Max+18	TAL metals (F/UF)
6	Max+15	SSC	16:35	Max+20	SSC
7	Max+16	Extra bottle	16:37	Max+22	DOC (F)
8	Max+17	Extra bottle	16:38	Max+23	SO4, Cl ⁻ (F)
9	Max+18	Extra bottle	16:40	Max+25	Alkalinity, pH (UF)
10	Max+19	Extra bottle	Remaining samples not retrieved for analysis.		
11	Max+20	Extra bottle			
12	Max+21	Extra bottle			

Table 2.4-4 (continued)

E038, DP above TA-21, Sampled 6/14/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	12:55	Max+10	PCB (UF)
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)	12:58	Max+13	TAL metals (F/UF)
4	Max+13	Isotopic uranium; isotopic plutonium (UF)	12:59	Max+14	Isotopic uranium; isotopic plutonium (UF)
5	Max+14	Isotopic uranium; isotopic plutonium (UF)			
6	Max+15	Strontium-90 (UF)	13:01	Max+16	Strontium-90 (UF)
7	Max+16	TAL metals (F/UF)	13:02	Max+17	Gamma spectroscopy (UF)
8	Max+17	Extra bottle	Remaining samples not retrieved for analysis.		
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			
E038, DP above TA-21, Sampled 6/30/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	15:15	Max+10	PCB (UF)
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)	15:18	Max+13	Gamma spectroscopy (UF)
4	Max+13	Isotopic uranium; isotopic plutonium (UF)	15:19	Max+14	Isotopic uranium; isotopic plutonium (UF)
5	Max+14	Isotopic uranium; isotopic plutonium (UF)			
6	Max+15	Strontium-90 (UF)	15:21	Max+16	Strontium-90 (UF)
7	Max+16	TAL metals (F/UF)	15:22	Max+17	TAL metals (F/UF)
8	Max+17	Extra bottle	Remaining samples not retrieved for analysis.		
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			

Table 2.4-4 (continued)

E038, DP above TA-21, Sampled 6/14/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	12:45	Trigger+0	SSC
2	Trigger+2	SSC	12:47	Trigger+2	SSC
3	Trigger+4	SSC	12:49	Trigger+4	SSC
4	Trigger+6	SSC	12:51	Trigger+6	SSC
5	Trigger+8	SSC	12:53	Trigger+8	SSC; particle size
6	Trigger+10	SSC	12:55	Trigger+10	DOC (F)
7	Trigger+12	SSC	12:57	Trigger+12	SO ₄ , Cl ⁻ (F)
8	Trigger+14	SSC	12:59	Trigger+14	Alk, pH (UF)
9	Trigger+16	SSC	13:01	Trigger+16	SSC
10	Trigger+18	SSC; particle size	13:03	Trigger+18	SSC
11	Trigger+20	SSC	13:05	Trigger+20	SSC
12	Trigger+22	SSC	13:07	Trigger+22	SSC
13	Trigger+24	SSC	13:09	Trigger+24	SSC
14	Trigger+26	SSC	13:11	Trigger+26	SSC
15	Trigger+28	SSC	13:13	Trigger+28	SSC
16	Trigger+30	SSC	13:15	Trigger+30	SSC
17	Trigger+50	SSC	13:35	Trigger+50	SSC
18	Trigger+70	SSC	13:55	Trigger+70	SSC
19	Trigger+90	SSC	14:15	Trigger+90	SSC
20	Trigger+110	SSC	14:35	Trigger+110	SSC
21	Trigger+130	SSC	14:55	Trigger+130	SSC
22	Trigger+150	SSC	15:15	Trigger+150	SSC
23	Trigger+170	SSC	Sampling attempted but collection not successful.		
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E038, DP above TA-21, Sampled 6/30/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	15:00	Trigger+0	SSC
2	Trigger+2	SSC	15:02	Trigger+2	Gamma spectroscopy (UF)
3	Trigger+4	SSC	15:04	Trigger+4	Isotopic plutonium (UF)
4	Trigger+6	SSC	15:06	Trigger+6	SSC
5	Trigger+8	SSC	15:08	Trigger+8	SSC
6	Trigger+10	SSC	15:10	Trigger+10	SSC
7	Trigger+12	SSC	15:12	Trigger+12	SSC
8	Trigger+14	SSC	15:14	Trigger+14	SSC
9	Trigger+16	SSC	15:16	Trigger+16	SSC; particle size
10	Trigger+18	SSC; particle size	15:18	Trigger+18	SSC
11	Trigger+20	SSC	15:20	Trigger+20	DOC (F)
12	Trigger+22	SSC	15:22	Trigger+22	SO ₄ , Cl ⁻ (F)
13	Trigger+24	SSC	15:24	Trigger+24	Alk, pH (UF)
14	Trigger+26	SSC	15:26	Trigger+26	SSC
15	Trigger+28	SSC	15:28	Trigger+28	SSC
16	Trigger+30	SSC	15:30	Trigger+30	SSC
17	Trigger+50	SSC	15:50	Trigger+50	SSC
18	Trigger+70	SSC	16:10	Trigger+70	SSC
19	Trigger+90	SSC	Sampling attempted but collection not successful.		
20	Trigger+110	SSC			
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E038, DP above TA-21, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	11:30	Max+10	PCB (UF)
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)	11:32	Max+12	Gamma spectroscopy (UF)
4	Max+13	Isotopic uranium; isotopic plutonium (UF)	11:33	Max+13	Isotopic uranium; isotopic plutonium (UF)
5	Max+14	Isotopic uranium; isotopic plutonium (UF)			
6	Max+15	Strontium-90 (UF)	11:36	Max+16	Strontium-90 (UF)
7	Max+16	TAL metals (F/UF)	11:37	Max+17	TAL metals (F/UF)
8	Max+17	Extra bottle	Remaining samples not retrieved for analysis.		
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			
E038, DP above TA-21, Sampled 7/28/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	14:40	Max+10	PCB (UF)
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)	14:42	Max+12	Gamma spectroscopy (UF)
4	Max+13	Isotopic uranium; isotopic plutonium (UF)	14:43	Max+13	Isotopic uranium; isotopic plutonium (UF)
5	Max+14	Isotopic uranium; isotopic plutonium (UF)			
6	Max+15	Strontium-90 (UF)	14:45	Max+15	Strontium-90 (UF)
7	Max+16	TAL metals (F/UF)	14:46	Max+16	TAL metals (F/UF)
8	Max+17	Extra bottle	Remaining samples not retrieved for analysis.		
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			

Table 2.4-4 (continued)

E038, DP above TA-21, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	11:20	Trigger+0	SSC
2	Trigger+2	SSC	11:22	Trigger+2	Gamma spectroscopy (UF)
3	Trigger+4	SSC	11:24	Trigger+4	Isotopic plutonium (UF)
4	Trigger+6	SSC	11:26	Trigger+6	SSC
5	Trigger+8	SSC	11:28	Trigger+8	SSC
6	Trigger+10	SSC	11:30	Trigger+10	SSC
7	Trigger+12	SSC	11:32	Trigger+12	SSC
8	Trigger+14	SSC	11:34	Trigger+14	SSC
9	Trigger+16	SSC	11:36	Trigger+16	SSC; particle size
10	Trigger+18	SSC; particle size	11:38	Trigger+18	DOC (F)
11	Trigger+20	SSC	11:40	Trigger+20	SO ₄ , Cl ⁻ (F)
12	Trigger+22	SSC	11:42	Trigger+22	Alk, pH (UF)
13	Trigger+24	SSC	11:44	Trigger+24	SSC
14	Trigger+26	SSC	11:46	Trigger+26	SSC
15	Trigger+28	SSC	11:48	Trigger+28	SSC
16	Trigger+30	SSC	11:50	Trigger+30	SSC
17	Trigger+50	SSC	12:10	Trigger+50	SSC
18	Trigger+70	SSC	12:30	Trigger+70	SSC
19	Trigger+90	SSC	12:50	Trigger+90	SSC
20	Trigger+110	SSC	13:10	Trigger+110	SSC
21	Trigger+130	SSC	13:30	Trigger+130	SSC
22	Trigger+150	SSC	13:50	Trigger+150	SSC
23	Trigger+170	SSC	14:10	Trigger+170	SSC
24	Trigger+190	SSC	14:30	Trigger+190	SSC

Table 2.4-4 (continued)

E038, DP above TA-21, Sampled 7/28/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	14:30	Trigger+0	SSC
2	Trigger+2	SSC	14:32	Trigger+2	SSC
3	Trigger+4	SSC	14:34	Trigger+4	SSC
4	Trigger+6	SSC	14:36	Trigger+6	SSC
5	Trigger+8	SSC	14:38	Trigger+8	SSC
6	Trigger+10	SSC	14:40	Trigger+10	SSC
7	Trigger+12	SSC	14:42	Trigger+12	SSC
8	Trigger+14	SSC	14:44	Trigger+14	SSC
9	Trigger+16	SSC	14:46	Trigger+16	SSC; particle size
10	Trigger+18	SSC; particle size	14:48	Trigger+18	DOC (F)
11	Trigger+20	SSC	14:50	Trigger+20	SO ₄ , Cl ⁻ (F)
12	Trigger+22	SSC	14:52	Trigger+22	Alk, pH (UF)
13	Trigger+24	SSC	14:54	Trigger+24	SSC
14	Trigger+26	SSC	14:56	Trigger+26	SSC
15	Trigger+28	SSC	14:58	Trigger+28	SSC
16	Trigger+30	SSC	15:00	Trigger+30	SSC
17	Trigger+50	SSC	15:20	Trigger+50	SSC
18	Trigger+70	SSC	15:40	Trigger+70	SSC
19	Trigger+90	SSC	16:00	Trigger+90	SSC
20	Trigger+110	SSC	16:20	Trigger+110	SSC
21	Trigger+130	SSC	16:40	Trigger+130	SSC
22	Trigger+150	SSC	17:00	Trigger+150	SSC
23	Trigger+170	SSC	17:20	Trigger+170	SSC
24	Trigger+190	SSC	17:40	Trigger+190	SSC

Table 2.4-4 (continued)

E038, DP above TA-21, Sampled 8/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	13:35	Max+10	TSS
2	Max+11	PCB (UF)	13:36	Max+11	TSS
3	Max+12	Gamma spectroscopy (UF)	13:37	Max+12	TSS
4	Max+13	Isotopic uranium; isotopic plutonium (UF)	13:38	Max+13	TSS
5	Max+14	Isotopic uranium; isotopic plutonium (UF)	13:39	Max+14	TSS
6	Max+15	Strontium-90 (UF)	13:41	Max+16	TSS
7	Max+16	TAL metals (F/UF)	13:42	Max+17	TSS
8	Max+17	Extra bottle	Remaining samples not retrieved for analysis.		
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			
E039.1, DP below Grade-Control Structure, Sampled 6/14/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	14:10	Max+10	PCB (UF)
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)	14:12	Max+12	Gamma spectroscopy (UF)
4	Max+13	Isotopic uranium; isotopic plutonium (UF)	14:13	Max+13	Isotopic uranium; isotopic plutonium (UF)
5	Max+14	Isotopic uranium; isotopic plutonium (UF)			
6	Max+15	Strontium-90 (UF)	14:15	Max+15	Strontium-90 (UF)
7	Max+16	TAL metals (F/UF)	14:16	Max+16	TAL metals (F/UF)
8	Max+17	Extra bottle	Remaining samples not retrieved for analysis.		
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			

Table 2.4-4 (continued)

E038, DP above TA-21, Sampled 8/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	13:25	Trigger+0	SSC
2	Trigger+2	SSC	13:27	Trigger+2	TSS
3	Trigger+4	SSC	13:29	Trigger+4	TSS
4	Trigger+6	SSC	13:31	Trigger+6	TSS
5	Trigger+8	SSC	13:33	Trigger+8	TSS
6	Trigger+10	SSC	13:35	Trigger+10	SSC
7	Trigger+12	SSC	13:37	Trigger+12	TSS
8	Trigger+14	SSC	13:39	Trigger+14	TSS
9	Trigger+16	SSC	13:41	Trigger+16	TSS
10	Trigger+18	SSC; particle size	13:43	Trigger+18	TSS
11	Trigger+20	SSC	13:45	Trigger+20	SSC
12	Trigger+22	SSC	13:47	Trigger+22	TSS
13	Trigger+24	SSC	13:49	Trigger+24	TSS
14	Trigger+26	SSC	13:51	Trigger+26	TSS
15	Trigger+28	SSC	13:53	Trigger+28	TSS
16	Trigger+30	SSC	13:55	Trigger+30	SSC
17	Trigger+50	SSC	14:15	Trigger+50	SSC
18	Trigger+70	SSC	14:35	Trigger+70	TSS
19	Trigger+90	SSC	14:55	Trigger+90	SSC
20	Trigger+110	SSC	15:15	Trigger+110	SSC
21	Trigger+130	SSC	Sampling attempted but collection not successful.		
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E039.1, DP below Grade-Control Structure, Sampled 6/14/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	14:00	Trigger+0	SSC
2	Trigger+2	SSC	14:02	Trigger+2	SSC
3	Trigger+4	SSC	14:04	Trigger+4	SSC
4	Trigger+6	SSC	14:06	Trigger+6	SSC
5	Trigger+8	SSC	14:08	Trigger+8	SSC
6	Trigger+10	SSC	14:10	Trigger+10	SSC
7	Trigger+12	SSC	14:12	Trigger+12	SSC
8	Trigger+14	SSC	14:14	Trigger+14	SSC
9	Trigger+16	SSC	14:16	Trigger+16	SSC; particle size
10	Trigger+18	SSC; particle size	14:18	Trigger+18	DOC (F)
11	Trigger+20	SSC	14:20	Trigger+20	SO ₄ , Cl ⁻ (F)
12	Trigger+22	SSC	14:22	Trigger+22	Alk, pH (UF)
13	Trigger+24	SSC	14:24	Trigger+24	SSC
14	Trigger+26	SSC	14:26	Trigger+26	SSC
15	Trigger+28	SSC	14:28	Trigger+28	SSC
16	Trigger+30	SSC	14:30	Trigger+30	SSC
17	Trigger+50	SSC	14:50	Trigger+50	SSC
18	Trigger+70	SSC	15:10	Trigger+70	SSC
19	Trigger+90	SSC	Sampling attempted but collection not successful.		
20	Trigger+110	SSC			
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E039.1, DP below Grade-Control Structure, Sampled 6/30/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	16:00	Max+10	PCB (UF)
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)	16:02	Max+12	Gamma spectroscopy (UF)
4	Max+13	Isotopic uranium; isotopic plutonium (UF)	16:03	Max+13	Isotopic uranium; isotopic plutonium (UF)
5	Max+14	Isotopic uranium; isotopic plutonium (UF)			
6	Max+15	Strontium-90 (UF)	16:05	Max+15	Strontium-90 (UF)
7	Max+16	TAL metals (F/UF)	16:06	Max+16	TAL metals (F/UF)
8	Max+17	Extra bottle	Remaining samples not retrieved for analysis.		
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			
E039.1, DP below Grade-Control Structure, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	11:50	Max+10	PCB (UF)
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)	11:52	Max+12	Gamma spectroscopy (UF)
4	Max+13	Isotopic uranium; isotopic plutonium (UF)	11:53	Max+13	Isotopic uranium; isotopic plutonium (UF)
5	Max+14	Isotopic uranium; isotopic plutonium (UF)			
6	Max+15	Strontium-90 (UF)	11:55	Max+15	Strontium-90 (UF)
7	Max+16	TAL metals (F/UF)	11:56	Max+16	TAL metals (F/UF)
8	Max+17	Extra bottle	Remaining samples not retrieved for analysis.		
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			

Table 2.4-4 (continued)

E039.1, DP below Grade-Control Structure, Sampled 6/30/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	15:49	Trigger+0	SSC
2	Trigger+2	SSC	15:51	Trigger+2	SSC
3	Trigger+4	SSC	15:53	Trigger+4	SSC
4	Trigger+6	SSC	15:55	Trigger+6	SSC
5	Trigger+8	SSC	15:57	Trigger+8	SSC
6	Trigger+10	SSC	15:59	Trigger+10	DOC (F)
7	Trigger+12	SSC	16:01	Trigger+12	SO ₄ , Cl ⁻ (F)
8	Trigger+14	SSC	16:03	Trigger+14	Alk, pH (UF)
9	Trigger+16	SSC	16:05	Trigger+16	SSC; particle size
10	Trigger+18	SSC; particle size	16:07	Trigger+18	SSC
11	Trigger+20	SSC	16:09	Trigger+20	SSC
12	Trigger+22	SSC	16:11	Trigger+22	SSC
13	Trigger+24	SSC	16:13	Trigger+24	SSC
14	Trigger+26	SSC	16:15	Trigger+26	SSC
15	Trigger+28	SSC	16:17	Trigger+28	SSC
16	Trigger+30	SSC	16:19	Trigger+30	SSC
17	Trigger+50	SSC	Sampling attempted but collection not successful.		
18	Trigger+70	SSC			
19	Trigger+90	SSC			
20	Trigger+110	SSC			
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E039.1, DP below Grade-Control Structure, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	11:39	Trigger+0	SSC
2	Trigger+2	SSC	11:41	Trigger+2	SSC
3	Trigger+4	SSC	11:43	Trigger+4	SSC
4	Trigger+6	SSC	11:45	Trigger+6	SSC
5	Trigger+8	SSC	11:47	Trigger+8	SSC
6	Trigger+10	SSC	11:49	Trigger+10	SSC
7	Trigger+12	SSC	11:51	Trigger+12	SSC
8	Trigger+14	SSC	11:53	Trigger+14	SSC
9	Trigger+16	SSC	11:55	Trigger+16	SSC; particle size
10	Trigger+18	SSC; particle size	11:57	Trigger+18	DOC (F)
11	Trigger+20	SSC	11:59	Trigger+20	SO ₄ , Cl ⁻ (F)
12	Trigger+22	SSC	12:01	Trigger+22	Alk, pH (UF)
13	Trigger+24	SSC	12:03	Trigger+24	SSC
14	Trigger+26	SSC	12:05	Trigger+26	SSC
15	Trigger+28	SSC	12:07	Trigger+28	SSC
16	Trigger+30	SSC	12:09	Trigger+30	SSC
17	Trigger+50	SSC	12:29	Trigger+50	SSC
18	Trigger+70	SSC	12:49	Trigger+70	SSC
19	Trigger+90	SSC	13:09	Trigger+90	SSC
20	Trigger+110	SSC	Sampling attempted but collection not successful.		
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E039.1, DP below Grade-Control Structure, Sampled 7/28/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	15:14	Max+10	PCB (UF)
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)	15:17	Max+13	Gamma spectroscopy (UF)
4	Max+13	Isotopic uranium; isotopic plutonium (UF)	15:18	Max+14	Isotopic uranium; isotopic plutonium (UF)
5	Max+14	Isotopic uranium; isotopic plutonium (UF)			
6	Max+15	Strontium-90 (UF)	15:20	Max+16	Strontium-90 (UF)
7	Max+16	TAL metals (F/UF)	15:21	Max+17	TAL metals (F/UF)
8	Max+17	Extra bottle	Remaining samples not retrieved for analysis.		
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			
E039.1, DP below Grade-Control Structure, Sampled 8/4/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	14:14	Max+10	TSS
2	Max+11	PCB (UF)	14:16	Max+12	TSS
3	Max+12	Gamma spectroscopy (UF)	14:17	Max+13	TSS
4	Max+13	Isotopic uranium; isotopic plutonium (UF)	14:18	Max+14	TSS
5	Max+14	Isotopic uranium; isotopic plutonium (UF)	14:19	Max+15	TSS
6	Max+15	Strontium-90 (UF)	14:20	Max+16	TSS
7	Max+16	TAL metals (F/UF)	14:21	Max+17	TSS
8	Max+17	Extra bottle	Remaining samples not retrieved for analysis.		
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			

Table 2.4-4 (continued)

E039.1, DP below Grade-Control Structure, Sampled 7/28/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	15:04	Trigger+0	SSC
2	Trigger+2	SSC	15:06	Trigger+2	SSC
3	Trigger+4	SSC	15:08	Trigger+4	SSC
4	Trigger+6	SSC	15:10	Trigger+6	SSC
5	Trigger+8	SSC	15:12	Trigger+8	SSC
6	Trigger+10	SSC	15:14	Trigger+10	SSC
7	Trigger+12	SSC	15:16	Trigger+12	SSC
8	Trigger+14	SSC	15:18	Trigger+14	SSC
9	Trigger+16	SSC	15:20	Trigger+16	SSC; particle size
10	Trigger+18	SSC; particle size	15:22	Trigger+18	DOC (F)
11	Trigger+20	SSC	15:24	Trigger+20	SO ₄ , Cl ⁻ (F)
12	Trigger+22	SSC	15:26	Trigger+22	Alk, pH (UF)
13	Trigger+24	SSC	15:28	Trigger+24	SSC
14	Trigger+26	SSC	15:30	Trigger+26	SSC
15	Trigger+28	SSC	15:32	Trigger+28	SSC
16	Trigger+30	SSC	15:34	Trigger+30	SSC
17	Trigger+50	SSC	Sampling attempted but collection not successful.		
18	Trigger+70	SSC			
19	Trigger+90	SSC			
20	Trigger+110	SSC			
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E039.1, DP below Grade-Control Structure, Sampled 8/4/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	14:04	Trigger+0	SSC
2	Trigger+2	SSC	14:06	Trigger+2	SSC
3	Trigger+4	SSC	14:08	Trigger+4	SSC
4	Trigger+6	SSC	14:10	Trigger+6	SSC
5	Trigger+8	SSC	14:12	Trigger+8	SSC
6	Trigger+10	SSC	14:14	Trigger+10	SSC
7	Trigger+12	SSC	14:16	Trigger+12	SSC
8	Trigger+14	SSC	14:18	Trigger+14	SSC
9	Trigger+16	SSC	14:20	Trigger+16	SSC; particle size
10	Trigger+18	SSC; particle size	14:22	Trigger+18	DOC (F)
11	Trigger+20	SSC	14:24	Trigger+20	SO ₄ , Cl ⁻ (F)
12	Trigger+22	SSC	14:26	Trigger+22	Alk, pH (UF)
13	Trigger+24	SSC	14:28	Trigger+24	SSC
14	Trigger+26	SSC	14:30	Trigger+26	SSC
15	Trigger+28	SSC	14:32	Trigger+28	SSC
16	Trigger+30	SSC	14:34	Trigger+30	SSC
17	Trigger+50	SSC	Sampling attempted but collection not successful.		
18	Trigger+70	SSC			
19	Trigger+90	SSC			
20	Trigger+110	SSC			
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E039.1, DP below Grade-Control Structure, Sampled 8/9/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	Samples not retrieved for analysis.		
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)			
4	Max+13	Isotopic uranium; isotopic plutonium (UF)			
5	Max+14	Isotopic uranium; isotopic plutonium (UF)			
6	Max+15	Strontium-90 (UF)			
7	Max+16	TAL metals (F/UF)			
8	Max+17	Extra bottle			
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			
E039.1, DP below Grade-Control Structure, Sampled 9/10/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	16:19	Max+10	PCB (UF)
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)	16:22	Max+13	Gamma spectroscopy (UF)
4	Max+13	Isotopic uranium; isotopic plutonium (UF)			
5	Max+14	Isotopic uranium; isotopic plutonium (UF)	16:24	Max+15	Isotopic uranium; isotopic plutonium (UF)
6	Max+15	Strontium-90 (UF)			
7	Max+16	TAL metals (F/UF)	16:26	Max+17	Strontium-90 (UF)
8	Max+17	Extra bottle	16:27	Max+18	TAL metals (UF)
9	Max+18	Extra Bottle	16:28	Max+19	TAL metals (F)
10	Max+19	Extra Bottle	16:29	Max+20	TSS
11	Max+20	Extra Bottle	16:30	Max+21	TSS
12	Max+21	Extra Bottle	16:31	Max+22	TSS

Table 2.4-4 (continued)

E039.1, DP below Grade-Control structure, Sampled 8/9/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	14:09	Trigger	SSC
2	Trigger+2	SSC	Samples not retrieved for analysis.		
3	Trigger+4	SSC			
4	Trigger+6	SSC			
5	Trigger+8	SSC	14:17	Trigger+8	SSC
6	Trigger+10	SSC	Samples not retrieved for analysis.		
7	Trigger+12	SSC			
8	Trigger+14	SSC			
9	Trigger+16	SSC	14:25	Trigger+16	SSC
10	Trigger+18	SSC; particle size	Samples not retrieved for analysis.		
11	Trigger+20	SSC			
12	Trigger+22	SSC			
13	Trigger+24	SSC			
14	Trigger+26	SSC			
15	Trigger+28	SSC	14:37	Trigger+28	SSC
16	Trigger+30	SSC	Sampling attempted but collection not successful.		
17	Trigger+50	SSC			
18	Trigger+70	SSC			
19	Trigger+90	SSC			
20	Trigger+110	SSC			
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E039.1, DP below Grade-Control Structure, Sampled 9/10/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	16:09	Trigger+0	SSC
2	Trigger+2	SSC	16:11	Trigger+2	SSC
3	Trigger+4	SSC	16:13	Trigger+4	SSC
4	Trigger+6	SSC	16:15	Trigger+6	SSC
5	Trigger+8	SSC	16:17	Trigger+8	SSC
6	Trigger+10	SSC	16:19	Trigger+10	SSC; particle size
7	Trigger+12	SSC	16:21	Trigger+12	DOC (F)
8	Trigger+14	SSC	16:23	Trigger+14	SO ₄ , Cl ⁻ (F)
9	Trigger+16	SSC	16:25	Trigger+16	Alk, pH (UF)
10	Trigger+18	SSC; particle size	16:27	Trigger+18	SSC
11	Trigger+20	SSC	16:29	Trigger+20	SSC
12	Trigger+22	SSC	16:31	Trigger+22	SSC
13	Trigger+24	SSC	16:33	Trigger+24	SSC
14	Trigger+26	SSC	16:35	Trigger+26	SSC
15	Trigger+28	SSC	16:37	Trigger+28	SSC
16	Trigger+30	SSC	16:39	Trigger+30	SSC
17	Trigger+50	SSC	16:59	Trigger+50	SSC
18	Trigger+70	SSC	Sampling attempted but collection not successful.		
19	Trigger+90	SSC			
20	Trigger+110	SSC	17:59	Trigger+110	SSC
21	Trigger+130	SSC	18:19	Trigger+130	SSC
22	Trigger+150	SSC	18:39	Trigger+150	SSC
23	Trigger+170	SSC	18:59	Trigger+170	SSC
24	Trigger+190	SSC	19:19	Trigger+190	SSC

Table 2.4-4 (continued)

E039.1, DP below Grade-Control Structure, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	Samples not retrieved for analysis.		
2	Max+11	PCB (UF)			
3	Max+12	Gamma spectroscopy (UF)			
4	Max+13	Isotopic uranium; isotopic plutonium (UF)			
5	Max+14	Isotopic uranium; isotopic plutonium (UF)			
6	Max+15	Strontium-90 (UF)			
7	Max+16	TAL metals (F/UF)			
8	Max+17	Extra bottle			
9	Max+18	Extra Bottle			
10	Max+19	Extra Bottle			
11	Max+20	Extra Bottle			
12	Max+21	Extra Bottle			

E039.1, DP below Grade-Control Structure, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	Sample not retrieved for analysis.		
2	Trigger+2	SSC	15:11	Trigger+2	SSC; particle size
3	Trigger+4	SSC	Sample not retrieved for analysis.		
4	Trigger+6	SSC	15:15	Trigger+6	SSC
5	Trigger+8	SSC	Sample not retrieved for analysis.		
6	Trigger+10	SSC	15:19	Trigger+10	SSC
7	Trigger+12	SSC	Sample not retrieved for analysis.		
8	Trigger+14	SSC	15:23	Trigger+14	SSC
9	Trigger+16	SSC	Sample not retrieved for analysis.		
10	Trigger+18	SSC; particle size	15:27	Trigger+18	SSC
11	Trigger+20	SSC	Sample not retrieved for analysis.		
12	Trigger+22	SSC	15:31	Trigger+22	SSC
13	Trigger+24	SSC	Sample not retrieved for analysis.		
14	Trigger+26	SSC	15:35	Trigger+26	SSC
15	Trigger+28	SSC	Sample not retrieved for analysis.		
16	Trigger+30	SSC	Sample not retrieved for analysis.		
17	Trigger+50	SSC	Sampling attempted but collection not successful.		
18	Trigger+70	SSC			
19	Trigger+90	SSC	16:39	Trigger+90	SSC
20	Trigger+110	SSC	16:59	Trigger+110	SSC
21	Trigger+130	SSC	Sample not retrieved for analysis.		
22	Trigger+150	SSC	17:39	Trigger+150	SSC
23	Trigger+170	SSC	Sample not retrieved for analysis.		
24	Trigger+190	SSC	18:19	Trigger+190	SSC

E039.1, DP below Grade-Control Structure, Sampled 11/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	13:43	Trigger+0	SSC
2	Trigger+2	SSC	Sample not retrieved for analysis.		
3	Trigger+4	SSC	13:47	Trigger+4	SSC
4	Trigger+6	SSC	Sample not retrieved for analysis.		
5	Trigger+8	SSC	13:51	Trigger+8	SSC
6	Trigger+10	SSC	Sample not retrieved for analysis.		
7	Trigger+12	SSC	13:55	Trigger+12	SSC
8	Trigger+14	SSC	Sample not retrieved for analysis.		
9	Trigger+16	SSC	13:59	Trigger+16	SSC
10	Trigger+18	SSC; particle size	Sample not retrieved for analysis.		
11	Trigger+20	SSC	14:03	Trigger+20	SSC
12	Trigger+22	SSC	Sample not retrieved for analysis.		
13	Trigger+24	SSC	14:07	Trigger+24	SSC
14	Trigger+26	SSC	Sample not retrieved for analysis.		
15	Trigger+28	SSC	14:11	Trigger+28	SSC
16	Trigger+30	SSC	Sample not retrieved for analysis.		
17	Trigger+50	SSC	14:33	Trigger+50	SSC
18	Trigger+70	SSC	Sampling attempted but collection not successful.		
19	Trigger+90	SSC			
20	Trigger+110	SSC			
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E042.1, Los Alamos above Low-head Weir, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	12:55	Sampling attempted but collection not successful.	
2	Max+11	Gamma spectroscopy (UF)			
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	12:59	14	SSC
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)	Sampling attempted but collection not successful.		
5	Max+14	Strontium-90 (UF)	13:03	18	SSC
6	Max+16	TAL metals (F/UF)	Sampling attempted but collection not successful.		
7	Max+17	Cyanide (UF)	13:07	22	Gamma spectroscopy (UF)
8	Max+60	PCB (UF)	13:09	24	PCB Congeners (UF)
9	Max+61	Isotopic plutonium (UF)	13:45	60	DOC (F)
10	Max+105	PCB (UF)	Sampling attempted but collection not successful.		
11	Max+106	Isotopic plutonium (UF)	14:30	105	PCB Congeners (UF)
12	n/a ^e	n/a	14:30	105	Isotopic plutonium, isotopic uranium, Americium-241 (UF)

Table 2.4-4 (continued)

E042.1, Los Alamos above Low-head Weir, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	12:40	Trigger+0	SSC
2	Trigger+2	SSC	12:42	Trigger+2	SSC
3	Trigger+4	SSC	Sampling attempted but collection not successful.		
4	Trigger+6	SSC			
5	Trigger+8	SSC			
6	Trigger+12	SSC			
7	Trigger+14	SSC			
8	Trigger+16	SSC			
9	Trigger+18	SSC; particle size			
10	Trigger+20	SSC	12:58	Trigger+18	TSS
11	Trigger+22	SSC	13:00	Trigger+20	Alkalinity, pH (UF)
12	Trigger+24	SSC	13:02	Trigger+22	TSS
13	Trigger+26	SSC	13:04	Trigger+24	TSS
14	Trigger+28	SSC	13:06	Trigger+26	TSS
15	Trigger+30	SSC	13:08	Trigger+28	TSS
16	Trigger+50	SSC	13:10	Trigger+30	TSS
17	Trigger+70	SSC; particle size	13:30	Trigger+50	TSS
18	Trigger+90	SSC	13:50	Trigger+70	TSS
19	Trigger+110	SSC; particle size	14:10	Trigger+90	TSS
20	Trigger+130	SSC	14:30	Trigger+110	TSS
21	Trigger+150	SSC	14:50	Trigger+130	Sr-90 (UF)
22	Trigger+170	SSC	15:10	Trigger+150	Metals (F/UF)
23	Trigger+190	SSC	15:30	Trigger+170	Cyanide (UF)
24	Trigger+210	SSC	15:50	Trigger+190	SSC; particle size

Table 2.4-4 (continued)

E042.1, Los Alamos above Low-head Weir, Sampled 8/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	15:10	Max+10	PCB (UF)
2	Max+11	Gamma spectroscopy (UF)	15:12	Max+12	Gamma spectroscopy (UF)
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	15:14	Max+14	Isotopic plutonium, americium-241, and isotopic uranium (UF)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
5	Max+14	Strontium-90 (UF)	15:18	Max+18	Strontium-90 (UF)
6	Max+16	TAL metals (F/UF)	15:20	Max+20	TAL metals (F/UF)
7	Max+17	Cyanide (UF)	15:22	Max+22	Alkalinity, pH,Cyanide (UF)
8	Max+60	PCB (UF)	15:24	Max+24	PCB (UF)
9	Max+61	Isotopic plutonium (UF)			
10	Max+105	PCB (UF)	16:00	Max+60	Isotopic plutonium (UF)
11	Max+106	Isotopic plutonium (UF)	Sampling attempted but collection not successful.		
12	n/a ^d	n/a			
E042.1, Los Alamos above Low-head Weir, Sampled 9/10/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	19:40	Sampling attempted but collection not successful.	
2	Max+11	Gamma spectroscopy (UF)	19:42	Max+12	Gamma spectroscopy (UF)
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	19:44	Max+14	Isotopic plutonium, americium-241, and isotopic uranium (UF)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
5	Max+14	Strontium-90 (UF)			
6	Max+16	TAL metals (F/UF)	19:50	Max+20	Strontium-90 (UF)
7	Max+17	Cyanide (UF)	19:52	Max+22	Cyanide (UF)
8	Max+60	PCB (UF)	19:54	Max+24	PCB (UF)
9	Max+61	Isotopic plutonium (UF)			
10	Max+105	PCB (UF)	20:30	Max+60	Isotopic plutonium (UF)
11	Max+106	Isotopic plutonium (UF)	Sampling attempted but collection not successful.		
12	n/a	n/a			

Table 2.4-4 (continued)

E042.1, Los Alamos above Low-head Weir, Sampled 8/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	15:00	Trigger+0	Gamma spectroscopy (UF)
2	Trigger+2	SSC	15:02	Trigger+2	Isotopic plutonium (UF)
3	Trigger+4	SSC	15:04	Trigger+4	SSC
4	Trigger+6	SSC	15:06	Trigger+6	SSC
5	Trigger+8	SSC	15:08	Trigger+8	SSC
6	Trigger+12	SSC	15:10	Trigger+10	SSC
7	Trigger+14	SSC	15:12	Trigger+12	SSC
8	Trigger+16	SSC	15:14	Trigger+14	SSC
9	Trigger+18	SSC; particle size	15:16	Trigger+16	SSC; particle size
10	Trigger+20	SSC	15:18	Trigger+18	DOC (F)
11	Trigger+22	SSC	15:20	Trigger+20	SO ₄ , Cl ⁻ (F)
12	Trigger+24	SSC	15:22	Trigger+22	Alk, pH
13	Trigger+26	SSC	15:24	Trigger+24	SSC
14	Trigger+28	SSC	15:26	Trigger+26	SSC
15	Trigger+30	SSC	15:28	Trigger+28	SSC
16	Trigger+50	SSC	15:30	Trigger+30	SSC
17	Trigger+70	SSC; particle size	15:50	Trigger+50	SSC
18	Trigger+90	SSC	16:10	Trigger+70	SSC; particle size
19	Trigger+110	SSC; particle size	Sampling attempted but collection not successful.		
20	Trigger+130	SSC			
21	Trigger+150	SSC			
22	Trigger+170	SSC			
23	Trigger+190	SSC			
24	Trigger+210	SSC			

Table 2.4-4 (continued)

E042.1, Los Alamos above Low-head Weir, Sampled 9/10/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	19:29	Trigger+0	Gamma spectroscopy (UF)
2	Trigger+2	SSC	19:31	Trigger+2	Isotopic plutonium (UF)
3	Trigger+4	SSC	19:33	Trigger+4	SSC
4	Trigger+6	SSC	19:35	Trigger+6	SSC
5	Trigger+8	SSC	19:37	Trigger+8	SSC
6	Trigger+12	SSC	19:39	Trigger+10	SSC
7	Trigger+14	SSC	19:41	Trigger+12	SSC
8	Trigger+16	SSC	19:43	Trigger+14	SSC
9	Trigger+18	SSC; particle size	19:45	Trigger+16	DOC (F)
10	Trigger+20	SSC	19:47	Trigger+18	SO ₄ , Cl ⁻ (F)
11	Trigger+22	SSC	19:49	Trigger+20	Alk, pH
12	Trigger+24	SSC	19:51	Trigger+22	TAL metals (F/UF)
13	Trigger+26	SSC	19:53	Trigger+24	Isotopic plutonium (UF)
14	Trigger+28	SSC	19:55	Trigger+26	SSC
15	Trigger+30	SSC	19:57	Trigger+28	SSC
16	Trigger+50	SSC	19:59	Trigger+30	SSC
17	Trigger+70	SSC; particle size	20:19	Trigger+50	SSC; particle size
18	Trigger+90	SSC	Sampling attempted but collection not successful.		
19	Trigger+110	SSC; particle size			
20	Trigger+130	SSC			
21	Trigger+150	SSC	21:39	Trigger+130	SSC; particle size
22	Trigger+170	SSC	21:59	Trigger+150	SSC
23	Trigger+190	SSC	22:19	Trigger+170	SSC
24	Trigger+210	SSC	22:39	Trigger+190	SSC; particle size

Table 2.4-4 (continued)

E050.1, Los Alamos below Low-head Weir, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	13:40	Max+10	PCB (UF)
2	Max+11	Gamma spectroscopy (UF)	13:42	Max+12	Gamma spectroscopy (UF)
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	13:44	Max+14	Isotopic plutonium, americium-241, and isotopic uranium (UF)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
5	Max+14	Strontium-90 (UF)	13:48	Max+18	Strontium-90 (UF)
6	Max+16	TAL metals (F/UF)	13:50	Max+20	TAL metals (F/UF)
7	Max+17	Cyanide (UF) Gross alpha/beta (UF)	13:52	Max+22	Cyanide (UF); Gross Alpha/Beta
8	Max+60	PCB (UF)	13:54	Max+24	PCB (UF)
9	Max+61	Isotopic plutonium (UF)	14:30	Max+60	PCB (UF)
10	Max+105	PCB (UF)	14:30	Max+60	Isotopic plutonium (UF)
11	Max+106	Isotopic plutonium (UF)	15:15	Max+105	PCB (UF)
12	n/a	n/a	15:15	Max+105	Isotopic plutonium (UF)

Table 2.4-4 (continued)

E050.1, Los Alamos below Low-head Weir, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	13:15	Trigger+0	SSC
2	Trigger+2	SSC	13:17	Trigger+2	SSC
3	Trigger+4	SSC	13:19	Trigger+4	Gamma spectroscopy (UF)
4	Trigger+6	SSC	13:21	Trigger+6	Isotopic plutonium (UF)
5	Trigger+8	Radium-226 (UF)	13:23	Trigger+8	SSC
6	Trigger+10	Radium-228 (UF)	13:25	Trigger+10	SSC
7	Trigger+12	SSC	13:27	Trigger+12	SSC
8	Trigger+14	SSC	13:29	Trigger+14	SSC
9	Trigger+16	SSC; particle size	13:31	Trigger+16	SSC; particle size
10	Trigger+18	SSC	13:33	Trigger+18	DOC (F)
11	Trigger+20	SSC	13:35	Trigger+20	SO ₄ , Cl ⁻ (F)
12	Trigger+22	SSC	13:37	Trigger+22	Alk, pH
13	Trigger+24	SSC	13:39	Trigger+24	SSC
14	Trigger+26	SSC	13:41	Trigger+26	Ra-226/Ra-228 SSC
15	Trigger+28	SSC			
16	Trigger+30	SSC	13:45	Trigger+30	SSC
17	Trigger+50	SSC; particle size	14:05	Trigger+50	SSC
18	Trigger+70	SSC	14:25	Trigger+70	SSC; particle size SSC
19	Trigger+90	SSC; particle size	14:45	Trigger+90	SSC
20	Trigger+110	SSC	15:05	Trigger+110	SSC; particle size
21	Trigger+130	SSC	15:25	Trigger+130	SSC
22	Trigger+150	SSC	15:45	Trigger+150	SSC
23	Trigger+170	SSC	16:05	Trigger+170	SSC
24	Trigger+190	SSC	16:25	Trigger+190	SSC

Table 2.4-4 (continued)

E050.1, Los Alamos below Low-head Weir, Sampled 8/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	18:09	Max+10	PCB (UF)
2	Max+11	Gamma spectroscopy (UF)	18:11	Max+12	Gamma spectroscopy (UF)
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	18:13	Max+14	Isotopic plutonium, americium-241, and isotopic uranium (UF)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
5	Max+14	Strontium-90 (UF)	18:17	Max+18	Strontium-90 (UF)
6	Max+16	TAL metals (F/UF)	18:19	Max+20	TAL metals (F/UF)
7	Max+17	Cyanide (UF) Gross alpha/beta (UF)	18:21	Max+22	Cyanide (UF); Gross Alpha/Beta
8	Max+60	PCB (UF)	18:23	Max+24	PCB (UF)
9	Max+61	Isotopic plutonium (UF)	18:59	Max+60	PCB (UF)
10	Max+105	PCB (UF)	18:59	Max+60	Isotopic plutonium (UF)
11	Max+106	Isotopic plutonium (UF)	19:44	Max+105	PCB (UF)
12	n/a	n/a	19:44	Max+105	Isotopic plutonium (UF)

Table 2.4-4 (continued)

E050.1, Los Alamos below low-head weir, Sampled 8/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	17:45	Trigger+0	Gamma spectroscopy (UF)
2	Trigger+2	SSC	17:47	Trigger+2	Isotopic plutonium (UF)
3	Trigger+4	SSC	17:49	Trigger+4	SSC
4	Trigger+6	SSC	17:51	Trigger+6	SSC
5	Trigger+8	Radium-226 (UF)	17:53	Trigger+8	Ra-226/Ra-228
6	Trigger+10	Radium-228 (UF)			
7	Trigger+12	SSC	17:57	Trigger+12	SSC
8	Trigger+14	SSC	17:59	Trigger+14	SSC
9	Trigger+16	SSC; particle size	18:01	Trigger+16	SSC; particle size
10	Trigger+18	SSC	18:03	Trigger+18	DOC (F)
11	Trigger+20	SSC	18:05	Trigger+20	SO ₄ , Cl ⁻ (F)
12	Trigger+22	SSC	18:07	Trigger+22	Alk, pH
13	Trigger+24	SSC	18:09	Trigger+24	SSC
14	Trigger+26	SSC	18:11	Trigger+26	SSC
15	Trigger+28	SSC	18:13	Trigger+28	SSC
16	Trigger+30	SSC	18:15	Trigger+30	SSC
17	Trigger+50	SSC	18:35	Trigger+50	SSC
18	Trigger+70	SSC; particle size	18:55	Trigger+70	SSC; particle size SSC
19	Trigger+90	SSC	19:15	Trigger+90	SSC
20	Trigger+110	SSC; particle size SSC	19:35	Trigger+110	SSC; particle size
21	Trigger+130	SSC	19:55	Trigger+130	SSC
22	Trigger+150	SSC	Sampling attempted but collection not successful.		
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E050.1, Los Alamos below Low-head weir, Sampled 9/10-11/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	0:04	Max+10	PCB (UF)
2	Max+11	Gamma spectroscopy (UF)	0:06	Max+12	Gamma spectroscopy (UF)
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	0:08	Max+14	Isotopic plutonium, americium-241, and isotopic uranium (UF)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
5	Max+14	Strontium-90 (UF)	0:12	Max+18	Strontium-90 (UF)
6	Max+16	TAL metals (F/UF)	0:14	Max+20	TAL metals (F/UF)
7	Max+17	Cyanide (UF) Gross alpha/beta (UF)	0:16	Max+22	Cyanide (UF); Gross Alpha/Beta
8	Max+60	PCB (UF)	0:18	Max+24	PCB (UF)
9	Max+61	Isotopic plutonium (UF)	0:54	Max+60	PCB (UF)
10	Max+105	PCB (UF)	0:54	Max+60	Isotopic plutonium (UF)
11	Max+106	Isotopic plutonium (UF)	01:39	Max+105	PCB (UF)
12	n/a	n/a	01:39	Max+105	Isotopic plutonium (UF)

Table 2.4-4 (continued)

E050.1, Los Alamos below Low-head Weir, Sampled 9/10-11/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	22:24	Trigger+0	Gamma spectroscopy (UF)
2	Trigger+2	SSC	22:26	Trigger+2	Isotopic plutonium (UF)
3	Trigger+4	SSC	22:28	Trigger+4	SSC
4	Trigger+6	SSC	22:30	Trigger+6	SSC
5	Trigger+8	Radium-226 (UF)	22:32	Trigger+8	Ra-226/Ra-228
6	Trigger+10	Radium-228 (UF)			
7	Trigger+12	SSC	22:36	Trigger+12	SSC
8	Trigger+14	SSC	22:38	Trigger+14	SSC
9	Trigger+16	SSC; particle size	22:40	Trigger+16	SSC; particle size
10	Trigger+18	SSC	22:42	Trigger+18	DOC (F)
11	Trigger+20	SSC	22:44	Trigger+20	SO ₄ , Cl ⁻ (F)
12	Trigger+22	SSC	22:46	Trigger+22	Alk, pH
13	Trigger+24	SSC	22:48	Trigger+24	SSC
14	Trigger+26	SSC	22:50	Trigger+26	SSC
15	Trigger+28	SSC	22:52	Trigger+28	SSC
16	Trigger+30	SSC	22:54	Trigger+30	SSC
17	Trigger+50	SSC	23:14	Trigger+50	SSC
18	Trigger+70	SSC; particle size	23:34	Trigger+70	SSC; particle size SSC
19	Trigger+90	SSC	23:54	Trigger+90	SSC
20	Trigger+110	SSC; particle size	0:14	Trigger+110	SSC; particle size
21	Trigger+130	SSC	0:34	Trigger+130	SSC
22	Trigger+150	SSC	0:54	Trigger+150	SSC
23	Trigger+170	SSC	1:14	Trigger+170	SSC
24	Trigger+190	SSC	1:34	Trigger+190	SSC

Table 2.4-4 (continued)

E050.1, Los Alamos below Low-head Weir, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	19:04	Max+10	PCB (UF)
2	Max+11	Gamma spectroscopy (UF)	19:06	Max+12	Gamma spectroscopy (UF)
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	19:08	Max+14	Isotopic plutonium, americium-241, and isotopic uranium (UF)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
5	Max+14	Strontium-90 (UF)	19:12	Max+18	Strontium-90 (UF)
6	Max+16	TAL metals (F/UF)	19:14	Max+20	TAL metals (F/UF)
7	Max+17	Cyanide (UF) Gross alpha/beta (UF)	19:16	Max+22	Cyanide (UF); Gross Alpha/Beta
8	Max+60	PCB (UF)	19:18	Max+24	PCB (UF)
9	Max+61	Isotopic plutonium (UF)	19:54	Max+60	PCB (UF)
10	Max+105	PCB (UF)	19:54	Max+60	Isotopic plutonium (UF)
11	Max+106	Isotopic plutonium (UF)	20:39	Max+105	PCB (UF)
12	n/a	n/a	Sample not retrieved.		

Table 2.4-4 (continued)

E050.1, Los Alamos below Low-head Weir, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	17:54	Trigger+0	Gamma spectroscopy (UF)
2	Trigger+2	SSC	17:56	Trigger+2	Isotopic plutonium (UF)
3	Trigger+4	SSC	17:58	Trigger+4	SSC
4	Trigger+6	SSC	18:00	Trigger+6	SSC
5	Trigger+8	Radium-226 (UF)	18:02	Trigger+8	Ra-226/Ra-228
6	Trigger+10	Radium-228 (UF)			
7	Trigger+12	SSC	18:06	Trigger+12	SSC
8	Trigger+14	SSC	18:08	Trigger+14	SSC
9	Trigger+16	SSC; particle size	18:10	Trigger+16	SSC; particle size
10	Trigger+18	SSC	18:12	Trigger+18	DOC (F)
11	Trigger+20	SSC	18:14	Trigger+20	SO ₄ , Cl ⁻ (F)
12	Trigger+22	SSC	18:16	Trigger+22	Alk, pH
13	Trigger+24	SSC	18:18	Trigger+24	SSC
14	Trigger+26	SSC	18:20	Trigger+26	SSC
15	Trigger+28	SSC	18:22	Trigger+28	SSC
16	Trigger+30	SSC	18:24	Trigger+30	SSC
17	Trigger+50	SSC	18:44	Trigger+50	SSC
18	Trigger+70	SSC; particle size	19:04	Trigger+70	SSC; particle size SSC
19	Trigger+900	SSC	19:24	Trigger+90	SSC
20	Trigger+110	SSC; particle size	19:44	Trigger+110	SSC; particle size
21	Trigger+130	SSC	20:04	Trigger+130	SSC
22	Trigger+150	SSC	20:24	Trigger+150	SSC
23	Trigger+170	SSC	20:44	Trigger+170	SSC
24	Trigger+190	SSC	21:04	Trigger+190	SSC

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 7/8/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	16:15	Max+10	SSC
2	Max+11	Gamma spectroscopy (UF)	Sampling attempted but collection not successful.		
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	16:20	Max+15	SSC
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)	16:23	Max+18	SSC
5	Max+14	Strontium-90 (UF)	16:25	Max+20	Cyanide
6	Max+15	Dioxins and furans (UF)	16:28	Max+23	PCB
7	Max+16	TAL metals (F/UF)	Sampling attempted but collection not successful.		
8	Max+17	Gross alpha/beta (UF) cyanide (UF)			
9	Max+60	PCB (UF)	17:05	Max+60	SSC
10	Max+61	Isotopic plutonium (UF)	Sampling attempted but collection not successful.		
11	Max+105	PCB (UF)			
12	Max+106	Isotopic plutonium (UF)			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 7/8/2013					
Sample Bottle (1 L)	Planned		Actual		
	Start Time (min) 24-Bottle ISCO	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	Sampling attempted but collection not successful.		
2	Trigger+2	SSC			
3	Trigger+4	SSC			
4	Trigger+6	SSC			
5	Trigger+8	SSC			
6	Trigger+10	Gamma spectroscopy; isotopic plutonium, americium-241, and isotopic uranium (F)			
7	Trigger+12	SSC; particle size			
8	Trigger+14	Strontium-90 (F)	16:22	Trigger+18	Gamma spectroscopy
9	Trigger+16	SSC	16:25	Trigger+21	Isotopic plutonium, americium-241, and isotopic uranium (UF)
10	Trigger+18	Radium-226 (UF)	16:27	Trigger+23	Isotopic plutonium, americium-241, and isotopic uranium (UF)
11	Trigger+20	SSC	16:30	Trigger+26	Strontium-90
12	Trigger+22	Radium-228 (UF)	16:31	Trigger+27	Gross alpha/beta (UF)
13	Trigger+24	SSC	Sampling attempted but collection not successful.		
14	Trigger+26	Radium-226 (F)			
15	Trigger+28	SSC			
16	Trigger+30	Radium-228 (F)	16:34	Trigger+30	TAL metals (F/UF)
17	Trigger+50	SSC	16:54	Trigger+50	SSC
18	Trigger+70	SSC; particle size	17:14	Trigger+70	Isotopic plutonium
19	Trigger+90	SSC	17:34	Trigger+90	SSC
20	Trigger+110	SSC; particle size	17:54	Trigger+110	Isotopic plutonium
21	Trigger+130	SSC	Sampling attempted but collection not successful.		
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	Start Time (min) 12-Bottle ISCO	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	13:30	Max+10	PCB (UF)
2	Max+11	Gamma spectroscopy (UF)	13:32	Max+12	Gamma spectroscopy (UF)
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	13:34	Max+14	Isotopic plutonium, americium-241, and isotopic uranium (UF)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)	13:36	Max+15	Strontium-90 (UF)
5	Max+14	Strontium-90 (UF)	13:38	Max+18	SSC
6	Max+15	Dioxins and furans (UF)	13:40	Max+20	Dioxins and furans (UF)
7	Max+16	TAL metals (F/UF)	Sampling attempted but collection not successful.		
8	Max+17	Gross alpha/beta (UF) cyanide (UF)			
9	Max+60	PCB (UF)			
10	Max+61	Isotopic plutonium (UF)			
11	Max+105	PCB (UF)			
12	Max+106	Isotopic plutonium (UF)			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 7/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	Start Time (min) 24-Bottle ISCO	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	Sampling attempted but collection not successful.		
2	Trigger+2	SSC	13:22	Trigger+3	SSC
3	Trigger+4	SSC	Sampling attempted but collection not successful.		
4	Trigger+6	SSC			
5	Trigger+8	SSC			
6	Trigger+10	Gamma spectroscopy; isotopic plutonium, americium-241, and isotopic uranium (F)			
7	Trigger+12	SSC; particle size			
8	Trigger+14	Strontium-90 (F)			
9	Trigger+16	SSC			
10	Trigger+18	Radium-226 (UF)			
11	Trigger+20	SSC			
12	Trigger+22	Radium-228 (UF)			
13	Trigger+24	SSC			
14	Trigger+26	Radium-226 (F)			
15	Trigger+28	SSC			
16	Trigger+30	Radium-228 (F)			
17	Trigger+50	SSC			
18	Trigger+70	SSC; particle size			
19	Trigger+90	SSC			
20	Trigger+110	SSC; particle size			
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 7/20/2013					
Sample Bottle (1 L)	Planned		Actual		
	Start Time (min) 12-Bottle ISCO	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	19:55	Max+10	PCB (UF)
2	Max+11	Gamma spectroscopy (UF)	19:57	Max+12	Particle Size
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	19:59	Max+14	Gamma spectroscopy (UF)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)	20:01	Max+16	Isotopic plutonium, americium-241, and isotopic uranium (UF)
5	Max+14	Strontium-90 (UF)			
6	Max+15	Dioxins and furans (UF)	20:05	Max+20	Dioxins and furans (UF)
7	Max+16	TAL metals (F/UF)	20:07	Max+22	Strontium-90 (UF)
8	Max+17	Gross alpha/beta (UF) cyanide (UF)	20:09	Max+24	TAL metals (F/UF)
9	Max+60	PCB (UF)	20:45	Max+60	PCB (UF)
10	Max+61	Isotopic plutonium (UF)	20:45	Max+60	SSC
11	Max+105	PCB (UF)	Sampling attempted but collection not successful.		
12	Max+106	Isotopic plutonium (UF)			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 7/20/2013					
Sample Bottle (1 L)	Planned		Actual		
	Start Time (min) 24-Bottle ISCO	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	Sampling attempted but collection not successful.		
2	Trigger+2	SSC			
3	Trigger+4	SSC			
4	Trigger+6	SSC			
5	Trigger+8	SSC			
6	Trigger+10	Gamma spectroscopy; isotopic plutonium, americium-241, and isotopic uranium (F)			
7	Trigger+12	SSC; particle size			
8	Trigger+14	Strontium-90 (F)			
9	Trigger+16	SSC			
10	Trigger+18	Radium-226 (UF)			
11	Trigger+20	SSC			
12	Trigger+22	Radium-228 (UF)			
13	Trigger+24	SSC			
14	Trigger+26	Radium-226 (F)			
15	Trigger+28	SSC			
16	Trigger+30	Radium-228 (F)			
17	Trigger+50	SSC			
18	Trigger+70	SSC; particle size			
19	Trigger+90	SSC			
20	Trigger+110	SSC; particle size			
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 7/25-26/2013					
Sample Bottle (1 L)	Planned		Actual		
	Start Time (min) 12-Bottle ISCO	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	23:05	Max+10	PCB (UF)
2	Max+11	Gamma spectroscopy (UF)	23:07	Max+12	Gross alpha/beta (UF) cyanide (UF)
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	23:09	Max+14	TAL metals (F)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)	23:11	Max+16	DOC(F)
5	Max+14	Strontium-90 (UF)	23:14	Max+19	SO4, Cl ⁻ (F)
6	Max+15	Dioxins and furans (UF)			
7	Max+16	TAL metals (F/UF)	Sampling attempted but collection not successful.		
8	Max+17	Gross alpha/beta (UF) cyanide (UF)			
9	Max+60	PCB (UF)			
10	Max+61	Isotopic plutonium (UF)			
11	Max+105	PCB (UF)			
12	Max+106	Isotopic plutonium (UF)			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 7/25-26/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	22:54	Trigger	SSC
2	Trigger+2	SSC	22:57	Trigger+3	SSC
3	Trigger+4	SSC	22:59	Trigger+5	SSC
4	Trigger+6	SSC	23:00	Trigger+6	SSC
5	Trigger+8	SSC	23:02	Trigger+8	SSC
6	Trigger+10	Gamma spectroscopy, isotopic plutonium, americium-241, and isotopic uranium (F)	23:04	Trigger+10	SSC; particle size
7	Trigger+12	SSC; particle size	23:06	Trigger+12	Strontium-90 (F)
8	Trigger+14	Strontium-90 (F)	23:08	Trigger+14	TAL (UF)
9	Trigger+16	SSC	23:10	Trigger+16	Gamma spectroscopy
10	Trigger+18	Radium-226 (UF)	23:13	Trigger+19	Gamma spectroscopy
11	Trigger+20	SSC	23:15	Trigger+21	Isotopic plutonium, americium-241, and isotopic uranium (UF)
12	Trigger+22	Radium-228 (UF)	23:17	Trigger+23	Isotopic plutonium, americium-241, and isotopic uranium (UF)
13	Trigger+24	SSC	23:20	Trigger+26	Cyanide
14	Trigger+26	Radium-226 (F)	Sampling attempted but collection not successful.		
15	Trigger+28	SSC			
16	Trigger+30	Radium-228 (F)	23:24	Trigger+30	Alkalinity+pH
17	Trigger+50	SSC	23:44	Trigger+50	SSC
18	Trigger+70	SSC; particle size	00:04	Trigger+70	SSC
19	Trigger+90	SSC	00:24	Trigger+90	SSC
20	Trigger+110	SSC; particle size	00:44	Trigger+110	SSC
21	Trigger+130	SSC	01:04	Trigger+130	SSC
22	Trigger+150	SSC	02:04	Trigger+150	SSC
23	Trigger+170	SSC	Sampling attempted but collection not successful.		
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 7/26/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	Sampling attempted but collection not successful.		
2	Max+11	Gamma spectroscopy (UF)			
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
5	Max+14	Strontium-90 (UF)			
6	Max+15	Dioxins and furans (UF)			
7	Max+16	TAL metals (F/UF)			
8	Max+17	Gross alpha/beta (UF) cyanide (UF)			
9	Max+60	PCB (UF)			
10	Max+61	Isotopic plutonium (UF)			
11	Max+105	PCB (UF)			
12	Max+106	Isotopic plutonium (UF)			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 7/26/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	17:14	Trigger	Particle Size
2	Trigger+2	SSC	17:16	Trigger+2	SSC
3	Trigger+4	SSC	17:18	Trigger+4	Gamma spectroscopy (UF)
4	Trigger+6	SSC	17:20	Trigger+6	isotopic plutonium, americium-241, and isotopic uranium (UF)
5	Trigger+8	SSC			
6	Trigger+10	Gamma spectroscopy; isotopic plutonium, americium-241, and isotopic uranium (F)	17:24	Trigger+10	Strontium-90 (UF)
7	Trigger+12	SSC; particle size	17:26	Trigger+12	Gross alpha/beta (UF) cyanide (UF)
8	Trigger+14	Strontium-90 (F)	17:28	Trigger+14	Radium-226/Radium-228 (UF)
9	Trigger+16	SSC	17:30	Trigger+16	TAL metals (F)
10	Trigger+18	Radium-226 (UF)	17:32	Trigger+18	TAL metals (UF)
11	Trigger+20	SSC	17:34	Trigger+20	Alkalinity, pH (UF)
12	Trigger+22	Radium-228 (UF)	17:36	Trigger+22	SO ₄ , CL ⁻ (F)
13	Trigger+24	SSC	17:38	Trigger+24	DOC (F)
14	Trigger+26	Radium-226 (F)	17:40	Trigger+26	SSC
15	Trigger+28	SSC	17:42	Trigger+28	Particle Size
16	Trigger+30	Radium-228 (F)	17:44	Trigger+30	SSC
17	Trigger+50	SSC	Sampling attempted but collection not successful.		
18	Trigger+70	SSC; particle size			
19	Trigger+90	SSC			
20	Trigger+110	SSC; particle size			
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 8/3/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	15:40	Max+10	PCB (UF)
2	Max+11	Gamma spectroscopy (UF)	15:42	Max+12	Gross alpha/beta (UF) cyanide (UF)
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	15:45	Max+15	Isotopic plutonium, americium-241, and isotopic uranium (UF)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
5	Max+14	Strontium-90 (UF)	15:50	Max+20	Strontium-90 (UF)
6	Max+15	Dioxins and furans (UF)	15:52	Max+22	Dioxins and furans (UF)
7	Max+16	TAL metals (F/UF)	Sampling attempted but collection not successful.		
8	Max+17	Gross alpha/beta (UF) cyanide (UF)			
9	Max+60	PCB (UF)	16:30	Max+60	PCB (UF)
10	Max+61	Isotopic plutonium (UF)	Sampling attempted but collection not successful.		
11	Max+105	PCB (UF)			
12	Max+106	Isotopic plutonium (UF)			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 8/3/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	15:24	Trigger	SSC; Particle Size
2	Trigger+2	SSC	15:26	Trigger+2	Gamma spectroscopy; Isotopic plutonium, americium-241, and isotopic uranium (F)
3	Trigger+4	SSC			
4	Trigger+6	SSC	Sampling attempted but collection not successful.		
5	Trigger+8	SSC	15:32	Trigger+8	SSC
6	Trigger+10	Gamma spectroscopy; isotopic plutonium, americium-241, and isotopic uranium (F)	15:34	Trigger+10	Gamma spectroscopy (F)
7	Trigger+12	SSC; particle size	15:36	Trigger+12	TAL (F)
8	Trigger+14	Strontium-90 (F)	15:38	Trigger+14	TAL (UF)
9	Trigger+16	SSC	15:40	Trigger+16	Isotopic plutonium(F)
10	Trigger+18	Radium-226 (UF)	15:42	Trigger+18	Strontium-90 (F)
11	Trigger+20	SSC	15:44	Trigger+20	Radium-226, Radium-228 (UF)
12	Trigger+22	Radium-228 (UF)			
13	Trigger+24	SSC	15:48	Trigger+24	Radium-226, Radium-228 (F)
14	Trigger+26	Radium-226 (F)			
15	Trigger+28	SSC	15:52	Trigger+28	Gross alpha/beta (UF)
16	Trigger+30	Radium-228 (F)	15:54	Trigger+30	SSC
17	Trigger+50	SSC	16:14	Trigger+50	Iso Pu (UF)
18	Trigger+70	SSC; particle size	16:34	Trigger+70	SSC
19	Trigger+90	SSC	16:54	Trigger+90	Cyanide (UF)
20	Trigger+110	SSC; particle size	17:14	Trigger+110	SO4, Cl ⁻ (F)
21	Trigger+130	SSC	17:34	Trigger+130	DOC (F)
22	Trigger+150	SSC	17:54	Trigger+150	Alkalinity, pH (UF)
23	Trigger+170	SSC	Sampling attempted but collection not successful.		
24	Trigger+190	SSC	18:34	Trigger+190	Particle Size

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 8/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	18:35	Max+10	SSC
2	Max+11	Gamma spectroscopy (UF)	Sampling attempted but collection not successful.		
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
5	Max+14	Strontium-90 (UF)			
6	Max+15	Dioxins and furans (UF)			
7	Max+16	TAL metals (F/UF)			
8	Max+17	Gross alpha/beta (UF) cyanide (UF)			
9	Max+60	PCB (UF)			
10	Max+61	Isotopic plutonium (UF)			
11	Max+105	PCB (UF)			
12	Max+106	Isotopic plutonium (UF)			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 8/5/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	18:14	Trigger	SSC; Particle Size
2	Trigger+2	SSC	18:16	Trigger+2	SSC
3	Trigger+4	SSC			
4	Trigger+6	SSC	18:18	Trigger+4	SSC
5	Trigger+8	SSC	18:20	Trigger+6	SSC
6	Trigger+10	Gamma spectroscopy; isotopic plutonium, americium-241, and isotopic uranium (F)	18:22	Trigger+8	SSC
7	Trigger+12	SSC; particle size	18:24	Trigger+10	SSC
8	Trigger+14	Strontium-90 (F)	Sampling attempted but collection not successful.		
9	Trigger+16	SSC			
10	Trigger+18	Radium-226 (UF)			
11	Trigger+20	SSC			
12	Trigger+22	Radium-228 (UF)			
13	Trigger+24	SSC			
14	Trigger+26	Radium-226 (F)			
15	Trigger+28	SSC			
16	Trigger+30	Radium-228 (F)			
17	Trigger+50	SSC			
18	Trigger+70	SSC; particle size			
19	Trigger+90	SSC			
20	Trigger+110	SSC; particle size			
21	Trigger+130	SSC			
22	Trigger+150	SSC			
23	Trigger+170	SSC			
24	Trigger+190	SSC			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 8/9/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	15:45	Max+10	PCB (UF)
2	Max+11	Gamma spectroscopy (UF)	15:47	Max+12	Gamma Spectroscopy (UF)
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	15:49	Max+14	Isotopic plutonium, americium-241, and isotopic uranium (UF)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
5	Max+14	Strontium-90 (UF)	15:53	Max+18	Strontium-90 (UF)
6	Max+15	Dioxins and furans (UF)	15:55	Max+20	Dioxins and furans (UF)
7	Max+16	TAL metals (F/UF)	15:58	Max+23	TAL metals (F/UF)
8	Max+17	Gross alpha/beta (UF) cyanide (UF)	15:58	Max+23	Gross alpha/beta (UF)
9	Max+60	PCB (UF)	16:35	Max+60	PCB (UF)
10	Max+61	Isotopic plutonium (UF)	16:35	Max+60	Isotopic Plutonium (UF)
11	Max+105	PCB (UF)	17:20	Max+105	PCB (UF)
12	Max+106	Isotopic plutonium (UF)	17:20	Max+105	Isotopic Plutonium (UF)

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 8/9/2013					
Sample Bottle (1 L)	Planned		Actual		
	24Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	15:34	Trigger	SSC
2	Trigger+2	SSC	15:37	Trigger+3	SSC
3	Trigger+4	SSC	15:40	Trigger+6	SSC, Particle Size
4	Trigger+6	SSC	15:42	Trigger+8	Gamma spectroscopy (F)
5	Trigger+8	SSC	15:43	Trigger+9	Isotopic plutonium, americium-241, and isotopic uranium (F)
6	Trigger+10	Gamma spectroscopy; isotopic plutonium, americium-241, and isotopic uranium (F)			
7	Trigger+12	SSC; particle size	15:46	Trigger+13	Strontium-90 (F)
8	Trigger+14	Strontium-90 (F)	15:49	Trigger+15	Radium-226, Radium-228 (UF)
9	Trigger+16	SSC			
10	Trigger+18	Radium-226 (UF)	15:52	Trigger+18	Radium-226, Radium-228 (F)
11	Trigger+20	SSC			
12	Trigger+22	Radium-228 (UF)	15:56	Trigger+22	SSC, Particle Size
13	Trigger+24	SSC	15:58	Trigger+24	SSC
14	Trigger+26	Radium-226 (F)	16:00	Trigger+26	SSC
15	Trigger+28	SSC	16:02	Trigger+28	SSC
16	Trigger+30	Radium-228 (F)	16:04	Trigger+30	SSC
17	Trigger+50	SSC	16:24	Trigger+50	SSC
18	Trigger+70	SSC; particle size	16:44	Trigger+70	SSC
19	Trigger+90	SSC	Sampling attempted but collection not successful.		
20	Trigger+110	SSC; particle size			
21	Trigger+130	SSC	17:44	Trigger+130	SSC
22	Trigger+150	SSC	18:04	Trigger+150	SSC
23	Trigger+170	SSC	18:24	Trigger+170	SSC
24	Trigger+190	SSC	Sampling attempted but collection not successful.		

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	12-Bottle ISCO Start Time (min)	Analytical Suites 12-Bottle ISCO	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Max+10	PCB (UF)	15:40	Max+10	SSC
2	Max+11	Gamma spectroscopy (UF)	15:42	Max+12	Gamma Spectroscopy (UF)
3	Max+12	Isotopic plutonium, americium-241, and isotopic uranium (UF)	15:44	Max+14	Isotopic plutonium, americium-241, and isotopic uranium (UF)
4	Max+13	Isotopic plutonium, americium-241, and isotopic uranium (UF)			
5	Max+14	Strontium-90 (UF)	15:48	Max+18	Strontium-90 (UF)
6	Max+15	Dioxins and furans (UF)	15:50	Max+20	TAL (UF)
7	Max+16	TAL metals (F/UF)	15:52	Max+22	TAL (F)
8	Max+17	Gross alpha/beta (UF) cyanide (UF)	15:54	Max+24	Gross alpha/gross beta (UF)
9	Max+60	PCB (UF)	16:30	Max+60	SSC
10	Max+61	Isotopic plutonium (UF)	Sampling attempted but collection not successful.		
11	Max+105	PCB (UF)			
12	Max+106	Isotopic plutonium (UF)			

Table 2.4-4 (continued)

E109.9, Los Alamos above Rio Grande, Sampled 9/12/2013					
Sample Bottle (1 L)	Planned		Actual		
	24-Bottle ISCO Start Time (min)	Analytical Suites 24-Bottle ISCO 1-L Poly Wedge ^a	Sample Collection Time	12-Bottle ISCO Start Time (min)	Analyses Requested
1	Trigger	SSC	15:39	Trigger	SSC
2	Trigger+2	SSC	15:42	Trigger+3	SSC
3	Trigger+4	SSC	15:44	Trigger+5	SSC
4	Trigger+6	SSC	15:46	Trigger+7	Gamma spectroscopy (UF)
5	Trigger+8	SSC	15:48	Trigger+9	Gamma spectroscopy; isotopic plutonium, americium-241, and isotopic uranium (UF)
6	Trigger+10	Gamma spectroscopy; isotopic plutonium, americium-241, and isotopic uranium (F)			
7	Trigger+12	SSC; particle size	15:53	Trigger+14	SSC; particle size
8	Trigger+14	Strontium-90 (F)	15:55	Trigger+16	Strontium-90 (UF)
9	Trigger+16	SSC	15:57	Trigger+18	TAL Metals (F)
10	Trigger+18	Radium-226 (UF)	15:59	Trigger+20	DOC (F)
11	Trigger+20	SSC	16:01	Trigger+22	SO ₄ , Cl ⁻
12	Trigger+22	Radium-228 (UF)	16:03	Trigger+24	Alkalinity, pH (UF)
13	Trigger+24	SSC	16:05	Trigger+26	SSC
14	Trigger+26	Radium-226 (F)	16:05	Trigger+26	Radium-226; Radium-228 (UF)
15	Trigger+28	SSC			
16	Trigger+30	Radium-228 (F)	16:09	Trigger+30	Radium-226; Radium-228 (UF)
17	Trigger+50	SSC			
18	Trigger+70	SSC; particle size	16:49	Trigger+70	SSC; particle size
19	Trigger+90	SSC	17:09	Trigger+90	SSC
20	Trigger+110	SSC; particle size	17:29	Trigger+110	SSC; particle size
21	Trigger+130	SSC	17:49	Trigger+130	SSC
22	Trigger+150	SSC	18:09	Trigger+150	SSC
23	Trigger+170	SSC	18:29	Trigger+170	SSC
24	Trigger+190	SSC	18:49	Trigger+190	SSC

^a UF = Unfiltered.^b F = Filtered.^c TOC = Total organic carbon.^d n/a = Not applicable.

Table 2.6-1
Sample Collection and Sample Retrieval Working Day Intervals

Location	Count of Sampled Storm Events	Count Retrieved on First Working Day	Count Retrieved after First Working Day	Comment
CO101038	2	1	1	1 working day between sample collection on Fri 7/12 sample retrieval on Mon 7/15. 34 working days between sample collection on Wed 9/18 sample retrieval on Tue 11/05.
CO111041	9	3	6	1 working day between sample collection on Fri 6/14 sample retrieval on Mon 6/17. 6 working days between sample collection on Sun 6/30 sample retrieval on Tue 7/09. 1 working day between sample collection on Fri 7/12 sample retrieval on Mon 7/15. 1 working day between sample collection on Sat 7/13 sample retrieval on Mon 7/15. 2 working days between sample collection on Sun 7/28 sample retrieval on Tue 7/30. 2 working days between sample collection on Fri 7/05 sample retrieval on Tue 7/09. 2 working days between sample collection on Mon 8/05 sample retrieval on Wed 8/07. 4 working days between sample collection on Fri 8/09 sample retrieval on Thu 8/15. 2 working days between sample collection on Tue 9/10 sample retrieval on Thu 9/12.
E026	1	0	1	3 working days between sample collection on Thu 9/12 sample retrieval on Tue 9/17.
E030	2	1	1	1 working day between sample collection on Fri 7/12 sample retrieval on Mon 7/15. 11 working days between sample collection on Thu 9/12 sample retrieval on Fri 9/27.
E038	5	1	4	1 working day between sample collection on Fri 6/14 sample retrieval on Mon 6/17. 7 working days between sample collection on Sun 6/30 sample retrieval on Tue 7/09. 3 working days between sample collection on Fri 7/12 sample retrieval on Wed 7/17. 3 working days between sample collection on Sun 7/28 sample retrieval on Wed 7/31. 4 working days between sample collection on Mon 8/05 sample retrieval on Fri 8/09.

Table 2.6-1 (continued)

Location	Count of Sampled Storm Events	Count Retrieved on First Working Day	Count Retrieved after First Working Day	Comment
E039.1	9	2	7	<p>1 working day between sample collection on Fri 6/14 sample retrieval on Mon 6/17.</p> <p>7 working days between sample collection on Sun 6/30 sample retrieval on Tue 7/09.</p> <p>3 working days between sample collection on Fri 7/12 sample retrieval on Wed 7/17.</p> <p>3 working days between sample collection on Sun 7/28 sample retrieval on Wed 7/31.</p> <p>5 working days between sample collection on Sun 8/04 sample retrieval on Fri 8/09.</p> <p>1 working day between sample collection on Fri 8/09 sample retrieval on Mon 8/12.</p> <p>2 working days between sample collection on Tue 9/10 sample retrieval on Thu 9/12.</p> <p>11 working days between sample collection on Thu 9/12 sample retrieval on Fri 9/27.</p> <p>2 working days between sample collection on Tue 11/05 sample retrieval on Thu 11/07.</p>
E040	4	0	4	<p>3 working days between sample collection on Fri 7/12 sample retrieval on Wed 7/17.</p> <p>2 working days between sample collection on Mon 8/05 sample retrieval on Wed 8/07.</p> <p>2 working days between sample collection on Tue 9/10 sample retrieval on Thu 9/12.</p> <p>11 working days between sample collection on Thu 9/12 sample retrieval on Fri 9/27.</p>
E042.1	3	3	0	<p>1 working day between sample collection on Fri 7/12 sample retrieval on Mon 7/15.</p> <p>1 working day between sample collection on Mon 8/05 sample retrieval on Tue 8/06.</p> <p>1 working day between sample collection on Tue 9/10 sample retrieval on Wed 9/11.</p>
E050.1	5	4	1	<p>1 working day between sample collection on Fri 7/12 sample retrieval on Mon 7/15.</p> <p>1 working day between sample collection on Mon 8/05 sample retrieval on Tue 8/06.</p> <p>1 working day between sample collection on Tue 9/10 sample retrieval on Wed 9/11.</p> <p>0 working day between sample collection on Wed 9/11 sample retrieval on Wed 9/11.</p> <p>3 working days between sample collection on Thu 9/12 sample retrieval on Tue 9/17.</p>

Table 2.6-1 (continued)

Location	Count of Sampled Storm Events	Count Retrieved on First Working Day	Count Retrieved after First Working Day	Comment
E055	2	1	1	1 working day between sample collection on Fri 6/14 sample retrieval on Mon 6/17. 4 working days between sample collection on Thu 9/12 sample retrieval on Wed 9/18.
E055.5	2	0	2	2 working days between sample collection on Fri 7/12 sample retrieval on Tue 7/16. 3 working days between sample collection on Fri 9/13 sample retrieval on Wed 9/18.
E056	4	1	3	1 working day between sample collection on Fri 6/14 sample retrieval on Mon 6/17. 2 working days between sample collection on Fri 7/12 sample retrieval on Tue 7/16. 2 working days between sample collection on Mon 8/05 sample retrieval on Wed 8/07. 4 working days between sample collection on Thu 9/12 sample retrieval on Wed 9/18.
E109.9	10	8	2	1 working day between sample collection on Mon 7/08 sample retrieval on Tue 7/09. 1 working day between sample collection on Fri 7/12 sample retrieval on Mon 7/15. 1 working day between sample collection on Sat 7/20 sample retrieval on Mon 7/22. 1 working day between sample collection on Thu 7/25 sample retrieval on Fri 7/26. 0 working days between sample collection on Fri 7/26 sample retrieval on Fri 7/26. 1 working day between sample collection on Fri 7/26 sample retrieval on Mon 7/29. 1 working day between sample collection on Sat 8/03 sample retrieval on Mon 8/05. 1 working day between sample collection on Mon 8/05 sample retrieval on Tue 8/06. 23 working days between sample collection on Fri 8/09 sample retrieval on Wed 9/11. 8 working days between sample collection on Thu 9/12 sample retrieval on Tue 9/24.

Table 2.6-2
Gage Station Operational Issues during the 2012~~3~~ Monitoring Year

Station	Operational Issue	Issue Date	Repair Date	Working Days from Issue to Repair	Potential Discharge above Trigger
E026	Silting in stilling well.	9/3/2013	1/23/2014	74	9/22/2013
E030	Silting in stilling well.	9/11/2013	9/27/2013	12	9/22/2013
E038	None				None
E039.1	Encoder tape dislodged from wheel during high flow event.	7/12/2013	7/17/2013	3	None
E040	Silting in channel.	7/12/2013	7/17/2013	3	None
	Silting in channel.	7/26/2013	8/7/2013	8	8/5/2013
	Silting in channel.	8/9/2013	8/15/2013	4	None
	Silting in channel.	9/11/2013	9/12/2013	1	9/11/2013
	Large boulders and rock under probe.	9/13/2013	2/20/2014	88	9/18/2013, 9/22/2013
E042.1	Sutron malfunction	7/8/2013	7/8/2013	0	None
	Silting	7/12/2013	7/15/2013	1	None
	Silting	7/25/2013	8/7/2013	8	7/26/2013, 7/27/2013, 7/28/2013
	Sutron power failure	8/19/2013	8/19/2013	0	None
	Major station damage from high-flow event.	9/13/2013	9/20/2013	5	9/14/2013
E050.1	Encoder shifted.	8/6/2013	8/6/2013	0	none
	Silting	9/13/2013	9/20/2013	5	9/14/2013
E055	None				None
E055.5	None				None
E056	Silting	None	6/17/2013	1	none
	Silting, Sutron malfunction	None	9/18/2013	3	none
E059	Major station damage from high-flow event. Greenlee, ISCOs, and batteries are washed 1 mile downstream.	None	11/13/2013	27	none

Table 2.6-2 (continued)

Station	Operational Issue	Issue Date	Repair Date	Working Days from Issue to Repair	Potential Discharge above Trigger
E060.1	Major station damage from high-flow event.	9/13/2013	9/19/2013	4	none
E109.9	Sutron malfunction	6/25/2013	6/26/2013	1	none
	Silting.	7/8/2013	7/9/2013	1	none
	Encoder tape dislodged during MSS maintenance.	7/10/2013	7/10/2013	0	none
	Encoder tape dislodged during MSS maintenance.	7/12/2013	7/15/2013	1	none
	Sutron malfunction.	7/21/2013	7/22/2013	1	none
	Silting.	7/26/2013	7/29/2013	1	none
	Silting.	8/3/2013	8/5/2013	1	none
	Silting.	8/5/2013	8/6/2013	1	none
	Major station damage from high-flow event.	9/13/2013	No repair	Not applicable	Unknown

Table 2.6-3
Gaging Station and Sampler Inspection Intervals

Gage Station	Inspection Date	Days from Previous Inspection
CO101038	06-Nov-12	Initial
CO101038	13-Nov-12	7
CO101038	21-Nov-12	8
CO101038	28-Nov-12	7
CO101038	12-Dec-12	14
CO101038	28-May-13	167
CO101038	12-Jun-13	15
CO101038	17-Jun-13	5
CO101038	09-Jul-13	22
CO101038	15-Jul-13	6
CO101038	30-Jul-13	15
CO101038	07-Aug-13	8
CO101038	15-Aug-13	8
CO101038	21-Aug-13	0
CO101038	05-Sep-13	15
CO101038	12-Sep-13	7
CO101038	17-Sep-13	5
CO101038	05-Nov-13	49
CO111041	06-Nov-12	Initial
CO111041	13-Nov-12	7
CO111041	21-Nov-12	8
CO111041	28-Nov-12	7
CO111041	12-Dec-12	14
CO111041	28-May-13	167
CO111041	12-Jun-13	15
CO111041	17-Jun-13	5
CO111041	09-Jul-13	22
CO111041	15-Jul-13	6
CO111041	30-Jul-13	15
CO111041	07-Aug-13	8
CO111041	15-Aug-13	8
CO111041	21-Aug-13	6
CO111041	05-Sep-13	15
CO111041	12-Sep-13	7
CO111041	17-Sep-13	5
CO111041	05-Nov-13	49
E026	08-Nov-12	Initial
E026	15-Nov-12	7

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E026	19-Nov-12	4
E026	19-Nov-12	0
E026	29-Nov-12	10
E026	12-Dec-12	13
E026	23-Jan-13	42
E026	05-Feb-13	13
E026	13-Mar-13	36
E026	09-Apr-13	27
E026	28-May-13	49
E026	31-May-13	3
E026	10-Jun-13	10
E026	28-Jun-13	18
E026	08-Jul-13	10
E026	26-Jul-13	18
E026	31-Jul-13	5
E026	09-Aug-13	9
E026	15-Aug-13	6
E026	04-Sep-13	20
E026	05-Sep-13	1
E026	17-Sep-13	12
E026	30-Sep-13	13
E026	01-Oct-13	1
E026	05-Nov-13	35
E026	02-Dec-13	27
E026	23-Dec-13	21
E030	05-Nov-12	Initial
E030	13-Nov-12	8
E030	19-Nov-12	6
E030	19-Nov-12	0
E030	27-Nov-12	8
E030	05-Dec-12	8
E030	22-Jan-13	48
E030	28-Jan-13	6
E030	05-Feb-13	8
E030	13-Mar-13	36
E030	03-Apr-13	21
E030	28-May-13	55
E030	31-May-13	3

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E030	10-Jun-13	10
E030	28-Jun-13	18
E030	08-Jul-13	10
E030	08-Jul-13	0
E030	15-Jul-13	7
E030	31-Jul-13	16
E030	07-Aug-13	7
E030	15-Aug-13	8
E030	04-Sep-13	20
E030	05-Sep-13	1
E030	20-Sep-13	15
E030	27-Sep-13	7
E030	30-Sep-13	3
E030	01-Oct-13	1
E030	07-Nov-13	37
E030	02-Dec-13	25
E030	11-Dec-13	9
E038	06-Nov-12	Initial
E038	15-Nov-12	9
E038	21-Nov-12	6
E038	21-Nov-12	0
E038	27-Nov-12	6
E038	28-Nov-12	1
E038	12-Dec-12	14
E038	30-Jan-13	49
E038	19-Feb-13	20
E038	11-Mar-13	20
E038	11-Apr-13	31
E038	30-May-13	49
E038	31-May-13	1
E038	12-Jun-13	12
E038	17-Jun-13	5
E038	28-Jun-13	11
E038	09-Jul-13	11
E038	17-Jul-13	8
E038	31-Jul-13	14
E038	31-Jul-13	0
E038	09-Aug-13	9

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E038	12-Aug-13	3
E038	04-Sep-13	23
E038	06-Sep-13	2
E038	20-Sep-13	14
E038	27-Sep-13	7
E038	30-Sep-13	3
E038	01-Oct-13	1
E038	07-Nov-13	37
E038	02-Dec-13	25
E038	24-Dec-13	22
E039.1	06-Nov-12	Initial
E039.1	13-Nov-12	7
E039.1	21-Nov-12	8
E039.1	21-Nov-12	0
E039.1	27-Nov-12	6
E039.1	12-Dec-12	15
E039.1	30-Jan-13	49
E039.1	19-Feb-13	20
E039.1	11-Mar-13	20
E039.1	11-Apr-13	31
E039.1	29-May-13	48
E039.1	31-May-13	2
E039.1	12-Jun-13	12
E039.1	17-Jun-13	5
E039.1	28-Jun-13	11
E039.1	09-Jul-13	11
E039.1	17-Jul-13	8
E039.1	31-Jul-13	14
E039.1	31-Jul-13	0
E039.1	09-Aug-13	9
E039.1	12-Aug-13	3
E039.1	04-Sep-13	23
E039.1	06-Sep-13	2
E039.1	12-Sep-13	6
E039.1	27-Sep-13	15
E039.1	30-Sep-13	3
E039.1	01-Oct-13	1
E039.1	06-Nov-13	36

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E039.1	02-Dec-13	26
E039.1	04-Dec-13	2
E039.1	24-Dec-13	20
E040	05-Nov-12	Initial
E040	13-Nov-12	8
E040	19-Nov-12	6
E040	19-Nov-12	0
E040	27-Nov-12	8
E040	03-Dec-12	6
E040	18-Dec-12	15
E040	03-Jan-13	16
E040	22-Jan-13	19
E040	05-Feb-13	14
E040	13-Mar-13	36
E040	09-Apr-13	27
E040	08-May-13	29
E040	31-May-13	23
E040	10-Jun-13	10
E040	28-Jun-13	18
E040	08-Jul-13	10
E040	17-Jul-13	9
E040	31-Jul-13	14
E040	07-Aug-13	7
E040	15-Aug-13	8
E040	04-Sep-13	20
E040	05-Sep-13	1
E040	12-Sep-13	7
E040	27-Sep-13	15
E040	30-Sep-13	3
E040	01-Oct-13	1
E040	07-Nov-13	37
E040	02-Dec-13	25
E040	11-Dec-13	9
E042.1	05-Nov-12	Initial
E042.1	13-Nov-12	8
E042.1	19-Nov-12	6
E042.1	19-Nov-12	0
E042.1	27-Nov-12	8

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E042.1	28-Nov-12	1
E042.1	05-Dec-12	7
E042.1	22-Jan-13	48
E042.1	24-Jan-13	2
E042.1	05-Feb-13	12
E042.1	06-Mar-13	29
E042.1	09-Apr-13	34
E042.1	23-May-13	44
E042.1	31-May-13	8
E042.1	06-Jun-13	6
E042.1	28-Jun-13	22
E042.1	08-Jul-13	10
E042.1	15-Jul-13	7
E042.1	30-Jul-13	15
E042.1	31-Jul-13	1
E042.1	07-Aug-13	7
E042.1	15-Aug-13	8
E042.1	19-Aug-13	4
E042.1	04-Sep-13	16
E042.1	05-Sep-13	1
E042.1	11-Sep-13	6
E042.1	20-Sep-13	9
E042.1	27-Sep-13	7
E042.1	30-Sep-13	3
E042.1	01-Oct-13	1
E042.1	06-Nov-13	36
E042.1	02-Dec-13	26
E042.1	04-Dec-13	2
E042.1	11-Dec-13	7
E050.1	05-Nov-12	Initial
E050.1	13-Nov-12	8
E050.1	20-Nov-12	7
E050.1	28-Nov-12	8
E050.1	28-Nov-12	0
E050.1	05-Dec-12	7
E050.1	12-Dec-12	7
E050.1	18-Dec-12	6
E050.1	03-Jan-13	16

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E050.1	09-Jan-13	6
E050.1	17-Jan-13	8
E050.1	22-Jan-13	5
E050.1	28-Jan-13	6
E050.1	05-Feb-13	8
E050.1	12-Feb-13	7
E050.1	21-Feb-13	9
E050.1	27-Feb-13	6
E050.1	06-Mar-13	7
E050.1	13-Mar-13	7
E050.1	19-Mar-13	6
E050.1	26-Mar-13	7
E050.1	03-Apr-13	8
E050.1	09-Apr-13	6
E050.1	16-Apr-13	7
E050.1	17-Apr-13	1
E050.1	22-Apr-13	5
E050.1	29-Apr-13	7
E050.1	07-May-13	8
E050.1	13-May-13	6
E050.1	17-May-13	4
E050.1	22-May-13	5
E050.1	28-May-13	6
E050.1	04-Jun-13	7
E050.1	06-Jun-13	2
E050.1	13-Jun-13	7
E050.1	20-Jun-13	7
E050.1	26-Jun-13	6
E050.1	28-Jun-13	2
E050.1	01-Jul-13	3
E050.1	08-Jul-13	7
E050.1	15-Jul-13	7
E050.1	25-Jul-13	10
E050.1	29-Jul-13	4
E050.1	31-Jul-13	2
E050.1	06-Aug-13	6
E050.1	15-Aug-13	9
E050.1	23-Aug-13	8

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E050.1	28-Aug-13	5
E050.1	04-Sep-13	7
E050.1	06-Sep-13	2
E050.1	11-Sep-13	5
E050.1	17-Sep-13	6
E050.1	20-Sep-13	3
E050.1	27-Sep-13	7
E050.1	30-Sep-13	3
E050.1	01-Oct-13	1
E050.1	04-Oct-13	3
E050.1	11-Oct-13	7
E050.1	15-Oct-13	4
E050.1	24-Oct-13	9
E050.1	05-Nov-13	12
E050.1	15-Nov-13	10
E050.1	20-Nov-13	5
E050.1	26-Nov-13	6
E050.1	02-Dec-13	6
E050.1	06-Dec-13	4
E050.1	09-Dec-13	3
E050.1	19-Dec-13	10
E050.1	20-Dec-13	1
E050.1	23-Dec-13	3
E055	02-Nov-12	Initial
E055	07-Nov-12	5
E055	15-Nov-12	8
E055	21-Nov-12	6
E055	21-Nov-12	0
E055	29-Nov-12	8
E055	13-Dec-12	14
E055	23-Jan-13	41
E055	13-Feb-13	21
E055	18-Mar-13	33
E055	01-Apr-13	14
E055	29-May-13	58
E055	31-May-13	2
E055	13-Jun-13	13
E055	17-Jun-13	4

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E055	28-Jun-13	11
E055	11-Jul-13	13
E055	16-Jul-13	5
E055	31-Jul-13	15
E055	07-Aug-13	7
E055	15-Aug-13	8
E055	04-Sep-13	20
E055	06-Sep-13	2
E055	16-Sep-13	10
E055	18-Sep-13	2
E055	30-Sep-13	12
E055	01-Oct-13	1
E055	06-Nov-13	36
E055	02-Dec-13	26
E055	20-Dec-13	18
E055.5	02-Nov-12	Initial
E055.5	06-Nov-12	4
E055.5	16-Nov-12	10
E055.5	16-Nov-12	0
E055.5	21-Nov-12	5
E055.5	28-Nov-12	7
E055.5	13-Dec-12	15
E055.5	04-Jan-13	22
E055.5	07-Jan-13	3
E055.5	14-Jan-13	7
E055.5	23-Jan-13	9
E055.5	20-Feb-13	28
E055.5	18-Mar-13	26
E055.5	01-Apr-13	14
E055.5	25-Apr-13	24
E055.5	30-May-13	35
E055.5	31-May-13	1
E055.5	13-Jun-13	13
E055.5	20-Jun-13	7
E055.5	28-Jun-13	8
E055.5	11-Jul-13	13
E055.5	16-Jul-13	5
E055.5	31-Jul-13	15

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E055.5	09-Aug-13	9
E055.5	15-Aug-13	6
E055.5	04-Sep-13	20
E055.5	06-Sep-13	2
E055.5	18-Sep-13	12
E055.5	30-Sep-13	12
E055.5	30-Sep-13	0
E055.5	01-Oct-13	1
E055.5	06-Nov-13	36
E055.5	02-Dec-13	26
E055.5	10-Dec-13	8
E056	02-Nov-12	Initial
E056	07-Nov-12	5
E056	15-Nov-12	8
E056	21-Nov-12	6
E056	21-Nov-12	0
E056	28-Nov-12	7
E056	29-Nov-12	1
E056	13-Dec-12	14
E056	23-Jan-13	41
E056	13-Feb-13	21
E056	18-Mar-13	33
E056	01-Apr-13	14
E056	29-May-13	58
E056	31-May-13	2
E056	13-Jun-13	13
E056	17-Jun-13	4
E056	28-Jun-13	11
E056	11-Jul-13	13
E056	16-Jul-13	5
E056	31-Jul-13	15
E056	07-Aug-13	7
E056	15-Aug-13	8
E056	04-Sep-13	20
E056	06-Sep-13	2
E056	18-Sep-13	12
E056	30-Sep-13	12
E056	01-Oct-13	1

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E056	06-Nov-13	36
E056	02-Dec-13	26
E056	20-Dec-13	18
E059	06-Nov-12	Initial
E059	15-Nov-12	9
E059	19-Nov-12	4
E059	19-Nov-12	0
E059	28-Nov-12	9
E059	05-Dec-12	7
E059	28-Jan-13	54
E059	13-Feb-13	16
E059	18-Mar-13	33
E059	01-Apr-13	14
E059	13-May-13	42
E059	31-May-13	18
E059	06-Jun-13	6
E059	28-Jun-13	22
E059	11-Jul-13	13
E059	26-Jul-13	15
E059	31-Jul-13	5
E059	09-Aug-13	9
E059	15-Aug-13	6
E059	04-Sep-13	20
E059	06-Sep-13	2
E059	20-Sep-13	14
E059	26-Sep-13	6
E059	30-Sep-13	4
E059	01-Oct-13	1
E059	13-Nov-13	43
E059	02-Dec-13	19
E059	13-Dec-13	11
E059	23-Dec-13	10
E060.1	02-Nov-12	Initial
E060.1	05-Nov-12	3
E060.1	13-Nov-12	8
E060.1	20-Nov-12	7
E060.1	28-Nov-12	8
E060.1	05-Dec-12	7

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E060.1	12-Dec-12	7
E060.1	18-Dec-12	6
E060.1	04-Jan-13	17
E060.1	09-Jan-13	5
E060.1	17-Jan-13	8
E060.1	24-Jan-13	7
E060.1	28-Jan-13	4
E060.1	06-Feb-13	9
E060.1	12-Feb-13	6
E060.1	21-Feb-13	9
E060.1	25-Feb-13	4
E060.1	06-Mar-13	9
E060.1	13-Mar-13	7
E060.1	19-Mar-13	6
E060.1	26-Mar-13	7
E060.1	03-Apr-13	8
E060.1	09-Apr-13	6
E060.1	17-Apr-13	8
E060.1	17-Apr-13	0
E060.1	22-Apr-13	5
E060.1	29-Apr-13	7
E060.1	07-May-13	8
E060.1	13-May-13	6
E060.1	22-May-13	9
E060.1	28-May-13	6
E060.1	31-May-13	3
E060.1	06-Jun-13	6
E060.1	13-Jun-13	7
E060.1	20-Jun-13	7
E060.1	26-Jun-13	6
E060.1	28-Jun-13	2
E060.1	01-Jul-13	3
E060.1	10-Jul-13	9
E060.1	17-Jul-13	7
E060.1	25-Jul-13	8
E060.1	29-Jul-13	4
E060.1	31-Jul-13	2
E060.1	09-Aug-13	9

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E060.1	15-Aug-13	6
E060.1	23-Aug-13	8
E060.1	28-Aug-13	5
E060.1	04-Sep-13	7
E060.1	06-Sep-13	2
E060.1	11-Sep-13	5
E060.1	20-Sep-13	9
E060.1	27-Sep-13	7
E060.1	30-Sep-13	3
E060.1	01-Oct-13	1
E060.1	04-Oct-13	3
E060.1	11-Oct-13	7
E060.1	15-Oct-13	4
E060.1	24-Oct-13	9
E060.1	05-Nov-13	12
E060.1	15-Nov-13	10
E060.1	22-Nov-13	7
E060.1	26-Nov-13	4
E060.1	02-Dec-13	6
E060.1	06-Dec-13	4
E060.1	12-Dec-13	6
E060.1	18-Dec-13	6
E060.1	20-Dec-13	2
E060.1	24-Dec-13	4
E109.9	06-Nov-12	Initial
E109.9	07-Nov-12	1
E109.9	13-Nov-12	6
E109.9	20-Nov-12	7
E109.9	28-Nov-12	8
E109.9	28-Nov-12	0
E109.9	05-Dec-12	7
E109.9	12-Dec-12	7
E109.9	18-Dec-12	6
E109.9	04-Jan-13	17
E109.9	04-Jan-13	0
E109.9	09-Jan-13	5
E109.9	17-Jan-13	8
E109.9	24-Jan-13	7

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E109.9	28-Jan-13	4
E109.9	05-Feb-13	8
E109.9	12-Feb-13	7
E109.9	21-Feb-13	9
E109.9	27-Feb-13	6
E109.9	06-Mar-13	7
E109.9	13-Mar-13	7
E109.9	19-Mar-13	6
E109.9	25-Mar-13	6
E109.9	03-Apr-13	9
E109.9	09-Apr-13	6
E109.9	16-Apr-13	7
E109.9	22-Apr-13	6
E109.9	29-Apr-13	7
E109.9	02-May-13	3
E109.9	09-May-13	7
E109.9	15-May-13	6
E109.9	17-May-13	2
E109.9	22-May-13	5
E109.9	29-May-13	7
E109.9	31-May-13	2
E109.9	05-Jun-13	5
E109.9	13-Jun-13	8
E109.9	20-Jun-13	7
E109.9	21-Jun-13	1
E109.9	26-Jun-13	5
E109.9	28-Jun-13	2
E109.9	01-Jul-13	3
E109.9	08-Jul-13	7
E109.9	09-Jul-13	1
E109.9	10-Jul-13	1
E109.9	15-Jul-13	5
E109.9	19-Jul-13	4
E109.9	23-Jul-13	4
E109.9	26-Jul-13	3
E109.9	30-Jul-13	4
E109.9	31-Jul-13	1
E109.9	01-Aug-13	1

Table 2.6-3 (continued)

Gage Station	Inspection Date	Days from Previous Inspection
E109.9	05-Aug-13	4
E109.9	06-Aug-13	1
E109.9	15-Aug-13	9
E109.9	04-Sep-13	20
E109.9	11-Sep-13	7
E109.9	20-Sep-13	9
E109.9	24-Sep-13	4

Table 3.1-1
Drainage Areas, Impermeable Surface Percentages, and
Las Conchas Fire Burn Areas in the Los Alamos Canyon Watershed

Canyon	Gage	Drainage to Gage (acres)	Impermeable Surface (%)^a	Las Conchas Fire, High- and Moderate- Burn Severity (%)
Acid	E055.5	53	81	0
Acid ^b	E056	237	70	0
Acid	Acid Canyon above E056	290	72	0
Pueblo	E055	2191	25	0
Pueblo ^b	E059	1827	39	0
Pueblo ^b	E060.1	1006	8	0
Pueblo	Pueblo Canyon above E060.1	5310	29	0
DP	E038	144	88	0
DP ^b	E039.1	112	29	0
DP ^b	E040	133	24	0
DP	DP Canyon above E039.1	256	62	0
DP	DP Canyon above E040	388	49	0
LA	E026	4534	2	42
LA ^b	E030	960	30	0
LA ^b	E042.1	601	12	0
LA ^b	E050.1	195	11	0
LA ^b	E109.9 (including Guaje Canyon)	25,800	8	12
LA	Los Alamos Canyon above E050.1	6680	10	29
LA	Los Alamos, Pueblo, and Guaje Canyons above E109.9	37,800	11	13
LA ^b	Los Alamos Canyon between E050.1, E060.1, and E109.9	4761	19	0
Guaje	E099	21,000	5	15

^a Percent of impermeable surface does not account for hydrophobic soils in the Las Conchas burn area.

^b Drainage area shown in this row does not extend to head of watershed above gage, excluding areas of subwatersheds that are also shown in this table.

Table 3.2-1
Travel Time of Flood Bore, Peak Discharge, Increase or Decrease in Peak Discharge, and Percent Change
in Peak Discharge from Upstream to Downstream Stations for Sampled 2013 Runoff Events in Lower LA/P Watershed

Date	Travel Time from E050.1 to E109.9 (min)	Peak Discharge ^a (cfs)		+/- ^b	% ^b	Travel Time from E060.1 to E109.9 (min)	Peak Discharge (cfs)		+/-	%	Travel Time from E099 to E109.9 (min)	Peak Discharge (cfs)		+/-	%
		E050.1	E109.9				E060.1	E109.9				E099	E109.9		
6/14	— ^c	0	0.1	N	N	—	0	0.1	N	N	—	0	0.1	N	N
6/30	—	0	3.2	+	100	—	0	3.2	+	100	-10	3.2	3.2	G	G
7/5	—	0	0.1	N	N	—	0	0.1	N	N	—	0	0.1	N	N
7/8	—	0	110	+	100	—	0	110	+	100	5	32	110	+	72
7/12	30	32	180	+	82	—	0	180	+	100	-15	230	180	G	G
	—	0.1	170	+	100	—	0	170	+	100	-20	38	170	G	G
7/13	—	0	120	+	100	—	0	120	+	100	—	0	120	+	100
	—	0	250	+	100	—	0	250	+	100	0	1100	250	—	77
7/20-7/21	—	0	810	+	100	—	0	810	+	100	10	480	810	+	40
7/25	—	0	100	+	100	—	0	100	+	100	-15	10	100	G	G
7/26	—	0.1	160	+	100	—	0	160	+	100	—	0	160	+	100
7/27	—	0	0.1	N	N	—	0	0.1	N	N	—	0	0.1	N	N
7/28	—	0	70	+	100	—	0	70	+	100	—	0.1	70	+	100
8/3	—	0	950	+	100	—	0	950	+	100	—	0	950	+	100
8/4	—	0	68	N	N	—	0	68	N	N	—	0	68	+	100
8/5	25	20	1000	+	98	—	1.7	1000	+	100	0	340	1000	+	66
8/9	—	0	270	+	100	—	0	270	+	100	10	360	270	—	25
8/20	—	0	42	+	100	—	0	42	+	100	20	14	42	+	67
8/30	—	0	150	+	100	—	0	150	+	100	35	24	150	+	84
9/2	—	0	310	+	100	—	0	310	+	100	10	430	310	-	28
9/10	—	0	100	+	100	—	0	100	+	100	—	0	100	+	100
	—	0	120	+	100	—	0	120	+	100	20	1.0	120	+	99
	70	11	130	+	92	—	0	130	+	100	—	0.1	130	+	100
9/11	65	16	65	+	75	—	0	65	+	100	—	0.1	65	+	100

Table 3.2-1 (continued)

Date	Travel Time from E050.1 to E109.9 (min)	Peak Discharge ^a (cfs)		+/- ^b	% ^b	Travel Time from E060.1 to E109.9 (min)	Peak Discharge (cfs)		+/-	%	Travel Time from E099 to E109.9 (min)	Peak Discharge (cfs)		+/-	%
		E050.1	E109.9				E060.1	E109.9				E099	E109.9		
9/12	—	0.1	520	+	100	—	0.1	520	+	100	10	4.0	520	+	99
	-15	87	470	G	81	—	0	470	+	100	15	44	470	+	91
	40	67	350	G	G	—	0	350	+	100	-135	350	350	G	G
9/13	15	740	5000	+	85	60	1400	5000	+	73	10	1600	5000	+	68
9/14	—	48	n/a ^d	n/a	n/a	—	—	n/a	n/a	n/a	—	—	n/a	n/a	n/a
9/18	—	1.4	n/a	n/a	n/a	—	—	n/a	n/a	n/a	—	—	n/a	n/a	n/a
9/21	—	8.1	n/a	n/a	n/a	—	5.7	n/a	n/a	n/a	—	—	n/a	n/a	n/a
9/22–9/23	—	34	n/a	n/a	n/a	—	2.2	n/a	n/a	n/a	—	—	n/a	n/a	n/a
10/3-10/4	—	6.7	n/a	n/a	n/a	—	0	n/a	n/a	n/a	—	—	n/a	n/a	n/a
11/5	—	3.2	n/a	n/a	n/a	—	1.6	n/a	n/a	n/a	—	—	n/a	n/a	n/a
Min	-15	0	0	—	75	—	0	0	—	72	-135	0	0	—	25
Mean	33	32	411	—	96	—	44	411	—	99	-3	181	411	—	81
Max	70	740	5000	—	100	—	1400	5000	—	100	35	1600	5000	—	100

^a Peak discharge is not the peak of the entire storm (see Table 2.3-1 for the storm peak), but is the peak discharge estimated to align with the transmission of water from the upstream to downstream station.

^b + = Increase; – = decrease; % = percent change in peak discharge; N = little to no change in peak discharge; G = negative travel time (i.e., peak of downstream station occurred before peak of upstream station).

^c — = Result not applicable.

^d n/a = Not available due to maintenance issues.

Table 3.2-2
Summary of Peak Discharge Increases/Decreases in Lower LA/P Watershed

Year	Summary	E050.1 to E109.9	E060.1 to E109.9	E099 to E109.9
2013	Number of Increases	23	24	17
	Number of Decreases	0	0	3
	Mean Increase	96%	99%	87%
	Mean Decrease	0%	0%	43%
2012	Number of Increases	10	14	13
	Number of Decreases	1	0	3
	Mean Increase	74%	100%	75%
	Mean Decrease	16%	0%	22%
2011	Number of Increases	19	22	n/a
	Number of Decreases	4	0	n/a
	Mean Increase	90%	100%	n/a
	Mean Decrease	78%	0%	n/a
2010	Number of Increases	2	3	n/a
	Number of Decreases	2	1	n/a
	Mean Increase	59%	100%	n/a
	Mean Decrease	84%	28%	n/a

Table 3.2-3
Pearson's Correlation Coefficients between Post-Flood-Bore Discharge (Q) and SSC for Each Station Sampled during 2013

Time Lag	E038						E039.1				
	6/14	6/30	7/12	7/28	8/5	8/9	6/14	6/30	7/12	7/28	8/4
Q _t , TSS _t	0.99	0.64	0.79	0.95	0.98	0.93	0.95	0.98	0.82	0.94	0.50
Q _t , TSS _{t-5}	0.96	0.96	0.36	0.95	1.00	0.94	0.91	0.98	0.84	0.98	n/a*
Q _t , TSS _{t-10}	0.95	0.95	0.42	0.94	1.00	0.97	0.85	0.96	0.83	0.98	n/a
Q _t , TSS _{t-15}	0.94	0.90	0.27	0.93	0.99	n/a	0.90	0.94	0.84	0.97	n/a
Q _t , TSS _{t-20}	0.89	0.90	0.53	0.92	0.99	n/a	0.85	0.92	0.87	0.98	n/a
Q _t , TSS _{t-25}	0.82	0.90	0.45	0.89	n/a	n/a	0.75	0.98	0.86	0.98	n/a
Q _t , TSS _{t-30}	0.82	0.93	0.38	0.90	n/a	n/a	0.71	0.95	0.86	0.98	n/a

Table 3.2-3 (continued)

Time Lag	E039.1 (continued)				E042.1			E050.1			
	8/9	9/10	9/12	11/4 to 5	7/12	8/5	9/10	7/12	8/5	9/10 to 11	9/12
Q _t , TSS _t	0.86	0.50	0.10	-0.15	0.99	0.73	0.67	0.69	0.71	0.77	0.95
Q _t , TSS _{t-5}	n/a	0.03	-0.45	0.39	0.96	0.88	0.73	0.80	0.85	0.70	0.80
Q _t , TSS _{t-10}	n/a	-0.29	-0.45	0.62	0.69	0.81	0.80	0.88	0.88	0.65	0.59
Q _t , TSS _{t-15}	n/a	-0.25	-0.45	0.73	n/a	0.83	0.89	0.87	0.86	0.60	0.37
Q _t , TSS _{t-20}	n/a	-0.16	-0.52	0.79	n/a	0.85	0.85	0.87	0.87	0.40	0.18
Q _t , TSS _{t-25}	n/a	-0.22	-0.32	0.80	n/a	0.71	0.69	0.88	0.86	0.40	0.06
Q _t , TSS _{t-30}	n/a	-0.35	-0.73	0.81	n/a	0.45	0.62	0.87	0.78	0.51	0.02

Time Lag	E099		E109.9							
	7/12	8/5	7/8	7/12	7/20	7/25 to 26	7/26	8/3	8/5	8/9
Q _t , TSS _t	0.20	0.99	0.47	n/a	n/a	0.77	0.76	0.96	-0.79	0.98
Q _t , TSS _{t-5}	-0.45	n/a	0.10	n/a	n/a	0.84	-0.54	0.69	-0.86	0.91
Q _t , TSS _{t-10}	-0.37	n/a	-0.46	n/a	n/a	0.87	-0.19	0.37	-0.54	0.90
Q _t , TSS _{t-15}	0.15	n/a	-0.22	n/a	n/a	0.85	n/a	n/a	-0.15	0.89
Q _t , TSS _{t-20}	0.87	n/a	n/a	n/a	n/a	0.83	n/a	n/a	n/a	0.85
Q _t , TSS _{t-25}	n/a	n/a	n/a	n/a	n/a	0.77	n/a	n/a	n/a	0.87
Q _t , TSS _{t-30}	n/a	n/a	n/a	n/a	n/a	0.26	n/a	n/a	n/a	0.74

Note: Maximum correlations are highlighted.

* n/a = Not applicable because data points are limited (i.e., less than 3).

Table 3.2-4
SSC-Based Sediment Yield and Runoff Volume for Sampled 2012 and 2013 Runoff Events

Station	Date	Sediment Yield (tons)	Sediment Yield (yd ³) ^a	Runoff Volume (acre-feet)	Peak Discharge (cfs)
2012 Runoff Events					
E042.1	10/12/2012	82	37	14	70
E050.1	7/11/2012	9883	4425	8.2	130
E050.1	7/24/2012	60	27	3.5	9.9
E050.1	8/3/2012	2320	1039	15	170
E050.1	9/28/2012	28	13	1.8	7.0
E109.9	7/5/2012	1369	613	5.9	48
E109.9	8/24/2012	2706	1211	11	160
2013 Runoff Events					
E038	6/14/2013	11	5.1	3.0	70
E038	6/30/2013	11	5.0	1.9	120
E038	7/12/2013	87	39	14	330
E038	7/28/2013	4.7	2.1	1.6	74
E038	8/5/2013	25	11	5.1	170
E038	8/9/2013	3.8	1.7	1.3	62
E039.1	6/14/2013	0.6	0.3	1.3	13
E039.1	6/30/2013	0.3	0.1	0.8	11
E039.1	7/12/2013	75	34	16	330
E039.1	7/28/2013	0.8	0.4	1.2	24
E039.1	8/4/2013	0.8	0.4	0.7	12
E039.1	8/9/2013	0.5	0.2	0.9	16
E039.1	9/10/2013	4.4	2.0	5.9	35
E039.1	9/12/2013	3.6	1.6	7.6	77
E039.1	11/5/2013	0.9	0.4	2.2	21
E042.1	7/12/2013	817	366	20	160
E042.1	8/5/2013	29	13	9.4	80
E042.1	9/10/2013	48	21	17	36
E050.1	7/12/2013	39	17	4.3	32
E050.1	8/5/2013	6.1	2.7	1.7	20
E050.1	9/10/2013	4.6	2.1	6.4	11
E050.1	9/12/2013	171	77	33	87
E099	7/12/2013	5748	2574	14	230
E099	8/5/2013	1015	455	6.7	340
E109.9	7/8/2013	3880	1737	12	110
E109.9	7/12/2013 ^b	1326	594	26	180
E109.9	7/20/2013 ^b	24305	10883	67	810

Table 3.2-4 (continued)

Station	Date	Sediment Yield	Sediment Yield	Runoff Volume	Peak Discharge
E109.9	7/25/2013	1639	734	11	100
E109.9	7/26/2013 ^b	515	230	14	160
E109.9	8/3/2013	51060	22862	72	950
E109.9	8/5/2013 ^b	3955	1771	50	1000
E109.9	8/9/2013	8524	3816	34	270

Note: Sediment yield and runoff volume were calculated only from sampled events with reliable hydrographs and sedigraphs. Thus, the September 12, 2013 sampling at E026 and E109.9 were excluded.

^a Volumetric sediment yield was computed using a soil bulk density of 2650 kg/m³ and volume = mass/density.

^b Samples were not collected throughout the entire hydrograph (see Figure 3.2-3); thus, sediment yields may be underestimated.

Table 3.4-1

Travel Time of Flood Bore, Peak Discharge, Increase or Decrease in Peak Discharge, and Percent Change in Peak Discharge from Upstream to Downstream Stations for 2012 Runoff Events Exceeding Sampling Triggers across the Watershed Mitigations

Date	Travel Time from E038 to E039.1 (min)	Peak Discharge (cfs)		+/- ^a	% ^a	Travel Time from E042.1 to E050.1 (min)	Peak Discharge (cfs)		+/-	%	Travel Time from E059 to E060.1 (min)	Peak Discharge (cfs)		+/-	%
		E038	E039.1				E042.1	E050.1				E059	E060.1		
6/14	75	70	13	—	81	— ^b	—	—	—	—	—	—	—	—	—
6/30	45	120	11	—	91	—	—	—	—	—	—	—	—	—	—
7/5	55	55	7.0	—	87	—	—	—	—	—	—	—	—	—	—
7/8	—	0	0.1	N	N	—	—	—	—	—	—	—	—	—	—
7/12	20	330	330	N	N	45	160	32	—	80	—	7.0	0	—	10
	—	—	—	N	N	—	0.1	0.1	N	N	—	—	—	—	—
7/13	—	18	0	—	99	—	—	—	—	—	—	—	—	—	—
	—	—	—	N	N	—	—	—	—	—	—	—	—	—	—
7/20-7/21	—	0	0.1	N	N	—	—	—	—	—	—	—	—	—	—
7/25	60	13	3.9	—	70	—	2.0	0	-	100	—	—	—	—	—
7/26	50	12	10	—	17	—	17	0.1	-	100	—	—	—	—	—
7/26-7/27	—	0.1	0.1	N	N	—	14	0	-	100	—	—	—	—	—
7/28	35	74	24	—	68	—	31	0.1	-	100	—	—	—	—	—
8/3	—	0	0.1	N	N	—	—	—	—	—	—	—	—	—	—
8/4	40	17	12	—	29	—	—	—	—	—	—	—	—	—	—
8/5	20	170	170	N	N	180	80	20	—	75	—	0	1.7	+	10
8/9	35	62	16	—	74	—	0.1	0	N	N	—	—	—	—	—
8/20	—	—	—	N	N	—	—	—	—	—	—	—	—	—	—
8/30	—	—	—	N	N	—	—	—	—	—	—	—	—	—	—
9/2	—	3.8	0	—	100	—	—	—	—	—	—	—	—	—	—
9/10	30	39	35	+	10	—	36	0	—	100	—	—	—	—	—
	35	6.0	7.0	+	14	—	25	0	—	—	—	—	—	—	—
	35	13	18	+	28	40	24	11	—	54	—	—	—	—	—

Table 3.4-1 (continued)

Date	Travel Time from E038 to E039.1 (min)	Peak Discharge (cfs)		+/- ^a	% ^a	Travel Time from E042.1 to E050.1 (min)	Peak Discharge (cfs)		+/-	%	Travel Time from E059 to E060.1 (min)	Peak Discharge (cfs)		+/-	%
		E038	E039.1				E042.1	E050.1				E059	E060.1		
9/11	10	13	18	+	28	-5	26	16	G	G	—	—	—	—	—
9/12	—	—	—	—	—	—	0.1	0.1	N	N	—	0	0.1	N	N
	-10	39	35	G	G	-10	110	87	G	G	—	59	0	—	10
	20	51	77	—	34	20	68	67	—	1	—	13	0	—	10
9/13	20	310	400	+	23	15	740	740	N	N	40	1500	1400	—	7
9/14	45	1.9	3.7	+	49	—	0	48	—	100	—	—	—	—	—
9/18	50	17	18	+	6	—	0	1.4	—	100	—	—	—	—	—
9/21	—	0	0.1	N	N	-10	7.0	8.1	+	14	—	0	5.7	—	10
9/22-9/23	20	45	26	—	42	20	27	34	+	21	—	0	2.2	—	10
10/3-10/4	—	0	0.1	N	N	105	16	7.0	—	56	—	—	—	—	—
11/5	35	17	21	+	19	—	0.1	3.0	+	97	—	0	1.6	—	10
Min	-10	0	0	—	17	45	0	0	—	1	—	0	0	—	7
Mean	35	52	43	—	69	113	83	49	—	73	—	175	1	—	88
Max	75	330	400	—	99	180	740	740	—	100	—	1500	2	—	10

^a + = Increase; - = decrease; % = percent change in peak discharge; N = little to no change in peak discharge; G = negative travel time (i.e., peak of downstream station occurred before peak of upstream station).

^b — = Result not applicable.

Table 4.2-1
NMWQCC Surface Water Standards for 2013

Analytical Suite ^a	Analyte Code	Analyte Name	Field Prep	Acute Aquatic ^b	Chronic Aquatic	Human Health Persistent	Livestock Watering	Wildlife Habitat
DIOX/FUR	n/a ^{eb}	Dioxin (TEQ)	UF ^{dc}	n/a	<u>n/a</u>	<u>0.0000000515</u> <u>.1E-8</u>	n/a	n/a
METALS	Al	Aluminum	10F ^{ed}	<u>668HD^e</u>	<u>HD</u>	n/a	n/a	n/a
METALS	Sb	Antimony	F ^f	n/a	<u>n/a</u>	640	n/a	n/a
METALS	As	Arsenic	F	340	<u>150</u>	9	200	n/a
METALS	B	Boron	F	n/a	<u>n/a</u>	n/a	5000	n/a
METALS	Cd	Cadmium	F	<u>0.59466-</u> <u>1.44^g</u>	<u>0.114-0.200</u>	n/a	50	n/a
METALS	Cr	Chromium	F	n/a	<u>n/a</u>	n/a	1000	n/a
METALS	Cr(III)	Chromium(III)	F	<u>169-500213</u>	<u>15.5-29.2</u>	n/a	n/a	n/a
<u>METALS</u>	<u>Cr(VI)</u>	<u>Chromium(VI)</u>	<u>F</u>	<u>16</u>	<u>11</u>	<u>n/a</u>	<u>n/a</u>	<u>n/a</u>
METALS	Co	Cobalt	F	n/a	<u>n/a</u>	n/a	1000	n/a
METALS	Cu	Copper	F	<u>3.32-11.64.3</u>	<u>1.75-3.39</u>	n/a	500	n/a
METALS	Pb	Lead	F	<u>12.4-54.317</u>	<u>0.299-0.716</u>	n/a	100	n/a
METALS	Mn	Manganese	F	<u>1820-</u> <u>28302000</u>	<u>873-1130</u>	n/a	n/a	n/a
METALS	Hg	Mercury	F	1.4	<u>0.77</u>	n/a	n/a	n/a
METALS	Hg	Mercury	UF	n/a	<u>n/a</u>	n/a	10	0.77
METALS	Ni	Nickel	F	<u>134-409170</u>	<u>10.3-19.9</u>	4600	n/a	n/a
METALS	Se	Selenium	F	n/a	<u>n/a</u>	4200	50	n/a
METALS	Se	Selenium	UF	20	<u>5</u>	n/a	n/a	5
METALS	Ag	Silver	F	<u>0.466-</u> <u>1.440.41</u>	<u>n/a</u>	n/a	n/a	n/a
METALS	Tl	Thallium	F	n/a	<u>n/a</u>	0.47	n/a	n/a
METALS	V	Vanadium	F	n/a	<u>n/a</u>	n/a	100	n/a
METALS	Zn	Zinc	F	<u>41.5-13854</u>	<u>21.3-42.1</u>	26,000	25,000	n/a
WET_CHEM	CN(TOTAL)	Cyanide (Total)	UF	22	<u>5.2</u>	140	n/a	5.2
PCB_CONG	1336-36-3	Total PCB	UF	<u>2n/a</u>	<u>0.014</u>	0.00064	n/a	0.014
RAD	GROSSA	Gross alpha _{adjusted}	UF	n/a	<u>n/a</u>	n/a	15	n/a
RAD	Ra-226+228	Radium-226 and Radium-228	UF	n/a	<u>n/a</u>	n/a	30	n/a

^a All units are µg/L except for RAD, which are pCi/L.

^b ~~Hardness-dependent values are calculated using a water hardness value of 30 mg-CaCO₃/L.~~

^{eb} n/a = Not applicable.

^{dc} UF = Unfiltered.

^d 10F = Filtration using 10-µm pore size.

^e HD = Hardness-dependent criteria; however, no samples were filtered using a 10-µm pore size, thus no criteria can be calculated.

^f F = ~~Filtered~~ Filtration using 0.45-µm pore size.

^g For hardness-dependent criteria, the minimum and maximum range are presented based on hardness measurements obtained in 2013.

Table 4.2-2
Maximum Detected Results By Station and Event
above Comparison Values in LA/P Storm Water Samples in 2012

Station	Collection Date	Total PCBs	2,3,7,8-TCDD IEQ	Silver	Aluminum	Arsenic	Cadmium	Cobalt	Chromium	Copper	Gross Alpha	Mercury	Nickel	Lead	Radium-226 and Radium-228	Selenium	Thallium	Vanadium	Zinc
Comparison Value^a		0.0006	0.000000051	0.4	658	9	0.6	1000	210	4.3	15	0.77	170	17	30	5	6.3	100	54
Field Preparation		UF^b	UF	F^c	F	F	F	F	F	F	UF	UF	F	F	UF	UF	F	F	F
CO101038	12-Jul-13	0.398	NA ^d	— ^a	—	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
CO101038	18-Sep-13	0.108	NA	—	—	—	1 ND ^f	—	—	—	NA	—	—	—	NA	—	—	—	—
CO111041	14-Jun-13	7.12	NA	—	—	—	1 ND	—	—	7.63	NA	—	—	—	NA	—	—	—	94.6
CO111041	30-Jun-13	21.8	NA	—	—	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
CO111041	05-Jul-13	10.4	NA	—	—	—	1 ND	—	—	5.04	NA	—	—	—	NA	—	—	—	—
CO111041	12-Jul-13	16.8	NA	—	—	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
CO111041	13-Jul-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CO111041	28-Jul-13	5.3	NA	—	753	—	1 ND	—	—	5.39	NA	—	—	—	NA	—	—	—	—
CO111041	05-Aug-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CO111041	09-Aug-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CO111041	10-Sep-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E026	12-Sep-13	0.034	0.0000242 ND	—	—	—	1 ND	—	—	—	NA	0.798	—	—	NA	—	—	—	—
E030	12-Jul-13	1.08	NA	—	—	—	1 ND	—	—	—	NA	1.59	—	—	NA	—	—	—	—
E030	12-Sep-13	0.847	0.000011 ND	—	—	—	1 ND	—	—	—	NA	1.81	—	—	NA	6.69	—	—	—
E038	14-Jun-13	0.0724	NA	—	2030	—	1 ND	—	—	8.01	NA	—	—	—	NA	—	—	—	55.2
E038	30-Jun-13	0.0371	NA	—	997	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E038	12-Jul-13	0.0784	NA	—	1060	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—

Table 4.2-2 (continued)

Station	Collection Date	Total PCBs	2,3,7,8-TCDD TEQ	Silver	Aluminum	Arsenic	Cadmium	Cobalt	Chromium	Copper	Gross Alpha	Mercury	Nickel	Lead	Radium-226 and Radium-228	Selenium	Thallium	Vanadium	Zinc
Comparison Value ^a		0.0006	0.000000051	0.4	658	9	0.6	1000	210	4.3	15	0.77	170	17	30	5	6.3	100	54
Field Preparation		UF ^b	UF	F ^c	F	F	F	F	F	F	UF	UF	F	F	UF	UF	F	F	F
E038	28-Jul-13	0.0229	NA	—	1030	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E038	05-Aug-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E038	09-Aug-13	NA	NA	NA	—	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E039.1	14-Jun-13	0.0121	NA	—	960	—	1 ND	—	—	7.6	NA	—	—	—	NA	—	—	—	—
E039.1	30-Jun-13	0.0136	NA	—	1650	—	1 ND	—	—	6.1	NA	—	—	—	NA	—	—	—	—
E039.1	12-Jul-13	0.0295	NA	—	1420	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E039.1	28-Jul-13	0.0133	NA	—	1600	—	1 ND	—	—	4.72	NA	—	—	—	NA	—	—	—	—
E039.1	04-Aug-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E039.1	09-Aug-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E039.1	10-Sep-13	0.0435	NA	—	—	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E039.1	12-Sep-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E039.1	05-Nov-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E040	12-Jul-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E040	05-Aug-13	0.0685	NA	—	1000	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E040	10-Sep-13	0.0273	NA	—	—	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E040	12-Sep-13	0.0211	0.0000107 ND	—	1850	—	1 ND	—	—	5.01	NA	—	—	—	NA	—	—	—	—
E042.1	12-Jul-13	0.477	NA	—	—	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—

Table 4.2-2 (continued)

Station	Collection Date	Total PCBs	2,3,7,8-TCDD IEQ	Silver	Aluminum	Arsenic	Cadmium	Cobalt	Chromium	Copper	Gross Alpha	Mercury	Nickel	Lead	Radium-226 and Radium-228	Selenium	Thallium	Vanadium	Zinc
Comparison Value ^a		0.0006	0.000000051	0.4	658	9	0.6	1000	210	4.3	15	0.77	170	17	30	5	6.3	100	54
Field Preparation		UF ^b	UF	F ^c	F	F	F	F	F	F	UF	UF	F	F	UF	UF	F	F	F
E042.1	05-Aug-13	0.108	NA	—	—	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E042.1	10-Sep-13	0.123	NA	—	911	—	1 ND	—	—	5.16	NA	—	—	—	NA	—	—	—	—
E050.1	12-Jul-13	0.437	NA	—	952	—	1 ND	—	—	—	83.7	—	—	—	—	—	—	—	—
E050.1	05-Aug-13	0.218	NA	—	864	—	1 ND	—	—	—	34.9	—	—	—	—	—	—	—	—
E050.1	10-Sep-13	NA	NA	—	801	—	1 ND	—	—	—	26.1	—	—	—	—	—	—	—	—
E050.1	11-Sep-13	0.112	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E055	14-Jun-13	0.0382	NA	—	—	—	1 ND	—	—	5.36	NA	—	—	—	NA	—	—	—	—
E055	12-Sep-13	0.0789	NA	—	1300	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E055.5	12-Jul-13	0.0624	NA	—	1740	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E055.5	13-Sep-13	0.0413	NA	—	918	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E056	14-Jun-13	NA	NA	—	817	—	1 ND	—	—	7.47	NA	—	—	—	NA	—	—	—	—
E056	12-Jul-13	0.062	NA	—	1270	—	1 ND	—	—	5.11	NA	—	—	—	NA	—	—	—	—
E056	05-Aug-13	0.0272	NA	—	1470	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E056	12-Sep-13	0.0146	NA	—	1220	—	1 ND	—	—	—	NA	—	—	—	NA	—	—	—	—
E109.9	08-Jul-13	0.0313	NA	—	847	—	1 ND	—	—	—	8730	4.67	—	—	NA	460 ND	—	—	—
E109.9	12-Jul-13	0.0191	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E109.9	20-Jul-13	0.0429	0.000216 ND	NA	NA	NA	NA	NA	NA	NA	NA	8.45 ND	NA	NA	NA	690 ND	NA	NA	NA
E109.9	25-Jul-13	0.0127	NA	—	965	—	1 ND	—	—	—	7640	1.33	—	—	NA	24.2 ND	—	—	—
E109.9	26-Jul-13	NA	NA	—	—	—	1 ND	—	—	—	67.1	—	—	—	35.8	8.21	—	—	—

Table 4.2-2 (continued)

Station	Collection Date	Total PCBs	2,3,7,8-TCDD TEQ	Silver	Aluminum	Arsenic	Cadmium	Cobalt	Chromium	Copper	Gross Alpha	Mercury	Nickel	Lead	Radium-226 and Radium-228	Selenium	Thallium	Vanadium	Zinc
Comparison Value ^a		0.0006	0.000000051	0.4	658	9	0.6	1000	210	4.3	15	0.77	170	17	30	5	6.3	100	54
Field Preparation		UF ^b	UF	F ^c	F	F	F	F	F	F	UF	UF	F	F	UF	UF	F	F	F
E109.9	03-Aug-13	0.0252	0.000156-ND	—	947	—	1-ND	—	—	—	—	4.85	—	—	885	511-ND	—	—	—
E109.9	05-Aug-13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
E109.9	09-Aug-13	NA	NA	—	—	—	1-ND	—	—	—	7090	3.66	—	—	804	338-ND	—	—	—
E109.9	12-Sep-13	0.899	0.0000208-ND	—	—	—	1-ND	—	—	7.25	2070	3.7	—	—	153	142-ND	—	—	—
E050.1	12-Sep-13	0.16	NA	—	—	—	1-ND	—	—	—	479	—	—	—	—	—	—	—	—

Note: All units are µg/L, except gross alpha, radium-226, and radium-228, are in pCi/L.

^a ——— Hardness-dependent comparison values based on 30 mg-CaCO₃/L hardness.

^b ——— UF = Unfiltered.

^c ——— F = Filtered.

^d ——— NA = Not analyzed.

^e ——— = Analyte was not detected above comparison value.

^f ——— ND = Nondetect.

Table 4.2-2

NMWQCC Surface Water Standard Exceedances in 2013

Canyon	Station	Field Sample ID	Sample Collection Date	Parameter	Detect Flag	Parameter Result ^a (µg/L)	Hardness Result (mg/L)	WQ Criteria ^a (µg/L)	Water-Quality Criterion
Los Alamos	E026	WTLAP-13-31159	9/12/2013	Cyanide, total recoverable	Y	0.00729	n/a ^b	0.0052	Wildlife Habitat, Chronic Aquatic Life

<u>Canyon</u>	<u>Station</u>	<u>Field Sample ID</u>	<u>Sample Collection Date</u>	<u>Parameter</u>	<u>Detect Flag</u>	<u>Parameter Result^a</u> <u>(µg/L)</u>	<u>Hardness Result</u> <u>(mg/L)</u>	<u>WQ Criteria^a</u> <u>(µg/L)</u>	<u>Water-Quality Criterion</u>
Los Alamos	E026	WTLAP-13-31155	9/12/2013	Dioxin (TEQ)	N ^c	0.0000242	n/a	0.000000051	Human Health Organism Only
Los Alamos	E026	WTLAP-13-31139	9/12/2013	Mercury, total	Y	0.798	n/a	0.77	Wildlife Habitat
Los Alamos	E026	WTLAP-13-31163	9/12/2013	Total PCBs	Y	0.034	n/a	0.00064	Human Health Organism Only
Los Alamos	E030	WTLAP-13-39063	7/12/2013	Mercury, total	Y	1.59	n/a	0.77	Wildlife Habitat
Los Alamos	E030	WTLAP-13-39042	7/12/2013	Total PCBs	Y	1.08	n/a	0.00064	Human Health Organism Only
Los Alamos	E030	WTLAP-13-39059	9/12/2013	Dioxin (TEQ)	N	0.000011	n/a	0.000000051	Human Health Organism Only
Los Alamos	E030	WTLAP-13-39064	9/12/2013	Mercury, total	Y	1.81	n/a	0.77	Wildlife Habitat
Los Alamos	E030	WTLAP-13-39064	9/12/2013	Selenium, total recoverable	Y	6.69	n/a	5	Wildlife Habitat, Chronic Aquatic Life
Los Alamos	E030	WTLAP-13-39043	9/12/2013	Total PCBs	Y	0.847	n/a	0.00064	Human Health Organism Only
DP	E038	WTLAP-13-31087	6/14/2013	Copper, dissolved	Y	8.01	43.6	6.15	Acute Aquatic Life
DP	E038	WTLAP-13-31103	6/14/2013	Total PCBs	Y	0.0724	n/a	0.00064	Human Health Organism Only
DP	E038	WTLAP-13-31106	6/30/2013	Total PCBs	Y	0.0371	n/a	0.00064	Human Health Organism Only
DP	E038	WTLAP-13-31107	7/12/2013	Total PCBs	Y	0.0784	n/a	0.00064	Human Health Organism Only
DP	E038	WTLAP-13-31094	7/28/2013	Copper, dissolved	Y	3.79	22.7	3.32	Acute Aquatic Life
DP	E038	WTLAP-13-31110	7/28/2013	Total PCBs	Y	0.0229	n/a	0.00064	Human Health Organism Only
DP	E039.1	WTLAP-13-31088	6/14/2013	Copper, dissolved	Y	7.6	35.3	5.04	Acute Aquatic Life
DP	E039.1	WTLAP-13-31104	6/14/2013	Total PCBs	Y	0.0121	n/a	0.00064	Human Health Organism Only
DP	E039.1	WTLAP-13-31089	6/30/2013	Copper, dissolved	Y	6.1	28.6	4.13	Acute Aquatic Life
DP	E039.1	WTLAP-13-31105	6/30/2013	Total PCBs	Y	0.0136	n/a	0.00064	Human Health Organism Only
DP	E039.1	WTLAP-13-31108	7/12/2013	Total PCBs	Y	0.0295	n/a	0.00064	Human Health Organism Only
DP	E039.1	WTLAP-13-31093	7/28/2013	Copper, dissolved	Y	4.72	26.1	3.79	Acute Aquatic Life
DP	E039.1	WTLAP-13-31109	7/28/2013	Total PCBs	Y	0.0133	n/a	0.00064	Human Health Organism Only

Table 4.2-2 (continued)

<u>Canyon</u>	<u>Station</u>	<u>Field Sample ID</u>	<u>Sample Collection Date</u>	<u>Parameter</u>	<u>Detect Flag</u>	<u>Parameter Result^a (µg/L)</u>	<u>Hardness Result (mg/L)</u>	<u>WQ Criteria^a (µg/L)</u>	<u>Water Quality Criterion</u>
DP	E039.1	WTLAP-13-41782	9/10/2013	Total PCBs	Y	0.0435	n/a	0.00064	Human Health Organism Only
DP	E040	WTLAP-13-40573	8/5/2013	Total PCBs	Y	0.0685	n/a	0.00064	Human Health Organism Only
DP	E040	WTLAP-13-41755	9/10/2013	Total PCBs	Y	0.0273	n/a	0.00064	Human Health Organism Only
DP	E040	WTLAP-13-42297	9/12/2013	Dioxin (TEQ)	N	0.0000107	n/a	0.000000051	Human Health Organism Only
DP	E040	WTLAP-13-42294	9/12/2013	Total PCBs	Y	0.0211	n/a	0.00064	Human Health Organism Only
Los Alamos	E042.1	WTLAP-13-39151	7/12/2013	Total PCBs	Y	0.477	n/a	0.00064	Human Health Organism Only
Los Alamos	E042.1	WTLAP-13-30750	8/5/2013	Total PCBs	Y	0.108	n/a	0.00064	Human Health Organism Only
Los Alamos	E042.1	WTLAP-13-30754	8/5/2013	Total PCBs	Y	0.0704	n/a	0.00064	Human Health Organism Only
Los Alamos	E042.1	WTLAP-13-30751	9/10/2013	Total PCBs	Y	0.123	n/a	0.00064	Human Health Organism Only
Los Alamos	E042.1	WTLAP-13-30755	9/10/2013	Total PCBs	Y	0.105	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30861	7/12/2013	Gross alpha, adjusted ^d	Y	77.3	n/a	15	Livestock Watering
Los Alamos	E050.1	WTLAP-13-30837	7/12/2013	Total PCBs	Y	0.41	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30841	7/12/2013	Total PCBs	Y	0.437	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30865	7/12/2013	Total PCBs	Y	0.377	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30862	8/5/2013	Gross alpha, adjusted	Y	32.9	n/a	15	Livestock Watering
Los Alamos	E050.1	WTLAP-13-30838	8/5/2013	Total PCBs	Y	0.218	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30842	8/5/2013	Total PCBs	Y	0.162	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30867	8/5/2013	Total PCBs	Y	0.142	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30863	9/11/2013	Gross alpha, adjusted	Y	24.8	n/a	15	Livestock Watering
Los Alamos	E050.1	WTLAP-13-30839	9/11/2013	Total PCBs	Y	0.108	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30843	9/11/2013	Total PCBs	Y	0.112	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30869	9/11/2013	Total PCBs	Y	0.11	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30864	9/12/2013	Gross alpha, adjusted	Y	470	n/a	15	Livestock Watering

Table 4.2-2 (continued)

<u>Canyon</u>	<u>Station</u>	<u>Field Sample ID</u>	<u>Sample Collection Date</u>	<u>Parameter</u>	<u>Detect Flag</u>	<u>Parameter Result^a (µg/L)</u>	<u>Hardness Result (mg/L)</u>	<u>WQ Criteria^a (µg/L)</u>	<u>Water Quality Criterion</u>
Los Alamos	E050.1	WTLAP-13-30840	9/12/2013	Total PCBs	Y	0.16	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30844	9/12/2013	Total PCBs	Y	0.0928	n/a	0.00064	Human Health Organism Only
Los Alamos	E050.1	WTLAP-13-30871	9/12/2013	Total PCBs	Y	0.0987	n/a	0.00064	Human Health Organism Only
Pueblo	E055	WTLAP-13-30670	6/14/2013	Copper, dissolved	Y	5.36	28.5	3.06	Chronic Aquatic Life
Pueblo	E055	WTLAP-13-30670	6/14/2013	Lead, dissolved	Y	0.842	28.5	0.627	Chronic Aquatic Life
Pueblo	E055	WTLAP-13-30694	6/14/2013	Total PCBs	Y	0.0382	n/a	0.00064	Human Health Organism Only
Pueblo	E055	WTLAP-13-30673	9/12/2013	Copper, dissolved	Y	3.71	29.5	3.16	Chronic Aquatic Life
Pueblo	E055	WTLAP-13-30673	9/12/2013	Lead, dissolved	Y	2.12	29.5	0.652	Chronic Aquatic Life
Pueblo	E055	WTLAP-13-30697	9/12/2013	Total PCBs	Y	0.0789	n/a	0.00064	Human Health Organism Only
Acid	E055.5	WTLAP-13-30671	7/12/2013	Copper, dissolved	Y	3.82	20	2.26	Chronic Aquatic Life
Acid	E055.5	WTLAP-13-30671	7/12/2013	Lead, dissolved	Y	1.91	20	0.421	Chronic Aquatic Life
Acid	E055.5	WTLAP-13-30695	7/12/2013	Total PCBs	Y	0.0624	n/a ^a	0.00064	Human Health Organism Only
Acid	E055.5	WTLAP-13-30674	9/13/2013	Copper, dissolved	Y	2.45	15.5	1.82	Chronic Aquatic Life
Acid	E055.5	WTLAP-13-30674	9/13/2013	Lead, dissolved	Y	1.1	15.5	0.315	Chronic Aquatic Life
Acid	E055.5	WTLAP-13-30698	9/13/2013	Total PCBs	Y	0.0413	n/a	0.00064	Human Health Organism Only
Acid	E056	WTLAP-13-36892	6/14/2013	Copper, dissolved	Y	7.47	32.1	3.39	Chronic Aquatic Life
Acid	E056	WTLAP-13-36892	6/14/2013	Lead, dissolved	Y	3.43	32.1	0.716	Chronic Aquatic Life
Acid	E056	WTLAP-13-36895	7/12/2013	Copper, dissolved	Y	5.11	19.5	2.22	Chronic Aquatic Life
Acid	E056	WTLAP-13-36895	7/12/2013	Lead, dissolved	Y	1.73	19.5	0.409	Chronic Aquatic Life
Acid	E056	WTLAP-13-36901	7/12/2013	Total PCBs	Y	0.062	n/a	0.00064	Human Health Organism Only
Acid	E056	WTLAP-13-36896	8/5/2013	Copper, dissolved	Y	3.64	16.8	1.95	Chronic Aquatic Life
Acid	E056	WTLAP-13-36896	8/5/2013	Lead, dissolved	Y	1.37	16.8	0.345	Chronic Aquatic Life
Acid	E056	WTLAP-13-36902	8/5/2013	Total PCBs	Y	0.0272	n/a	0.00064	Human Health Organism Only

Table 4.2-2 (continued)

<u>Canyon</u>	<u>Station</u>	<u>Field Sample ID</u>	<u>Sample Collection Date</u>	<u>Parameter</u>	<u>Detect Flag</u>	<u>Parameter Result^a (µg/L)</u>	<u>Hardness Result (mg/L)</u>	<u>WQ Criteria^a (µg/L)</u>	<u>Water Quality Criterion</u>
<u>Acid</u>	<u>E056</u>	<u>WTLAP-13-36899</u>	<u>9/12/2013</u>	<u>Copper, dissolved</u>	<u>Y</u>	<u>3</u>	<u>14.8</u>	<u>1.75</u>	<u>Chronic Aquatic Life</u>
<u>Acid</u>	<u>E056</u>	<u>WTLAP-13-36899</u>	<u>9/12/2013</u>	<u>Lead, dissolved</u>	<u>Y</u>	<u>1.66</u>	<u>14.8</u>	<u>0.299</u>	<u>Chronic Aquatic Life</u>
<u>Acid</u>	<u>E056</u>	<u>WTLAP-13-36903</u>	<u>9/12/2013</u>	<u>Total PCBs</u>	<u>Y</u>	<u>0.0146</u>	<u>n/a</u>	<u>0.00064</u>	<u>Human Health Organism Only</u>

^a Units for columns "Parameter Result" and "WQ Criteria" are µg/L with the exception of adjusted gross alpha, which is in pCi/L.

^b n/a = Not applicable.

^c Nondetected results that have an MDL greater than the water-quality criteria potentially exceed the water-quality criteria and thus are included in this table.

^d Adjusted gross-alpha activity concentration (pCi/L) is computed as gross-alpha activity concentration (pCi/L) minus 0.667 times total uranium concentration (µg/L). The nearest total uranium result on the hydrograph to the gross-alpha result is used. This methodology is recommended in the "Procedures for Assessing Water Quality Standards Attainment for the State of New Mexico Clean Water Act §303(d)/§305(b) Integrated Report: Assessment Protocol" (see <https://www.env.nm.gov/swqb/protocols/2014/AssessmentProtocol-w-Appendices-2014.pdf>).

Table 4.2-3
Dioxin and Furan TEFs for the Dibenzodioxins and Dibenzofurans

Analyte Code	Analyte	TEF
35822-46-9	Heptachlorodibenzodioxin[1,2,3,4,6,7,8-]	0.01
67562-39-4	Heptachlorodibenzofuran[1,2,3,4,6,7,8-]	0.01
55673-89-7	Heptachlorodibenzofuran[1,2,3,4,7,8,9-]	0.01
39227-28-6	Hexachlorodibenzodioxin[1,2,3,4,7,8-]	0.1
57653-85-7	Hexachlorodibenzodioxin[1,2,3,6,7,8-]	0.1
19408-74-3	Hexachlorodibenzodioxin[1,2,3,7,8,9-]	0.1
70648-26-9	Hexachlorodibenzofuran[1,2,3,4,7,8-]	0.1
57117-44-9	Hexachlorodibenzofuran[1,2,3,6,7,8-]	0.1
72918-21-9	Hexachlorodibenzofuran[1,2,3,7,8,9-]	0.1
60851-34-5	Hexachlorodibenzofuran[2,3,4,6,7,8-]	0.1
3268-87-9	Octachlorodibenzodioxin[1,2,3,4,6,7,8,9-]	0.0003
39001-02-0	Octachlorodibenzofuran[1,2,3,4,6,7,8,9-]	0.0003
40321-76-4	Pentachlorodibenzodioxin[1,2,3,7,8-]	1
57117-41-6	Pentachlorodibenzofuran[1,2,3,7,8-]	0.03
57117-31-4	Pentachlorodibenzofuran[2,3,4,7,8-]	0.3
1746-01-6	Tetrachlorodibenzodioxin[2,3,7,8-]	1
51207-31-9	Tetrachlorodibenzofuran[2,3,7,8-]	0.1

Table 4.2-4
TCDD TEQs in 2013 Storm Water Samples

Station	Collection Date	Sample ID	2,3,7,8-TCDD TEQ (µg/L)
CO101038	7/12/2013	WTLAP-13-39028	0.00001043169
CO101038	9/18/2013	WTLAP-13-30639	0.000000453542
CO111041	6/14/2013	WTLAP-13-30638	0.0001659902
CO111041	6/30/2013	WTLAP-13-30640	0.0000889952
CO111041	7/5/2013	WTLAP-13-30642	0.0000433991
CO111041	7/12/2013	WTLAP-13-39022	0.0004087444
CO111041	7/28/2013	WTLAP-13-39428	0.0001102095
E026	9/12/2013	WTLAP-13-31155	0.000002348
E026	9/12/2013	WTLAP-13-31163	0.000000043069
E030	7/12/2013	WTLAP-13-39042	0.00003488553
E030	9/12/2013	WTLAP-13-39043	0.00000960516
E030	9/12/2013	WTLAP-13-39059	0.0000007496
E038	6/14/2013	WTLAP-13-31103	0.000004322102
E038	6/30/2013	WTLAP-13-31106	0.000002056319
E038	7/12/2013	WTLAP-13-31107	0.000003467393
E038	7/28/2013	WTLAP-13-31110	0.000001139484
E039.1	6/14/2013	WTLAP-13-31104	0.000000028857
E039.1	6/30/2013	WTLAP-13-31105	0.000000943035
E039.1	7/12/2013	WTLAP-13-31108	0.000001055907
E039.1	7/28/2013	WTLAP-13-31109	0.0000000234495

Table 4.2-4 (continued)

Station	Collection Date	Sample ID	2,3,7,8-TCDD TEQ (µg/L)
E039.1	9/10/2013	WTLAP-13-41782	0.00000170705
E040	8/5/2013	WTLAP-13-40573	0.000003119424
E040	9/10/2013	WTLAP-13-41755	0.00000106701
E040	9/12/2013	WTLAP-13-42294	0.000000025756
E040	9/12/2013	WTLAP-13-42297	0.0000000831
E042.1	7/12/2013	WTLAP-13-39151	0.000014199993
E042.1	8/5/2013	WTLAP-13-30750	0.000004924344
E042.1	8/5/2013	WTLAP-13-30754	0.000002660045
E042.1	9/10/2013	WTLAP-13-30751	0.000002359876
E042.1	9/10/2013	WTLAP-13-30755	0.000003085143
E050.1	7/12/2013	WTLAP-13-30837	0.00001133383
E050.1	7/12/2013	WTLAP-13-30841	0.000015166499
E050.1	7/12/2013	WTLAP-13-30865	0.000010629613
E050.1	8/5/2013	WTLAP-13-30838	0.000000181457
E050.1	8/5/2013	WTLAP-13-30842	0.00000013482
E050.1	8/5/2013	WTLAP-13-30867	0.000001414822
E050.1	9/11/2013	WTLAP-13-30839	0.000002503637
E050.1	9/11/2013	WTLAP-13-30843	0.000002543177
E050.1	9/11/2013	WTLAP-13-30869	0.000003089068
E050.1	9/12/2013	WTLAP-13-30840	0.000003275059
E050.1	9/12/2013	WTLAP-13-30844	0.000001420583
E050.1	9/12/2013	WTLAP-13-30871	0.000001759689
E055	6/14/2013	WTLAP-13-30694	0.000000935764
E055	9/12/2013	WTLAP-13-30697	0.000001026135
E055.5	7/12/2013	WTLAP-13-30695	0.000001094876
E055.5	9/13/2013	WTLAP-13-30698	0.0000000724811
E056	7/12/2013	WTLAP-13-36901	0.000001285666
E056	8/5/2013	WTLAP-13-36902	0.000000045932
E056	9/12/2013	WTLAP-13-36903	0.00000001875
E099	7/12/2013	WTESR-13-33858	0.000000023079
E109.9	7/8/2013	WTLAP-13-38797	0.00000006309
E109.9	7/12/2013	WTLAP-13-39008	0.000000033194
E109.9	7/20/2013	WTLAP-13-39326	0.00000007927
E109.9	7/20/2013	WTLAP-13-39334	0.00000008183
E109.9	7/25/2013	WTLAP-13-39377	0.000000015498
E109.9	8/3/2013	WTLAP-13-39441	0.00000004336
E109.9	8/3/2013	WTLAP-13-39446	0.00000004668
E109.9	9/12/2013	WTLAP-13-42176	0.00000097216
E109.9	9/12/2013	WTLAP-13-42180	0.0000088889
E109.9	9/12/2013	WTLAP-13-42183	0.000002934403
E109.9	9/12/2013	WTLAP-13-42185	0.000004952188

Table 4.3-1
Calculated Suspended Solids and Instantaneous Discharge Determined
for Each Sample Collected during 2013 in the LA/P Watershed

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
CO101038	07/12/2013 11:33	UF ^a	WTLAP-13-39027	4110	na ^b	na
CO101038	07/12/2013 11:34	UF	WTLAP-13-39028	3780	na	na
CO101038	07/12/2013 11:36	F ^c	WTLAP-13-39029	3130	na	na
CO101038	07/12/2013 11:37	UF	WTLAP-13-39030	2800	na	na
CO101038	07/12/2013 11:38	UF	WTLAP-13-39031	2480	na	na
CO101038	07/12/2013 11:39	UF	WTLAP-13-39032	2150	na	na
CO101038	07/12/2013 11:40	F	WTLAP-13-39033	2040	na	na
CO101038	07/12/2013 11:41	UF	WTLAP-13-39034	1920	na	na
CO101038	07/12/2013 11:42	F	WTLAP-13-39035	1800	na	na
CO101038	07/12/2013 11:43	UF	WTLAP-13-39036	1690	na	na
CO101038	07/12/2013 11:44	UF	WTLAP-13-39037	1690	na	na
CO101038	09/18/2013 13:30	UF	WTLAP-13-30647	350	na	na
CO101038	09/18/2013 13:31	UF	WTLAP-13-30639	350	na	na
CO101038	09/18/2013 13:33	F	WTLAP-13-30623	350	na	na
CO101038	09/18/2013 13:34	UF	WTLAP-13-30631	350	na	na
CO101038	09/18/2013 13:35	UF	WTLAP-13-30655	350	na	na
CO101038	09/18/2013 13:38	UF	WTLAP-13-30663	350	na	na
CO101038	09/18/2013 13:39	F	WTLAP-13-32564	350	na	na
CO101038	09/18/2013 13:40	F	WTLAP-13-32560	350	na	na
CO101038	09/18/2013 13:41	UF	WTLAP-13-32556	350	na	na
CO111041	06/14/2013 12:40	UF	WTLAP-13-30646	2870	na	na
CO111041	06/14/2013 12:41	UF	WTLAP-13-36961	2870	na	na
CO111041	06/14/2013 12:43	F	WTLAP-13-30622	2870	na	na
CO111041	06/14/2013 12:43	UF	WTLAP-13-30630	2870	na	na
CO111041	06/14/2013 12:51	UF	WTLAP-13-30654	2870	na	na
CO111041	06/14/2013 12:53	F	WTLAP-13-32575	2870	na	na
CO111041	06/14/2013 12:53	UF	WTLAP-13-30638	2870	na	na
CO111041	06/14/2013 13:15	UF	WTLAP-13-32567	2870	na	na
CO111041	06/14/2013 13:24	F	WTLAP-13-32571	2870	na	na
CO111041	06/30/2013 02:57	UF	WTLAP-13-30640	1750	na	na
CO111041	06/30/2013 03:00	UF	WTLAP-13-30648	1750	na	na
CO111041	06/30/2013 03:01	F	WTLAP-13-30624	1580	na	na
CO111041	06/30/2013 03:01	UF	WTLAP-13-30632	1580	na	na
CO111041	06/30/2013 03:02	UF	WTLAP-13-30656	1420	na	na

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
CO111041	06/30/2013 03:03	UF	WTLAP-13-30664	1260	na	na
CO111041	06/30/2013 03:04	UF	WTLAP-13-32568	1090	na	na
CO111041	07/05/2013 00:14	UF	WTLAP-13-30642	1500	na	na
CO111041	07/05/2013 00:16	F	WTLAP-13-30626	1500	na	na
CO111041	07/05/2013 00:16	UF	WTLAP-13-30634	1500	na	na
CO111041	07/05/2013 00:16	UF	WTLAP-13-30650	1500	na	na
CO111041	07/05/2013 00:17	UF	WTLAP-13-32569	880	na	na
CO111041	07/12/2013 11:21	UF	WTLAP-13-39015	4350	1200	na
CO111041	07/12/2013 11:22	F	WTLAP-13-39016	4350	1200	na
CO111041	07/12/2013 11:22	UF	WTLAP-13-39017	4350	1200	na
CO111041	07/12/2013 11:23	UF	WTLAP-13-39018	4350	1200	na
CO111041	07/12/2013 11:24	F	WTLAP-13-39020	4350	1200	na
CO111041	07/12/2013 11:24	UF	WTLAP-13-39019	4350	1200	na
CO111041	07/12/2013 11:25	UF	WTLAP-13-39021	4350	1200	na
CO111041	07/12/2013 11:38	UF	WTLAP-13-39022	4350	1200	na
CO111041	07/12/2013 11:39	UF	WTLAP-13-39023	4350	1200	na
CO111041	07/13/2013 13:32	F	WTLAP-13-39024	4130	na	na
CO111041	07/13/2013 13:33	UF	WTLAP-13-39025	4130	na	na
CO111041	07/13/2013 13:34	UF	WTLAP-13-39026	4160	na	na
CO111041	07/28/2013 05:18	F	WTLAP-13-39429	180	na	na
CO111041	07/28/2013 05:18	UF	WTLAP-13-39428	180	na	na
CO111041	08/05/2013 13:03	UF	WTLAP-13-40532	260	901	na
CO111041	08/05/2013 13:05	UF	WTLAP-13-40533	260	651	na
CO111041	08/05/2013 13:05	UF	WTLAP-13-40533	260	721	na
CO111041	08/05/2013 13:05	UF	WTLAP-13-40534	260	651	na
CO111041	08/05/2013 13:05	UF	WTLAP-13-40534	260	721	na
CO111041	08/05/2013 13:06	UF	WTLAP-13-40535	260	545	na
CO111041	08/05/2013 13:07	UF	WTLAP-13-40536	260	458	na
CO111041	08/05/2013 13:13	UF	WTLAP-13-40537	260	288	na
CO111041	08/05/2013 13:15	UF	WTLAP-13-40538	260	304	na
CO111041	08/05/2013 13:33	UF	WTLAP-13-40539	260	367	na
CO111041	08/05/2013 13:43	UF	WTLAP-13-40540	260	367	na
CO111041	08/09/2013 13:34	UF	WTLAP-13-41057	na	104	na
CO111041	08/09/2013 13:41	UF	WTLAP-13-41058	na	265	na
CO111041	08/09/2013 13:42	UF	WTLAP-13-41059	na	288	na
CO111041	08/09/2013 13:44	UF	WTLAP-13-41060	na	288	na

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
CO111041	08/09/2013 13:45	UF	WTLAP-13-41061	na	254	na
CO111041	08/09/2013 13:46	UF	WTLAP-13-41062	na	217	na
CO111041	09/10/2013 10:34	UF	WTLAP-13-41772	1000	360	na
CO111041	09/10/2013 10:35	UF	WTLAP-13-41773	1000	432	na
CO111041	09/10/2013 10:36	UF	WTLAP-13-41774	1000	504	na
CO111041	09/10/2013 10:37	UF	WTLAP-13-41775	1000	478	na
CO111041	09/10/2013 10:38	UF	WTLAP-13-41776	1000	356	na
CO111041	09/10/2013 10:39	UF	WTLAP-13-41777	1000	339	na
CO111041	09/10/2013 10:40	UF	WTLAP-13-41778	1000	292	na
CO111041	09/10/2013 10:41	UF	WTLAP-13-41779	1000	329	na
CO111041	09/10/2013 10:57	UF	WTLAP-13-41780	1000	132	na
E026	09/12/2013 16:49	UF	WTLAP-13-31179	61600	na	30
E026	09/12/2013 16:51	UF	WTLAP-13-31183	59600	na	32
E026	09/12/2013 16:53	UF	WTLAP-13-31187	69600	na	33
E026	09/12/2013 16:55	UF	WTLAP-13-31191	55800	na	33
E026	09/12/2013 16:57	F	WTLAP-13-31135	53700	na	20
E026	09/12/2013 16:59	UF	WTLAP-13-31139	51500	na	8
E026	09/12/2013 17:01	F	WTLAP-13-32623	49400	na	41
E026	09/12/2013 17:03	F	WTLAP-13-32619	47200	na	38
E026	09/12/2013 17:05	UF	WTLAP-13-32615	45000	na	34
E026	09/12/2013 17:07	UF	WTLAP-13-31207	42900	na	36
E026	09/12/2013 17:09	UF	WTLAP-13-31167	41400	na	38
E026	09/12/2013 17:10	UF	WTLAP-13-31163	40700	na	39
E026	09/12/2013 17:13	UF	WTLAP-13-31143	38500	na	39
E026	09/12/2013 17:15	UF	WTLAP-13-31151	37100	na	39
E026	09/12/2013 17:19	UF	WTLAP-13-31159	34200	na	35
E026	09/12/2013 17:26	UF	WTLAP-13-31155	29100	na	44
E026	09/12/2013 17:39	UF	WTLAP-13-31219	19700	na	95
E026	09/12/2013 17:59	UF	WTLAP-13-31223	21900	na	88
E026	09/12/2013 18:19	UF	WTLAP-13-31227	21200	na	400
E026	09/12/2013 18:39	UF	WTLAP-13-31231	19200	na	380
E026	09/12/2013 18:59	UF	WTLAP-13-31235	13000	na	360
E026	09/12/2013 19:19	UF	WTLAP-13-31239	16700	na	300
E026	09/12/2013 19:39	UF	WTLAP-13-31243	17600	na	250
E026	09/12/2013 19:59	UF	WTLAP-13-31247	38900	na	320
E030	07/12/2013 12:30	UF	WTLAP-13-39038	23500	na	13

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E030	07/12/2013 12:31	UF	WTLAP-13-39042	23000	na	13
E030	07/12/2013 12:33	UF	WTLAP-13-39046	21900	na	12
E030	07/12/2013 12:34	UF	WTLAP-13-39050	21400	na	11
E030	07/12/2013 12:37	UF	WTLAP-13-39054	19800	na	10
E030	07/12/2013 12:40	F	WTLAP-13-39062	18200	na	9.5
E030	07/12/2013 12:40	UF	WTLAP-13-39063	18200	na	9.5
E030	07/12/2013 12:41	UF	WTLAP-13-39070	17700	na	9.2
E030	07/12/2013 12:42	UF	WTLAP-13-39074	17100	na	8.9
E030	09/12/2013 18:19	UF	WTLAP-13-39039	32100	na	45
E030	09/12/2013 18:21	UF	WTLAP-13-39043	30700	na	44
E030	09/12/2013 18:23	UF	WTLAP-13-39047	29300	na	44
E030	09/12/2013 18:24	UF	WTLAP-13-39051	28600	na	44
E030	09/12/2013 18:26	UF	WTLAP-13-39055	27200	na	44
E030	09/12/2013 18:28	UF	WTLAP-13-39059	25800	na	44
E030	09/12/2013 18:30	F	WTLAP-13-39065	24400	na	43
E030	09/12/2013 18:30	UF	WTLAP-13-39064	24400	na	43
E030	09/12/2013 18:31	UF	WTLAP-13-39071	23700	na	44
E030	09/12/2013 18:32	UF	WTLAP-13-39075	23000	na	44
E038	06/14/2013 12:45	UF	WTLAP-13-31649	8140	na	70
E038	06/14/2013 12:47	UF	WTLAP-13-31657	7290	na	61
E038	06/14/2013 12:49	UF	WTLAP-13-31665	5820	na	53
E038	06/14/2013 12:51	UF	WTLAP-13-31673	4870	na	46
E038	06/14/2013 12:53	UF	WTLAP-13-31721	4580	na	41
E038	06/14/2013 12:55	F	WTLAP-13-32587	4280	na	36
E038	06/14/2013 12:55	UF	WTLAP-13-31103	4280	na	36
E038	06/14/2013 12:57	F	WTLAP-13-32583	3970	na	22
E038	06/14/2013 12:58	F	WTLAP-13-31087	3820	na	15
E038	06/14/2013 12:58	UF	WTLAP-13-31095	3820	na	15
E038	06/14/2013 12:59	UF	WTLAP-13-31119	3670	na	7.3
E038	06/14/2013 12:59	UF	WTLAP-13-32579	3670	na	7.3
E038	06/14/2013 13:01	UF	WTLAP-13-31127	3360	na	22
E038	06/14/2013 13:02	UF	WTLAP-13-31111	3210	na	22
E038	06/14/2013 13:03	UF	WTLAP-13-31697	3060	na	21
E038	06/14/2013 13:05	UF	WTLAP-13-31705	2790	na	21
E038	06/14/2013 13:07	UF	WTLAP-13-31681	2470	na	18
E038	06/14/2013 13:09	UF	WTLAP-13-31745	2470	na	15

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E038	06/14/2013 13:11	UF	WTLAP-13-31753	2280	na	12
E038	06/14/2013 13:13	UF	WTLAP-13-31761	2230	na	9.9
E038	06/14/2013 13:15	UF	WTLAP-13-31769	2260	na	7.3
E038	06/14/2013 13:35	UF	WTLAP-13-31777	2480	na	17
E038	06/14/2013 13:55	UF	WTLAP-13-31785	1040	na	1.7
E038	06/14/2013 14:15	UF	WTLAP-13-31793	740	na	0.7
E038	06/14/2013 14:35	UF	WTLAP-13-31801	1330	na	6.8
E038	06/14/2013 14:55	UF	WTLAP-13-31809	620	na	0.8
E038	06/14/2013 15:15	UF	WTLAP-13-31817	370	na	0.3
E038	06/30/2013 15:00	UF	WTLAP-13-31652	11800	na	46
E038	06/30/2013 15:02	UF	WTLAP-13-31660	10000	na	75
E038	06/30/2013 15:04	UF	WTLAP-13-31668	8250	na	100
E038	06/30/2013 15:06	UF	WTLAP-13-31676	6460	na	110
E038	06/30/2013 15:08	UF	WTLAP-13-31684	4830	na	78
E038	06/30/2013 15:10	UF	WTLAP-13-31692	4080	na	51
E038	06/30/2013 15:12	UF	WTLAP-13-31700	3550	na	42
E038	06/30/2013 15:14	UF	WTLAP-13-31708	3110	na	33
E038	06/30/2013 15:15	UF	WTLAP-13-31106	2940	na	29
E038	06/30/2013 15:16	UF	WTLAP-13-31724	2760	na	26
E038	06/30/2013 15:18	F	WTLAP-13-32588	2750	na	21
E038	06/30/2013 15:18	UF	WTLAP-13-31114	2750	na	21
E038	06/30/2013 15:19	UF	WTLAP-13-31122	2640	na	18
E038	06/30/2013 15:20	F	WTLAP-13-32584	2530	na	16
E038	06/30/2013 15:21	UF	WTLAP-13-31130	2420	na	14
E038	06/30/2013 15:22	F	WTLAP-13-31090	2320	na	12
E038	06/30/2013 15:22	F	WTLAP-13-32580	2320	na	12
E038	06/30/2013 15:22	UF	WTLAP-13-31098	2320	na	12
E038	06/30/2013 15:24	UF	WTLAP-13-31748	2100	na	8.8
E038	06/30/2013 15:26	UF	WTLAP-13-31756	1880	na	6.5
E038	06/30/2013 15:28	UF	WTLAP-13-31764	1700	na	5.3
E038	06/30/2013 15:30	UF	WTLAP-13-31772	1580	na	4.2
E038	06/30/2013 15:50	UF	WTLAP-13-31780	730	na	0.5
E038	06/30/2013 16:00	UF	WTLAP-13-31788	380	na	0.3
E038	07/12/2013 11:20	UF	WTLAP-13-31653	9630	na	330
E038	07/12/2013 11:22	UF	WTLAP-13-39226	8600	na	270
E038	07/12/2013 11:24	UF	WTLAP-13-39227	7570	na	210

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E038	07/12/2013 11:26	UF	WTLAP-13-31677	6540	na	190
E038	07/12/2013 11:28	UF	WTLAP-13-31685	5610	na	200
E038	07/12/2013 11:30	UF	WTLAP-13-31107	4650	na	200
E038	07/12/2013 11:30	UF	WTLAP-13-31693	4650	na	200
E038	07/12/2013 11:32	UF	WTLAP-13-31115	5040	na	200
E038	07/12/2013 11:32	UF	WTLAP-13-31701	5040	na	200
E038	07/12/2013 11:33	UF	WTLAP-13-31123	4930	na	200
E038	07/12/2013 11:34	UF	WTLAP-13-31709	4820	na	190
E038	07/12/2013 11:36	UF	WTLAP-13-31131	4130	na	190
E038	07/12/2013 11:36	UF	WTLAP-13-31725	4130	na	190
E038	07/12/2013 11:37	F	WTLAP-13-31091	4030	na	190
E038	07/12/2013 11:37	UF	WTLAP-13-31099	4030	na	190
E038	07/12/2013 11:38	F	WTLAP-13-32589	3940	na	190
E038	07/12/2013 11:40	F	WTLAP-13-32585	3740	na	190
E038	07/12/2013 11:42	UF	WTLAP-13-32581	3550	na	190
E038	07/12/2013 11:44	UF	WTLAP-13-31749	3360	na	190
E038	07/12/2013 11:46	UF	WTLAP-13-31757	4640	na	190
E038	07/12/2013 11:48	UF	WTLAP-13-31765	3310	na	180
E038	07/12/2013 11:50	UF	WTLAP-13-31773	3180	na	180
E038	07/12/2013 12:10	UF	WTLAP-13-31781	2650	na	34
E038	07/12/2013 12:30	UF	WTLAP-13-31789	13300	na	9.2
E038	07/12/2013 12:50	UF	WTLAP-13-31797	4870	na	4.8
E038	07/12/2013 13:10	UF	WTLAP-13-31805	34600	na	2.1
E038	07/12/2013 13:30	UF	WTLAP-13-31813	79800	na	1
E038	07/12/2013 13:50	UF	WTLAP-13-31821	185000	na	1.1
E038	07/12/2013 14:10	UF	WTLAP-13-31829	38900	na	0.7
E038	07/12/2013 14:30	UF	WTLAP-13-31837	108000	na	0.4
E038	07/28/2013 14:30	UF	WTLAP-13-31656	7340	na	74
E038	07/28/2013 14:32	UF	WTLAP-13-31664	4170	na	62
E038	07/28/2013 14:34	UF	WTLAP-13-31672	3250	na	50
E038	07/28/2013 14:36	UF	WTLAP-13-31680	2710	na	40
E038	07/28/2013 14:38	UF	WTLAP-13-31688	2390	na	32
E038	07/28/2013 14:40	UF	WTLAP-13-31110	2060	na	25
E038	07/28/2013 14:40	UF	WTLAP-13-31696	2060	na	25
E038	07/28/2013 14:42	UF	WTLAP-13-31118	1880	na	21
E038	07/28/2013 14:42	UF	WTLAP-13-31704	1880	na	21

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E038	07/28/2013 14:43	UF	WTLAP-13-31126	1840	na	20
E038	07/28/2013 14:44	UF	WTLAP-13-31712	1800	na	18
E038	07/28/2013 14:45	UF	WTLAP-13-31134	1720	na	17
E038	07/28/2013 14:46	F	WTLAP-13-31094	1650	na	15
E038	07/28/2013 14:46	UF	WTLAP-13-31102	1650	na	15
E038	07/28/2013 14:46	UF	WTLAP-13-31728	1650	na	15
E038	07/28/2013 14:48	F	WTLAP-13-32590	1560	na	13
E038	07/28/2013 14:50	F	WTLAP-13-32586	1460	na	9.8
E038	07/28/2013 14:52	UF	WTLAP-13-32582	1360	na	8.7
E038	07/28/2013 14:54	UF	WTLAP-13-31752	1270	na	7.6
E038	07/28/2013 14:56	UF	WTLAP-13-31760	1140	na	5.6
E038	07/28/2013 14:58	UF	WTLAP-13-31768	1130	na	2.8
E038	07/28/2013 15:00	UF	WTLAP-13-31776	840	na	4.4
E038	07/28/2013 15:20	UF	WTLAP-13-31784	600	na	2.3
E038	07/28/2013 15:40	UF	WTLAP-13-31792	510	na	1.2
E038	07/28/2013 16:00	UF	WTLAP-13-31800	1990	na	0.7
E038	07/28/2013 16:20	UF	WTLAP-13-31808	20900	na	0.4
E038	07/28/2013 16:40	UF	WTLAP-13-31816	108000	na	0.4
E038	07/28/2013 17:00	UF	WTLAP-13-31824	56300	na	0.3
E038	07/28/2013 17:20	UF	WTLAP-13-31832	9590	na	0.3
E038	07/28/2013 17:40	UF	WTLAP-13-31840	61200	na	0.3
E038	08/05/2013 13:25	UF	WTLAP-13-40658	7120	1410	170
E038	08/05/2013 13:27	UF	WTLAP-13-40645	6370	1700	160
E038	08/05/2013 13:29	UF	WTLAP-13-40646	5620	1990	150
E038	08/05/2013 13:31	UF	WTLAP-13-40647	4870	1830	140
E038	08/05/2013 13:33	UF	WTLAP-13-40648	4120	1630	120
E038	08/05/2013 13:35	UF	WTLAP-13-40638	3370	1290	95
E038	08/05/2013 13:35	UF	WTLAP-13-40659	3370	1290	95
E038	08/05/2013 13:36	UF	WTLAP-13-40639	3260	1170	87
E038	08/05/2013 13:37	UF	WTLAP-13-40640	3150	1420	79
E038	08/05/2013 13:37	UF	WTLAP-13-40640	3150	1460	79
E038	08/05/2013 13:37	UF	WTLAP-13-40649	3150	1420	79
E038	08/05/2013 13:37	UF	WTLAP-13-40649	3150	1460	79
E038	08/05/2013 13:38	UF	WTLAP-13-40641	3050	1380	71
E038	08/05/2013 13:39	UF	WTLAP-13-40642	2940	1310	64
E038	08/05/2013 13:39	UF	WTLAP-13-40642	2940	1400	64

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E038	08/05/2013 13:39	UF	WTLAP-13-40650	2940	1310	64
E038	08/05/2013 13:39	UF	WTLAP-13-40650	2940	1400	64
E038	08/05/2013 13:41	UF	WTLAP-13-40643	2720	1160	53
E038	08/05/2013 13:41	UF	WTLAP-13-40643	2720	1250	53
E038	08/05/2013 13:41	UF	WTLAP-13-40651	2720	1160	53
E038	08/05/2013 13:41	UF	WTLAP-13-40651	2720	1250	53
E038	08/05/2013 13:42	UF	WTLAP-13-40644	2610	1080	50
E038	08/05/2013 13:43	UF	WTLAP-13-40652	2510	1550	47
E038	08/05/2013 13:45	UF	WTLAP-13-40660	2290	1320	41
E038	08/05/2013 13:47	UF	WTLAP-13-40653	2100	1100	34
E038	08/05/2013 13:49	UF	WTLAP-13-40654	1910	1090	27
E038	08/05/2013 13:51	UF	WTLAP-13-40655	1720	767	22
E038	08/05/2013 13:53	UF	WTLAP-13-40656	1530	811	18
E038	08/05/2013 13:55	UF	WTLAP-13-40661	1340	786	15
E038	08/05/2013 14:15	UF	WTLAP-13-40662	1010	537	5.6
E038	08/05/2013 14:35	UF	WTLAP-13-40657	1200	288	2.6
E038	08/05/2013 14:55	UF	WTLAP-13-40663	1380	288	1.7
E038	08/05/2013 15:15	UF	WTLAP-13-40664	410	288	1.2
E038	08/09/2013 13:34	F ^d	WTLAP-13-41067	na	na	50
E038	08/09/2013 13:34	UF	WTLAP-13-40850	na	na	50
E038	08/09/2013 13:34	UF	WTLAP-13-41053	na	na	50
E038	08/09/2013 13:36	F	WTLAP-13-40856	na	na	57
E038	08/09/2013 13:36	F	WTLAP-13-40899	na	na	57
E038	08/09/2013 13:36	F	WTLAP-13-40901	na	na	57
E038	08/09/2013 13:36	F ^d	WTLAP-13-40855	na	na	57
E038	08/09/2013 13:36	F ^d	WTLAP-13-40889	na	na	57
E038	08/09/2013 13:36	F ^d	WTLAP-13-40877	na	na	57
E038	08/09/2013 13:36	F ^d	WTLAP-13-40888	na	na	57
E038	08/09/2013 13:36	UF	WTLAP-13-40898	na	na	57
E038	08/09/2013 13:36	UF	WTLAP-13-40900	na	na	57
E038	08/09/2013 13:40	UF	WTLAP-13-40851	na	na	38
E038	08/09/2013 13:50	UF	WTLAP-13-40852	na	na	12
E038	08/09/2013 14:00	UF	WTLAP-13-40853	na	na	4
E038	08/09/2013 15:44	UF	WTLAP-13-40854	na	na	0.8
E039.1	06/14/2013 14:00	UF	WTLAP-13-31650	1060	na	13
E039.1	06/14/2013 14:02	UF	WTLAP-13-31658	980	na	13

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E039.1	06/14/2013 14:04	UF	WTLAP-13-31666	940	na	13
E039.1	06/14/2013 14:06	UF	WTLAP-13-31674	920	na	12
E039.1	06/14/2013 14:08	UF	WTLAP-13-31682	850	na	11
E039.1	06/14/2013 14:10	UF	WTLAP-13-31104	780	na	10
E039.1	06/14/2013 14:10	UF	WTLAP-13-31690	780	na	10
E039.1	06/14/2013 14:12	UF	WTLAP-13-31112	770	na	9.7
E039.1	06/14/2013 14:12	UF	WTLAP-13-31698	770	na	9.7
E039.1	06/14/2013 14:13	UF	WTLAP-13-31120	695	na	9.4
E039.1	06/14/2013 14:14	UF	WTLAP-13-31706	620	na	9.1
E039.1	06/14/2013 14:15	UF	WTLAP-13-31128	655	na	8.8
E039.1	06/14/2013 14:16	F	WTLAP-13-31088	690	na	8.5
E039.1	06/14/2013 14:16	UF	WTLAP-13-31096	690	na	8.5
E039.1	06/14/2013 14:16	UF	WTLAP-13-31722	690	na	8.5
E039.1	06/14/2013 14:18	F	WTLAP-13-32599	665	na	7.9
E039.1	06/14/2013 14:20	F	WTLAP-13-32595	640	na	7.3
E039.1	06/14/2013 14:22	UF	WTLAP-13-32591	615	na	6.6
E039.1	06/14/2013 14:24	UF	WTLAP-13-31746	590	na	6
E039.1	06/14/2013 14:26	UF	WTLAP-13-31754	580	na	5.5
E039.1	06/14/2013 14:28	UF	WTLAP-13-31762	570	na	5.1
E039.1	06/14/2013 14:30	UF	WTLAP-13-31770	390	na	4.7
E039.1	06/14/2013 14:50	UF	WTLAP-13-31778	500	na	4.7
E039.1	06/14/2013 15:10	UF	WTLAP-13-31786	520	na	7.8
E039.1	06/30/2013 15:49	UF	WTLAP-13-31651	950	na	11
E039.1	06/30/2013 15:51	UF	WTLAP-13-31659	930	na	11
E039.1	06/30/2013 15:53	UF	WTLAP-13-31667	880	na	11
E039.1	06/30/2013 15:55	UF	WTLAP-13-31675	830	na	10
E039.1	06/30/2013 15:57	UF	WTLAP-13-31683	770	na	6.2
E039.1	06/30/2013 15:59	F	WTLAP-13-32600	732	na	2.1
E039.1	06/30/2013 16:00	UF	WTLAP-13-31105	714	na	8.8
E039.1	06/30/2013 16:01	F	WTLAP-13-32596	695	na	8.5
E039.1	06/30/2013 16:02	UF	WTLAP-13-31113	676	na	8.3
E039.1	06/30/2013 16:03	UF	WTLAP-13-31121	658	na	8
E039.1	06/30/2013 16:03	UF	WTLAP-13-32592	658	na	8
E039.1	06/30/2013 16:05	UF	WTLAP-13-31129	620	na	7.5
E039.1	06/30/2013 16:05	UF	WTLAP-13-31723	620	na	7.5
E039.1	06/30/2013 16:06	F	WTLAP-13-31089	610	na	7.3

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E039.1	06/30/2013 16:06	UF	WTLAP-13-31097	610	na	7.3
E039.1	06/30/2013 16:07	UF	WTLAP-13-31691	600	na	7.1
E039.1	06/30/2013 16:09	UF	WTLAP-13-31699	560	na	6.7
E039.1	06/30/2013 16:11	UF	WTLAP-13-31707	560	na	6.2
E039.1	06/30/2013 16:13	UF	WTLAP-13-31747	520	na	5.7
E039.1	06/30/2013 16:15	UF	WTLAP-13-31755	510	na	5.2
E039.1	06/30/2013 16:17	UF	WTLAP-13-31763	490	na	4.9
E039.1	06/30/2013 16:19	UF	WTLAP-13-31771	470	na	4.6
E039.1	07/12/2013 11:39	UF	WTLAP-13-31654	5770	na	260
E039.1	07/12/2013 11:41	UF	WTLAP-13-31662	5520	na	320
E039.1	07/12/2013 11:43	UF	WTLAP-13-31670	5100	na	320
E039.1	07/12/2013 11:45	UF	WTLAP-13-31678	4590	na	320
E039.1	07/12/2013 11:47	UF	WTLAP-13-31686	4130	na	310
E039.1	07/12/2013 11:49	UF	WTLAP-13-31694	3860	na	300
E039.1	07/12/2013 11:50	UF	WTLAP-13-31108	3740	na	300
E039.1	07/12/2013 11:51	UF	WTLAP-13-31702	3620	na	300
E039.1	07/12/2013 11:52	UF	WTLAP-13-31116	3500	na	290
E039.1	07/12/2013 11:53	UF	WTLAP-13-31124	3380	na	290
E039.1	07/12/2013 11:53	UF	WTLAP-13-31710	3380	na	290
E039.1	07/12/2013 11:55	UF	WTLAP-13-31132	3240	na	280
E039.1	07/12/2013 11:55	UF	WTLAP-13-31726	3240	na	280
E039.1	07/12/2013 11:56	F	WTLAP-13-31092	3160	na	220
E039.1	07/12/2013 11:56	UF	WTLAP-13-31100	3160	na	220
E039.1	07/12/2013 11:57	F	WTLAP-13-32601	3080	na	170
E039.1	07/12/2013 11:59	F	WTLAP-13-32597	2920	na	55
E039.1	07/12/2013 12:01	UF	WTLAP-13-32593	2770	na	260
E039.1	07/12/2013 12:03	UF	WTLAP-13-31750	2610	na	250
E039.1	07/12/2013 12:05	UF	WTLAP-13-31758	2470	na	250
E039.1	07/12/2013 12:07	UF	WTLAP-13-31766	2320	na	230
E039.1	07/12/2013 12:09	UF	WTLAP-13-31774	2150	na	210
E039.1	07/12/2013 12:29	UF	WTLAP-13-31782	1620	na	37
E039.1	07/12/2013 12:49	UF	WTLAP-13-31790	1050	na	6.5
E039.1	07/12/2013 13:09	UF	WTLAP-13-31798	640	na	3.6
E039.1	07/28/2013 15:04	UF	WTLAP-13-31655	1420	na	19
E039.1	07/28/2013 15:06	UF	WTLAP-13-31663	1360	na	23
E039.1	07/28/2013 15:08	UF	WTLAP-13-31671	1220	na	22

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E039.1	07/28/2013 15:10	UF	WTLAP-13-31679	1120	na	21
E039.1	07/28/2013 15:12	UF	WTLAP-13-31687	1010	na	19
E039.1	07/28/2013 15:14	UF	WTLAP-13-31109	950	na	17
E039.1	07/28/2013 15:14	UF	WTLAP-13-31695	950	na	17
E039.1	07/28/2013 15:16	UF	WTLAP-13-31703	900	na	16
E039.1	07/28/2013 15:17	UF	WTLAP-13-31117	855	na	15
E039.1	07/28/2013 15:18	UF	WTLAP-13-31125	810	na	14
E039.1	07/28/2013 15:18	UF	WTLAP-13-31711	810	na	14
E039.1	07/28/2013 15:20	UF	WTLAP-13-31133	790	na	13
E039.1	07/28/2013 15:20	UF	WTLAP-13-31727	790	na	13
E039.1	07/28/2013 15:21	F	WTLAP-13-31093	769	na	12
E039.1	07/28/2013 15:21	UF	WTLAP-13-31101	769	na	12
E039.1	07/28/2013 15:22	F	WTLAP-13-32602	748	na	12
E039.1	07/28/2013 15:24	F	WTLAP-13-32598	705	na	11
E039.1	07/28/2013 15:26	UF	WTLAP-13-32594	662	na	9.7
E039.1	07/28/2013 15:28	UF	WTLAP-13-31751	620	na	9.1
E039.1	07/28/2013 15:30	UF	WTLAP-13-31759	610	na	8.4
E039.1	07/28/2013 15:32	UF	WTLAP-13-31767	580	na	7.9
E039.1	07/28/2013 15:34	UF	WTLAP-13-31775	540	na	7.3
E039.1	08/04/2013 14:04	UF	WTLAP-13-40614	710	530	11
E039.1	08/04/2013 14:06	UF	WTLAP-13-40625	1770	502	11
E039.1	08/04/2013 14:08	UF	WTLAP-13-40626	2820	474	11
E039.1	08/04/2013 14:10	UF	WTLAP-13-40615	3880	450	10
E039.1	08/04/2013 14:12	UF	WTLAP-13-40627	3200	425	9.6
E039.1	08/04/2013 14:14	UF	WTLAP-13-40618	2520	376	8.8
E039.1	08/04/2013 14:14	UF	WTLAP-13-40618	2520	392	8.8
E039.1	08/04/2013 14:14	UF	WTLAP-13-40628	2520	376	8.8
E039.1	08/04/2013 14:14	UF	WTLAP-13-40628	2520	392	8.8
E039.1	08/04/2013 14:16	UF	WTLAP-13-40619	1840	281	8.2
E039.1	08/04/2013 14:16	UF	WTLAP-13-40619	1840	367	8.2
E039.1	08/04/2013 14:16	UF	WTLAP-13-40629	1840	281	8.2
E039.1	08/04/2013 14:16	UF	WTLAP-13-40629	1840	367	8.2
E039.1	08/04/2013 14:17	UF	WTLAP-13-40620	1500	362	7.9
E039.1	08/04/2013 14:18	UF	WTLAP-13-40621	1160	329	7.6
E039.1	08/04/2013 14:18	UF	WTLAP-13-40621	1160	348	7.6
E039.1	08/04/2013 14:18	UF	WTLAP-13-40630	1160	329	7.6

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E039.1	08/04/2013 14:18	UF	WTLAP-13-40630	1160	348	7.6
E039.1	08/04/2013 14:19	UF	WTLAP-13-40622	820	230	7.3
E039.1	08/04/2013 14:20	UF	WTLAP-13-40616	480	303	7
E039.1	08/04/2013 14:20	UF	WTLAP-13-40623	480	303	7
E039.1	08/04/2013 14:21	UF	WTLAP-13-40624	475	264	6.8
E039.1	08/04/2013 14:22	UF	WTLAP-13-40631	470	319	6.6
E039.1	08/04/2013 14:24	UF	WTLAP-13-40632	460	342	6.2
E039.1	08/04/2013 14:26	UF	WTLAP-13-40633	450	287	5.8
E039.1	08/04/2013 14:28	UF	WTLAP-13-40634	440	267	5.3
E039.1	08/04/2013 14:30	UF	WTLAP-13-40635	430	252	4.9
E039.1	08/04/2013 14:32	UF	WTLAP-13-40617	420	248	4.7
E039.1	08/04/2013 14:34	UF	WTLAP-13-40636	420	243	4.4
E039.1	08/09/2013 14:09	UF	WTLAP-13-40903	1100	na	13
E039.1	08/09/2013 14:17	UF	WTLAP-13-40904	870	na	14
E039.1	08/09/2013 14:25	UF	WTLAP-13-40905	720	na	9.7
E039.1	08/09/2013 14:37	UF	WTLAP-13-40906	570	na	6.2
E039.1	09/10/2013 16:09	UF	WTLAP-13-41791	1790	1780	11
E039.1	09/10/2013 16:11	UF	WTLAP-13-41792	1820	1680	11
E039.1	09/10/2013 16:13	UF	WTLAP-13-41793	1790	1580	11
E039.1	09/10/2013 16:15	UF	WTLAP-13-41794	1760	1480	11
E039.1	09/10/2013 16:17	UF	WTLAP-13-41795	1690	1380	11
E039.1	09/10/2013 16:19	UF	WTLAP-13-41782	1610	1280	10
E039.1	09/10/2013 16:19	UF	WTLAP-13-41796	1610	1280	10
E039.1	09/10/2013 16:21	F	WTLAP-13-41797	1540	1180	9.7
E039.1	09/10/2013 16:22	UF	WTLAP-13-41783	1500	1130	9.5
E039.1	09/10/2013 16:23	F	WTLAP-13-41798	1460	1080	9.2
E039.1	09/10/2013 16:24	UF	WTLAP-13-41784	1420	1030	9
E039.1	09/10/2013 16:25	UF	WTLAP-13-41799	1380	982	8.8
E039.1	09/10/2013 16:26	UF	WTLAP-13-41785	1350	932	8.5
E039.1	09/10/2013 16:27	UF	WTLAP-13-41786	1310	882	8.3
E039.1	09/10/2013 16:27	UF	WTLAP-13-41800	1310	882	8.3
E039.1	09/10/2013 16:28	F	WTLAP-13-41787	1320	832	8
E039.1	09/10/2013 16:29	UF	WTLAP-13-41788	1330	782	7.8
E039.1	09/10/2013 16:29	UF	WTLAP-13-41801	1330	782	7.8
E039.1	09/10/2013 16:30	UF	WTLAP-13-41789	1240	732	7.5
E039.1	09/10/2013 16:31	UF	WTLAP-13-41790	1160	616	7.4

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E039.1	09/10/2013 16:31	UF	WTLAP-13-41802	1160	616	7.4
E039.1	09/10/2013 16:33	UF	WTLAP-13-41803	1100	616	7.2
E039.1	09/10/2013 16:35	UF	WTLAP-13-41804	1050	616	7
E039.1	09/10/2013 16:37	UF	WTLAP-13-41805	1000	616	6.7
E039.1	09/10/2013 16:39	UF	WTLAP-13-41806	990	616	6.4
E039.1	09/10/2013 16:59	UF	WTLAP-13-41807	750	616	2.4
E039.1	09/10/2013 17:59	UF	WTLAP-13-41808	820	616	4.2
E039.1	09/10/2013 18:19	UF	WTLAP-13-41809	1700	616	35
E039.1	09/10/2013 18:39	UF	WTLAP-13-41810	1130	616	16
E039.1	09/10/2013 18:59	UF	WTLAP-13-41811	790	616	9.2
E039.1	09/10/2013 19:19	UF	WTLAP-13-41812	620	616	4.2
E039.1	09/12/2013 15:11	UF	WTLAP-13-42314	1340	na	12
E039.1	09/12/2013 15:15	UF	WTLAP-13-42302	1400	na	15
E039.1	09/12/2013 15:19	UF	WTLAP-13-42303	1280	na	14
E039.1	09/12/2013 15:23	UF	WTLAP-13-42304	1180	na	13
E039.1	09/12/2013 15:27	UF	WTLAP-13-42305	1010	na	11
E039.1	09/12/2013 15:29	UF	WTLAP-13-42308	650	na	10
E039.1	09/12/2013 15:31	UF	WTLAP-13-42306	880	na	9.4
E039.1	09/12/2013 15:35	UF	WTLAP-13-42307	770	na	8.4
E039.1	09/12/2013 16:39	UF	WTLAP-13-42309	920	na	31
E039.1	09/12/2013 16:59	UF	WTLAP-13-42310	640	na	7
E039.1	09/12/2013 17:39	UF	WTLAP-13-42311	490	na	9.7
E039.1	09/12/2013 18:19	UF	WTLAP-13-42312	990	na	48
E039.1	11/05/2013 01:43	UF	WTLAP-13-46044	1430	na	9.4
E039.1	11/05/2013 01:47	UF	WTLAP-13-46045	1020	na	17
E039.1	11/05/2013 01:51	UF	WTLAP-13-46046	880	na	20
E039.1	11/05/2013 01:55	UF	WTLAP-13-46047	740	na	21
E039.1	11/05/2013 01:59	UF	WTLAP-13-46048	620	na	5
E039.1	11/05/2013 02:03	UF	WTLAP-13-46049	530	na	20
E039.1	11/05/2013 02:07	UF	WTLAP-13-46050	470	na	18
E039.1	11/05/2013 02:11	UF	WTLAP-13-46051	400	na	16
E039.1	11/05/2013 02:33	UF	WTLAP-13-46052	370	na	6.6
E040	07/12/2013 12:15	UF	WTLAP-13-39228	2330	na	250
E040	07/12/2013 12:16	UF	WTLAP-13-39229	2330	na	250
E040	08/05/2013 14:24	UF	WTLAP-13-40572	5420	na	22
E040	08/05/2013 14:26	UF	WTLAP-13-40573	5130	na	20

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E040	08/05/2013 14:28	UF	WTLAP-13-40574	4840	na	18
E040	08/05/2013 14:29	UF	WTLAP-13-40575	4700	na	17
E040	08/05/2013 14:31	UF	WTLAP-13-40576	4410	na	14
E040	08/05/2013 14:32	F	WTLAP-13-40577	4260	na	14
E040	08/05/2013 14:32	UF	WTLAP-13-40578	4260	na	14
E040	08/05/2013 14:33	UF	WTLAP-13-40579	4120	na	13
E040	08/05/2013 14:34	F	WTLAP-13-40580	3970	na	12
E040	08/05/2013 14:36	F	WTLAP-13-40581	3680	na	10
E040	08/05/2013 14:37	UF	WTLAP-13-40582	3540	na	10
E040	09/10/2013 18:54	UF	WTLAP-13-41754	3550	na	26
E040	09/10/2013 18:55	UF	WTLAP-13-41755	3500	na	26
E040	09/10/2013 18:58	UF	WTLAP-13-41758	3360	na	12
E040	09/10/2013 18:59	UF	WTLAP-13-41764	3320	na	7.3
E040	09/10/2013 19:02	UF	WTLAP-13-41765	3180	na	21
E040	09/10/2013 19:03	UF	WTLAP-13-41766	3130	na	21
E040	09/10/2013 19:05	F	WTLAP-13-41767	3040	na	20
E040	09/10/2013 19:05	F	WTLAP-13-41768	3040	na	20
E040	09/10/2013 19:06	UF	WTLAP-13-41769	2990	na	19
E040	09/10/2013 19:07	F	WTLAP-13-41770	2940	na	19
E040	09/10/2013 19:09	UF	WTLAP-13-41771	2850	na	17
E040	09/12/2013 16:15	UF	WTLAP-13-42294	1220	na	10
E040	09/12/2013 16:17	UF	WTLAP-13-42292	1220	na	9.7
E040	09/12/2013 16:18	UF	WTLAP-13-42295	1200	na	9.4
E040	09/12/2013 16:20	UF	WTLAP-13-42301	1160	na	8.7
E040	09/12/2013 16:22	UF	WTLAP-13-42297	1130	na	8.4
E040	09/12/2013 16:24	F	WTLAP-13-42299	1090	na	8
E040	09/12/2013 16:24	UF	WTLAP-13-42298	1090	na	8
E040	09/12/2013 16:25	UF	WTLAP-13-42300	1070	na	7.9
E040	09/12/2013 16:26	UF	WTLAP-13-42293	1050	na	7.8
E042.1	07/12/2013 12:40	UF	WTLAP-13-39153	63600	94000	150
E042.1	07/12/2013 12:42	UF	WTLAP-13-39154	70800	87300	150
E042.1	07/12/2013 12:58	UF	WTLAP-13-39156	51900	34100	61
E042.1	07/12/2013 12:59	UF	WTLAP-13-39147	50700	30800	31
E042.1	07/12/2013 13:00	UF	WTLAP-13-39157	45500	27400	130
E042.1	07/12/2013 13:02	UF	WTLAP-13-39158	35000	20800	100
E042.1	07/12/2013 13:03	UF	WTLAP-13-39148	29700	19400	87

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E042.1	07/12/2013 13:04	UF	WTLAP-13-39159	29600	18000	73
E042.1	07/12/2013 13:06	UF	WTLAP-13-39160	29200	15900	58
E042.1	07/12/2013 13:07	UF	WTLAP-13-39149	29100	16200	58
E042.1	07/12/2013 13:08	UF	WTLAP-13-39161	28900	16400	59
E042.1	07/12/2013 13:10	UF	WTLAP-13-39162	28600	15000	60
E042.1	07/12/2013 13:30	UF	WTLAP-13-39163	25300	12300	50
E042.1	07/12/2013 13:45	F	WTLAP-13-39150	22900	8680	48
E042.1	07/12/2013 13:50	UF	WTLAP-13-39164	22100	7480	42
E042.1	07/12/2013 14:10	UF	WTLAP-13-39165	18800	5740	34
E042.1	07/12/2013 14:30	UF	WTLAP-13-39151	15500	5120	30
E042.1	07/12/2013 14:30	UF	WTLAP-13-39152	15500	5120	30
E042.1	07/12/2013 14:30	UF	WTLAP-13-39166	15500	5120	30
E042.1	07/12/2013 14:50	UF	WTLAP-13-39167	12300	5120	28
E042.1	07/12/2013 15:10	F	WTLAP-13-39168	9020	5120	26
E042.1	07/12/2013 15:10	UF	WTLAP-13-39169	9020	5120	26
E042.1	07/12/2013 15:30	UF	WTLAP-13-39170	5760	5120	24
E042.1	07/12/2013 15:50	UF	WTLAP-13-39171	2500	5120	23
E042.1	08/05/2013 15:00	UF	WTLAP-13-31270	16000	na	80
E042.1	08/05/2013 15:02	UF	WTLAP-13-31278	16000	na	73
E042.1	08/05/2013 15:04	UF	WTLAP-13-31284	16000	na	65
E042.1	08/05/2013 15:06	UF	WTLAP-13-31298	13000	na	60
E042.1	08/05/2013 15:08	UF	WTLAP-13-31306	11400	na	58
E042.1	08/05/2013 15:10	UF	WTLAP-13-30750	10900	na	56
E042.1	08/05/2013 15:10	UF	WTLAP-13-31314	10900	na	56
E042.1	08/05/2013 15:12	UF	WTLAP-13-30758	10000	na	53
E042.1	08/05/2013 15:12	UF	WTLAP-13-31322	10000	na	53
E042.1	08/05/2013 15:14	UF	WTLAP-13-30770	7630	na	50
E042.1	08/05/2013 15:14	UF	WTLAP-13-31330	7630	na	50
E042.1	08/05/2013 15:16	UF	WTLAP-13-31338	8100	na	48
E042.1	08/05/2013 15:18	F	WTLAP-13-32612	7780	na	47
E042.1	08/05/2013 15:18	UF	WTLAP-13-30782	7780	na	47
E042.1	08/05/2013 15:20	F	WTLAP-13-30742	7460	na	46
E042.1	08/05/2013 15:20	F	WTLAP-13-32608	7460	na	46
E042.1	08/05/2013 15:20	UF	WTLAP-13-30746	7460	na	46
E042.1	08/05/2013 15:22	UF	WTLAP-13-30786	7150	na	45
E042.1	08/05/2013 15:22	UF	WTLAP-13-32604	7150	na	45

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E042.1	08/05/2013 15:24	UF	WTLAP-13-30754	6830	na	45
E042.1	08/05/2013 15:24	UF	WTLAP-13-31362	6830	na	45
E042.1	08/05/2013 15:26	UF	WTLAP-13-31370	6380	na	44
E042.1	08/05/2013 15:28	UF	WTLAP-13-31378	5880	na	43
E042.1	08/05/2013 15:30	UF	WTLAP-13-31386	5590	na	42
E042.1	08/05/2013 15:50	UF	WTLAP-13-31394	3680	na	30
E042.1	08/05/2013 16:00	UF	WTLAP-13-30762	3210	na	28
E042.1	08/05/2013 16:10	UF	WTLAP-13-40589	2740	na	26
E042.1	09/10/2013 19:29	UF	WTLAP-13-31271	13500	na	28
E042.1	09/10/2013 19:31	UF	WTLAP-13-30767	13500	na	35
E042.1	09/10/2013 19:33	UF	WTLAP-13-31285	13500	na	35
E042.1	09/10/2013 19:35	UF	WTLAP-13-31291	16000	na	35
E042.1	09/10/2013 19:37	UF	WTLAP-13-31299	10800	na	35
E042.1	09/10/2013 19:39	UF	WTLAP-13-31307	10300	na	35
E042.1	09/10/2013 19:40	UF	WTLAP-13-30759	10900	na	35
E042.1	09/10/2013 19:41	UF	WTLAP-13-31315	11500	na	35
E042.1	09/10/2013 19:43	UF	WTLAP-13-31323	11900	na	35
E042.1	09/10/2013 19:44	UF	WTLAP-13-30771	11400	na	35
E042.1	09/10/2013 19:45	F	WTLAP-13-32613	10900	na	35
E042.1	09/10/2013 19:47	F	WTLAP-13-32609	9830	na	36
E042.1	09/10/2013 19:49	UF	WTLAP-13-32605	8820	na	36
E042.1	09/10/2013 19:50	UF	WTLAP-13-30783	8310	na	36
E042.1	09/10/2013 19:51	F	WTLAP-13-30743	7800	na	36
E042.1	09/10/2013 19:51	UF	WTLAP-13-30747	7800	na	36
E042.1	09/10/2013 19:52	UF	WTLAP-13-30787	7290	na	36
E042.1	09/10/2013 19:53	UF	WTLAP-13-31279	6780	na	36
E042.1	09/10/2013 19:54	UF	WTLAP-13-30751	6270	na	36
E042.1	09/10/2013 19:55	UF	WTLAP-13-31331	5760	na	36
E042.1	09/10/2013 19:57	UF	WTLAP-13-31363	5490	na	22
E042.1	09/10/2013 19:59	UF	WTLAP-13-31371	4880	na	7.2
E042.1	09/10/2013 20:19	UF	WTLAP-13-31339	4450	na	28
E042.1	09/10/2013 20:30	UF	WTLAP-13-30755	4360	na	26
E042.1	09/10/2013 20:30	UF	WTLAP-13-30763	4360	na	26
E042.1	09/10/2013 21:39	UF	WTLAP-13-31403	3820	na	21
E042.1	09/10/2013 21:59	UF	WTLAP-13-31379	3610	na	21
E042.1	09/10/2013 22:19	UF	WTLAP-13-31387	2950	na	22

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E042.1	09/10/2013 22:39	UF	WTLAP-13-31419	2610	na	23
E050.1	07/12/2013 13:15	UF	WTLAP-13-39116	12900	na	16
E050.1	07/12/2013 13:17	UF	WTLAP-13-39122	12400	na	20
E050.1	07/12/2013 13:19	UF	WTLAP-13-39118	12000	na	23
E050.1	07/12/2013 13:21	UF	WTLAP-13-39120	11700	na	26
E050.1	07/12/2013 13:23	UF	WTLAP-13-39124	11400	na	29
E050.1	07/12/2013 13:25	UF	WTLAP-13-39131	11000	na	31
E050.1	07/12/2013 13:27	UF	WTLAP-13-31495	10700	na	32
E050.1	07/12/2013 13:29	UF	WTLAP-13-31503	6230	na	32
E050.1	07/12/2013 13:31	UF	WTLAP-13-31519	9760	na	32
E050.1	07/12/2013 13:33	F	WTLAP-13-32635	9520	na	32
E050.1	07/12/2013 13:35	F	WTLAP-13-32631	9280	na	32
E050.1	07/12/2013 13:37	UF	WTLAP-13-32627	9040	na	32
E050.1	07/12/2013 13:39	UF	WTLAP-13-31543	8800	na	32
E050.1	07/12/2013 13:40	UF	WTLAP-13-30865	8670	na	32
E050.1	07/12/2013 13:41	UF	WTLAP-13-39126	8550	na	32
E050.1	07/12/2013 13:42	UF	WTLAP-13-30845	8420	na	32
E050.1	07/12/2013 13:44	UF	WTLAP-13-31079	8170	na	32
E050.1	07/12/2013 13:45	UF	WTLAP-13-31567	8040	na	32
E050.1	07/12/2013 13:48	UF	WTLAP-13-30853	7820	na	31
E050.1	07/12/2013 13:50	F	WTLAP-13-30829	7680	na	31
E050.1	07/12/2013 13:50	UF	WTLAP-13-30833	7680	na	31
E050.1	07/12/2013 13:52	UF	WTLAP-13-30857	7530	na	30
E050.1	07/12/2013 13:52	UF	WTLAP-13-30861	7530	na	30
E050.1	07/12/2013 13:54	UF	WTLAP-13-30837	7390	na	29
E050.1	07/12/2013 14:05	UF	WTLAP-13-31575	6590	na	25
E050.1	07/12/2013 14:25	UF	WTLAP-13-31591	5350	na	19
E050.1	07/12/2013 14:30	UF	WTLAP-13-31952	5180	na	18
E050.1	07/12/2013 14:45	UF	WTLAP-13-31599	4690	na	14
E050.1	07/12/2013 15:05	UF	WTLAP-13-31607	4140	na	9
E050.1	07/12/2013 15:15	UF	WTLAP-13-30841	3950	na	7.8
E050.1	07/12/2013 15:15	UF	WTLAP-13-31964	3950	na	7.8
E050.1	07/12/2013 15:25	UF	WTLAP-13-31615	3760	na	6.7
E050.1	07/12/2013 15:45	UF	WTLAP-13-31623	3350	na	5.4
E050.1	07/12/2013 16:05	UF	WTLAP-13-31631	3100	na	4
E050.1	07/12/2013 16:25	UF	WTLAP-13-31640	2760	na	2.3

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E050.1	08/05/2013 17:45	UF	WTLAP-13-31458	4700	na	5.2
E050.1	08/05/2013 17:47	UF	WTLAP-13-31466	4700	na	7.2
E050.1	08/05/2013 17:49	UF	WTLAP-13-31474	4700	na	9.2
E050.1	08/05/2013 17:51	UF	WTLAP-13-31482	5880	na	12
E050.1	08/05/2013 17:53	UF	WTLAP-13-31490	6370	na	14
E050.1	08/05/2013 17:57	UF	WTLAP-13-31498	7340	na	10
E050.1	08/05/2013 17:59	UF	WTLAP-13-31506	6100	na	3.8
E050.1	08/05/2013 18:01	UF	WTLAP-13-31522	5250	na	20
E050.1	08/05/2013 18:03	F	WTLAP-13-32636	4720	na	20
E050.1	08/05/2013 18:05	F	WTLAP-13-32632	4190	na	20
E050.1	08/05/2013 18:07	UF	WTLAP-13-32628	3660	na	19
E050.1	08/05/2013 18:09	UF	WTLAP-13-30867	3130	na	18
E050.1	08/05/2013 18:09	UF	WTLAP-13-31546	3130	na	18
E050.1	08/05/2013 18:11	UF	WTLAP-13-30846	2940	na	17
E050.1	08/05/2013 18:11	UF	WTLAP-13-31554	2940	na	17
E050.1	08/05/2013 18:13	UF	WTLAP-13-31082	2960	na	16
E050.1	08/05/2013 18:13	UF	WTLAP-13-31562	2960	na	16
E050.1	08/05/2013 18:15	UF	WTLAP-13-31570	2870	na	15
E050.1	08/05/2013 18:17	UF	WTLAP-13-30854	2760	na	14
E050.1	08/05/2013 18:19	F	WTLAP-13-30830	2650	na	13
E050.1	08/05/2013 18:19	UF	WTLAP-13-30834	2650	na	13
E050.1	08/05/2013 18:21	UF	WTLAP-13-30858	2540	na	12
E050.1	08/05/2013 18:21	UF	WTLAP-13-30862	2540	na	12
E050.1	08/05/2013 18:23	UF	WTLAP-13-30838	2430	na	12
E050.1	08/05/2013 18:35	UF	WTLAP-13-31578	1760	na	9.6
E050.1	08/05/2013 18:55	UF	WTLAP-13-31594	1420	na	5.9
E050.1	08/05/2013 18:59	UF	WTLAP-13-31955	1390	na	17
E050.1	08/05/2013 19:15	UF	WTLAP-13-31602	1270	na	3.4
E050.1	08/05/2013 19:35	UF	WTLAP-13-31610	1180	na	2
E050.1	08/05/2013 19:44	UF	WTLAP-13-30842	1140	na	1.6
E050.1	08/05/2013 19:44	UF	WTLAP-13-31967	1140	na	1.6
E050.1	08/05/2013 19:55	UF	WTLAP-13-31618	1090	na	1.2
E050.1	09/10/2013 22:24	UF	WTLAP-13-31459	1250	na	5
E050.1	09/10/2013 22:26	UF	WTLAP-13-31467	1250	na	5.3
E050.1	09/10/2013 22:28	UF	WTLAP-13-31475	1250	na	5.4
E050.1	09/10/2013 22:30	UF	WTLAP-13-31483	1250	na	5.6

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E050.1	09/10/2013 22:32	UF	WTLAP-13-31491	1250	na	5.8
E050.1	09/10/2013 22:36	UF	WTLAP-13-31499	1260	na	6.2
E050.1	09/10/2013 22:38	UF	WTLAP-13-31507	1260	na	6.3
E050.1	09/10/2013 22:40	UF	WTLAP-13-31523	1280	na	6.4
E050.1	09/10/2013 22:42	F	WTLAP-13-32637	1270	na	6.5
E050.1	09/10/2013 22:44	F	WTLAP-13-32633	1260	na	6.6
E050.1	09/10/2013 22:46	UF	WTLAP-13-32629	1240	na	6.7
E050.1	09/10/2013 22:48	UF	WTLAP-13-31547	1230	na	6.8
E050.1	09/10/2013 22:50	UF	WTLAP-13-31555	1260	na	7
E050.1	09/10/2013 22:52	UF	WTLAP-13-31563	1260	na	7.1
E050.1	09/10/2013 22:54	UF	WTLAP-13-31571	1290	na	7.2
E050.1	09/10/2013 23:14	UF	WTLAP-13-31579	1300	na	8.9
E050.1	09/10/2013 23:34	UF	WTLAP-13-31595	1320	na	10
E050.1	09/10/2013 23:54	UF	WTLAP-13-31603	1340	na	11
E050.1	09/11/2013 00:04	UF	WTLAP-13-30869	1480	na	11
E050.1	09/11/2013 00:06	UF	WTLAP-13-30847	1480	na	11
E050.1	09/11/2013 00:08	UF	WTLAP-13-31083	1480	na	11
E050.1	09/11/2013 00:12	UF	WTLAP-13-30855	1480	na	11
E050.1	09/11/2013 00:14	F	WTLAP-13-30831	1480	na	11
E050.1	09/11/2013 00:14	UF	WTLAP-13-30835	1480	na	11
E050.1	09/11/2013 00:14	UF	WTLAP-13-31611	1480	na	11
E050.1	09/11/2013 00:16	UF	WTLAP-13-30859	1480	na	11
E050.1	09/11/2013 00:16	UF	WTLAP-13-30863	1480	na	11
E050.1	09/11/2013 00:18	UF	WTLAP-13-30839	1480	na	11
E050.1	09/11/2013 00:34	UF	WTLAP-13-31619	1480	na	11
E050.1	09/11/2013 00:54	UF	WTLAP-13-31627	1580	na	9.9
E050.1	09/11/2013 00:54	UF	WTLAP-13-31958	1580	na	9.9
E050.1	09/11/2013 01:14	UF	WTLAP-13-31635	1630	na	9.9
E050.1	09/11/2013 01:34	UF	WTLAP-13-31644	1750	na	12
E050.1	09/11/2013 01:39	UF	WTLAP-13-30843	1750	na	12
E050.1	09/11/2013 01:39	UF	WTLAP-13-31970	1750	na	12
E050.1	09/12/2013 17:54	UF	WTLAP-13-31462	990	na	7.3
E050.1	09/12/2013 17:56	UF	WTLAP-13-31470	990	na	6.5
E050.1	09/12/2013 17:58	UF	WTLAP-13-31478	990	na	3.4
E050.1	09/12/2013 18:00	UF	WTLAP-13-31486	960	na	11
E050.1	09/12/2013 18:02	UF	WTLAP-13-31494	1060	na	12

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E050.1	09/12/2013 18:06	UF	WTLAP-13-31502	1270	na	14
E050.1	09/12/2013 18:08	UF	WTLAP-13-31510	1400	na	16
E050.1	09/12/2013 18:10	UF	WTLAP-13-31526	1560	na	17
E050.1	09/12/2013 18:12	F	WTLAP-13-32638	1630	na	18
E050.1	09/12/2013 18:14	F	WTLAP-13-32634	1700	na	20
E050.1	09/12/2013 18:16	UF	WTLAP-13-32630	1780	na	21
E050.1	09/12/2013 18:18	UF	WTLAP-13-31550	1850	na	22
E050.1	09/12/2013 18:20	UF	WTLAP-13-31558	1810	na	23
E050.1	09/12/2013 18:22	UF	WTLAP-13-31566	1840	na	23
E050.1	09/12/2013 18:24	UF	WTLAP-13-31574	1820	na	24
E050.1	09/12/2013 18:44	UF	WTLAP-13-31582	2690	na	59
E050.1	09/12/2013 19:04	UF	WTLAP-13-30871	11200	na	87
E050.1	09/12/2013 19:04	UF	WTLAP-13-31598	11200	na	87
E050.1	09/12/2013 19:06	UF	WTLAP-13-30848	11300	na	87
E050.1	09/12/2013 19:08	UF	WTLAP-13-31086	11500	na	87
E050.1	09/12/2013 19:12	UF	WTLAP-13-30856	11700	na	87
E050.1	09/12/2013 19:14	F	WTLAP-13-30832	11900	na	87
E050.1	09/12/2013 19:14	UF	WTLAP-13-30836	11900	na	87
E050.1	09/12/2013 19:16	UF	WTLAP-13-30860	12000	na	87
E050.1	09/12/2013 19:16	UF	WTLAP-13-30864	12000	na	87
E050.1	09/12/2013 19:18	UF	WTLAP-13-30840	12200	na	87
E050.1	09/12/2013 19:24	UF	WTLAP-13-31606	12600	na	86
E050.1	09/12/2013 19:44	UF	WTLAP-13-31614	10500	na	82
E050.1	09/12/2013 19:54	UF	WTLAP-13-31961	9290	na	84
E050.1	09/12/2013 20:04	UF	WTLAP-13-31622	8090	na	74
E050.1	09/12/2013 20:24	UF	WTLAP-13-31630	6960	na	62
E050.1	09/12/2013 20:39	UF	WTLAP-13-30844	6350	na	56
E050.1	09/12/2013 20:44	UF	WTLAP-13-31638	6150	na	54
E050.1	09/12/2013 21:04	UF	WTLAP-13-31647	5650	na	51
E055	06/14/2013 13:45	UF	WTLAP-13-30706	1850	na	14
E055	06/14/2013 13:46	UF	WTLAP-13-30694	1980	na	14
E055	06/14/2013 13:48	UF	WTLAP-13-30718	2260	na	13
E055	06/14/2013 13:52	UF	WTLAP-13-30682	2800	na	13
E055	06/14/2013 13:53	F	WTLAP-13-30670	2930	na	12
E055	06/14/2013 13:54	UF	WTLAP-13-32639	3060	na	12
E055	06/14/2013 13:55	F	WTLAP-13-32643	3200	na	12

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E055	06/14/2013 13:56	F	WTLAP-13-32647	3340	na	9.6
E055	06/14/2013 13:57	UF	WTLAP-13-30730	3470	na	7.2
E055	09/12/2013 16:55	UF	WTLAP-13-30709	9330	na	12
E055	09/12/2013 16:56	UF	WTLAP-13-30697	9720	na	11
E055	09/12/2013 16:58	UF	WTLAP-13-30721	10500	na	9.6
E055	09/12/2013 17:00	F	WTLAP-13-30673	11300	na	12
E055	09/12/2013 17:00	UF	WTLAP-13-30685	11300	na	12
E055	09/12/2013 17:01	UF	WTLAP-13-30733	11700	na	12
E055	09/12/2013 17:02	F	WTLAP-13-32648	11700	na	13
E055	09/12/2013 17:03	F	WTLAP-13-32644	11700	na	13
E055	09/12/2013 17:04	UF	WTLAP-13-32640	11700	na	13
E055.5	07/12/2013 11:50	UF	WTLAP-13-30707	11400	na	4.8
E055.5	07/12/2013 11:52	UF	WTLAP-13-30695	9250	na	3.5
E055.5	07/12/2013 11:56	UF	WTLAP-13-30719	4970	na	1.2
E055.5	07/12/2013 11:57	F	WTLAP-13-30671	3900	na	0.9
E055.5	07/12/2013 11:57	UF	WTLAP-13-30683	3900	na	0.9
E055.5	07/12/2013 11:59	UF	WTLAP-13-30731	1760	na	0.3
E055.5	09/13/2013 06:55	UF	WTLAP-13-30710	5180	na	3.5
E055.5	09/13/2013 06:57	UF	WTLAP-13-30698	5240	na	2.1
E055.5	09/13/2013 07:01	UF	WTLAP-13-30722	5370	na	11
E055.5	09/13/2013 07:03	F	WTLAP-13-30674	5430	na	11
E055.5	09/13/2013 07:03	UF	WTLAP-13-30686	5430	na	11
E055.5	09/13/2013 07:05	UF	WTLAP-13-30734	5490	na	11
E055.5	09/13/2013 07:06	F	WTLAP-13-32680	5490	na	11
E055.5	09/13/2013 07:06	F	WTLAP-13-32684	5490	na	11
E055.5	09/13/2013 07:08	UF	WTLAP-13-32676	5490	na	12
E056	06/14/2013 13:40	F	WTLAP-13-36892	5800	na	16
E056	06/14/2013 13:40	UF	WTLAP-13-36893	5800	na	16
E056	06/14/2013 13:40	UF	WTLAP-13-36912	5800	na	16
E056	07/12/2013 12:00	UF	WTLAP-13-36905	5700	na	21
E056	07/12/2013 12:02	UF	WTLAP-13-36901	5150	na	18
E056	07/12/2013 12:04	UF	WTLAP-13-36909	4590	na	15
E056	07/12/2013 12:05	F	WTLAP-13-36895	4320	na	14
E056	07/12/2013 12:05	UF	WTLAP-13-36894	4320	na	14
E056	07/12/2013 12:06	UF	WTLAP-13-36913	4040	na	13
E056	07/12/2013 12:07	F	WTLAP-13-36925	4040	na	13

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E056	07/12/2013 12:09	F	WTLAP-13-36921	4040	na	12
E056	07/12/2013 12:10	UF	WTLAP-13-36917	4040	na	11
E056	08/05/2013 13:45	UF	WTLAP-13-36906	2450	na	9.2
E056	08/05/2013 13:46	UF	WTLAP-13-36902	2410	na	8.9
E056	08/05/2013 13:49	UF	WTLAP-13-36910	2280	na	7.9
E056	08/05/2013 13:50	F	WTLAP-13-36896	2240	na	7.6
E056	08/05/2013 13:50	UF	WTLAP-13-36897	2240	na	7.6
E056	08/05/2013 13:52	UF	WTLAP-13-36914	2160	na	7
E056	08/05/2013 13:53	F	WTLAP-13-36926	2160	na	6.6
E056	08/05/2013 13:54	F	WTLAP-13-36922	2160	na	6.3
E056	08/05/2013 13:55	UF	WTLAP-13-36918	2160	na	6
E056	09/12/2013 16:25	UF	WTLAP-13-36907	1800	na	6.8
E056	09/12/2013 16:27	UF	WTLAP-13-36903	1630	na	6.3
E056	09/12/2013 16:30	UF	WTLAP-13-36911	1380	na	5.5
E056	09/12/2013 16:33	F	WTLAP-13-36899	1140	na	5.6
E056	09/12/2013 16:33	UF	WTLAP-13-36898	1140	na	5.6
E056	09/12/2013 16:35	UF	WTLAP-13-36915	970	na	5.7
E056	09/12/2013 16:37	F	WTLAP-13-36927	970	na	6.2
E056	09/12/2013 16:38	F	WTLAP-13-36923	970	na	6.5
E056	09/12/2013 16:40	UF	WTLAP-13-36919	970	na	7.1
E109.9	07/08/2013 16:15	UF	WTLAP-13-38793	267000	-254000	93
E109.9	07/08/2013 16:20	UF	WTLAP-13-38794	439000	7330	99
E109.9	07/08/2013 16:22	UF	WTLAP-13-38799	404000	112000	98
E109.9	07/08/2013 16:23	UF	WTLAP-13-38795	386000	164000	97
E109.9	07/08/2013 16:25	UF	WTLAP-13-38796	384000	269000	96
E109.9	07/08/2013 16:25	UF	WTLAP-13-38800	384000	269000	96
E109.9	07/08/2013 16:28	UF	WTLAP-13-38797	381000	262000	97
E109.9	07/08/2013 16:30	UF	WTLAP-13-38802	379000	257000	97
E109.9	07/08/2013 16:31	UF	WTLAP-13-38803	378000	236000	94
E109.9	07/08/2013 16:34	F	WTLAP-13-38805	375000	225000	85
E109.9	07/08/2013 16:34	UF	WTLAP-13-38804	375000	225000	85
E109.9	07/08/2013 16:54	UF	WTLAP-13-38806	355000	150000	52
E109.9	07/08/2013 17:05	UF	WTLAP-13-38798	329000	109000	52
E109.9	07/08/2013 17:14	UF	WTLAP-13-38807	318000	75900	49
E109.9	07/08/2013 17:34	UF	WTLAP-13-38808	294000	69800	38
E109.9	07/08/2013 17:54	UF	WTLAP-13-38809	294000	63600	24

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E109.9	07/12/2013 13:19	UF	WTLAP-13-39014	377000	188000	110
E109.9	07/12/2013 13:30	UF	WTLAP-13-39008	319000	160000	150
E109.9	07/12/2013 13:32	UF	WTLAP-13-39009	309000	155000	150
E109.9	07/12/2013 13:34	UF	WTLAP-13-39010	298000	150000	150
E109.9	07/12/2013 13:36	UF	WTLAP-13-39011	288000	133000	150
E109.9	07/12/2013 13:38	UF	WTLAP-13-39012	277000	133000	150
E109.9	07/20/2013 19:55	UF	WTLAP-13-39326	829000	402000	380
E109.9	07/20/2013 19:57	UF	WTLAP-13-39327	829000	395000	230
E109.9	07/20/2013 19:59	UF	WTLAP-13-39328	821000	388000	76
E109.9	07/20/2013 20:01	UF	WTLAP-13-39329	814000	381000	340
E109.9	07/20/2013 20:05	UF	WTLAP-13-39330	799000	436000	330
E109.9	07/20/2013 20:07	UF	WTLAP-13-39331	792000	464000	320
E109.9	07/20/2013 20:09	UF	WTLAP-13-39333	784000	464000	320
E109.9	07/20/2013 20:45	UF	WTLAP-13-39334	650000	464000	190
E109.9	07/20/2013 20:45	UF	WTLAP-13-39335	650000	464000	190
E109.9	07/25/2013 22:54	UF	WTLAP-13-39381	387000	310000	70
E109.9	07/25/2013 22:57	UF	WTLAP-13-39382	304000	259000	53
E109.9	07/25/2013 22:59	UF	WTLAP-13-39383	250000	225000	18
E109.9	07/25/2013 23:00	UF	WTLAP-13-39384	220000	208000	97
E109.9	07/25/2013 23:02	UF	WTLAP-13-39385	178000	175000	95
E109.9	07/25/2013 23:04	UF	WTLAP-13-39386	162000	141000	93
E109.9	07/25/2013 23:05	UF	WTLAP-13-39377	160000	124000	92
E109.9	07/25/2013 23:06	UF	WTLAP-13-39387	158000	107000	88
E109.9	07/25/2013 23:07	UF	WTLAP-13-39378	157000	90100	85
E109.9	07/25/2013 23:08	UF	WTLAP-13-39388	155000	95700	82
E109.9	07/25/2013 23:09	F	WTLAP-13-39379	153000	101000	79
E109.9	07/25/2013 23:10	UF	WTLAP-13-39389	151000	107000	76
E109.9	07/25/2013 23:11	F	WTLAP-13-39380	149000	104000	71
E109.9	07/25/2013 23:15	UF	WTLAP-13-39390	142000	93200	54
E109.9	07/25/2013 23:20	UF	WTLAP-13-39391	133000	93200	50
E109.9	07/25/2013 23:24	UF	WTLAP-13-39392	126000	93200	44
E109.9	07/25/2013 23:44	UF	WTLAP-13-39393	89200	93200	19
E109.9	07/26/2013 00:04	UF	WTLAP-13-39394	77200	na	25
E109.9	07/26/2013 00:24	UF	WTLAP-13-39395	76200	na	24
E109.9	07/26/2013 00:44	UF	WTLAP-13-39396	68100	na	22
E109.9	07/26/2013 01:04	UF	WTLAP-13-39397	55200	na	23

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E109.9	07/26/2013 02:04	UF	WTLAP-13-39398	33200	na	12
E109.9	07/26/2013 17:14	UF	WTLAP-13-39404	67800	na	99
E109.9	07/26/2013 17:16	UF	WTLAP-13-39405	88100	na	130
E109.9	07/26/2013 17:18	UF	WTLAP-13-39406	86000	na	140
E109.9	07/26/2013 17:20	UF	WTLAP-13-39411	83800	na	160
E109.9	07/26/2013 17:24	UF	WTLAP-13-39412	79600	na	160
E109.9	07/26/2013 17:26	UF	WTLAP-13-39413	77500	na	160
E109.9	07/26/2013 17:28	UF	WTLAP-13-39414	75300	na	160
E109.9	07/26/2013 17:30	F	WTLAP-13-39415	73200	na	160
E109.9	07/26/2013 17:32	UF	WTLAP-13-39416	71100	na	160
E109.9	07/26/2013 17:34	UF	WTLAP-13-39417	69000	na	160
E109.9	07/26/2013 17:36	F	WTLAP-13-39418	66800	na	140
E109.9	07/26/2013 17:38	F	WTLAP-13-39419	64700	na	120
E109.9	07/26/2013 17:40	UF	WTLAP-13-39420	62600	na	92
E109.9	07/26/2013 17:42	UF	WTLAP-13-39421	62900	na	100
E109.9	07/26/2013 17:44	UF	WTLAP-13-39422	57800	na	110
E109.9	08/03/2013 15:24	UF	WTLAP-13-39447	522000	na	600
E109.9	08/03/2013 15:26	F	WTLAP-13-39448	541000	na	790
E109.9	08/03/2013 15:32	UF	WTLAP-13-39449	599000	na	910
E109.9	08/03/2013 15:34	F	WTLAP-13-39450	586000	na	860
E109.9	08/03/2013 15:36	F	WTLAP-13-39451	572000	na	820
E109.9	08/03/2013 15:38	UF	WTLAP-13-39452	559000	na	770
E109.9	08/03/2013 15:40	F	WTLAP-13-39453	546000	na	730
E109.9	08/03/2013 15:40	UF	WTLAP-13-39441	546000	na	730
E109.9	08/03/2013 15:42	F	WTLAP-13-39454	533000	na	690
E109.9	08/03/2013 15:42	UF	WTLAP-13-39442	533000	na	690
E109.9	08/03/2013 15:44	UF	WTLAP-13-39455	520000	na	650
E109.9	08/03/2013 15:45	UF	WTLAP-13-39443	514000	na	630
E109.9	08/03/2013 15:48	F	WTLAP-13-39456	494000	na	550
E109.9	08/03/2013 15:50	UF	WTLAP-13-39444	481000	na	490
E109.9	08/03/2013 15:52	UF	WTLAP-13-39445	468000	na	480
E109.9	08/03/2013 15:52	UF	WTLAP-13-39457	468000	na	480
E109.9	08/03/2013 15:54	UF	WTLAP-13-39458	455000	na	480
E109.9	08/03/2013 16:14	UF	WTLAP-13-39459	397000	na	290
E109.9	08/03/2013 16:30	UF	WTLAP-13-39446	351000	na	240
E109.9	08/03/2013 16:34	UF	WTLAP-13-39460	339000	na	230

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E109.9	08/03/2013 16:54	UF	WTLAP-13-39461	306000	na	150
E109.9	08/03/2013 17:14	UF	WTLAP-13-39462	273000	na	120
E109.9	08/03/2013 17:34	F	WTLAP-13-39463	240000	na	120
E109.9	08/03/2013 17:54	UF	WTLAP-13-39464	207000	na	87
E109.9	08/03/2013 18:34	UF	WTLAP-13-39465	141000	na	47
E109.9	08/05/2013 18:14	UF	WTLAP-13-40571	181000	na	430
E109.9	08/05/2013 18:16	UF	WTLAP-13-40566	184000	na	580
E109.9	08/05/2013 18:18	UF	WTLAP-13-40567	155000	na	640
E109.9	08/05/2013 18:20	UF	WTLAP-13-40568	152000	na	710
E109.9	08/05/2013 18:24	UF	WTLAP-13-40570	130000	na	820
E109.9	08/05/2013 18:25	UF	WTLAP-13-40569	137000	na	850
E109.9	08/05/2013 18:35	UF	WTLAP-13-40565	108000	na	740
E109.9	08/09/2013 15:34	UF	WTLAP-13-41689	327000	na	270
E109.9	08/09/2013 15:37	UF	WTLAP-13-41690	292000	na	270
E109.9	08/09/2013 15:40	UF	WTLAP-13-41681	290000	na	270
E109.9	08/09/2013 15:40	UF	WTLAP-13-41681	334000	na	270
E109.9	08/09/2013 15:40	UF	WTLAP-13-41691	290000	na	270
E109.9	08/09/2013 15:40	UF	WTLAP-13-41691	334000	na	270
E109.9	08/09/2013 15:42	F	WTLAP-13-41692	324000	na	270
E109.9	08/09/2013 15:42	UF	WTLAP-13-41682	324000	na	270
E109.9	08/09/2013 15:43	F	WTLAP-13-41693	318000	na	270
E109.9	08/09/2013 15:44	UF	WTLAP-13-41683	313000	na	270
E109.9	08/09/2013 15:46	F	WTLAP-13-41694	303000	na	260
E109.9	08/09/2013 15:48	UF	WTLAP-13-41684	293000	na	230
E109.9	08/09/2013 15:49	UF	WTLAP-13-41695	287000	na	220
E109.9	08/09/2013 15:50	UF	WTLAP-13-41685	282000	na	210
E109.9	08/09/2013 15:52	F	WTLAP-13-41686	272000	na	200
E109.9	08/09/2013 15:52	F	WTLAP-13-41696	272000	na	200
E109.9	08/09/2013 15:54	UF	WTLAP-13-41687	261000	na	190
E109.9	08/09/2013 15:56	UF	WTLAP-13-41697	251000	na	150
E109.9	08/09/2013 15:58	UF	WTLAP-13-41698	256000	na	76
E109.9	08/09/2013 16:00	UF	WTLAP-13-41699	252000	na	180
E109.9	08/09/2013 16:02	UF	WTLAP-13-41700	249000	na	170
E109.9	08/09/2013 16:04	UF	WTLAP-13-41701	246000	na	170
E109.9	08/09/2013 16:24	UF	WTLAP-13-41702	203000	na	130
E109.9	08/09/2013 16:30	UF	WTLAP-13-41688	202000	na	110
E109.9	08/09/2013 16:44	UF	WTLAP-13-41703	177000	na	110

Table 4.3-1 (continued)

Station	Sample Collection Date and Time	Field Prep	Sample ID	Calculated SSC (mg/L)	Calculated TSS (mg/L)	Calculated Instantaneous Discharge (cfs)
E109.9	08/09/2013 17:44	UF	WTLAP-13-41704	118000	na	55
E109.9	08/09/2013 18:04	UF	WTLAP-13-41705	93100	na	40
E109.9	08/09/2013 18:24	UF	WTLAP-13-41706	84600	na	31
E109.9	09/12/2013 15:39	UF	WTLAP-13-42187	750000	na	29
E109.9	09/12/2013 15:42	UF	WTLAP-13-42188	468000	na	39
E109.9	09/12/2013 15:44	UF	WTLAP-13-42189	351000	na	50
E109.9	09/12/2013 15:45	UF	WTLAP-13-42176	322000	na	55
E109.9	09/12/2013 15:46	UF	WTLAP-13-42190	293000	na	60
E109.9	09/12/2013 15:47	UF	WTLAP-13-42177	264000	na	65
E109.9	09/12/2013 15:48	UF	WTLAP-13-42191	236000	na	69
E109.9	09/12/2013 15:49	UF	WTLAP-13-42178	207000	na	74
E109.9	09/12/2013 15:53	UF	WTLAP-13-42179	91600	na	84
E109.9	09/12/2013 15:53	UF	WTLAP-13-42192	91600	na	84
E109.9	09/12/2013 15:55	UF	WTLAP-13-42180	77800	na	87
E109.9	09/12/2013 15:55	UF	WTLAP-13-42193	77800	na	87
E109.9	09/12/2013 15:57	F	WTLAP-13-42194	64000	na	52
E109.9	09/12/2013 15:58	UF	WTLAP-13-42181	57100	na	35
E109.9	09/12/2013 15:58	UF	WTLAP-13-42182	57100	na	35
E109.9	09/12/2013 15:59	F	WTLAP-13-42195	50200	na	17
E109.9	09/12/2013 16:01	F	WTLAP-13-42196	36400	na	180
E109.9	09/12/2013 16:03	UF	WTLAP-13-42197	22600	na	210
E109.9	09/12/2013 16:05	UF	WTLAP-13-42198	8760	na	250
E109.9	09/12/2013 16:05	UF	WTLAP-13-42199	8760	na	250
E109.9	09/12/2013 16:09	UF	WTLAP-13-42200	9970	na	250
E109.9	09/12/2013 16:35	UF	WTLAP-13-42183	17800	na	190
E109.9	09/12/2013 16:35	UF	WTLAP-13-42184	17800	na	190
E109.9	09/12/2013 16:49	UF	WTLAP-13-42201	22000	na	190
E109.9	09/12/2013 17:09	UF	WTLAP-13-42202	29100	na	480
E109.9	09/12/2013 17:20	UF	WTLAP-13-42185	44600	na	520
E109.9	09/12/2013 17:20	UF	WTLAP-13-42186	44600	na	520
E109.9	09/12/2013 17:29	UF	WTLAP-13-42203	57300	na	420
E109.9	09/12/2013 17:49	UF	WTLAP-13-42204	86600	na	220
E109.9	09/12/2013 18:09	UF	WTLAP-13-42205	157000	na	270
E109.9	09/12/2013 18:29	UF	WTLAP-13-42206	375000	na	210
E109.9	09/12/2013 18:49	UF	WTLAP-13-42207	749000	na	160

^a UF = Unfiltered.^b na = Not available.^c F = Filtered.^d Filtered pore size of 0.2 µm, 1 µm, 5 µm, and 10 µm used for additional analysis.

Table 4.4-1
Analytical Results Obtained below the SWMU 01-001(f) Drainage

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO101038	Acidity or Alkalinity of a solution	WTLAP-13-39034	UF ^a	7/12/13 11:41	8.4	SU
CO101038	Acidity or Alkalinity of a solution	WTLAP-13-32556	UF	9/18/13 13:41	8.26	SU
CO101038	Alkalinity-CO3	WTLAP-13-39034	UF	7/12/13 11:41	2.08	mg/L
CO101038	Alkalinity-CO3	WTLAP-13-32556	UF	9/18/13 13:41	< 1 ^b	mg/L
CO101038	Alkalinity-CO3+HCO3	WTLAP-13-39034	UF	7/12/13 11:41	57.7	mg/L
CO101038	Alkalinity-CO3+HCO3	WTLAP-13-32556	UF	9/18/13 13:41	104	mg/L
CO101038	Alkalinity-HCO3	WTLAP-13-39034	UF	7/12/13 11:41	55.6	mg/L
CO101038	Alkalinity-HCO3	WTLAP-13-32556	UF	9/18/13 13:41	104	mg/L
CO101038	Aluminum	WTLAP-13-39029	F ^c	7/12/13 11:36	350	µg/L
CO101038	Aluminum	WTLAP-13-39030	UF	7/12/13 11:37	46200	µg/L
CO101038	Aluminum	WTLAP-13-30623	F	9/18/13 13:33	440	µg/L
CO101038	Aluminum	WTLAP-13-30631	UF	9/18/13 13:34	1610	µg/L
CO101038	Antimony	WTLAP-13-39029	F	7/12/13 11:36	< 3	µg/L
CO101038	Antimony	WTLAP-13-39030	UF	7/12/13 11:37	< 3	µg/L
CO101038	Antimony	WTLAP-13-30623	F	9/18/13 13:33	< 3	µg/L
CO101038	Antimony	WTLAP-13-30631	UF	9/18/13 13:34	< 3	µg/L
CO101038	Arsenic	WTLAP-13-39029	F	7/12/13 11:36	2.2	µg/L
CO101038	Arsenic	WTLAP-13-39030	UF	7/12/13 11:37	13.2	µg/L
CO101038	Arsenic	WTLAP-13-30623	F	9/18/13 13:33	< 5	µg/L
CO101038	Arsenic	WTLAP-13-30631	UF	9/18/13 13:34	< 5	µg/L
CO101038	Barium	WTLAP-13-39029	F	7/12/13 11:36	24.7	µg/L
CO101038	Barium	WTLAP-13-39030	UF	7/12/13 11:37	628	µg/L
CO101038	Barium	WTLAP-13-30623	F	9/18/13 13:33	49.2	µg/L
CO101038	Barium	WTLAP-13-30631	UF	9/18/13 13:34	65.3	µg/L
CO101038	Beryllium	WTLAP-13-39029	F	7/12/13 11:36	< 0.5	µg/L
CO101038	Beryllium	WTLAP-13-39030	UF	7/12/13 11:37	3.76	µg/L
CO101038	Beryllium	WTLAP-13-30623	F	9/18/13 13:33	< 0.5	µg/L
CO101038	Beryllium	WTLAP-13-30631	UF	9/18/13 13:34	< 0.5	µg/L
CO101038	Boron	WTLAP-13-39029	F	7/12/13 11:36	< 50	µg/L
CO101038	Boron	WTLAP-13-39030	UF	7/12/13 11:37	28.8	µg/L
CO101038	Boron	WTLAP-13-30623	F	9/18/13 13:33	22.6	µg/L
CO101038	Boron	WTLAP-13-30631	UF	9/18/13 13:34	24.8	µg/L
CO101038	Cadmium	WTLAP-13-39029	F	7/12/13 11:36	< 1	µg/L
CO101038	Cadmium	WTLAP-13-39030	UF	7/12/13 11:37	1.31	µg/L
CO101038	Cadmium	WTLAP-13-30623	F	9/18/13 13:33	< 1	µg/L
CO101038	Cadmium	WTLAP-13-30631	UF	9/18/13 13:34	< 1	µg/L
CO101038	Calcium	WTLAP-13-39029	F	7/12/13 11:36	10.2	mg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO101038	Calcium	WTLAP-13-39030	UF	7/12/13 11:37	88.3	mg/L
CO101038	Calcium	WTLAP-13-30623	F	9/18/13 13:33	25.5	mg/L
CO101038	Calcium	WTLAP-13-30631	UF	9/18/13 13:34	26.8	mg/L
CO101038	Chloride	WTLAP-13-39033	F	7/12/13 11:40	10.6	mg/L
CO101038	Chloride	WTLAP-13-32560	F	9/18/13 13:40	39.8	mg/L
CO101038	Chromium	WTLAP-13-39029	F	7/12/13 11:36	< 10	µg/L
CO101038	Chromium	WTLAP-13-39030	UF	7/12/13 11:37	54	µg/L
CO101038	Chromium	WTLAP-13-30623	F	9/18/13 13:33	< 10	µg/L
CO101038	Chromium	WTLAP-13-30631	UF	9/18/13 13:34	< 10	µg/L
CO101038	Clay	WTLAP-13-39027	UF	7/12/13 11:33	26.9	%
CO101038	Clay	WTLAP-13-30647	UF	9/18/13 13:30	9.2	%
CO101038	Cobalt	WTLAP-13-39029	F	7/12/13 11:36	< 3.33	µg/L
CO101038	Cobalt	WTLAP-13-39030	UF	7/12/13 11:37	28.5	µg/L
CO101038	Cobalt	WTLAP-13-30623	F	9/18/13 13:33	< 5	µg/L
CO101038	Cobalt	WTLAP-13-30631	UF	9/18/13 13:34	< 5	µg/L
CO101038	Copper	WTLAP-13-39029	F	7/12/13 11:36	2.43	µg/L
CO101038	Copper	WTLAP-13-39030	UF	7/12/13 11:37	124	µg/L
CO101038	Copper	WTLAP-13-30623	F	9/18/13 13:33	2.43	µg/L
CO101038	Copper	WTLAP-13-30631	UF	9/18/13 13:34	3.73	µg/L
CO101038	Dissolved Organic Carbon	WTLAP-13-39035	F	7/12/13 11:42	31.1	mg/L
CO101038	Dissolved Organic Carbon	WTLAP-13-32564	F	9/18/13 13:39	9.14	mg/L
CO101038	Hardness	WTLAP-13-39029	F	7/12/13 11:36	30.4	mg/L
CO101038	Hardness	WTLAP-13-39030	UF	7/12/13 11:37	316	mg/L
CO101038	Hardness	WTLAP-13-30623	F	9/18/13 13:33	79.3	mg/L
CO101038	Hardness	WTLAP-13-30631	UF	9/18/13 13:34	83.9	mg/L
CO101038	Iron	WTLAP-13-39029	F	7/12/13 11:36	191	µg/L
CO101038	Iron	WTLAP-13-39030	UF	7/12/13 11:37	50800	µg/L
CO101038	Iron	WTLAP-13-30623	F	9/18/13 13:33	280	µg/L
CO101038	Iron	WTLAP-13-30631	UF	9/18/13 13:34	1130	µg/L
CO101038	Lead	WTLAP-13-39029	F	7/12/13 11:36	< 2	µg/L
CO101038	Lead	WTLAP-13-39030	UF	7/12/13 11:37	99	µg/L
CO101038	Lead	WTLAP-13-30623	F	9/18/13 13:33	< 2	µg/L
CO101038	Lead	WTLAP-13-30631	UF	9/18/13 13:34	2.07	µg/L
CO101038	Magnesium	WTLAP-13-39029	F	7/12/13 11:36	1.21	mg/L
CO101038	Magnesium	WTLAP-13-39030	UF	7/12/13 11:37	23.3	mg/L
CO101038	Magnesium	WTLAP-13-30623	F	9/18/13 13:33	3.79	mg/L
CO101038	Magnesium	WTLAP-13-30631	UF	9/18/13 13:34	4.11	mg/L
CO101038	Manganese	WTLAP-13-39029	F	7/12/13 11:36	6.36	µg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO101038	Manganese	WTLAP-13-39030	UF	7/12/13 11:37	2500	µg/L
CO101038	Manganese	WTLAP-13-30623	F	9/18/13 13:33	4.03	µg/L
CO101038	Manganese	WTLAP-13-30631	UF	9/18/13 13:34	154	µg/L
CO101038	Mercury	WTLAP-13-39029	F	7/12/13 11:36	< 0.2	µg/L
CO101038	Mercury	WTLAP-13-39030	UF	7/12/13 11:37	< 0.2	µg/L
CO101038	Mercury	WTLAP-13-30623	F	9/18/13 13:33	< 0.2	µg/L
CO101038	Mercury	WTLAP-13-30631	UF	9/18/13 13:34	< 0.2	µg/L
CO101038	Nickel	WTLAP-13-39029	F	7/12/13 11:36	0.89	µg/L
CO101038	Nickel	WTLAP-13-39030	UF	7/12/13 11:37	53.7	µg/L
CO101038	Nickel	WTLAP-13-30623	F	9/18/13 13:33	1.25	µg/L
CO101038	Nickel	WTLAP-13-30631	UF	9/18/13 13:34	2.01	µg/L
CO101038	Potassium	WTLAP-13-39029	F	7/12/13 11:36	4.93	mg/L
CO101038	Potassium	WTLAP-13-39030	UF	7/12/13 11:37	15.6	mg/L
CO101038	Potassium	WTLAP-13-30623	F	9/18/13 13:33	4.77	mg/L
CO101038	Potassium	WTLAP-13-30631	UF	9/18/13 13:34	5.11	mg/L
CO101038	Sand	WTLAP-13-39027	UF	7/12/13 11:33	0.4	%
CO101038	Sand	WTLAP-13-30647	UF	9/18/13 13:30	25.7	%
CO101038	Selenium	WTLAP-13-39029	F	7/12/13 11:36	< 5	µg/L
CO101038	Selenium	WTLAP-13-39030	UF	7/12/13 11:37	< 5	µg/L
CO101038	Selenium	WTLAP-13-30623	F	9/18/13 13:33	< 5	µg/L
CO101038	Selenium	WTLAP-13-30631	UF	9/18/13 13:34	< 5	µg/L
CO101038	Silt	WTLAP-13-39027	UF	7/12/13 11:33	72.7	%
CO101038	Silt	WTLAP-13-30647	UF	9/18/13 13:30	65	%
CO101038	Silver	WTLAP-13-39029	F	7/12/13 11:36	< 1	µg/L
CO101038	Silver	WTLAP-13-39030	UF	7/12/13 11:37	0.31	µg/L
CO101038	Silver	WTLAP-13-30623	F	9/18/13 13:33	< 1	µg/L
CO101038	Silver	WTLAP-13-30631	UF	9/18/13 13:34	< 1	µg/L
CO101038	Sodium	WTLAP-13-39029	F	7/12/13 11:36	13.1	mg/L
CO101038	Sodium	WTLAP-13-39030	UF	7/12/13 11:37	16.2	mg/L
CO101038	Sodium	WTLAP-13-30623	F	9/18/13 13:33	40.7	mg/L
CO101038	Sodium	WTLAP-13-30631	UF	9/18/13 13:34	42	mg/L
CO101038	Sulfate	WTLAP-13-39033	F	7/12/13 11:40	7.35	mg/L
CO101038	Sulfate	WTLAP-13-32560	F	9/18/13 13:40	21.2	mg/L
CO101038	SSC	WTLAP-13-39027	UF	7/12/13 11:33	4110	mg/L
CO101038	SSC	WTLAP-13-39032	UF	7/12/13 11:39	2150	mg/L
CO101038	SSC	WTLAP-13-39036	UF	7/12/13 11:43	1690	mg/L
CO101038	SSC	WTLAP-13-30647	UF	9/18/13 13:30	350	mg/L
CO101038	Thallium	WTLAP-13-39029	F	7/12/13 11:36	< 2	µg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO101038	Thallium	WTLAP-13-39030	UF	7/12/13 11:37	0.65	µg/L
CO101038	Thallium	WTLAP-13-30623	F	9/18/13 13:33	< 2	µg/L
CO101038	Thallium	WTLAP-13-30631	UF	9/18/13 13:34	< 2	µg/L
CO101038	Total Organic Carbon	WTLAP-13-39037	UF	7/12/13 11:44	5.23	mg/L
CO101038	Total Organic Carbon	WTLAP-13-30663	UF	9/18/13 13:38	9.06	mg/L
CO101038	Uranium	WTLAP-13-39029	F	7/12/13 11:36	2.24	µg/L
CO101038	Uranium	WTLAP-13-39030	UF	7/12/13 11:37	8.81	µg/L
CO101038	Uranium	WTLAP-13-30623	F	9/18/13 13:33	9.8	µg/L
CO101038	Uranium	WTLAP-13-30631	UF	9/18/13 13:34	9.71	µg/L
CO101038	Uranium-234	WTLAP-13-39031	UF	7/12/13 11:38	5.12	pCi/L
CO101038	Uranium-234	WTLAP-13-30655	UF	9/18/13 13:35	3.11	pCi/L
CO101038	Uranium-235/236	WTLAP-13-39031	UF	7/12/13 11:38	< 0.253	pCi/L
CO101038	Uranium-235/236	WTLAP-13-30655	UF	9/18/13 13:35	0.165	pCi/L
CO101038	Uranium-238	WTLAP-13-39031	UF	7/12/13 11:38	5.2	pCi/L
CO101038	Uranium-238	WTLAP-13-30655	UF	9/18/13 13:35	2.98	pCi/L
CO101038	Vanadium	WTLAP-13-39029	F	7/12/13 11:36	7.16	µg/L
CO101038	Vanadium	WTLAP-13-39030	UF	7/12/13 11:37	78.7	µg/L
CO101038	Vanadium	WTLAP-13-30623	F	9/18/13 13:33	3.73	µg/L
CO101038	Vanadium	WTLAP-13-30631	UF	9/18/13 13:34	5.58	µg/L
CO101038	Zinc	WTLAP-13-39029	F	7/12/13 11:36	< 10	µg/L
CO101038	Zinc	WTLAP-13-39030	UF	7/12/13 11:37	293	µg/L
CO101038	Zinc	WTLAP-13-30623	F	9/18/13 13:33	4.58	µg/L
CO101038	Zinc	WTLAP-13-30631	UF	9/18/13 13:34	16.7	µg/L
CO111041	Acidity or Alkalinity of a solution	WTLAP-13-32567	UF	6/14/13 13:15	6.67	SU
CO111041	Acidity or Alkalinity of a solution	WTLAP-13-39023	UF	7/12/13 11:39	7.23	SU
CO111041	Alkalinity-CO3	WTLAP-13-32567	UF	6/14/13 13:15	< 1	mg/L
CO111041	Alkalinity-CO3	WTLAP-13-39023	UF	7/12/13 11:39	< 1	mg/L
CO111041	Alkalinity-CO3+HCO3	WTLAP-13-32567	UF	6/14/13 13:15	29.9	mg/L
CO111041	Alkalinity-CO3+HCO3	WTLAP-13-39023	UF	7/12/13 11:39	26	mg/L
CO111041	Alkalinity-HCO3	WTLAP-13-32567	UF	6/14/13 13:15	29.9	mg/L
CO111041	Alkalinity-HCO3	WTLAP-13-39023	UF	7/12/13 11:39	26	mg/L
CO111041	Aluminum	WTLAP-13-30622	F	6/14/13 12:43	152	µg/L
CO111041	Aluminum	WTLAP-13-30630	UF	6/14/13 12:43	18200	µg/L
CO111041	Aluminum	WTLAP-13-30624	F	6/30/13 3:01	34.9	µg/L
CO111041	Aluminum	WTLAP-13-30632	UF	6/30/13 3:01	9960	µg/L
CO111041	Aluminum	WTLAP-13-30626	F	7/5/13 0:16	92.4	µg/L
CO111041	Aluminum	WTLAP-13-30634	UF	7/5/13 0:16	10700	µg/L
CO111041	Aluminum	WTLAP-13-39020	F	7/12/13 11:24	92.4	µg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO111041	Aluminum	WTLAP-13-39019	UF	7/12/13 11:24	18400	µg/L
CO111041	Aluminum	WTLAP-13-39429	F	7/28/13 5:18	753	µg/L
CO111041	Aluminum	WTLAP-13-39428	UF	7/28/13 5:18	6260	µg/L
CO111041	Antimony	WTLAP-13-30622	F	6/14/13 12:43	2.5	µg/L
CO111041	Antimony	WTLAP-13-30630	UF	6/14/13 12:43	4.64	µg/L
CO111041	Antimony	WTLAP-13-30624	F	6/30/13 3:01	1.34	µg/L
CO111041	Antimony	WTLAP-13-30632	UF	6/30/13 3:01	2.34	µg/L
CO111041	Antimony	WTLAP-13-30626	F	7/5/13 0:16	4.06	µg/L
CO111041	Antimony	WTLAP-13-30634	UF	7/5/13 0:16	5	µg/L
CO111041	Antimony	WTLAP-13-39020	F	7/12/13 11:24	4.17	µg/L
CO111041	Antimony	WTLAP-13-39019	UF	7/12/13 11:24	4.17	µg/L
CO111041	Antimony	WTLAP-13-39429	F	7/28/13 5:18	4.45	µg/L
CO111041	Antimony	WTLAP-13-39428	UF	7/28/13 5:18	4.35	µg/L
CO111041	Arsenic	WTLAP-13-30622	F	6/14/13 12:43	2.12	µg/L
CO111041	Arsenic	WTLAP-13-30630	UF	6/14/13 12:43	6.23	µg/L
CO111041	Arsenic	WTLAP-13-30624	F	6/30/13 3:01	< 5	µg/L
CO111041	Arsenic	WTLAP-13-30632	UF	6/30/13 3:01	3.62	µg/L
CO111041	Arsenic	WTLAP-13-30626	F	7/5/13 0:16	< 5	µg/L
CO111041	Arsenic	WTLAP-13-30634	UF	7/5/13 0:16	3.61	µg/L
CO111041	Arsenic	WTLAP-13-39020	F	7/12/13 11:24	< 5	µg/L
CO111041	Arsenic	WTLAP-13-39019	UF	7/12/13 11:24	6.36	µg/L
CO111041	Arsenic	WTLAP-13-39429	F	7/28/13 5:18	< 5	µg/L
CO111041	Arsenic	WTLAP-13-39428	UF	7/28/13 5:18	2.57	µg/L
CO111041	Barium	WTLAP-13-30622	F	6/14/13 12:43	47.2	µg/L
CO111041	Barium	WTLAP-13-30630	UF	6/14/13 12:43	293	µg/L
CO111041	Barium	WTLAP-13-30624	F	6/30/13 3:01	31.8	µg/L
CO111041	Barium	WTLAP-13-30632	UF	6/30/13 3:01	202	µg/L
CO111041	Barium	WTLAP-13-30626	F	7/5/13 0:16	25.1	µg/L
CO111041	Barium	WTLAP-13-30634	UF	7/5/13 0:16	152	µg/L
CO111041	Barium	WTLAP-13-39020	F	7/12/13 11:24	20.1	µg/L
CO111041	Barium	WTLAP-13-39019	UF	7/12/13 11:24	313	µg/L
CO111041	Barium	WTLAP-13-39429	F	7/28/13 5:18	25.5	µg/L
CO111041	Barium	WTLAP-13-39428	UF	7/28/13 5:18	81.8	µg/L
CO111041	Beryllium	WTLAP-13-30622	F	6/14/13 12:43	< 0.5	µg/L
CO111041	Beryllium	WTLAP-13-30630	UF	6/14/13 12:43	1.57	µg/L
CO111041	Beryllium	WTLAP-13-30624	F	6/30/13 3:01	< 0.5	µg/L
CO111041	Beryllium	WTLAP-13-30632	UF	6/30/13 3:01	0.937	µg/L
CO111041	Beryllium	WTLAP-13-30626	F	7/5/13 0:16	< 0.5	µg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO111041	Beryllium	WTLAP-13-30634	UF	7/5/13 0:16	0.837	µg/L
CO111041	Beryllium	WTLAP-13-39020	F	7/12/13 11:24	< 0.5	µg/L
CO111041	Beryllium	WTLAP-13-39019	UF	7/12/13 11:24	2.88	µg/L
CO111041	Beryllium	WTLAP-13-39429	F	7/28/13 5:18	< 0.5	µg/L
CO111041	Beryllium	WTLAP-13-39428	UF	7/28/13 5:18	0.431	µg/L
CO111041	Boron	WTLAP-13-30622	F	6/14/13 12:43	16.7	µg/L
CO111041	Boron	WTLAP-13-30630	UF	6/14/13 12:43	27.2	µg/L
CO111041	Boron	WTLAP-13-30624	F	6/30/13 3:01	19.4	µg/L
CO111041	Boron	WTLAP-13-30632	UF	6/30/13 3:01	25	µg/L
CO111041	Boron	WTLAP-13-30626	F	7/5/13 0:16	17.4	µg/L
CO111041	Boron	WTLAP-13-30634	UF	7/5/13 0:16	22.3	µg/L
CO111041	Boron	WTLAP-13-39020	F	7/12/13 11:24	< 50	µg/L
CO111041	Boron	WTLAP-13-39019	UF	7/12/13 11:24	16.2	µg/L
CO111041	Boron	WTLAP-13-39429	F	7/28/13 5:18	< 50	µg/L
CO111041	Boron	WTLAP-13-39428	UF	7/28/13 5:18	< 50	µg/L
CO111041	Cadmium	WTLAP-13-30622	F	6/14/13 12:43	< 1	µg/L
CO111041	Cadmium	WTLAP-13-30630	UF	6/14/13 12:43	1.12	µg/L
CO111041	Cadmium	WTLAP-13-30624	F	6/30/13 3:01	< 1	µg/L
CO111041	Cadmium	WTLAP-13-30632	UF	6/30/13 3:01	0.711	µg/L
CO111041	Cadmium	WTLAP-13-30626	F	7/5/13 0:16	< 1	µg/L
CO111041	Cadmium	WTLAP-13-30634	UF	7/5/13 0:16	0.578	µg/L
CO111041	Cadmium	WTLAP-13-39020	F	7/12/13 11:24	< 1	µg/L
CO111041	Cadmium	WTLAP-13-39019	UF	7/12/13 11:24	1.6	µg/L
CO111041	Cadmium	WTLAP-13-39429	F	7/28/13 5:18	< 1	µg/L
CO111041	Cadmium	WTLAP-13-39428	UF	7/28/13 5:18	0.205	µg/L
CO111041	Calcium	WTLAP-13-30622	F	6/14/13 12:43	17.6	mg/L
CO111041	Calcium	WTLAP-13-30630	UF	6/14/13 12:43	25.8	mg/L
CO111041	Calcium	WTLAP-13-30624	F	6/30/13 3:01	12.4	mg/L
CO111041	Calcium	WTLAP-13-30632	UF	6/30/13 3:01	19.3	mg/L
CO111041	Calcium	WTLAP-13-30626	F	7/5/13 0:16	9.13	mg/L
CO111041	Calcium	WTLAP-13-30634	UF	7/5/13 0:16	14.5	mg/L
CO111041	Calcium	WTLAP-13-39020	F	7/12/13 11:24	7.04	mg/L
CO111041	Calcium	WTLAP-13-39019	UF	7/12/13 11:24	24.1	mg/L
CO111041	Calcium	WTLAP-13-39429	F	7/28/13 5:18	8.25	mg/L
CO111041	Calcium	WTLAP-13-39428	UF	7/28/13 5:18	10.3	mg/L
CO111041	Chloride	WTLAP-13-32571	F	6/14/13 13:14	5.82	mg/L
CO111041	Chloride	WTLAP-13-39024	F	7/13/13 13:32	9.57	mg/L
CO111041	Chromium	WTLAP-13-30622	F	6/14/13 12:43	2.03	µg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO111041	Chromium	WTLAP-13-30630	UF	6/14/13 12:43	25.8	µg/L
CO111041	Chromium	WTLAP-13-30624	F	6/30/13 3:01	< 10	µg/L
CO111041	Chromium	WTLAP-13-30632	UF	6/30/13 3:01	12.8	µg/L
CO111041	Chromium	WTLAP-13-30626	F	7/5/13 0:16	< 10	µg/L
CO111041	Chromium	WTLAP-13-30634	UF	7/5/13 0:16	12.7	µg/L
CO111041	Chromium	WTLAP-13-39020	F	7/12/13 11:24	< 10	µg/L
CO111041	Chromium	WTLAP-13-39019	UF	7/12/13 11:24	22.6	µg/L
CO111041	Chromium	WTLAP-13-39429	F	7/28/13 5:18	2.12	µg/L
CO111041	Chromium	WTLAP-13-39428	UF	7/28/13 5:18	6.92	µg/L
CO111041	Clay	WTLAP-13-30646	UF	6/14/13 12:40	5.85	%
CO111041	Clay	WTLAP-13-30648	UF	6/30/13 3:00	4.8	%
CO111041	Clay	WTLAP-13-30650	UF	7/5/13 0:16	6	%
CO111041	Clay	WTLAP-13-39015	UF	7/12/13 11:21	5.2	%
CO111041	Clay	WTLAP-13-39428	UF	7/28/13 5:18	14.1	%
CO111041	Cobalt	WTLAP-13-30622	F	6/14/13 12:43	3.56	µg/L
CO111041	Cobalt	WTLAP-13-30630	UF	6/14/13 12:43	8.12	µg/L
CO111041	Cobalt	WTLAP-13-30624	F	6/30/13 3:01	< 3.49	µg/L
CO111041	Cobalt	WTLAP-13-30632	UF	6/30/13 3:01	6.02	µg/L
CO111041	Cobalt	WTLAP-13-30626	F	7/5/13 0:16	< 3.85	µg/L
CO111041	Cobalt	WTLAP-13-30634	UF	7/5/13 0:16	< 4.75	µg/L
CO111041	Cobalt	WTLAP-13-39020	F	7/12/13 11:24	< 4.38	µg/L
CO111041	Cobalt	WTLAP-13-39019	UF	7/12/13 11:24	10.2	µg/L
CO111041	Cobalt	WTLAP-13-39429	F	7/28/13 5:18	3.08	µg/L
CO111041	Cobalt	WTLAP-13-39428	UF	7/28/13 5:18	1.75	µg/L
CO111041	Copper	WTLAP-13-30622	F	6/14/13 12:43	7.63	µg/L
CO111041	Copper	WTLAP-13-30630	UF	6/14/13 12:43	60.1	µg/L
CO111041	Copper	WTLAP-13-30624	F	6/30/13 3:01	3.61	µg/L
CO111041	Copper	WTLAP-13-30632	UF	6/30/13 3:01	38.4	µg/L
CO111041	Copper	WTLAP-13-30626	F	7/5/13 0:16	5.04	µg/L
CO111041	Copper	WTLAP-13-30634	UF	7/5/13 0:16	34	µg/L
CO111041	Copper	WTLAP-13-39020	F	7/12/13 11:24	3.37	µg/L
CO111041	Copper	WTLAP-13-39019	UF	7/12/13 11:24	64.8	µg/L
CO111041	Copper	WTLAP-13-39429	F	7/28/13 5:18	5.39	µg/L
CO111041	Copper	WTLAP-13-39428	UF	7/28/13 5:18	15.9	µg/L
CO111041	Dissolved Organic Carbon	WTLAP-13-32575	F	6/14/13 12:53	175	mg/L
CO111041	Dissolved Organic Carbon	WTLAP-13-39016	F	7/12/13 11:22	4.19	mg/L
CO111041	Hardness	WTLAP-13-30622	F	6/14/13 12:43	51.2	mg/L
CO111041	Hardness	WTLAP-13-30630	UF	6/14/13 12:43	91.8	mg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO111041	Hardness	WTLAP-13-30624	F	6/30/13 3:01	35.6	mg/L
CO111041	Hardness	WTLAP-13-30632	UF	6/30/13 3:01	67.5	mg/L
CO111041	Hardness	WTLAP-13-30626	F	7/5/13 0:16	26.9	mg/L
CO111041	Hardness	WTLAP-13-30634	UF	7/5/13 0:16	50.9	mg/L
CO111041	Hardness	WTLAP-13-39020	F	7/12/13 11:24	21	mg/L
CO111041	Hardness	WTLAP-13-39019	UF	7/12/13 11:24	81.8	mg/L
CO111041	Hardness	WTLAP-13-39429	F	7/28/13 5:18	24.6	mg/L
CO111041	Hardness	WTLAP-13-39428	UF	7/28/13 5:18	34.6	mg/L
CO111041	Iron	WTLAP-13-30622	F	6/14/13 12:43	462	µg/L
CO111041	Iron	WTLAP-13-30630	UF	6/14/13 12:43	15700	µg/L
CO111041	Iron	WTLAP-13-30624	F	6/30/13 3:01	99.2	µg/L
CO111041	Iron	WTLAP-13-30632	UF	6/30/13 3:01	10600	µg/L
CO111041	Iron	WTLAP-13-30626	F	7/5/13 0:16	101	µg/L
CO111041	Iron	WTLAP-13-30634	UF	7/5/13 0:16	8000	µg/L
CO111041	Iron	WTLAP-13-39020	F	7/12/13 11:24	95.3	µg/L
CO111041	Iron	WTLAP-13-39019	UF	7/12/13 11:24	12400	µg/L
CO111041	Iron	WTLAP-13-39429	F	7/28/13 5:18	375	µg/L
CO111041	Iron	WTLAP-13-39428	UF	7/28/13 5:18	5140	µg/L
CO111041	Lead	WTLAP-13-30622	F	6/14/13 12:43	0.934	µg/L
CO111041	Lead	WTLAP-13-30630	UF	6/14/13 12:43	67.5	µg/L
CO111041	Lead	WTLAP-13-30624	F	6/30/13 3:01	< 2	µg/L
CO111041	Lead	WTLAP-13-30632	UF	6/30/13 3:01	42.5	µg/L
CO111041	Lead	WTLAP-13-30626	F	7/5/13 0:16	< 2	µg/L
CO111041	Lead	WTLAP-13-30634	UF	7/5/13 0:16	36.5	µg/L
CO111041	Lead	WTLAP-13-39020	F	7/12/13 11:24	< 2	µg/L
CO111041	Lead	WTLAP-13-39019	UF	7/12/13 11:24	96.7	µg/L
CO111041	Lead	WTLAP-13-39429	F	7/28/13 5:18	0.578	µg/L
CO111041	Lead	WTLAP-13-39428	UF	7/28/13 5:18	14.2	µg/L
CO111041	Magnesium	WTLAP-13-30622	F	6/14/13 12:43	1.75	mg/L
CO111041	Magnesium	WTLAP-13-30630	UF	6/14/13 12:43	6.66	mg/L
CO111041	Magnesium	WTLAP-13-30624	F	6/30/13 3:01	1.16	mg/L
CO111041	Magnesium	WTLAP-13-30632	UF	6/30/13 3:01	4.7	mg/L
CO111041	Magnesium	WTLAP-13-30626	F	7/5/13 0:16	0.996	mg/L
CO111041	Magnesium	WTLAP-13-30634	UF	7/5/13 0:16	3.56	mg/L
CO111041	Magnesium	WTLAP-13-39020	F	7/12/13 11:24	0.828	mg/L
CO111041	Magnesium	WTLAP-13-39019	UF	7/12/13 11:24	5.25	mg/L
CO111041	Magnesium	WTLAP-13-39429	F	7/28/13 5:18	0.979	mg/L
CO111041	Magnesium	WTLAP-13-39428	UF	7/28/13 5:18	2.17	mg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO111041	Manganese	WTLAP-13-30622	F	6/14/13 12:43	371	µg/L
CO111041	Manganese	WTLAP-13-30630	UF	6/14/13 12:43	818	µg/L
CO111041	Manganese	WTLAP-13-30624	F	6/30/13 3:01	19.5	µg/L
CO111041	Manganese	WTLAP-13-30632	UF	6/30/13 3:01	558	µg/L
CO111041	Manganese	WTLAP-13-30626	F	7/5/13 0:16	27.7	µg/L
CO111041	Manganese	WTLAP-13-30634	UF	7/5/13 0:16	433	µg/L
CO111041	Manganese	WTLAP-13-39020	F	7/12/13 11:24	91.4	µg/L
CO111041	Manganese	WTLAP-13-39019	UF	7/12/13 11:24	1120	µg/L
CO111041	Manganese	WTLAP-13-39429	F	7/28/13 5:18	6.96	µg/L
CO111041	Manganese	WTLAP-13-39428	UF	7/28/13 5:18	160	µg/L
CO111041	Mercury	WTLAP-13-30622	F	6/14/13 12:43	< 0.2	µg/L
CO111041	Mercury	WTLAP-13-30630	UF	6/14/13 12:43	< 0.2	µg/L
CO111041	Mercury	WTLAP-13-30624	F	6/30/13 3:01	< 0.2	µg/L
CO111041	Mercury	WTLAP-13-30632	UF	6/30/13 3:01	< 0.2	µg/L
CO111041	Mercury	WTLAP-13-30626	F	7/5/13 0:16	< 0.2	µg/L
CO111041	Mercury	WTLAP-13-30634	UF	7/5/13 0:16	< 0.2	µg/L
CO111041	Mercury	WTLAP-13-39020	F	7/12/13 11:24	< 0.2	µg/L
CO111041	Mercury	WTLAP-13-39019	UF	7/12/13 11:24	< 0.2	µg/L
CO111041	Mercury	WTLAP-13-39429	F	7/28/13 5:18	< 0.2	µg/L
CO111041	Mercury	WTLAP-13-39428	UF	7/28/13 5:18	< 0.2	µg/L
CO111041	Nickel	WTLAP-13-30622	F	6/14/13 12:43	3.69	µg/L
CO111041	Nickel	WTLAP-13-30630	UF	6/14/13 12:43	18.6	µg/L
CO111041	Nickel	WTLAP-13-30624	F	6/30/13 3:01	1.82	µg/L
CO111041	Nickel	WTLAP-13-30632	UF	6/30/13 3:01	11.3	µg/L
CO111041	Nickel	WTLAP-13-30626	F	7/5/13 0:16	1.53	µg/L
CO111041	Nickel	WTLAP-13-30634	UF	7/5/13 0:16	10.3	µg/L
CO111041	Nickel	WTLAP-13-39020	F	7/12/13 11:24	1.14	µg/L
CO111041	Nickel	WTLAP-13-39019	UF	7/12/13 11:24	20.6	µg/L
CO111041	Nickel	WTLAP-13-39429	F	7/28/13 5:18	1.53	µg/L
CO111041	Nickel	WTLAP-13-39428	UF	7/28/13 5:18	4.76	µg/L
CO111041	Potassium	WTLAP-13-30622	F	6/14/13 12:43	7.61	mg/L
CO111041	Potassium	WTLAP-13-30630	UF	6/14/13 12:43	12.1	mg/L
CO111041	Potassium	WTLAP-13-30624	F	6/30/13 3:01	4.69	mg/L
CO111041	Potassium	WTLAP-13-30632	UF	6/30/13 3:01	8.14	mg/L
CO111041	Potassium	WTLAP-13-30626	F	7/5/13 0:16	3.81	mg/L
CO111041	Potassium	WTLAP-13-30634	UF	7/5/13 0:16	6.57	mg/L
CO111041	Potassium	WTLAP-13-39020	F	7/12/13 11:24	2.78	mg/L
CO111041	Potassium	WTLAP-13-39019	UF	7/12/13 11:24	6.53	mg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO111041	Potassium	WTLAP-13-39429	F	7/28/13 5:18	2.87	mg/L
CO111041	Potassium	WTLAP-13-39428	UF	7/28/13 5:18	4.36	mg/L
CO111041	Sand	WTLAP-13-30646	UF	6/14/13 12:40	18.63	%
CO111041	Sand	WTLAP-13-30648	UF	6/30/13 3:00	24.3	%
CO111041	Sand	WTLAP-13-30650	UF	7/5/13 0:16	21	%
CO111041	Sand	WTLAP-13-39015	UF	7/12/13 11:21	27.2	%
CO111041	Sand	WTLAP-13-39428	UF	7/28/13 5:18	3.7	%
CO111041	Selenium	WTLAP-13-30622	F	6/14/13 12:43	< 5	µg/L
CO111041	Selenium	WTLAP-13-30630	UF	6/14/13 12:43	< 5	µg/L
CO111041	Selenium	WTLAP-13-30624	F	6/30/13 3:01	< 5	µg/L
CO111041	Selenium	WTLAP-13-30632	UF	6/30/13 3:01	< 5	µg/L
CO111041	Selenium	WTLAP-13-30626	F	7/5/13 0:16	< 5	µg/L
CO111041	Selenium	WTLAP-13-30634	UF	7/5/13 0:16	< 5	µg/L
CO111041	Selenium	WTLAP-13-39020	F	7/12/13 11:24	< 5	µg/L
CO111041	Selenium	WTLAP-13-39019	UF	7/12/13 11:24	< 5	µg/L
CO111041	Selenium	WTLAP-13-39429	F	7/28/13 5:18	< 5	µg/L
CO111041	Selenium	WTLAP-13-39428	UF	7/28/13 5:18	< 5	µg/L
CO111041	Silt	WTLAP-13-30646	UF	6/14/13 12:40	75.51	%
CO111041	Silt	WTLAP-13-30648	UF	6/30/13 3:00	71	%
CO111041	Silt	WTLAP-13-30650	UF	7/5/13 0:16	73.1	%
CO111041	Silt	WTLAP-13-39015	UF	7/12/13 11:21	67.6	%
CO111041	Silt	WTLAP-13-39428	UF	7/28/13 5:18	82.2	%
CO111041	Silver	WTLAP-13-30622	F	6/14/13 12:43	< 1	µg/L
CO111041	Silver	WTLAP-13-30630	UF	6/14/13 12:43	0.244	µg/L
CO111041	Silver	WTLAP-13-30624	F	6/30/13 3:01	< 1	µg/L
CO111041	Silver	WTLAP-13-30632	UF	6/30/13 3:01	< 1	µg/L
CO111041	Silver	WTLAP-13-30626	F	7/5/13 0:16	< 1	µg/L
CO111041	Silver	WTLAP-13-30634	UF	7/5/13 0:16	< 1	µg/L
CO111041	Silver	WTLAP-13-39020	F	7/12/13 11:24	< 1	µg/L
CO111041	Silver	WTLAP-13-39019	UF	7/12/13 11:24	< 1	µg/L
CO111041	Silver	WTLAP-13-39429	F	7/28/13 5:18	< 1	µg/L
CO111041	Silver	WTLAP-13-39428	UF	7/28/13 5:18	< 1	µg/L
CO111041	Sodium	WTLAP-13-30622	F	6/14/13 12:43	12.6	mg/L
CO111041	Sodium	WTLAP-13-30630	UF	6/14/13 12:43	13.5	mg/L
CO111041	Sodium	WTLAP-13-30624	F	6/30/13 3:01	6.35	mg/L
CO111041	Sodium	WTLAP-13-30632	UF	6/30/13 3:01	7.54	mg/L
CO111041	Sodium	WTLAP-13-30626	F	7/5/13 0:16	6.44	mg/L
CO111041	Sodium	WTLAP-13-30634	UF	7/5/13 0:16	7.37	mg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO111041	Sodium	WTLAP-13-39020	F	7/12/13 11:24	4.23	mg/L
CO111041	Sodium	WTLAP-13-39019	UF	7/12/13 11:24	5.48	mg/L
CO111041	Sodium	WTLAP-13-39429	F	7/28/13 5:18	7.99	mg/L
CO111041	Sodium	WTLAP-13-39428	UF	7/28/13 5:18	8.71	mg/L
CO111041	Sulfate	WTLAP-13-32571	F	6/14/13 13:14	3.6	mg/L
CO111041	Sulfate	WTLAP-13-39024	F	7/13/13 13:32	6.3	mg/L
CO111041	SSC	WTLAP-13-30646	UF	6/14/13 12:40	2870	mg/L
CO111041	SSC	WTLAP-13-30648	UF	6/30/13 3:00	1750	mg/L
CO111041	SSC	WTLAP-13-32568	UF	6/30/13 3:04	1090	mg/L
CO111041	SSC	WTLAP-13-30650	UF	7/5/13 0:16	1500	mg/L
CO111041	SSC	WTLAP-13-32569	UF	7/5/13 0:17	880	mg/L
CO111041	SSC	WTLAP-13-39015	UF	7/12/13 11:21	4350	mg/L
CO111041	SSC	WTLAP-13-39025	UF	7/13/13 13:33	4130	mg/L
CO111041	SSC	WTLAP-13-39026	UF	7/13/13 13:34	4160	mg/L
CO111041	SSC	WTLAP-13-39428	UF	7/28/13 5:18	180	mg/L
CO111041	SSC	WTLAP-13-40540	UF	8/5/13 13:43	260	mg/L
CO111041	SSC	WTLAP-13-41772	UF	9/10/13 10:34	1000	mg/L
CO111041	Thallium	WTLAP-13-30622	F	6/14/13 12:43	< 2	µg/L
CO111041	Thallium	WTLAP-13-30630	UF	6/14/13 12:43	< 2	µg/L
CO111041	Thallium	WTLAP-13-30624	F	6/30/13 3:01	< 2	µg/L
CO111041	Thallium	WTLAP-13-30632	UF	6/30/13 3:01	< 2	µg/L
CO111041	Thallium	WTLAP-13-30626	F	7/5/13 0:16	< 2	µg/L
CO111041	Thallium	WTLAP-13-30634	UF	7/5/13 0:16	< 2	µg/L
CO111041	Thallium	WTLAP-13-39020	F	7/12/13 11:24	< 2	µg/L
CO111041	Thallium	WTLAP-13-39019	UF	7/12/13 11:24	< 2	µg/L
CO111041	Thallium	WTLAP-13-39429	F	7/28/13 5:18	< 2	µg/L
CO111041	Thallium	WTLAP-13-39428	UF	7/28/13 5:18	< 2	µg/L
CO111041	Total Organic Carbon	WTLAP-13-36961	UF	6/14/13 12:41	106	mg/L
CO111041	Total Organic Carbon	WTLAP-13-30664	UF	6/30/13 3:03	16.5	mg/L
CO111041	Total Organic Carbon	WTLAP-13-39017	UF	7/12/13 11:22	20.5	mg/L
CO111041	TSS	WTLAP-13-39018	UF	7/12/13 11:23	1200	mg/L
CO111041	TSS	WTLAP-13-40532	UF	8/5/13 13:03	901	mg/L
CO111041	TSS	WTLAP-13-40534	UF	8/5/13 13:05	651	mg/L
CO111041	TSS	WTLAP-13-40533	UF	8/5/13 13:05	721	mg/L
CO111041	TSS	WTLAP-13-40535	UF	8/5/13 13:06	545	mg/L
CO111041	TSS	WTLAP-13-40536	UF	8/5/13 13:07	458	mg/L
CO111041	TSS	WTLAP-13-40537	UF	8/5/13 13:13	288	mg/L
CO111041	TSS	WTLAP-13-40538	UF	8/5/13 13:15	304	mg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO111041	TSS	WTLAP-13-40539	UF	8/5/13 13:33	367	mg/L
CO111041	TSS	WTLAP-13-41058	UF	8/9/13 13:41	265	mg/L
CO111041	TSS	WTLAP-13-41059	UF	8/9/13 13:42	288	mg/L
CO111041	TSS	WTLAP-13-41060	UF	8/9/13 13:44	288	mg/L
CO111041	TSS	WTLAP-13-41061	UF	8/9/13 13:45	254	mg/L
CO111041	TSS	WTLAP-13-41062	UF	8/9/13 13:46	217	mg/L
CO111041	TSS	WTLAP-13-41773	UF	9/10/13 10:35	432	mg/L
CO111041	TSS	WTLAP-13-41774	UF	9/10/13 10:36	504	mg/L
CO111041	TSS	WTLAP-13-41775	UF	9/10/13 10:37	478	mg/L
CO111041	TSS	WTLAP-13-41776	UF	9/10/13 10:38	356	mg/L
CO111041	TSS	WTLAP-13-41777	UF	9/10/13 10:39	339	mg/L
CO111041	TSS	WTLAP-13-41778	UF	9/10/13 10:40	292	mg/L
CO111041	TSS	WTLAP-13-41779	UF	9/10/13 10:41	329	mg/L
CO111041	TSS	WTLAP-13-41780	UF	9/10/13 10:57	132	mg/L
CO111041	Uranium	WTLAP-13-30622	F	6/14/13 12:43	2.09	µg/L
CO111041	Uranium	WTLAP-13-30630	UF	6/14/13 12:43	64.2	µg/L
CO111041	Uranium	WTLAP-13-30624	F	6/30/13 3:01	0.994	µg/L
CO111041	Uranium	WTLAP-13-30632	UF	6/30/13 3:01	35.4	µg/L
CO111041	Uranium	WTLAP-13-30626	F	7/5/13 0:16	1.04	µg/L
CO111041	Uranium	WTLAP-13-30634	UF	7/5/13 0:16	34.5	µg/L
CO111041	Uranium	WTLAP-13-39020	F	7/12/13 11:24	0.984	µg/L
CO111041	Uranium	WTLAP-13-39019	UF	7/12/13 11:24	108	µg/L
CO111041	Uranium	WTLAP-13-39429	F	7/28/13 5:18	1.33	µg/L
CO111041	Uranium	WTLAP-13-39428	UF	7/28/13 5:18	9.27	µg/L
CO111041	Uranium-234	WTLAP-13-30654	UF	6/14/13 12:51	8.96	pCi/L
CO111041	Uranium-234	WTLAP-13-30656	UF	6/30/13 3:02	18.6	pCi/L
CO111041	Uranium-234	WTLAP-13-39021	UF	7/12/13 11:25	41.7	pCi/L
CO111041	Uranium-234	WTLAP-13-39428	UF	7/28/13 5:18	1.03	pCi/L
CO111041	Uranium-235/236	WTLAP-13-30654	UF	6/14/13 12:51	0.356	pCi/L
CO111041	Uranium-235/236	WTLAP-13-30656	UF	6/30/13 3:02	1.26	pCi/L
CO111041	Uranium-235/236	WTLAP-13-39021	UF	7/12/13 11:25	2.09	pCi/L
CO111041	Uranium-235/236	WTLAP-13-39428	UF	7/28/13 5:18	< 0.0564	pCi/L
CO111041	Uranium-238	WTLAP-13-30654	UF	6/14/13 12:51	9.66	pCi/L
CO111041	Uranium-238	WTLAP-13-30656	UF	6/30/13 3:02	16.3	pCi/L
CO111041	Uranium-238	WTLAP-13-39021	UF	7/12/13 11:25	45.1	pCi/L
CO111041	Uranium-238	WTLAP-13-39428	UF	7/28/13 5:18	0.974	pCi/L
CO111041	Vanadium	WTLAP-13-30622	F	6/14/13 12:43	2.66	µg/L
CO111041	Vanadium	WTLAP-13-30630	UF	6/14/13 12:43	31.9	µg/L

Table 4.4-1 (continued)

Sample Location	Analyte	Sample ID	Field Prep	Collection Date Time	Result	Unit
CO111041	Vanadium	WTLAP-13-30624	F	6/30/13 3:01	1.62	µg/L
CO111041	Vanadium	WTLAP-13-30632	UF	6/30/13 3:01	22.6	µg/L
CO111041	Vanadium	WTLAP-13-30626	F	7/5/13 0:16	2.17	µg/L
CO111041	Vanadium	WTLAP-13-30634	UF	7/5/13 0:16	18.3	µg/L
CO111041	Vanadium	WTLAP-13-39020	F	7/12/13 11:24	1.26	µg/L
CO111041	Vanadium	WTLAP-13-39019	UF	7/12/13 11:24	30.8	µg/L
CO111041	Vanadium	WTLAP-13-39429	F	7/28/13 5:18	3.05	µg/L
CO111041	Vanadium	WTLAP-13-39428	UF	7/28/13 5:18	11.7	µg/L
CO111041	Zinc	WTLAP-13-30622	F	6/14/13 12:43	94.6	µg/L
CO111041	Zinc	WTLAP-13-30630	UF	6/14/13 12:43	759	µg/L
CO111041	Zinc	WTLAP-13-30624	F	6/30/13 3:01	22	µg/L
CO111041	Zinc	WTLAP-13-30632	UF	6/30/13 3:01	508	µg/L
CO111041	Zinc	WTLAP-13-30626	F	7/5/13 0:16	38.9	µg/L
CO111041	Zinc	WTLAP-13-30634	UF	7/5/13 0:16	403	µg/L
CO111041	Zinc	WTLAP-13-39020	F	7/12/13 11:24	20.2	µg/L
CO111041	Zinc	WTLAP-13-39019	UF	7/12/13 11:24	817	µg/L
CO111041	Zinc	WTLAP-13-39429	F	7/28/13 5:18	24.8	µg/L
CO111041	Zinc	WTLAP-13-39428	UF	7/28/13 5:18	146	µg/L

^a UF = Unfiltered.^b < = Nondetected result.^c F = Filtered.

