Appendix G
Surface Runoff and Subsurface Flow Water Quality at Soil and Composted-Amended Soil Test Sites

Table G-1. Observed Water Quality of Collected Samples from Compost-Amended Soil and Soil Sites

			quantification limit	0.03	0.010	0.010	0.03	0.010	0.010	0.03	0.04	0.02	0.10	0.10	0.17	0.003	0.03	0.007	0.02
			detection limit	0.01	0.003	0.003	0.01	0.003	0.003	0.01	0.01	0.01	0.03	0.03	0.05	0.001	0.01	0.002	0.01
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	PO4-P	Hydr P	TOT-P	NH4-N	NO2-N	NO3-N	TOT-N	Cl	SO4-S	Al	As	B	Ba	Ca	Cd	Cr
12/18/97	Urban Hort	precip	precip	ND	ND	TR	0.45	ND	0.03	0.91	0.61	0.22	ND	ND	TR	ND	0.23	0.01	0.02
12/18/97	Urban Hort	no-comp	lower	ND	ND	TR	0.02	ND	0.05	0.58	2.18	ND	2.07	ND	TR	0.01	6.44	0.01	0.03
12/18/97	Urban Hort	comp	lower	0.41	0.18	0.73	0.02	ND	0.69	1.81	0.66	2.59	11.16	ND	TR	0.07	24.07	0.01	0.05
12/18/97	Urban Hort	no-comp	lower	ND	ND	TR	0.02	ND	ND	0.68	1.49	0.07	0.88	ND	ND	0.01	9.10	0.01	0.03
12/18/97	Urban Hort	comp	lower	1.19	1.31	1.98	0.02	ND	0.03	1.83	1.51	0.41	1.31	ND	TR	0.01	16.27	0.01	0.03
12/18/97	Urban Hort	no-comp	upper	0.16	0.13	0.44	0.30	ND	0.50	1.68	1.61	0.62	48.69	ND	TR	0.10	5.13	0.01	0.03
12/18/97	Urban Hort	comp	upper	0.38	0.22	0.65	1.94	ND	0.30	2.24	0.87	0.37	0.57	ND	ND	0.00	1.34	0.01	0.02
12/18/97	Urban Hort	no-comp	upper	ND	ND	TR	0.11	ND	0.03	0.70	1.51	0.08	0.87	ND	ND	0.01	5.22	0.01	0.02
12/18/97	Urban Hort	comp	upper	0.62	0.50	0.80	0.26	ND	0.83	1.26	1.01	0.34	0.70	ND	TR	0.01	1.94	0.01	0.02
12/18/97	Woodmoor	no-comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/18/97	Woodmoor	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/18/97	Woodmoor	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/18/97	Woodmoor	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/18/97	Timbercrest	no-comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/18/97	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/18/97	Timbercrest	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/18/97	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/18/97	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

			quantification limit	0.013	0.07	1.33	0.13	0.003	0.023	0.33	0.010	0.13	0.10	0.10	0.10	0.007	0.07	0.01	
			detection limit	0.004	0.02	0.40	0.04	0.001	0.007	0.10	0.003	0.04	0.03	0.03	0.03	0.002	0.02	0.00	
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
Date	Site	tmt	type	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Se	Zn	Si	Ag	
12/18/97	Urban Hort	precip	precip	ND	ND	1.69	TR	TR	ND	0.80	ND	TR	ND	0.38	TR	0.02	0.12	TR	
12/18/97	Urban Hort	no-comp	lower	ND	1.20	2.76	3.36	0.02	TR	3.06	TR	TR	ND	0.20	0.12	0.01	11.54	0.01	
12/18/97	Urban Hort	comp	lower	0.03	6.21	18.77	7.86	0.10	TR	2.33	0.02	0.73	ND	4.06	0.21	0.05	28.11	0.01	
12/18/97	Urban Hort	no-comp	lower	ND	0.78	4.61	5.31	0.04	ND	3.40	TR	TR	ND	0.29	TR	0.02	9.12	TR	
12/18/97	Urban Hort	comp	lower	0.05	3.61	2.86	5.63	0.87	ND	1.96	0.04	1.98	ND	1.68	0.14	0.04	16.38	0.01	
12/18/97	Urban Hort	no-comp	upper	ND	10.85	3.22	6.91	0.04	ND	9.59	ND	0.44	ND	1.09	0.53	0.44	112.77	TR	
12/18/97	Urban Hort	comp	upper	ND	0.24	4.22	0.51	0.01	ND	0.81	ND	0.65	ND	0.62	TR	0.04	1.74	TR	
12/18/97	Urban Hort	no-comp	upper	ND	0.75	4.67	3.04	0.02	ND	2.31	ND	TR	ND	0.36	TR	0.05	6.06	TR	
12/18/97	Urban Hort	comp	upper	TR	0.58	4.06	0.80	0.01	ND	2.97	TR	0.80	ND	0.66	TR	0.05	2.39	TR	
12/18/97	Woodmoor	no-comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
12/18/97	Woodmoor	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
12/18/97	Woodmoor	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
12/18/97	Woodmoor	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
12/18/97	Timbercrest	no-comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
12/18/97	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
12/18/97	Timbercrest	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
12/18/97	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
12/18/97	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

Urban Hort = (Center for) Urban Horticulture or CUH

Table G-1. Observed Water Quality of Collected Samples from Compost-Amended Soil and Soil Sites (Continued)

			quantification limit	0.03	0.010	0.010	0.03	0.010	0.010	0.03	0.04	0.02	0.10	0.10	0.17	0.003	0.03	0.007	0.02
			detection limit	0.01	0.003	0.003	0.01	0.003	0.003	0.01	0.01	0.01	0.03	0.03	0.05	0.001	0.01	0.002	0.01
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	PO4-P	Hydr P	TOT-P	NH4-N	NO2-N	NO3-N	TOT-N	Cl	SO4-S	Al	As	B	Ba	Ca	Cd	Cr
1/5/98	Urban Hort	precip	precip	ND	ND	ND	0.22	ND	0.17	2.05	0.92	0.42	ND	ND	TR	ND	0.28	ND	TR
1/5/98	Urban Hort	no-comp	lower	ND	ND	TR	0.10	ND	ND	2.12	2.92	0.06	2.67	ND	ND	TR	5.49	ND	TR
1/5/98	Urban Hort	comp	lower	0.10	ND	0.47	0.02	ND	2.90	0.71	1.72	2.00	7.45	TR	TR	0.06	21.32	ND	0.04
1/5/98	Urban Hort	no-comp	lower	ND	ND	TR	0.07	ND	0.01	2.22	1.92	0.12	0.80	ND	ND	TR	6.88	ND	TR
1/5/98	Urban Hort	comp	lower	1.08	1.78	2.60	0.04	ND	ND	0.90	2.97	0.22	1.29	ND	ND	TR	15.76	ND	TR
1/5/98	Urban Hort	no-comp	upper	0.10	0.42	0.85	0.37	ND	0.66	0.76	1.53	0.82	69.00	ND	TR	0.16	6.47	TR	TR
1/5/98	Urban Hort	comp	upper	0.21	0.16	0.28	0.65	ND	0.32	1.53	0.77	0.45	0.81	ND	ND	TR	0.87	ND	TR
1/5/98	Urban Hort	no-comp	upper	0.03	ND	0.15	0.17	ND	0.05	1.04	1.90	0.20	1.69	ND	ND	TR	5.46	TR	TR
1/5/98	Urban Hort	comp	upper	1.17	2.04	2.77	0.03	ND	ND	1.17	1.92	0.10	1.03	ND	TR	TR	23.08	TR	0.04
1/5/98	Woodmoor	no-comp	lower	0.16	ND	0.21	0.68	ND	0.01	2.11	3.70	0.33	2.20	ND	ND	0.03	27.18	ND	0.04
1/5/98	Woodmoor	comp	lower	3.41	2.17	3.37	59.40	ND	2.42	118.00	181.00	75.50	2.47	TR	TR	0.26	189.58	ND	0.11
1/5/98	Woodmoor	no-comp	upper	0.08	1.04	1.59	0.08	ND	0.02	0.90	0.32	0.20	12.93	ND	ND	0.08	6.56	ND	TR
1/5/98	Woodmoor	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/5/98	Timbercrest	no-comp	lower	0.08	0.39	0.48	0.02	ND	3.66	3.51	1.47	4.16	9.13	ND	ND	0.09	16.01	ND	0.04
1/5/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/5/98	Timbercrest	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/5/98	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/5/98	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

			quantification limit	0.013	0.07	1.33	0.13	0.003	0.023	0.33	0.010	0.13	0.10	0.10	0.10	0.007	0.07	0.01
			detection limit	0.004	0.02	0.40	0.04	0.001	0.007	0.10	0.003	0.04	0.03	0.03	0.03	0.002	0.02	0.00
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Se	Zn	Si	Ag
1/5/98	Urban Hort	precip	precip	ND	ND	1.68	0.06	TR	ND	0.74	ND	ND	ND	0.52	TR	ND	0.10	ND
1/5/98	Urban Hort	no-comp	lower	TR	1.39	1.67	2.95	0.04	ND	2.43	ND	TR	ND	0.24	TR	ND	11.12	ND
1/5/98	Urban Hort	comp	lower	0.03	4.16	15.98	6.98	0.08	ND	1.80	TR	0.47	ND	3.06	0.21	TR	20.80	ND
1/5/98	Urban Hort	no-comp	lower	ND	0.64	3.46	4.27	0.03	ND	2.71	ND	TR	ND	0.29	TR	ND	6.84	ND
1/5/98	Urban Hort	comp	lower	0.08	3.20	TR	5.74	0.75	ND	1.76	0.04	2.60	ND	1.26	TR	0.17	11.88	ND
1/5/98	Urban Hort	no-comp	upper	ND	15.54	2.81	9.51	0.04	ND	11.73	ND	0.85	ND	1.43	0.75	0.57	159.03	ND
1/5/98	Urban Hort	comp	upper	TR	0.34	2.33	0.37	TR	ND	0.78	ND	0.28	ND	0.54	TR	TR	1.99	ND
1/5/98	Urban Hort	no-comp	upper	ND	1.21	4.67	3.11	0.02	ND	2.32	ND	0.15	ND	0.45	TR	TR	7.85	ND
1/5/98	Urban Hort	comp	upper	0.09	5.22	2.99	8.12	1.00	ND	2.16	0.05	2.77	ND	1.51	0.16	TR	15.70	ND
1/5/98	Woodmoor	no-comp	lower	TR	2.81	4.51	6.84	0.24	ND	2.53	TR	0.21	ND	0.89	0.17	ND	10.34	ND
1/5/98	Woodmoor	comp	lower	0.05	6.40	283.22	69.67	12.59	ND	36.11	0.18	3.37	ND	65.19	0.77	TR	10.43	ND
1/5/98	Woodmoor	no-comp	upper	TR	6.21	TR	1.14	0.26	ND	0.76	ND	1.59	ND	0.38	0.18	TR	15.37	ND
1/5/98	Woodmoor	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/5/98	Timbercrest	no-comp	lower	ND	4.81	5.51	3.14	1.35	ND	2.24	ND	0.48	ND	4.30	0.22	ND	13.15	ND
1/5/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/5/98	Timbercrest	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/5/98	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/5/98	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

Table G-1. Observed Water Quality of Collected Samples from Compost-Amended Soil and Soil Sites (Continued)

			detection limit	0.03	0.010	0.010	0.03	0.010	0.010	0.03	0.04	0.02	0.10	0.10	0.17	0.003	0.03	0.007	0.02
			quantification limit	0.01	0.003	0.003	0.01	0.003	0.003	0.01	0.01	0.01	0.03	0.03	0.05	0.001	0.01	0.002	0.01
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	PO4-P	Hydr P	TOT-P	NH4-N	NO2-N	NO3-N	TOT-N	Cl	SO4-S	Al	As	B	Ba	Ca	Cd	Cr
2/20/98	Urban Hort	precip	precip	ND	ND	ND	0.10	ND	0.11	1.15	1.16	0.35	ND	ND	ND	ND	0.22	TR	TR
2/20/98	Urban Hort	no-comp	lower	0.05	ND	ND	0.08	ND	ND	1.54	1.36	0.01	0.65	ND	ND	0.01	9.11	ND	TR
2/20/98	Urban Hort	comp	lower	0.29	ND	0.54	0.06	ND	0.04	4.61	0.32	0.92	10.17	ND	TR	0.07	24.29	TR	0.05
2/20/98	Urban Hort	no-comp	lower	0.01	4.25	4.60	0.12	ND	ND	4.58	0.45	0.01	TR	ND	ND	0.01	19.43	TR	0.03
2/20/98	Urban Hort	comp	lower	1.68	ND	ND	0.10	ND	0.01	2.00	2.08	0.09	TR	ND	ND	0.01	12.01	ND	TR
2/20/98	Urban Hort	no-comp	upper	0.78	0.61	0.95	3.72	ND	0.02	6.71	4.28	0.71	40.42	ND	ND	0.09	4.86	TR	TR
2/20/98	Urban Hort	comp	upper	0.95	0.58	1.08	6.99	ND	0.09	9.33	1.51	0.80	ND	ND	ND	TR	1.25	TR	TR
2/20/98	Urban Hort	no-comp	upper	0.15	0.42	0.87	0.02	ND	0.41	2.02	1.26	0.18	TR	ND	ND	0.01	5.83	TR	TR
2/20/98	Urban Hort	comp	upper	1.91	1.98	2.85	0.41	ND	0.13	3.93	2.43	0.11	1.37	ND	ND	0.02	12.66	TR	0.03
2/20/98	Woodmoor	no-comp	lower	ND	ND	TR	0.35	ND	0.01	2.85	3.07	0.16	1.37	ND	ND	0.05	37.55	ND	0.04
2/20/98	Woodmoor	comp	lower	2.20	5.14	6.00	43.90	ND	ND	90.00	ND	10.17	4.47	TR	TR	0.26	131.87	TR	0.10
2/20/98	Woodmoor	no-comp	upper	ND	ND	ND	0.20	ND	0.09	2.07	1.71	0.35	1.58	ND	ND	0.02	13.81	ND	TR
2/20/98	Woodmoor	comp	upper	1.56	3.82	4.32	27.36	ND	ND	47.60	19.53	4.75	4.56	ND	TR	0.19	52.03	TR	0.06
2/20/98	Timbercrest	no-comp	lower	0.07	0.31	0.70	0.02	ND	0.80	3.34	1.38	4.33	15.45	ND	ND	0.12	41.02	TR	0.05
2/20/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/20/98	Timbercrest	no-comp	upper	0.02	ND	ND	ND	ND	.1.063	1.46	2.25	2.11	2.26	ND	ND	0.02	8.54	TR	TR
2/20/98	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/20/98	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

			detection limit	0.013	0.07	1.33	0.13	0.003	0.023	0.33	0.010	0.13	0.10	0.10	0.10	0.007	0.07	0.01
			quantification limit	0.004	0.02	0.40	0.04	0.001	0.007	0.10	0.003	0.04	0.03	0.03	0.03	0.002	0.02	0.00
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Se	Zn	Si	Ag
2/20/98	Urban Hort	precip	precip	ND	TR	1.93	0.07	TR	ND	0.58	ND	ND	ND	0.58	TR	ND	ND	ND
2/20/98	Urban Hort	no-comp	lower	ND	0.35	2.36	4.78	TR	ND	3.53	ND	ND	ND	0.18	TR	ND	10.04	ND
2/20/98	Urban Hort	comp	lower	0.03	5.74	18.52	8.11	0.09	ND	2.09	TR	0.54	ND	2.26	0.30	TR	27.50	ND
2/20/98	Urban Hort	no-comp	lower	0.04	8.37	2.75	7.07	TR	ND	2.01	TR	4.60	ND	1.19	TR	ND	17.33	ND
2/20/98	Urban Hort	comp	lower	ND	0.36	2.54	7.01	0.02	ND	3.68	ND	ND	ND	0.30	TR	ND	8.29	ND
2/20/98	Urban Hort	no-comp	upper	ND	9.43	3.73	5.80	0.12	ND	10.05	ND	0.95	ND	2.17	0.57	0.39	94.79	ND
2/20/98	Urban Hort	comp	upper	TR	0.06	3.96	0.37	TR	ND	1.22	ND	1.08	ND	1.16	TR	TR	TR	ND
2/20/98	Urban Hort	no-comp	upper	ND	0.39	3.72	3.09	TR	ND	1.99	ND	0.87	ND	0.46	TR	TR	4.32	ND
2/20/98	Urban Hort	comp	upper	0.07	2.95	2.95	4.69	0.02	ND	1.95	TR	2.85	ND	1.17	TR	TR	11.00	ND
2/20/98	Woodmoor	no-comp	lower	TR	9.26	5.39	7.68	2.31	ND	2.30	TR	TR	ND	0.88	0.24	TR	9.69	ND
2/20/98	Woodmoor	comp	lower	0.05	5.93	240.68	47.00	8.13	ND	23.25	0.09	6.00	TR	31.15	0.46	0.11	14.32	TR
2/20/98	Woodmoor	no-comp	upper	TR	1.58	3.96	2.94	0.21	ND	2.17	ND	ND	ND	0.78	TR	0.96	6.96	ND
2/20/98	Woodmoor	comp	upper	0.05	4.75	158.10	18.05	2.62	ND	10.68	0.05	4.32	TR	7.78	0.28	0.22	11.98	ND
2/20/98	Timbercrest	no-comp	lower	TR	8.89	5.69	4.31	0.56	ND	2.21	ND	0.70	ND	4.90	0.32	TR	18.38	ND
2/20/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/20/98	Timbercrest	no-comp	upper	TR	1.33	4.49	1.27	0.06	ND	2.86	ND	ND	ND	2.39	TR	ND	4.14	ND
2/20/98	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/20/98	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

Table G-1. Observed Water Quality of Collected Samples from Compost-Amended Soil and Soil Sites (Continued)

			quantification limit	0.03	0.010	0.010	0.03	0.010	0.010	0.03	0.04	0.02	0.10	0.10	0.17	0.003	0.03	0.007	0.02
			detection limit	0.01	0.003	0.003	0.01	0.003	0.003	0.01	0.01	0.01	0.03	0.03	0.05	0.001	0.01	0.002	0.01
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	PO4-P	Hydr P	TOT-P	NH4-N	NO2-N	NO3-N	TOT-N	Cl	SO4-S	Al	As	B	Ba	Ca	Cd	Cr
3/15/98	Urban Hort	precip	precip	ND	ND	ND	0.16	ND	0.10	0.53	0.65	0.27	ND	ND	ND	ND	0.19	ND	ND
3/15/98	Urban Hort	no-comp	lower	ND	ND	ND	0.03	ND	ND	0.20	0.54	ND	TR	ND	ND	TR	9.74	ND	TR
3/15/98	Urban Hort	comp	lower	0.21	0.14	0.45	0.07	ND	0.04	3.02	0.10	0.73	5.32	ND	TR	0.04	18.18	ND	0.12
3/15/98	Urban Hort	no-comp	lower	ND	ND	ND	0.02	ND	0.00	0.35	0.69	ND	ND	ND	ND	TR	10.58	ND	TR
3/15/98	Urban Hort	comp	lower	1.14	1.59	1.77	0.06	ND	ND	2.00	0.40	0.03	TR	ND	ND	TR	8.79	ND	TR
3/15/98	Urban Hort	no-comp	upper	0.53	0.70	0.51	3.34	ND	1.61	5.96	1.44	1.34	7.36	ND	ND	0.09	4.23	ND	0.07
3/15/98	Urban Hort	comp	upper	0.73	0.46	0.65	3.28	ND	1.40	5.04	2.76	0.89	1.69	ND	ND	0.01	1.09	ND	TR
3/15/98	Urban Hort	no-comp	upper	0.11	ND	0.22	0.01	ND	1.13	0.74	0.86	0.23	2.08	ND	ND	0.02	5.40	ND	ND
3/15/98	Urban Hort	comp	upper	1.16	1.01	1.50	0.07	ND	2.41	2.99	1.13	0.51	1.95	ND	ND	0.02	3.53	ND	0.07
3/15/98	Woodmoor	no-comp	lower	ND	ND	TR	0.43	ND	ND	2.20	2.15	0.03	TR	ND	ND	0.05	40.15	ND	TR
3/15/98	Woodmoor	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
3/15/98	Woodmoor	no-comp	upper	0.03	ND	0.30	0.03	ND	0.01	0.58	2.54	0.45	8.22	ND	ND	0.07	14.75	ND	TR
3/15/98	Woodmoor	comp	upper	0.69	1.54	2.99	19.10	ND	ND	34.20	16.08	0.28	0.73	ND	TR	0.07	69.85	ND	0.04
3/15/98	Timbercrest	no-comp	lower	0.02	0.13	0.35	ND	ND	0.28	1.74	0.61	4.15	6.67	ND	ND	0.07	29.70	ND	0.14
3/15/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
3/15/98	Timbercrest	no-comp	upper	0.02	0.25	TR	0.04	ND	0.12	1.79	0.46	0.22	2.73	ND	ND	0.02	1.58	ND	TR
3/15/98	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
3/15/98	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

			quantification limit	0.013	0.07	1.33	0.13	0.003	0.023	0.33	0.010	0.13	0.10	0.10	0.10	0.007	0.07	0.01
			detection limit	0.004	0.02	0.40	0.04	0.001	0.007	0.10	0.003	0.04	0.03	0.03	0.03	0.002	0.02	0.00
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Se	Zn	Si	Ag
3/15/98	Urban Hort	precip	precip	TR	0.24	ND	0.07	TR	ND	0.35	0.05	ND	ND	0.26	ND	TR	TR	ND
3/15/98	Urban Hort	no-comp	lower	ND	0.18	TR	5.40	TR	ND	4.30	TR	ND	ND	0.13	ND	TR	9.22	ND
3/15/98	Urban Hort	comp	lower	0.02	4.51	14.65	6.28	0.06	ND	1.70	0.22	0.45	ND	1.51	TR	TR	9.12	ND
3/15/98	Urban Hort	no-comp	lower	ND	0.12	1.51	6.44	TR	ND	3.35	ND	ND	ND	0.13	TR	TR	5.16	ND
3/15/98	Urban Hort	comp	lower	0.02	4.51	TR	3.28	0.07	ND	1.02	0.04	1.77	ND	0.45	ND	TR	0.62	ND
3/15/98	Urban Hort	no-comp	upper	TR	3.05	1.73	1.78	0.08	ND	3.73	0.30	0.51	ND	0.64	TR	0.32	1.48	ND
3/15/98	Urban Hort	comp	upper	TR	1.36	5.07	0.60	0.06	ND	0.58	TR	0.65	ND	0.83	ND	0.16	1.58	ND
3/15/98	Urban Hort	no-comp	upper	TR	1.65	TR	3.26	0.04	ND	2.05	TR	0.22	TR	0.44	TR	TR	6.92	ND
3/15/98	Urban Hort	comp	upper	0.02	4.53	TR	1.26	0.58	ND	2.71	0.19	1.50	TR	0.65	TR	0.13	3.38	ND
3/15/98	Woodmoor	no-comp	lower	TR	16.51	4.17	8.39	4.74	ND	2.32	TR	TR	TR	0.56	TR	0.12	7.11	ND
3/15/98	Woodmoor	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3/15/98	Woodmoor	no-comp	upper	0.01	10.50	1.64	3.11	0.74	ND	1.37	TR	0.30	ND	0.32	TR	TR	10.72	ND
3/15/98	Woodmoor	comp	upper	0.03	3.97	117.24	27.21	3.20	ND	7.70	TR	2.99	TR	2.16	TR	TR	4.23	ND
3/15/98	Timbercrest	no-comp	lower	TR	4.63	3.37	3.14	0.11	ND	1.46	0.12	0.35	TR	3.16	TR	TR	5.96	ND
3/15/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3/15/98	Timbercrest	no-comp	upper	ND	1.63	TR	0.61	0.03	ND	0.57	TR	TR	ND	0.33	ND	TR	3.83	ND
3/15/98	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3/15/98	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

Table G-1. Observed Water Quality of Collected Samples from Compost-Amended Soil and Soil Sites (Continued)

			quantification limit	0.03	0.010	0.010	0.03	0.010	0.010	0.03	0.04	0.02	0.10	0.10	0.17	0.003	0.03	0.007	0.02
			detection limit	0.01	0.003	0.003	0.01	0.003	0.003	0.01	0.01	0.01	0.03	0.03	0.05	0.001	0.01	0.002	0.01
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	PO4-P	Hydr P	TOT-P	NH4-N	NO2-N	NO3-N	TOT-N	Cl	SO4-S	Al	As	B	Ba	Ca	Cd	Cr
4/15/98	Urban Hort	precip	precip	0.39	ND	0.41	0.29	ND	ND	0.97	0.76	0.64	ND	ND	ND	ND	0.47	ND	TR
4/15/98	Urban Hort	no-comp	lower	0.17	0.08	0.15	0.95	ND	0.00	1.04	0.16	0.01	ND	ND	ND	TR	9.66	ND	TR
4/15/98	Urban Hort	comp	lower	0.35	0.26	0.44	0.09	ND	0.54	2.62	0.15	0.34	1.69	ND	TR	0.03	24.34	TR	0.04
4/15/98	Urban Hort	no-comp	lower	0.19	0.02	0.25	0.23	ND	0.21	0.37	0.66	0.07	ND	ND	ND	TR	21.90	TR	TR
4/15/98	Urban Hort	comp	lower	1.78	5.57	3.15	0.44	ND	4.39	3.20	5.30	2.35	TR	ND	ND	0.01	15.38	TR	0.04
4/15/98	Urban Hort	no-comp	upper	0.61	0.83	0.72	0.88	ND	3.29	1.26	1.46	0.89	15.87	ND	ND	0.05	2.97	TR	TR
4/15/98	Urban Hort	comp	upper	0.88	0.70	1.15	3.74	ND	4.93	4.03	1.86	1.03	TR	ND	ND	0.01	2.03	TR	TR
4/15/98	Urban Hort	no-comp	upper	0.26	0.08	0.20	0.32	ND	0.83	0.80	0.57	0.17	TR	ND	ND	0.01	5.92	TR	TR
4/15/98	Urban Hort	comp	upper	1.09	0.85	1.32	0.35	ND	3.65	0.92	1.55	0.70	ND	ND	ND	TR	7.38	TR	TR
4/15/98	Woodmoor	no-comp	lower	0.18	ND	0.20	0.46	ND	ND	0.65	0.53	0.24	TR	ND	ND	0.01	6.69	ND	TR
4/15/98	Woodmoor	comp	lower	1.14	1.54	2.39	8.98	ND	ND	15.46	9.00	0.64	TR	ND	TR	0.03	64.51	TR	0.05
4/15/98	Woodmoor	no-comp	upper	0.18	ND	0.21	0.95	ND	ND	2.22	3.24	0.03	TR	ND	ND	0.06	56.78	TR	0.05
4/15/98	Woodmoor	comp	upper	0.84	0.84	1.41	6.79	ND	1.17	13.16	12.88	2.02	ND	ND	TR	0.03	49.18	ND	0.04
4/15/98	Timbercrest	no-comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/15/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/15/98	Timbercrest	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/15/98	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/15/98	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

			quantification limit	0.013	0.07	1.33	0.13	0.003	0.023	0.33	0.010	0.13	0.10	0.10	0.10	0.007	0.07	0.01	
			detection limit	0.004	0.02	0.40	0.04	0.001	0.007	0.10	0.003	0.04	0.03	0.03	0.03	0.002	0.02	0.00	
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
Date	Site	tmt	type	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Se	Zn	Si	Ag	
4/15/98	Urban Hort	precip	precip	ND	TR	2.44	0.10	TR	ND	0.44	ND	0.41	ND	0.49	TR	TR	TR	TR	
4/15/98	Urban Hort	no-comp	lower	ND	0.08	2.50	5.16	0.02	ND	3.58	ND	0.15	ND	0.31	TR	ND	8.73	TR	
4/15/98	Urban Hort	comp	lower	0.02	1.23	18.62	7.57	0.02	ND	1.80	TR	0.44	ND	1.56	TR	TR	11.75	TR	
4/15/98	Urban Hort	no-comp	lower	ND	0.07	3.40	12.84	0.02	ND	5.93	ND	0.25	ND	0.42	TR	ND	14.27	TR	
4/15/98	Urban Hort	comp	lower	0.05	3.41	4.17	4.49	0.03	ND	10.91	TR	3.15	ND	3.69	TR	TR	15.10	TR	
4/15/98	Urban Hort	no-comp	upper	TR	3.71	4.49	2.50	0.02	ND	6.35	ND	0.72	ND	1.30	0.25	0.32	39.00	TR	
4/15/98	Urban Hort	comp	upper	TR	0.13	5.50	0.55	0.04	ND	0.95	ND	1.15	ND	1.36	TR	0.21	0.87	TR	
4/15/98	Urban Hort	no-comp	upper	TR	0.36	3.38	3.12	ND	ND	1.12	TR	0.20	ND	0.51	TR	TR	3.44	TR	
4/15/98	Urban Hort	comp	upper	0.02	0.19	5.36	1.12	0.03	ND	4.74	ND	1.32	ND	1.13	TR	0.14	0.62	TR	
4/15/98	Woodmoor	no-comp	lower	ND	0.22	2.51	0.56	TR	ND	0.38	ND	0.20	ND	0.48	TR	TR	0.98	TR	
4/15/98	Woodmoor	comp	lower	TR	2.92	79.25	22.50	1.95	ND	4.16	TR	2.39	ND	3.04	0.33	ND	6.92	TR	
4/15/98	Woodmoor	no-comp	upper	TR	23.55	6.29	10.66	4.15	ND	2.25	TR	0.21	ND	1.04	0.35	0.16	11.26	TR	
4/15/98	Woodmoor	comp	upper	TR	1.00	84.21	18.17	1.34	ND	5.09	TR	1.41	ND	3.89	0.23	0.45	5.36	TR	
4/15/98	Timbercrest	no-comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
4/15/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
4/15/98	Timbercrest	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
4/15/98	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
4/15/98	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

Table G-1. Observed Water Quality of Collected Samples from Compost-Amended Soil and Soil Sites (Continued)

			quantification limit	0.03	0.010	0.010	0.03	0.010	0.010	0.03	0.04	0.02	0.10	0.10	0.17	0.003	0.03	0.007	0.02
			detection limit	0.01	0.003	0.003	0.01	0.003	0.003	0.01	0.01	0.01	0.03	0.03	0.05	0.001	0.01	0.002	0.01
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	PO4-P	Hydr P	TOT-P	NH4-N	NO2-N	NO3-N	TOT-N	Cl	SO4-S	Al	As	B	Ba	Ca	Cd	Cr
5/28/98	Urban Hort	precip	precip	0.07	0.00	TR	TR	ND		2.41	1.34	0.43	ND	ND	ND	TR	0.94	TR	TR
5/28/98	Urban Hort	no-comp	lower	0.46	0.41	0.61	0.01	ND	3.01	3.12	5.74	0.82	1.34	ND	ND	0.01	5.13	TR	TR
5/28/98	Urban Hort	comp	lower	1.73	1.85	2.59	1.51	ND	11.50	8.76	13.05	1.42	TR	ND	ND	0.02	10.44	TR	TR
5/28/98	Urban Hort	no-comp	lower	0.73	0.78	0.98	0.05	ND	8.78	3.86	1.97	0.58	ND	ND	ND	0.01	19.91	TR	TR
5/28/98	Urban Hort	comp	lower	1.60	2.87	1.77	1.38	ND	2.08	7.05	2.19	0.95	ND	TR	ND	ND	6.66	TR	TR
5/28/98	Urban Hort	no-comp	upper	0.38	0.35	0.60	1.96	ND	1.39	6.99	4.94	0.53	2.56	ND	ND	0.02	3.31	TR	TR
5/28/98	Urban Hort	comp	upper	5.24	6.34	8.16	19.10	ND	17.01	31.14	17.80	2.79	TR	ND	ND	0.04	16.36	TR	TR
5/28/98	Urban Hort	no-comp	upper	0.51	0.47	0.58	0.13	ND	3.48	7.62	2.94	0.50	ND	ND	ND	0.01	5.29	TR	TR
5/28/98	Urban Hort	comp	upper	2.55	2.88	4.18	2.59	ND	2.29	13.07	16.04	1.66	ND	ND	ND	TR	22.14	TR	TR
5/28/98	Woodmoor	no-comp	lower	ND	ND	ND	0.03	ND	ND	0.69	3.68	6.75	TR	ND	ND	0.02	11.75	TR	TR
5/28/98	Woodmoor	comp	lower	1.23	1.45	1.88	ND	ND	ND	3.58	0.37	3.51	ND	ND	TR	0.02	60.47	TR	0.05
5/28/98	Woodmoor	no-comp	upper	ND	TR	TR	0.07	ND	ND	1.65	1.50	2.91	ND	TR	ND	0.04	63.40	TR	0.05
5/28/98	Woodmoor	comp	upper	1.56	1.33	1.87	0.04	ND	ND	3.38	2.20	3.95	ND	TR	TR	0.02	60.76	TR	0.05
5/28/98	Timbercrest	no-comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/28/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/28/98	Timbercrest	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/28/98	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/28/98	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

			quantification limit	0.013	0.07	1.33	0.13	0.003	0.023	0.33	0.010	0.13	0.10	0.10	0.10	0.007	0.07	0.01
			detection limit	0.004	0.02	0.40	0.04	0.001	0.007	0.10	0.003	0.04	0.03	0.03	0.03	0.002	0.02	0.00
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Se	Zn	Si	Ag
5/28/98	Urban Hort	precip	precip	ND	TR	3.81	0.22	ND	ND	0.58	ND	TR	ND	0.78	TR	ND	TR	ND
5/28/98	Urban Hort	no-comp	lower	TR	0.43	12.69	1.90	ND	ND	4.78	ND	0.61	ND	1.49	TR	0.18	4.66	ND
5/28/98	Urban Hort	comp	lower	0.02	0.24	40.54	3.45	ND	ND	1.97	ND	2.59	ND	2.85	TR	TR	3.47	ND
5/28/98	Urban Hort	no-comp	lower	TR	TR	6.92	7.37	ND	ND	5.83	ND	0.98	ND	1.18	TR	ND	12.92	ND
5/28/98	Urban Hort	comp	lower	0.02	0.36	12.62	1.78	0.01	ND	1.34	ND	1.77	ND	1.67	TR	TR	2.48	ND
5/28/98	Urban Hort	no-comp	upper	TR	0.69	16.03	1.33	TR	ND	5.14	ND	0.60	ND	1.52	TR	0.28	7.83	ND
5/28/98	Urban Hort	comp	upper	0.02	0.18	48.14	4.16	0.52	ND	2.26	ND	8.16	ND	4.74	TR	0.40	1.77	ND
5/28/98	Urban Hort	no-comp	upper	TR	0.11	11.73	2.10	ND	ND	1.65	ND	0.58	ND	1.03	TR	0.12	2.08	ND
5/28/98	Urban Hort	comp	upper	0.05	0.33	45.87	3.70	0.11	ND	8.84	ND	4.18	ND	3.79	TR	0.12	3.55	ND
5/28/98	Woodmoor	no-comp	lower	ND	0.17	5.11	1.37	TR	ND	3.69	ND	ND	ND	8.23	TR	0.17	3.53	ND
5/28/98	Woodmoor	comp	lower	TR	0.12	44.11	20.25	0.06	ND	2.86	ND	1.88	ND	4.99	TR	ND	5.26	ND
5/28/98	Woodmoor	no-comp	upper	TR	0.31	7.18	11.33	9.26	ND	2.15	TR	TR	ND	3.89	0.25	TR	11.99	ND
5/28/98	Woodmoor	comp	upper	TR	0.12	45.33	20.38	0.06	ND	2.93	ND	1.87	ND	5.07	0.25	TR	5.28	ND
5/28/98	Timbercrest	no-comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/28/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/28/98	Timbercrest	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/28/98	Timbercrest	comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/28/98	Woodmoor	precip	precip	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

Table G-1. Observed Water Quality of Collected Samples from Compost-Amended Soil and Soil Sites (Continued)

			quantification limit	0.03	0.010	0.010	0.03	0.010	0.010	0.03	0.04	0.02	0.10	0.10	0.17	0.003	0.03	0.007	0.02
			detection limit	0.01	0.003	0.003	0.01	0.003	0.003	0.01	0.01	0.01	0.03	0.03	0.05	0.001	0.01	0.002	0.01
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	PO4-P	Hydr P	TOT-P	NH4-N	NO2-N	NO3-N	TOT-N	Cl	SO4-S	Al	As	B	Ba	Ca	Cd	Cr
6/26/98	Urban Hort	precip	precip	TR	TR	TR	ND	ND	0.01	1.36	1.21	0.31	ND	ND	ND	TR	0.17	ND	ND
6/26/98	Urban Hort	no-comp	lower	1.35	0.80	1.46	0.87	ND	10.50	3.40	8.43	1.33	0.38	ND	ND	0.02	5.72	ND	ND
6/26/98	Urban Hort	comp	lower	6.56	6.38	7.85	ND	ND	14.50	15.12	18.50	2.84	ND	ND	ND	0.03	18.16	ND	ND
6/26/98	Urban Hort	no-comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/26/98	Urban Hort	comp	lower	8.42	8.66	9.66	5.53	ND	74.20	11.22	30.17	12.35	ND	ND	ND	TR	139.53	ND	ND
6/26/98	Urban Hort	no-comp	upper	1.51	1.14	1.54	0.34	ND	4.50	2.40	11.74	1.06	0.78	ND	ND	0.02	5.17	ND	ND
6/26/98	Urban Hort	comp	upper	6.99	6.36	8.20	ND	ND	11.60	2.63	16.40	3.01	ND	ND	ND	0.02	9.36	ND	ND
6/26/98	Urban Hort	no-comp	upper	3.77	3.72	4.49	1.62	ND	11.85	4.79	11.45	1.39	ND	ND	ND	0.01	10.04	ND	ND
6/26/98	Urban Hort	comp	upper	4.93	4.74	5.99	0.04	ND	7.63	6.16	17.29	2.23	ND	ND	ND	0.01	11.11	ND	ND
6/26/98	Woodmoor	no-comp	lower	ND	ND	ND	0.03	ND	3.69	1.37	0.24	3.48	ND	ND	ND	0.06	84.05	ND	ND
6/26/98	Woodmoor	comp	lower	0.84	0.94	0.97	0.25	ND	0.12	1.69	1.81	1.50	TR	ND	ND	0.01	20.12	ND	ND
6/26/98	Woodmoor	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/26/98	Woodmoor	comp	upper	1.08	1.80	2.02	ND	ND	0.34	2.15	2.51	1.54	ND	ND	TR	0.01	54.38	ND	ND
6/26/98	Timbercrest	no-comp	lower	0.33	0.21	0.30	1.00	ND	1.55	1.00	5.38	3.17	ND	ND	ND	0.02	6.22	ND	ND
6/26/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/26/98	Timbercrest	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/26/98	Timbercrest	comp	upper	124.80	15.49	125.22	360.00	ND	1.68	479.42	ND	223.00	1.28	ND	ND	0.21	74.05	ND	ND
6/26/98	Woodmoor	precip	precip	0.04	ND	ND	0.18	ND	0.24	0.38	1.32	0.53	ND	ND	ND	TR	0.80	ND	ND

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

			quantification limit	0.013	0.07	1.33	0.13	0.003	0.023	0.33	0.010	0.13	0.10	0.10	0.10	0.007	0.07	0.01
			detection limit	0.004	0.02	0.40	0.04	0.001	0.007	0.10	0.003	0.04	0.03	0.03	0.03	0.002	0.02	0.00
				mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Date	Site	tmt	type	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	S	Se	Zn	Si	Ag
6/26/98	Urban Hort	precip	precip	ND	ND	5.50	ND	ND	ND	0.52	ND	TR	ND	0.44	ND	TR	ND	TR
6/26/98	Urban Hort	no-comp	lower	ND	ND	16.83	1.59	ND	ND	7.76	ND	1.46	ND	1.65	ND	0.41	0.70	ND
6/26/98	Urban Hort	comp	lower	ND	ND	54.99	5.06	ND	ND	2.75	ND	7.85	ND	4.22	ND	TR	3.24	ND
6/26/98	Urban Hort	no-comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/26/98	Urban Hort	comp	lower	ND	ND	41.50	16.81	2.19	ND	13.48	ND	9.66	ND	14.17	ND	0.13	11.96	TR
6/26/98	Urban Hort	no-comp	upper	ND	ND	22.90	1.57	ND	ND	6.00	ND	1.54	ND	1.52	ND	0.35	2.75	ND
6/26/98	Urban Hort	comp	upper	ND	ND	48.74	3.24	ND	ND	2.29	ND	8.20	ND	4.08	ND	0.37	0.89	ND
6/26/98	Urban Hort	no-comp	upper	ND	ND	30.90	1.84	ND	ND	2.94	ND	4.49	ND	1.91	ND	0.17	0.80	ND
6/26/98	Urban Hort	comp	upper	ND	ND	50.04	2.47	ND	ND	3.44	ND	5.99	ND	3.32	ND	0.13	1.73	ND
6/26/98	Woodmoor	no-comp	lower	ND	ND	14.90	14.28	ND	ND	4.65	ND	ND	ND	4.43	ND	ND	18.21	TR
6/26/98	Woodmoor	comp	lower	ND	ND	10.08	2.57	ND	ND	4.16	ND	0.97	ND	2.07	ND	TR	4.35	TR
6/26/98	Woodmoor	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/26/98	Woodmoor	comp	upper	ND	ND	26.13	14.97	ND	ND	4.05	ND	2.02	ND	3.34	ND	TR	5.17	TR
6/26/98	Timbercrest	no-comp	lower	ND	ND	10.39	0.44	ND	ND	1.95	ND	0.30	ND	3.34	ND	0.12	0.89	ND
6/26/98	Timbercrest	comp	lower	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/26/98	Timbercrest	no-comp	upper	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
6/26/98	Timbercrest	comp	upper	ND	0.09	361.08	11.23	ND	ND	13.97	ND	125.22	ND	356.25	ND	0.14	6.25	TR
6/26/98	Woodmoor	precip	precip	ND	ND	3.88	ND	ND	ND	1.32	ND	ND	ND	0.45	ND	0.19	ND	ND

ND = below detection limit, TR = between detection and quantification limits, NS = no solution collected

Table G-2. Particle Size and Toxicity Analyses of Water Samples

			Particle Size (mm) by Percentile			
Sample Location	**Sample Date**	**Sample Type**	**10th Percentile**	**50th Percentile**	**90th Percentile**	**Toxicity (% light reduction)**
Rainfall	February 20, 1998	Precipitation	na	na	na	22
	April 4, 1998	Precipitation	na	na	na	36
	March 15, 1998	Precipitation	2.32	13.15	31.0	23
	April 20, 1998	Precipitation	2.15	7.42	51.5	5
	May 28, 1998	Precipitation	1.75	16.82	78.7	24
	June 30, 1998	Precipitation	10.15	52.08	85.9	na
UH-1 (CUH, UW, Alderwood soil A)	January 4, 1998	Surface	1.21	3.23	41.4	33
		Subsurface	1.55	3.95	18.5	10
	February 20, 1998	Surface	na	na	na	39
		Subsurface	3.24	14.07	27.2	15
	March 15, 1998	Surface	1.25	3.05	36.9	29
		Subsurface	2.07	8.01	40.1	21
	April 20, 1998	Surface	1.54	4.03	38.3	22
		Subsurface	na	na	na	19
	May 28, 1998	Surface	1.67	3.39	46.1	na
		Subsurface	1.95	15.39	87.2	12
	June 30, 1998	Surface	1.63	17.96	48.2	19
UH-2 (CUH, UW, Alderwood soil A, plus Cedar Grove compost)	January 4, 1998	Surface	1.81	6.85	29.6	25
		Subsurface	1.53	4.35	25.9	10
	February 20, 1998	Surface	2.63	23.5	97.5	29
		Subsurface	1.67	4.99	20.5	17
	March 15, 1998	Surface	3.79	15.51	47.3	31
		Subsurface	1.81	5.22	27.6	18
	April 20, 1998	Surface	2.52	9.19	38.5	18
		Subsurface	2.92	14.3	53.5	10
	May 28, 1998	Subsurface	3.57	18.85	98.0	2
	June 30, 1998	Surface	2.36	27.11	56.3	nd
		Subsurface	5.04	25.78	87.2	nd
UH-5 (CUH, UW, Alderwood soil B)	January 4, 1998	Surface	2.26	6.30	25.7	9
		Subsurface	2.45	7.39	18.4	19
	February 20, 1998	Surface	2.30	7.95	27.1	21
		Subsurface	2.61	8.08	28.0	nd
	March 15, 1998	Surface	3.24	12.48	34.0	17
		Subsurface	6.19	20.78	80.2	14
	April 20, 1998	Surface	4.42	15.85	45.1	25
		Subsurface	3.86	19.25	47.3	17
	May 28, 1998	Surface	2.89	8.22	37.3	13
	June 30, 1998	Surface	na	na	na	nd
		Subsurface	3.62	18.14	46.9	na

Table G-2. Particle Size and Toxicity Analyses of Water Samples (Continued)

			Particle Size (mm) by Percentile			
Sample Location	**Sample Date**	**Sample Type**	**10th Percentile**	**50th Percentile**	**90th Percentile**	**Toxicity (% light reduction)**
CUH, UW, Alderwood soil B, plus GroCo compost (UH-6)	January 4, 1998	Surface	2.31	9.32	21.8	48
		Subsurface	3.82	12.19	25.9	35
	February 20, 1998	Surface	2.21	7.01	31.2	18
		Subsurface	2.23	8.79	43.6	nd
	March 15, 1998	Surface	4.31	13.95	52.5	12
		Subsurface	2.45	8.92	32.4	1
	April 20, 1998	Surface	3.81	15.77	44.4	12
	May 28, 1998	Surface	2.17	11.29	44.4	18
	June 30, 1998	Surface	2.59	24.02	54.1	6
Timbercrest, Alderwod soil C (TC – no compost)	January 4, 1998	Subsurface	2.07	8.78	29.6	32
	February 20, 1998	Surface	1.57	5.17	33.9	13
		Subsurface	2.06	7.43	33.5	na
	March 15, 1998	Surface	5.48	27.45	50.9	na
		Subsurface	4.27	30.98	60.9	9
	June 30, 1998	Surface	5.77	11.51	46.1	nd
		Subsurface	3.61	28.67	49.4	4
Woodmoor, Alderwood soil D, with Cedar Grove compost (WM – Compost)	January 4, 1998	Subsurface	1.94	16.1	44.8	97
	February 20, 1998	Surface	2.67	14.39	45.9	23
		Subsurface	1.58	5.88	19.3	26
	March 15, 1998	Surface	2.19	17.46	88.2	9
		Subsurface	4.64	23.94	75.5	15
	April 20, 1998	Surface	na	na	na	1
		Subsurface	6.95	19.35	58.5	2
	May 28, 1998	Surface	3.32	15.48	35.3	nd
		Subsurface	8.57	28.45	74.1	na
	June 30, 1998	Surface	2.59	16.14	46.0	nd
		Subsurface	3.42	31.32	49.5	nd
Woodmore, Alderwood soil D (WM – No Compost)	February 20, 1998	Surface	na	na	na	74
		Subsurface	4.31	10.86	27.2	3
	April 20, 1998	Surface	na	na	na	12
		Subsurface	2.82	8.53	26.4	11
	May 28, 1998	Surface	8.78	47.32	117.6	11
		Subsurface	2.89	13.33	36.9	12

Table G-3. Comparison of Individual Test Plot Surface Runoff with Subsurface Flow Water Quality Data (significant differences, at a £ 0.1 are shown in bold)

Description		PO4-P	TP	NH4-N	NO3-N	TN	Cl	SO4-S	Al	Ca	Cu	Fe	K
group 1	average	0.02	0.01	0.02	0.59	1.63	1.36	1.17	2.50	5.06	0.01	1.48	2.50
Surface runoff	st dev	0.00	0.01	0.03	0.67	0.23	1.27	1.34	0.33	4.92	0.01	0.21	2.82
soil C	COV	0.00	1.41	1.41	1.13	0.14	0.93	1.15	0.13	0.97	1.41	0.14	1.13
Timbercrest	min	0.02	0.00	0.00	0.12	1.46	0.46	0.22	2.26	1.58	0.00	1.33	0.50
	max	0.02	0.01	0.04	1.06	1.79	2.25	2.11	2.73	8.54	0.01	1.63	4.49
	count	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
group 2	average	0.05	0.53	0.01	0.54	2.54	1.00	4.24	11.06	35.36	0.01	6.76	4.53
Subsurface flows	st dev	0.04	0.25	0.01	0.37	1.13	0.54	0.13	6.21	8.00	0.00	3.01	1.64
soil C	COV	0.79	0.47	1.41	0.68	0.45	0.55	0.03	0.56	0.23	0.00	0.45	0.36
Timbercrest	min	0.02	0.35	0.00	0.28	1.74	0.61	4.15	6.67	29.70	0.01	4.63	3.37
	max	0.07	0.70	0.02	0.80	3.34	1.38	4.33	15.45	41.02	0.01	8.89	5.69
	count	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
ratio of group 2 to group 1 averages		2.25	105.00	0.50	0.91	1.56	0.73	3.64	4.43	6.99	2.00	4.57	1.82
Kurskall-Wallis probability that averages are the same:		0.32	0.12	0.68	1.00	0.44	1.00	0.12	0.12	0.12	0.32	0.12	0.44

Description		PO4-P	TP	NH4-N	NO3-N	TN	Cl	SO4-S	Al	Ca	Cu	Fe	K
group 3	average	0.58	0.80	1.56	1.71	3.68	3.86	0.85	26.38	4.59	0.00	6.18	7.84
Surface runoff	st dev	0.48	0.37	1.47	1.62	2.75	3.78	0.28	26.48	1.20	0.01	5.83	8.23
soil A	COV	0.82	0.46	0.94	0.95	0.75	0.98	0.33	1.00	0.26	1.25	0.94	1.05
CUH (UW)	min	0.10	0.44	0.30	0.02	0.76	1.44	0.53	0.78	2.97	0.00	0.00	1.73
	max	1.51	1.54	3.72	4.50	6.99	11.74	1.34	69.00	6.47	0.01	15.54	22.90
	count	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
group 4	average	0.29	0.32	0.29	1.94	1.71	3.05	0.32	1.02	7.33	0.00	0.52	5.62
subsurface flows	st dev	0.50	0.55	0.42	3.94	1.23	3.01	0.54	1.04	2.08	0.00	0.55	6.40
soil A	COV	1.71	1.72	1.44	2.03	0.72	0.99	1.69	1.01	0.28	1.71	1.07	1.14
CUH (UW)	min	0.00	0.00	0.01	0.00	0.20	0.16	0.00	0.00	5.13	0.00	0.00	0.50
	max	1.35	1.46	0.95	10.50	3.40	8.43	1.33	2.67	9.74	0.01	1.39	16.83
	count	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
ratio of group 4 to group 3 averages		**0.50**	**0.40**	**0.19**	1.13	0.47	0.79	**0.38**	**0.04**	**1.60**	0.67	**0.08**	0.72
Kurskall-Wallis probability that averages are the same:		**0.083**	**0.047**	**0.025**	0.14	0.18	0.57	**0.063**	**0.009**	**0.015**	0.59	**0.041**	0.18

Table G-3. Comparison of Individual Test Plot Surface Runoff with Subsurface Flow Water Quality Data (significant differences, at a £ 0.1 are shown in bold) (Continued)

Description		Mg	Mn	Na	S	Zn	Si	10th size	50th size	90th size	toxicity
group 1	average	0.94	0.05	1.72	1.36	0.00	3.99	3.53	16.31	42.40	13.00
Surface runoff	st dev	0.47	0.02	1.62	1.46	0.00	0.22	2.76	15.75	12.02	na
soil C	COV	0.50	0.47	0.94	1.07	1.41	0.06	0.78	0.97	0.28	na
Timbercrest	min	0.61	0.03	0.57	0.33	0.00	3.83	1.57	5.17	33.90	13.00
	max	1.27	0.06	2.86	2.39	0.00	4.14	5.48	27.45	50.90	13.00
	count	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00
group 2	average	3.73	0.34	1.84	4.03	0.00	12.17	3.17	19.21	47.20	9.00
Subsurface flows	st dev	0.83	0.32	0.53	1.23	0.00	8.78	1.56	16.65	19.37	na
soil C	COV	0.22	0.95	0.29	0.31	0.00	0.72	0.49	0.87	0.41	na
Timbercrest	min	3.14	0.11	1.46	3.16	0.00	5.96	2.06	7.43	33.50	9.00
	max	4.31	0.56	2.21	4.90	0.00	18.38	4.27	30.98	60.90	9.00
	count	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.00
ratio of group 2 to group 1 averages		3.96	7.44	1.07	2.96	2.00	3.05	0.90	1.18	1.11	0.69
Kurskall-Wallis probability that averages are the same:		0.12	0.12	1.00	0.12	0.32	0.12	1.00	0.44	1.00	0.32

Description		Mg	Mn	Na	S	Zn	Si	10th size	50th size	90th size	toxicity
group 3	average	4.20	0.04	7.51	1.38	0.38	59.66	1.46	6.33	42.18	28.40
Surface runoff	st dev	3.21	0.04	2.95	0.47	0.10	62.80	0.22	6.51	4.88	8.11
soil A	COV	0.77	1.02	0.39	0.34	0.26	1.05	0.15	1.03	0.12	0.29
CUH (UW)	min	1.33	0.00	3.73	0.64	0.28	1.48	1.21	3.05	36.90	19.00
	max	9.51	0.12	11.73	2.17	0.57	159.03	1.67	17.96	48.20	39.00
	count	7.00	7.00	7.00	7.00	7.00	7.00	5.00	5.00	5.00	5.00
group 4	average	3.59	0.01	4.21	0.60	0.09	8.00	2.20	10.36	43.25	15.40
subsurface flows	st dev	1.55	0.02	1.75	0.67	0.16	3.93	0.73	5.34	30.61	4.62
soil A	COV	0.43	1.32	0.42	1.11	1.83	0.49	0.33	0.52	0.71	0.30
CUH (UW)	min	1.59	0.00	2.43	0.13	0.00	0.70	1.55	3.95	18.50	10.00
	max	5.40	0.04	7.76	1.65	0.41	11.54	3.24	15.39	87.20	21.00
	count	7.00	7.00	7.00	7.00	7.00	7.00	4.00	4.00	4.00	5.00
ratio of group 4 to group 3 averages		0.86	0.27	**0.56**	**0.43**	**0.23**	0.13	**1.51**	1.64	1.03	**0.54**
Kurskall-Wallis probability that averages are the same:		0.95	0.14	**0.018**	**0.064**	**0.012**	0.34	**0.05**	0.22	0.46	**0.021**

Table G-3. Comparison of Individual Test Plot Surface Runoff with Subsurface Flow Water Quality Data (significant differences, at a £ 0.1 are shown in bold) (Continued)

Description		PO4-P	TP	NH4-N	NO3-N	TN	Cl	SO4-S	Al	Ca	Cu	Fe	K
group 5	average	2.20	2.88	5.10	5.09	7.99	6.00	1.33	0.45	4.61	0.01	0.33	16.85
surface runoff	st dev	2.74	3.63	6.59	6.69	10.53	7.63	1.10	0.63	6.00	0.01	0.47	21.60
soil A and CG	COV	1.25	1.26	1.29	1.31	1.32	1.27	0.82	1.40	1.30	0.81	1.42	1.28
CUH (UW)	min	0.21	0.28	0.00	0.09	1.53	0.77	0.37	0.00	0.87	0.00	0.00	2.33
	max	6.99	8.20	19.10	17.01	31.14	17.80	3.01	1.69	16.36	0.02	1.36	48.74
	count	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
group 6	average	1.38	1.87	0.25	4.32	5.24	4.93	1.55	5.12	20.11	0.02	3.16	26.01
subsurface flows	st dev	2.35	2.75	0.56	6.07	5.07	7.59	0.96	4.68	5.06	0.01	2.61	15.51
soil A and CG	COV	1.71	1.47	2.20	1.41	0.97	1.54	0.62	0.91	0.25	0.50	0.83	0.60
CUH (UW)	min	0.10	0.44	0.00	0.04	0.71	0.10	0.34	0.00	10.44	0.00	0.00	14.65
	max	6.56	7.85	1.51	14.50	15.12	18.50	2.84	11.16	24.34	0.03	6.21	54.99
	count	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
ratio of group 6 to group 5 averages		0.63	0.65	**0.05**	0.85	0.66	0.82	1.16	**11.31**	**4.36**	**2.50**	**9.56**	1.54
Kurskall-Wallis probability that averages are the same:		0.25	0.34	**0.029**	0.65	0.66	0.23	0.75	**0.071**	**0.003**	**0.025**	**0.063**	0.11

Description		PO4-P	TP	NH4-N	NO3-N	TN	Cl	SO4-S	Al	Ca	Cu	Fe	K
group 7	average	0.18	0.34	0.13	0.99	2.15	1.51	0.23	0.79	5.52	0.01	0.75	4.78
Surface runoff	st dev	0.19	0.32	0.11	1.30	2.72	0.84	0.14	0.92	0.29	0.01	0.59	3.73
soil B	COV	1.06	0.95	0.90	1.31	1.26	0.56	0.63	1.16	0.05	1.10	0.79	0.78
CUH (UW)	min	0.00	0.01	0.01	0.03	0.70	0.57	0.08	0.00	5.22	0.00	0.11	0.50
	max	0.51	0.87	0.32	3.48	7.62	2.94	0.50	2.08	5.92	0.01	1.65	11.73
	count	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
group 8	average	0.16	0.98	0.09	1.50	2.01	1.20	0.14	0.29	14.63	0.01	1.67	3.78
subsurface flows	st dev	0.29	1.82	0.08	3.57	1.86	0.68	0.22	0.43	6.49	0.02	3.30	1.84
soil B	COV	1.88	1.86	0.94	2.38	0.93	0.57	1.55	1.49	0.44	1.92	1.98	0.49
CUH (UW)	min	0.00	0.00	0.02	0.00	0.35	0.45	0.00	0.00	6.88	0.00	0.03	1.51
	max	0.73	4.60	0.23	8.78	4.58	1.97	0.58	0.88	21.90	0.04	8.37	6.92
	count	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
ratio of group 8 to group 7 averages		0.88	2.88	0.67	1.52	0.93	0.79	**0.63**	0.36	**2.65**	1.67	2.24	0.79
Kurskall-Wallis probability that averages are the same:		0.37	0.87	0.63	0.11	0.63	0.63	**0.078**	0.22	**0.004**	0.78	0.52	0.52

Table G-3. Comparison of Individual Test Plot Surface Runoff with Subsurface Flow Water Quality Data (significant differences, at a £ 0.1 are shown in bold) (Continued)

Description		Mg	Mn	Na	S	Zn	Si	10th size	50th size	90th size	toxicity
group 5	average	1.40	0.09	1.27	1.90	0.17	1.27	2.62	16.43	53.84	20.80
surface runoff	st dev	1.60	0.19	0.71	1.75	0.17	0.70	0.73	8.79	26.35	12.13
soil A and CG	COV	1.14	2.11	0.56	0.92	0.99	0.55	0.28	0.53	0.49	0.58
CUH (UW)	min	0.37	0.00	0.58	0.54	0.00	0.03	1.81	6.85	29.60	1.00
	max	4.16	0.52	2.29	4.74	0.40	1.99	3.79	27.11	97.50	31.00
	count	7.00	7.00	7.00	7.00	7.00	7.00	5.00	5.00	5.00	5.00
group 6	average	6.47	0.05	2.06	2.79	0.01	14.86	2.76	12.25	52.12	9.67
subsurface flows	st dev	1.69	0.04	0.37	1.09	0.02	10.63	1.38	8.89	33.54	7.17
soil A and CG	COV	0.26	0.86	0.18	0.39	1.83	0.72	0.50	0.73	0.64	0.74
CUH (UW)	min	3.45	0.00	1.70	1.51	0.00	3.24	1.53	4.35	20.50	1.00
	max	8.11	0.10	2.75	4.22	0.05	28.11	5.04	25.78	98.00	18.00
	count	7.00	7.00	7.00	7.00	7.00	7.00	6.00	6.00	6.00	6.00
ratio of group 6 to group 5 averages		**4.62**	0.55	**1.62**	1.46	**0.06**	**11.72**	1.05	0.75	0.97	**0.46**
Kurskall-Wallis probability that averages are the same:		**0.003**	0.61	**0.064**	0.14	**0.028**	**0.002**	0.78	0.27	0.58	**0.098**

Description		Mg	Mn	Na	S	Zn	Si	10th size	50th size	90th size	toxicity
group 7	average	2.95	0.01	1.91	0.54	0.03	5.11	3.02	10.16	33.84	17.00
Surface runoff	st dev	0.42	0.02	0.46	0.24	0.05	2.20	0.88	3.91	7.91	6.32
soil B	COV	0.14	1.20	0.24	0.45	1.58	0.43	0.29	0.39	0.23	0.37
CUH (UW)	min	2.10	0.00	1.12	0.36	0.00	2.08	2.26	6.30	25.70	9.00
	max	3.26	0.04	2.32	1.03	0.12	7.85	4.42	15.85	45.10	25.00
	count	6.00	6.00	6.00	6.00	6.00	6.00	5.00	5.00	5.00	5.00
group 8	average	7.22	0.02	3.87	0.58	0.00	10.94	3.78	13.88	43.48	12.75
subsurface flows	st dev	2.99	0.02	1.64	0.48	0.01	4.68	1.73	7.12	27.27	8.10
soil B	COV	0.41	1.13	0.42	0.81	2.09	0.43	0.46	0.51	0.63	0.64
CUH (UW)	min	4.27	0.00	2.01	0.13	0.00	5.16	2.45	7.39	18.40	1.00
	max	12.84	0.04	5.93	1.19	0.02	17.33	6.19	20.78	80.20	19.00
	count	6.00	6.00	6.00	6.00	6.00	6.00	4.00	4.00	4.00	4.00
ratio of group 8 to group 7 averages		**2.44**	1.14	**2.03**	1.08	**0.13**	**2.14**	1.25	1.37	1.28	0.75
Kurskall-Wallis probability that averages are the same:		**0.004**	0.68	**0.016**	0.42	**0.042**	**0.037**	0.46	0.46	0.62	0.54

Table G-3. Comparison of Individual Test Plot Surface Runoff with Subsurface Flow Water Quality Data (significant differences, at a £ 0.1 are shown in bold) (Continued)

Description		PO4-P	TP	NH4-N	NO3-N	TN	Cl	SO4-S	Al	Ca	Cu	Fe	K
group 9	average	1.92	2.77	0.54	2.42	4.21	5.91	0.81	0.72	11.69	0.04	1.97	15.97
surface runoff	st dev	1.47	1.82	0.92	2.66	4.33	7.37	0.82	0.77	8.37	0.03	2.23	21.93
soil B and GroCo	COV	0.77	0.66	1.72	1.10	1.03	1.25	1.02	1.07	0.72	0.90	1.13	1.37
CUH (UW)	min	0.62	0.80	0.03	0.00	0.92	1.01	0.10	0.00	1.94	0.00	0.00	0.50
	max	4.93	5.99	2.59	7.63	13.07	17.29	2.23	1.95	23.08	0.09	5.22	50.04
	count	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
group 10	average	2.41	2.99	1.08	11.53	4.03	6.37	2.34	0.39	30.63	0.03	2.21	9.24
subsurface flows	st dev	2.66	3.10	2.02	27.68	3.75	10.60	4.49	0.62	48.16	0.03	1.89	14.81
soil B and GroCo	COV	1.10	1.04	1.87	2.40	0.93	1.66	1.91	1.58	1.57	0.94	0.86	1.60
CUH (UW)	min	1.08	0.00	0.02	0.00	0.90	0.40	0.03	0.00	6.66	0.00	0.00	0.50
	max	8.42	9.66	5.53	74.20	11.22	30.17	12.35	1.31	139.53	0.08	4.51	41.50
	count	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00
ratio of group 10 to group 9 averages		1.26	1.08	2.02	4.76	0.96	1.08	2.90	0.54	2.62	0.85	1.12	0.58
Kurskall-Wallis probability that averages are the same:		0.85	0.95	0.90	0.48	0.95	0.75	0.95	0.74	0.41	0.74	0.80	0.34

Description		PO4-P	TP	NH4-N	NO3-N	TN	Cl	SO4-S	Al	Ca	Cu	Fe	K
group 11	average	0.06	0.42	0.27	0.02	1.48	1.86	0.79	4.56	31.06	0.01	8.43	3.91
surface runoff	st dev	0.08	0.67	0.39	0.04	0.72	1.11	1.20	5.78	26.79	0.00	9.36	2.88
soil D	COV	1.30	1.58	1.46	1.58	0.48	0.59	1.52	1.27	0.86	0.00	1.11	0.74
Woodmoor	min	0.00	0.00	0.03	0.00	0.58	0.32	0.03	0.00	6.56	0.01	0.31	0.50
	max	0.18	1.59	0.95	0.09	2.22	3.24	2.91	12.93	63.40	0.01	23.55	7.18
	count	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
group 12	average	0.07	0.09	0.39	0.00	1.70	2.63	1.50	0.74	24.66	0.01	5.79	4.34
subsurface flows	st dev	0.09	0.11	0.24	0.01	0.98	1.33	2.94	0.99	15.02	0.01	7.04	1.13
soil D	COV	1.37	1.26	0.60	1.37	0.58	0.51	1.95	1.34	0.61	0.91	1.22	0.26
Woodmoor	min	0.00	0.00	0.03	0.00	0.65	0.53	0.03	0.05	6.69	0.00	0.17	2.51
	max	0.18	0.21	0.68	0.01	2.85	3.70	6.75	2.20	40.15	0.01	16.51	5.39
	count	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
ratio of group 12 to group 11 averages		1.17	0.20	1.47	0.17	1.15	1.41	1.91	0.16	0.79	0.60	0.69	1.11
Kurskall-Wallis probability that averages are the same:		0.82	0.34	0.40	0.31	0.60	0.25	0.68	0.52	0.75	0.13	0.47	0.75

Table G-3. Comparison of Individual Test Plot Surface Runoff with Subsurface Flow Water Quality Data (significant differences, at a £ 0.1 are shown in bold) (Continued)

Description		Mg	Mn	Na	S	Zn	Si	10th size	50th size	90th size	toxicity
group 9	average	3.17	0.25	3.83	1.75	0.08	5.48	2.90	13.56	41.40	19.00
surface runoff	st dev	2.62	0.39	2.39	1.28	0.06	5.63	0.92	6.01	12.58	14.90
soil B and GroCo	COV	0.83	1.56	0.63	0.73	0.75	1.03	0.32	0.44	0.30	0.78
CUH (UW)	min	0.80	0.00	1.95	0.65	0.00	0.62	2.17	7.01	21.80	6.00
	max	8.12	1.00	8.84	3.79	0.14	15.70	4.31	24.02	54.10	48.00
	count	7.00	7.00	7.00	7.00	7.00	7.00	6.00	6.00	6.00	6.00
group 10	average	6.39	0.56	4.88	3.32	0.05	9.53	2.83	9.80	33.97	12.33
subsurface flows	st dev	4.91	0.81	5.12	4.91	0.07	6.06	0.86	2.08	8.95	19.63
soil B and GroCo	COV	0.77	1.43	1.05	1.48	1.42	0.64	0.30	0.21	0.26	1.59
CUH (UW)	min	1.78	0.01	1.02	0.30	0.00	0.62	2.23	8.42	25.90	1.00
	max	16.81	2.19	13.48	14.17	0.17	16.38	3.82	12.19	43.60	35.00
	count	7.00	7.00	7.00	7.00	7.00	7.00	3.00	3.00	3.00	3.00
ratio of group 10 to group 9 averages		2.02	2.25	1.27	1.90	0.61	1.74	0.98	0.72	0.82	0.65
Kurskall-Wallis probability that averages are the same:		0.11	0.44	0.57	0.75	0.33	0.25	0.80	0.30	0.30	0.30

Description		Mg	Mn	Na	S	Zn	Si	10th size	50th size	90th size	toxicity
group 11	average	5.84	2.92	1.74	1.28	0.23	11.26	8.78	47.32	117.60	32.33
surface runoff	st dev	4.78	3.90	0.65	1.49	0.42	3.01	na	na	na	36.09
soil D	COV	0.82	1.33	0.38	1.16	1.84	0.27	na	na	na	1.12
Woodmoor	min	1.14	0.21	0.76	0.32	0.00	6.96	8.78	47.32	117.60	11.00
	max	11.33	9.26	2.25	3.89	0.96	15.37	8.78	47.32	117.60	74.00
	count	5.00	5.00	5.00	5.00	5.00	5.00	1.00	1.00	1.00	3.00
group 12	average	4.97	1.46	2.24	2.21	0.06	6.33	3.34	10.91	30.17	8.67
subsurface flows	st dev	3.71	2.08	1.19	3.37	0.08	4.01	0.84	2.40	5.84	4.93
soil D	COV	0.75	1.42	0.53	1.53	1.36	0.63	0.25	0.22	0.19	0.57
Woodmoor	min	0.56	0.00	0.38	0.48	0.00	0.98	2.82	8.53	26.40	3.00
	max	8.39	4.74	3.69	8.23	0.17	10.34	4.31	13.33	36.90	12.00
	count	5.00	5.00	5.00	5.00	5.00	5.00	3.00	3.00	3.00	3.00
ratio of group 12 to group 11 averages		0.85	0.50	1.29	1.72	0.26	**0.56**	0.38	0.23	0.26	0.27
Kurskall-Wallis probability that averages are the same:		0.60	0.35	0.12	0.60	0.58	**0.047**	0.18	0.18	0.18	0.26

Table G-3. Comparison of Individual Test Plot Surface Runoff with Subsurface Flow Water Quality Data (significant differences, at a £ 0.1 are shown in bold) (Continued)

Description		PO4-P	TP	NH4-N	NO3-N	TN	Cl	SO4-S	Al	Ca	Cu	Fe	K
group 13	average	1.26	2.41	8.55	0.38	16.57	9.28	3.07	1.14	54.09	0.02	1.47	78.44
surface runoff	st dev	0.36	1.30	12.94	0.55	21.26	8.45	1.53	2.28	4.93	0.02	2.23	58.34
soil D and Cedar Grove	COV	0.29	0.54	1.51	1.46	1.28	0.91	0.50	2.00	0.09	1.27	1.52	0.74
compost	min	0.84	1.41	0.00	0.00	2.15	2.20	1.54	0.00	49.18	0.00	0.00	26.13
Woodmoor	max	1.56	4.32	27.36	1.17	47.60	19.53	4.75	4.56	60.76	0.05	4.75	158.10
	count	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
group 14	average	1.35	2.81	13.28	0.03	27.68	2.80	3.96	1.14	69.24	0.02	2.24	93.53
subsurface flows	st dev	0.59	2.21	20.83	0.06	41.99	4.21	4.31	2.22	46.31	0.02	2.80	102.08
soil D and Cedar Grove	COV	0.44	0.79	1.57	2.00	1.52	1.51	1.09	1.94	0.67	1.27	1.25	1.09
compost	min	0.84	0.97	0.00	0.00	1.69	0.00	0.64	0.00	20.12	0.00	0.00	10.08
Woodmoor	max	2.20	6.00	43.90	0.12	90.00	9.00	10.17	4.47	131.87	0.05	5.93	240.68
	count	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
ratio of group 14 to group 13 averages		1.07	1.17	1.55	0.08	1.67	**0.30**	1.29	1.00	1.28	1.00	1.53	1.19
Kurskall-Wallis probability that averages are the same:		0.88	0.77	0.66	0.32	0.77	**0.083**	0.56	0.44	0.39	1.00	0.77	0.77

Description		PO4-P	TP	NH4-N	NO3-N	TN	Cl	SO4-S	Al	Ca	Cu	Fe	K
group 15	average	0.06	0.06	0.18	0.09	1.22	1.00	0.40	0.00	0.41	0.00	0.04	2.64
rainfall	st dev	0.13	0.14	0.15	0.09	0.70	0.30	0.14	0.00	0.30	0.00	0.08	1.67
	COV	2.11	2.61	0.84	0.94	0.58	0.30	0.35	na	0.73	2.83	1.98	0.63
	min	0.00	0.00	0.00	0.00	0.38	0.61	0.22	0.00	0.17	0.00	0.00	0.20
	max	0.39	0.41	0.45	0.24	2.41	1.34	0.64	0.00	0.94	0.01	0.24	5.50
	count	8.00	8.00	8.00	7.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

Table G-3. Comparison of Individual Test Plot Surface Runoff with Subsurface Flow Water Quality Data (significant differences, at a £ 0.1 are shown in bold) (Continued)

Description		Mg	Mn	Na	S	Zn	Si	10th size	50th size	90th size	toxicity
group 13	average	17.89	1.01	5.69	5.02	0.17	6.95	2.86	15.34	42.40	6.50
surface runoff	st dev	2.22	1.24	3.44	1.98	0.21	3.36	0.40	0.88	6.15	11.00
soil D and Cedar Grove compost	COV	0.12	1.24	0.61	0.39	1.26	0.48	0.14	0.06	0.15	1.69
Woodmoor	min	14.97	0.00	2.93	3.34	0.00	5.17	2.59	14.39	35.30	1.00
	max	20.38	2.62	10.68	7.78	0.45	11.98	3.32	16.14	46.00	23.00
	count	4.00	4.00	4.00	4.00	4.00	4.00	3.00	3.00	3.00	4.00
group 14	average	23.08	2.54	8.61	10.31	0.03	7.71	5.13	21.25	50.35	9.67
subsurface flows	st dev	18.27	3.84	9.78	13.94	0.05	4.53	3.20	11.45	23.06	14.15
soil D and Cedar Grove compost	COV	0.79	1.51	1.14	1.35	1.93	0.59	0.62	0.54	0.46	1.46
Woodmoor	min	2.57	0.00	2.86	2.07	0.00	4.35	1.58	5.88	19.30	1.00
	max	47.00	8.13	23.25	31.15	0.11	14.32	8.57	31.32	74.10	26.00
	count	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	3.00
ratio of group 14 to group 13 averages		1.29	2.52	1.51	2.05	0.17	1.11	1.79	1.39	1.19	1.49
Kurskall-Wallis probability that averages are the same:		0.39	0.77	1.00	0.56	0.14	1.00	0.29	0.29	0.29	0.33

Description		Mg	Mn	Na	S	Zn	Si	10th size	50th size	90th size	toxicity
group 15	average	0.07	0.00	0.67	0.49	0.03	0.04	4.09	22.37	61.78	18.50
rainfall	st dev	0.07	0.00	0.30	0.15	0.07	0.05	4.05	20.18	25.31	9.04
	COV	0.97	0.83	0.45	0.31	2.41	1.20	0.99	0.90	0.41	0.49
	min	0.00	0.00	0.35	0.26	0.00	0.00	1.75	7.42	31.00	5.00
	max	0.22	0.00	1.32	0.78	0.19	0.12	10.15	52.08	85.90	24.00
	count	8.00	8.00	8.00	8.00	8.00	8.00	4.00	4.00	4.00	4.00

Table G-4. Comparisons of Surface Runoff and Subsurface Flow Quality for Soil Sites Compared to Sites with Soil and Compost (significant differences, at a £ 0.1 are shown in bold)

Description		PO4-P	TP	NH4-N	NO3-N	TN	Cl	SO4-S	Al	Ca	Cu	Fe	K
group 1	average	0.27	0.49	0.65	0.96	2.47	2.40	0.68	10.86	11.53	0.01	4.64	5.41
surface runoff	st dev	0.37	0.48	1.09	1.32	2.31	2.50	0.73	19.16	16.93	0.01	6.31	5.57
soil-only	COV	1.36	0.99	1.67	1.38	0.94	1.04	1.07	1.76	1.47	0.84	1.36	1.03
	min	0.00	0.00	0.00	0.00	0.58	0.32	0.03	0.00	1.58	0.00	0.00	0.50
	max	1.51	1.59	3.72	4.50	7.62	11.74	2.91	69.00	63.40	0.01	23.55	22.90
	count	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
group 2	average	1.88	2.73	4.09	3.01	8.43	6.69	1.51	0.71	18.36	0.02	1.22	30.19
surface runoff	st dev	1.89	2.48	7.45	4.68	12.19	7.37	1.36	1.16	20.93	0.03	1.81	40.49
soil and compost	COV	1.00	0.91	1.82	1.56	1.45	1.10	0.90	1.63	1.14	1.20	1.48	1.34
	min	0.21	0.28	0.00	0.00	0.92	0.77	0.10	0.00	0.87	0.00	0.00	0.50
	max	6.99	8.20	27.36	17.01	47.60	19.53	4.75	4.56	60.76	0.09	5.22	158.10
	count	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
ratio of group 2 to group 1 averages		**6.89**	**5.60**	6.27	3.13	**3.42**	2.78	**2.23**	**0.07**	1.59	**3.61**	**0.26**	**5.58**
Kurskall-Wallis probability that averages are the same:		**0.00**	**0.00**	0.17	0.21	**0.007**	0.11	**0.035**	**0.002**	0.66	**0.018**	**0.011**	**0.026**

Description		PO4-P	TP	NH4-N	NO3-N	TN	Cl	SO4-S	Al	Ca	Cu	Fe	K
group 3	average	0.17	0.48	0.23	1.18	1.88	2.18	0.95	1.74	16.66	0.01	2.81	4.64
subsurface flows	st dev	0.33	1.05	0.30	2.98	1.31	2.04	1.87	3.59	12.26	0.01	4.50	3.86
soils only	COV	1.97	2.19	1.32	2.52	0.70	0.93	1.96	2.07	0.74	1.57	1.60	0.83
	min	0.00	0.00	0.00	0.00	0.20	0.16	0.00	0.00	5.13	0.00	0.00	0.50
	max	1.35	4.60	0.95	10.50	4.58	8.43	6.75	15.45	41.02	0.04	16.51	16.83
	count	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
group 4	average	1.78	2.51	3.47	6.17	9.75	5.02	2.39	2.40	35.12	0.02	2.58	34.49
subsurface flows	st dev	2.19	2.68	10.36	17.48	20.56	8.07	3.40	3.71	39.76	0.02	2.30	55.80
soil and compost	COV	1.23	1.07	2.99	2.83	2.11	1.61	1.42	1.55	1.13	0.89	0.89	1.62
	min	0.10	0.00	0.00	0.00	0.71	0.00	0.03	0.00	6.66	0.00	0.00	0.50
	max	8.42	9.66	43.90	74.20	90.00	30.17	12.35	11.16	139.53	0.08	6.21	240.68
	count	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
ratio of group 4 to group 3 averages		**10.47**	**5.25**	15.29	5.21	**5.18**	2.30	**2.51**	1.38	**2.11**	**4.07**	0.92	**7.44**
Kurskall-Wallis probability that averages are the same:		**0.00**	**0.00**	0.54	0.11	**0.012**	0.94	**0.004**	0.98	**0.057**	**0.002**	0.60	**0.003**

Table G-4. Comparisons of Surface Runoff and Subsurface Flow Quality for Soil Sites Compared to Sites with Soil and Compost (significant differences, at a £ 0.1 are shown in bold) (Continued)

Description		Mg	Mn	Na	S	Zn	Si	10th size	50th size	90th size	toxicity
group 1	average	3.91	0.75	3.81	1.10	0.20	25.63	2.94	12.49	44.81	24.07
surface runoff	st dev	3.22	2.20	3.29	0.90	0.26	43.73	2.17	12.71	23.16	16.87
soil-only	COV	0.82	2.92	0.86	0.81	1.29	1.71	0.74	1.02	0.52	0.70
	min	0.61	0.00	0.57	0.32	0.00	1.48	1.21	3.05	25.70	9.00
	max	11.33	9.26	11.73	3.89	0.96	159.03	8.78	47.32	117.60	74.00
	count	20.00	20.00	20.00	20.00	20.00	20.00	13.00	13.00	13.00	14.00
group 2	average	5.75	0.36	3.25	2.54	0.14	4.17	2.79	14.97	46.06	16.27
surface runoff	st dev	7.03	0.69	2.73	2.05	0.15	4.40	0.73	6.29	17.80	13.60
soil and compost	COV	1.22	1.93	0.84	0.81	1.07	1.06	0.26	0.42	0.39	0.84
	min	0.37	0.00	0.58	0.54	0.00	0.03	1.81	6.85	21.80	1.00
	max	20.38	2.62	10.68	7.78	0.45	15.70	4.31	27.11	97.50	48.00
	count	18.00	18.00	18.00	18.00	18.00	18.00	14.00	14.00	14.00	15.00
ratio of group 2 to group 1 averages		1.47	0.47	0.85	**2.30**	0.68	**0.16**	0.95	1.20	1.03	0.68
Kurskall-Wallis probability that averages are the same:		0.70	0.88	0.82	**0.01**	0.96	**0.003**	0.26	0.11	0.44	0.20

Description		Mg	Mn	Na	S	Zn	Si	10th size	50th size	90th size	toxicity
group 3	average	5.04	0.41	3.38	1.34	0.05	8.88	3.10	12.93	40.91	12.54
subsurface flows	st dev	2.91	1.14	1.70	2.00	0.10	4.75	1.28	7.35	22.29	5.98
soils only	COV	0.58	2.81	0.50	1.50	2.22	0.53	0.41	0.57	0.54	0.48
	min	0.56	0.00	0.38	0.13	0.00	0.70	1.55	3.95	18.40	1.00
	max	12.84	4.74	7.76	8.23	0.41	18.38	6.19	30.98	87.20	21.00
	count	20.00	20.00	20.00	20.00	20.00	20.00	13.00	13.00	13.00	13.00
group 4	average	10.13	0.80	4.61	4.67	0.03	11.20	3.50	14.45	47.38	10.33
subsurface flows	st dev	10.91	1.95	5.71	7.28	0.05	8.12	2.18	9.47	25.97	11.46
soil and compost	COV	1.08	2.43	1.24	1.56	1.78	0.73	0.62	0.66	0.55	1.11
	min	1.78	0.00	1.02	0.30	0.00	0.62	1.53	4.35	19.30	1.00
	max	47.00	8.13	23.25	31.15	0.17	28.11	8.57	31.32	98.00	35.00
	count	18.00	18.00	18.00	18.00	18.00	18.00	13.00	13.00	13.00	12.00
ratio of group 4 to group 3 averages		**2.01**	1.97	1.37	**3.48**	0.63	1.26	1.13	1.12	1.16	0.82
Kurskall-Wallis probability that averages are the same:		**0.075**	0.15	0.31	**0.001**	0.45	0.55	1.00	0.82	0.61	0.24

Figure G-1. Particle size for all precipitation samples.

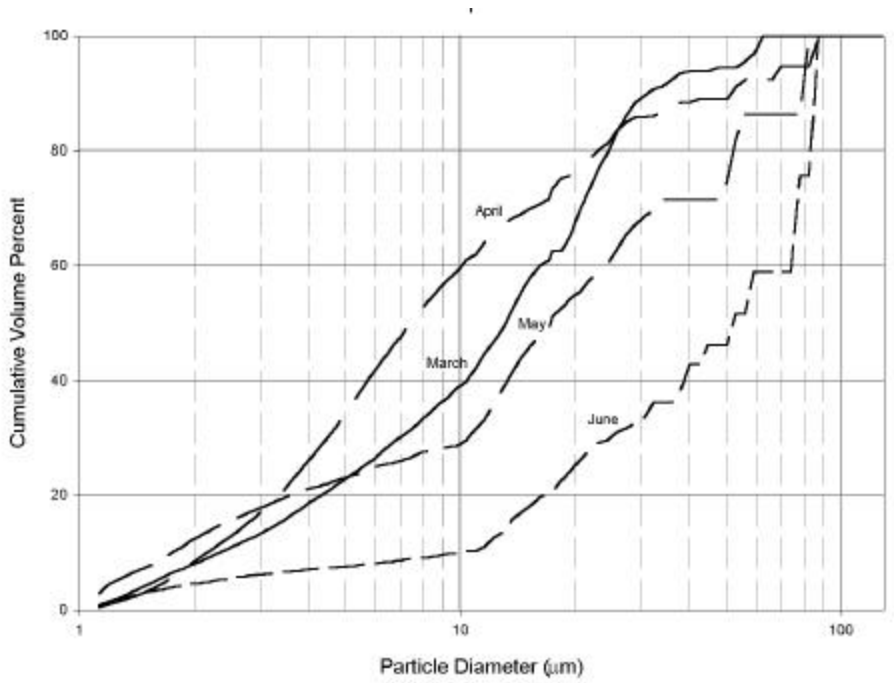

Figure G-2. Timbercrest, Alderwood soil C only, subsurface sample, January 4, 1998.

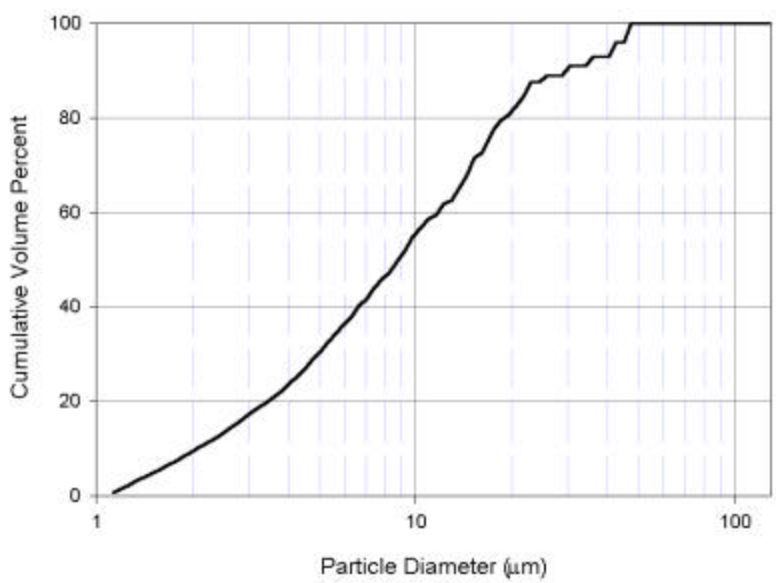

Figure G-3. Timbercrest, Alderwood soil C only, February 20, 1998.

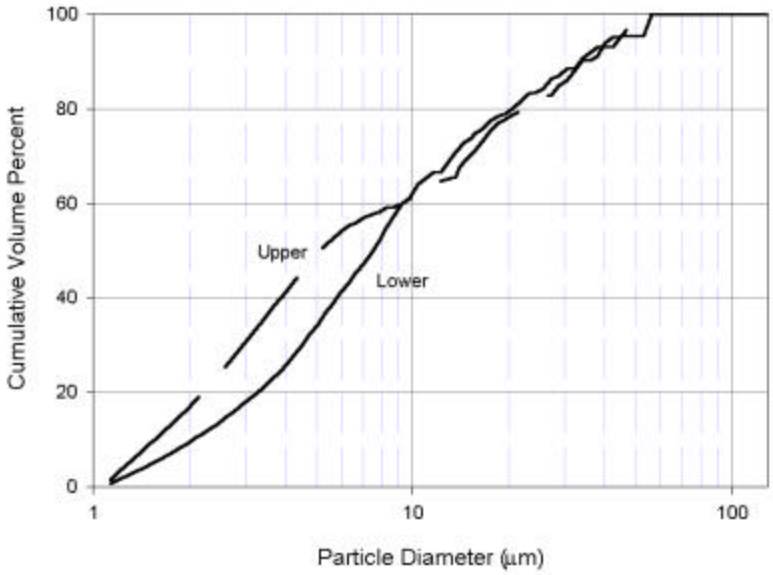

Figure G-4. Timbercrest, Alderwood soil C only, March 15, 1998.

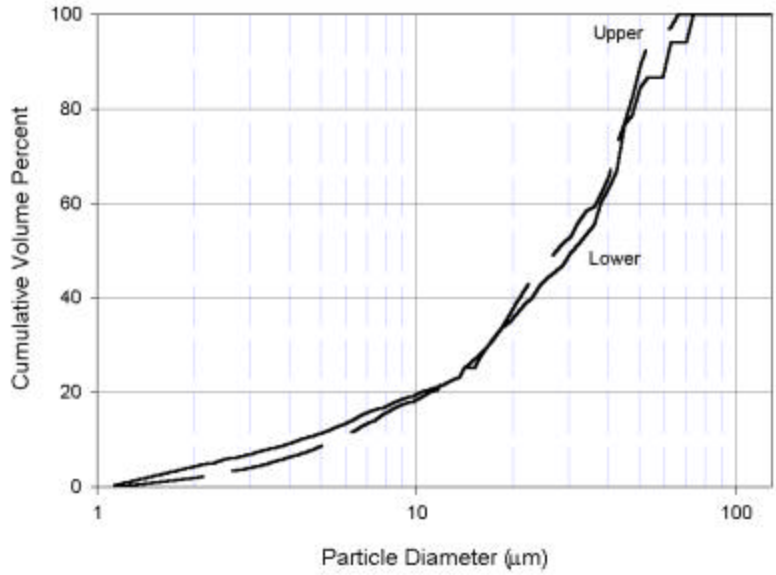

Figure G-5. Timbercrest, Alderwood soil C only, June 1998.

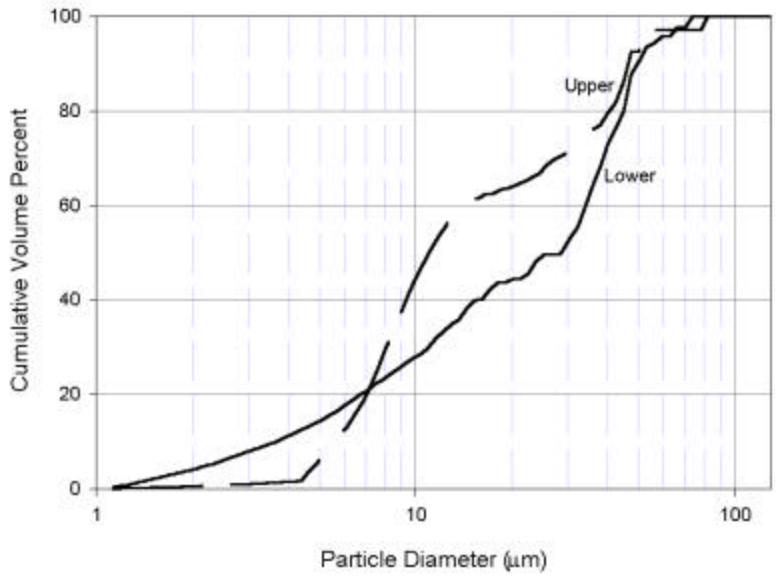

Figure G-6. Urban Horticulture (UW), Alderwood soil A only, surface runoff, April 17, 1998.

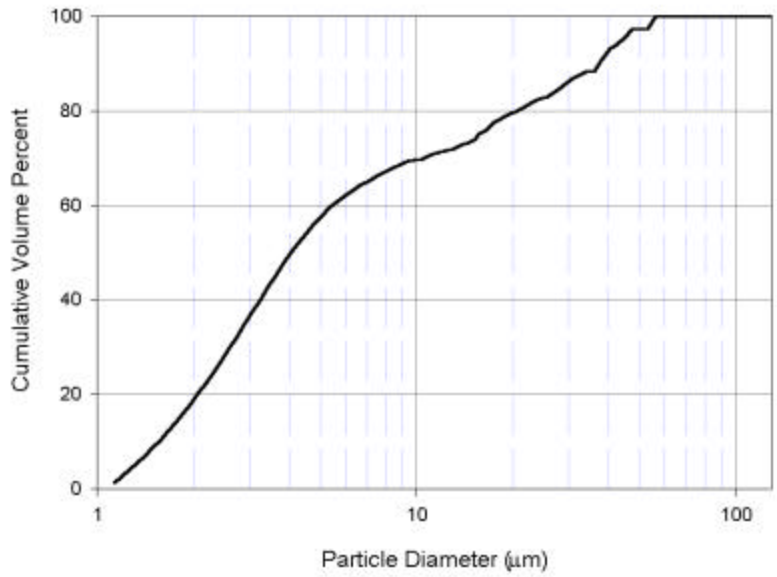

Figure G-7. Urban Horticulture (UW), Alderwood soil A only, June, 1998.

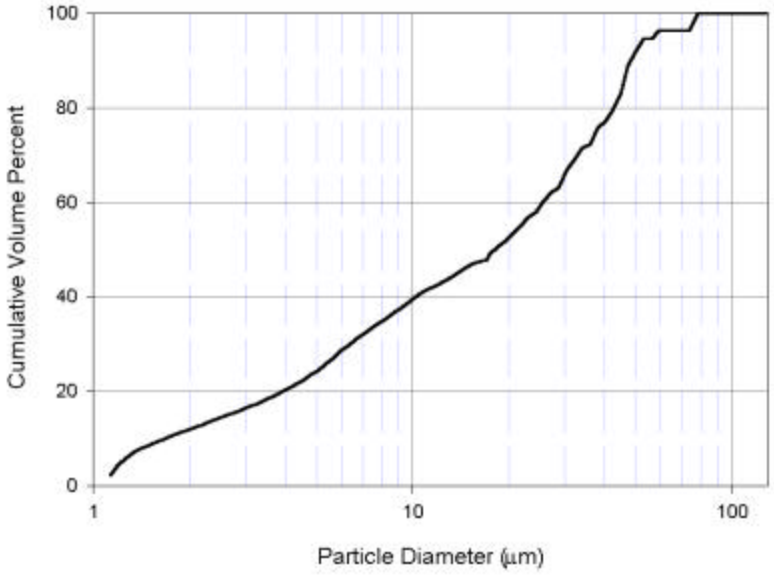

Figure G-8. Urban Horticulture (UW), Alderwood soil A only, February 20, 1998.

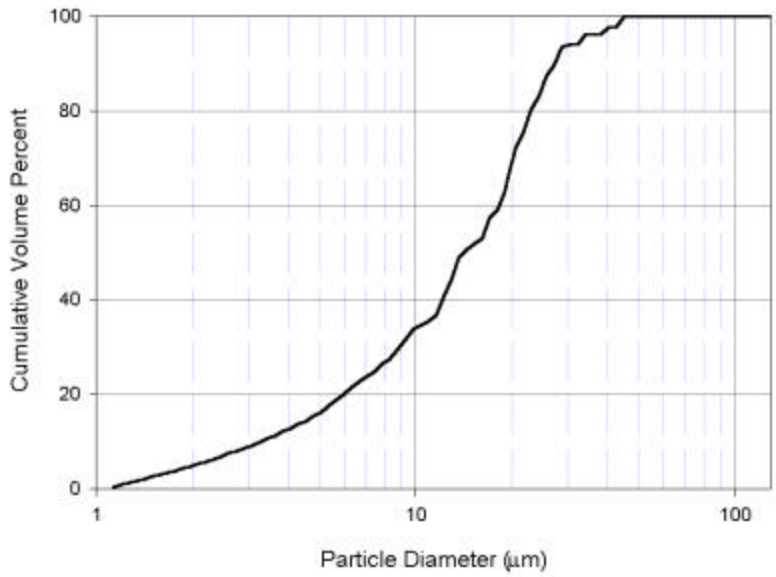

Figure G-9. Urban Horticulture (UW), Alderwood soil A only, January 4, 1998.

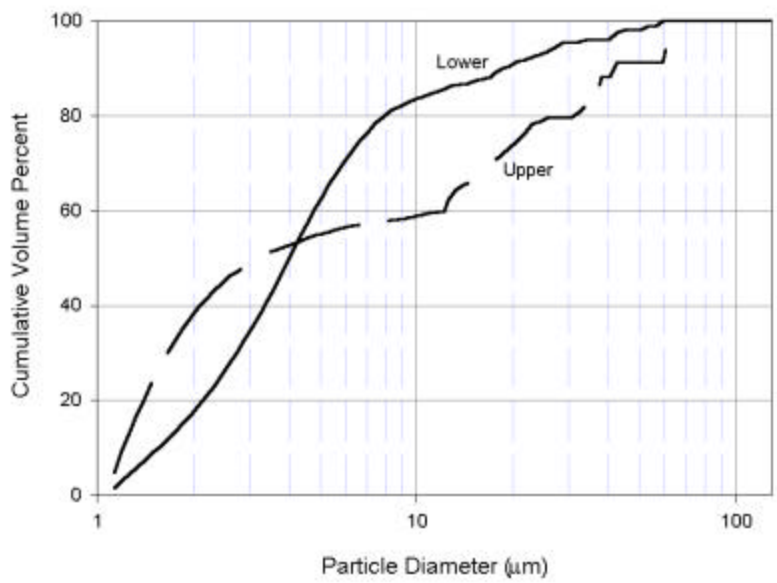

Figure G-10. Urban Horticulture (UW), Alderwood soil A only, March 15, 1998.

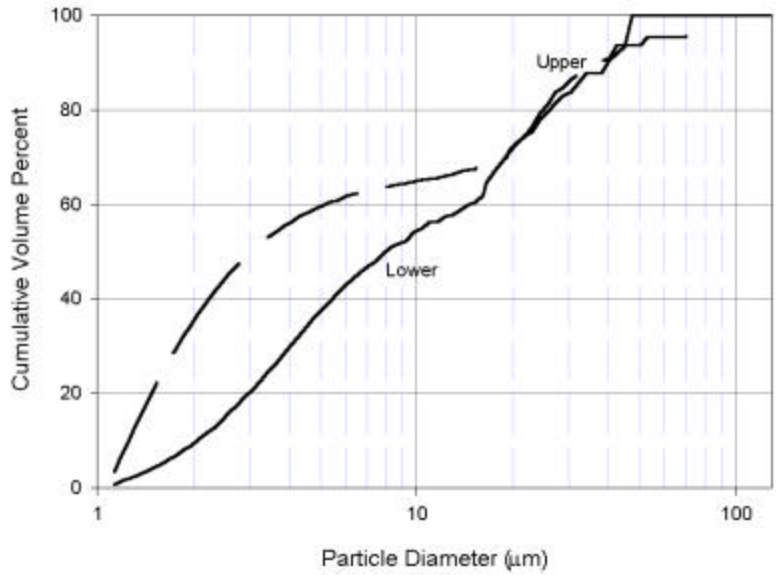

Figure G-11. Urban Horticulture (UW), Alderwood soil A only, May 28, 1998

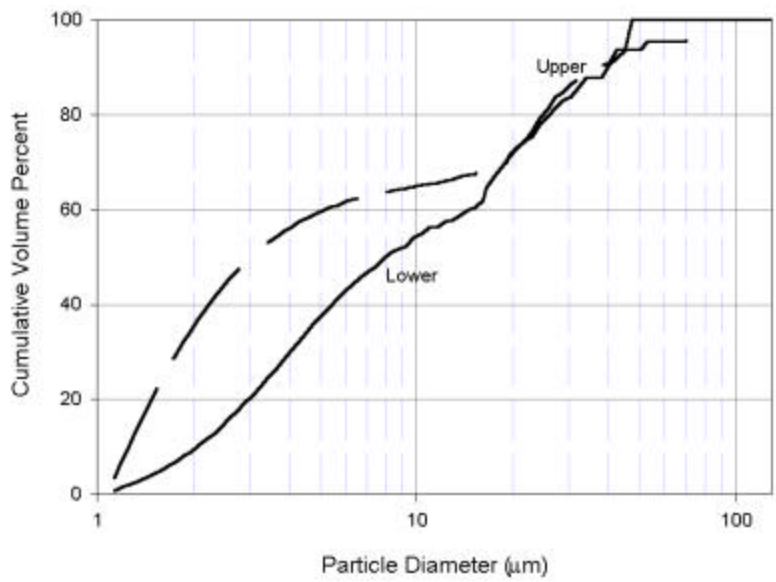

Figure G-12. Urban Horticulture (UW), Alderwood soil A and compost, subsurface flow sample, May 28, 1998.

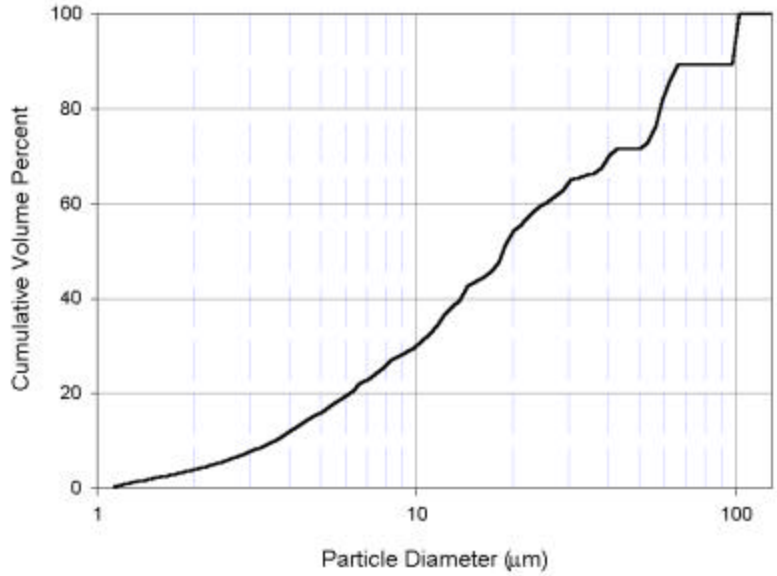

Figure G-13. Urban Horticulture (UW), Alderwood soil A and compost, January 4, 1998.

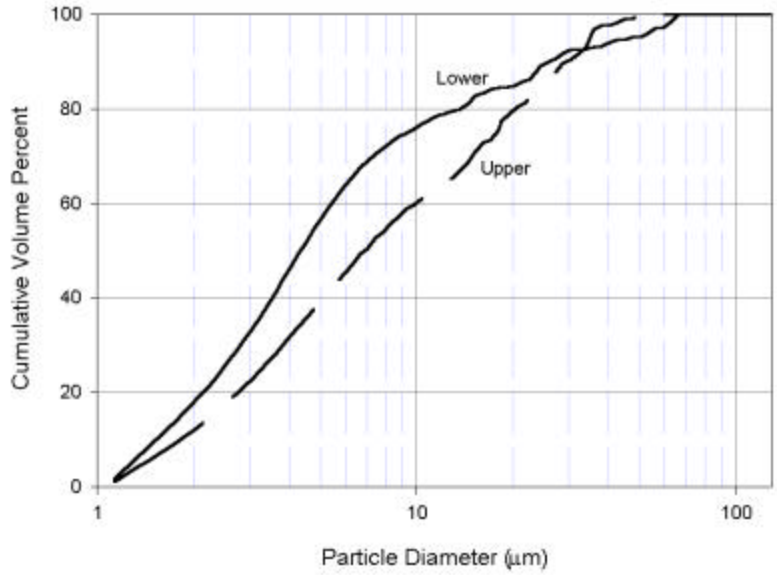

Figure G-14. Urban Horticulture (UW), Alderwood soil A and compost, February 20, 1998.

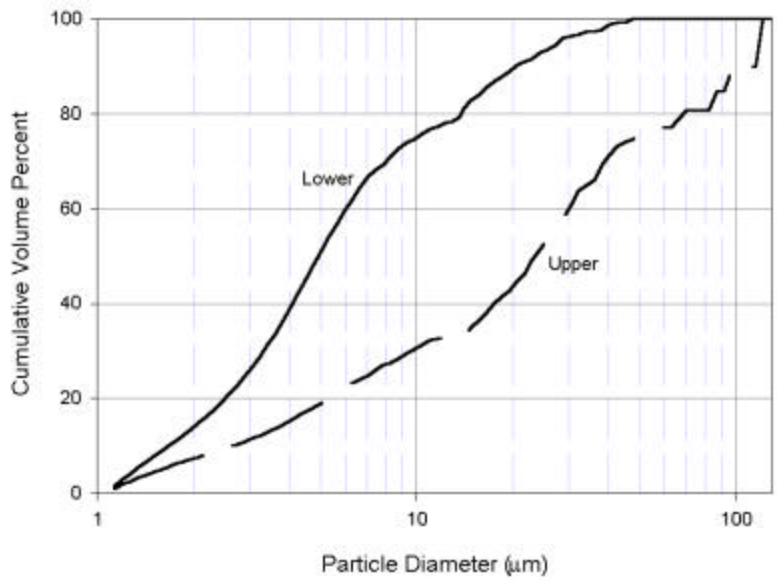

Figure G-15. Urban Horticulture (UW), Alderwood soil A and compost, March 15, 1998.

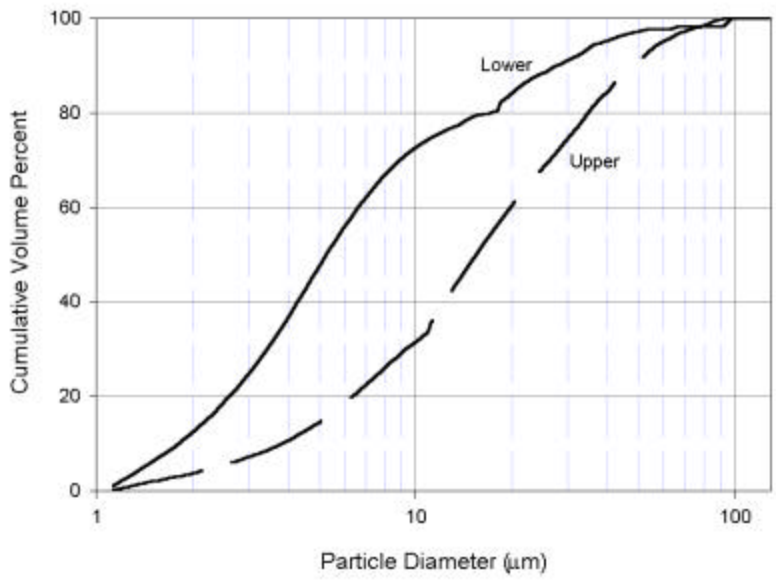

Figure G-16. Urban Horticulture (UW), Alderwood soil A and compost, April 17, 1998.

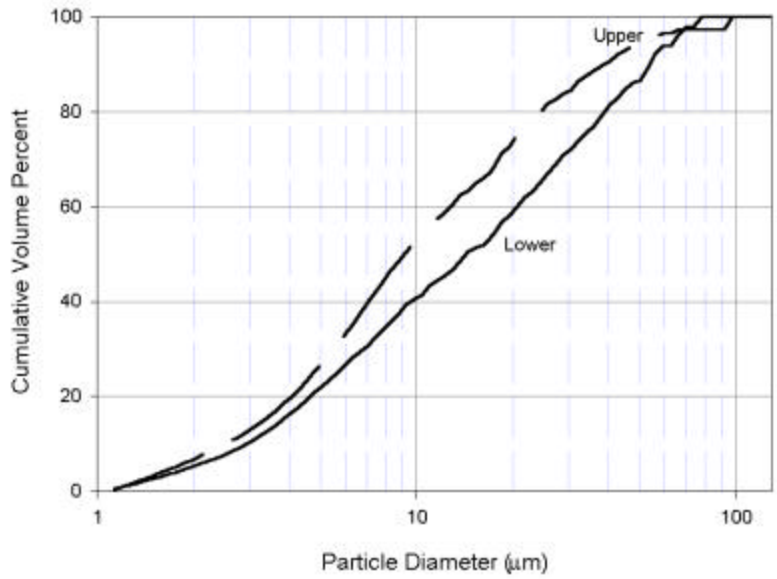

Figure G-17. Urban Horticulture (UW), Alderwood soil A and compost, June 1998

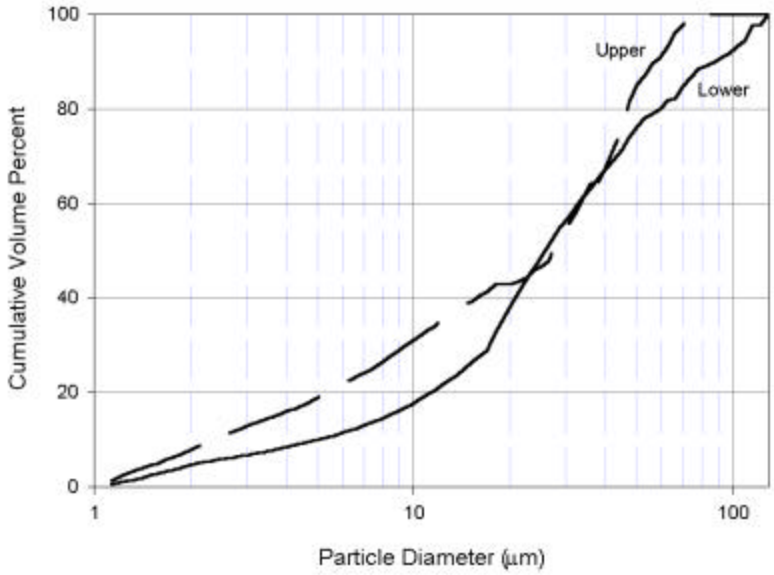

Figure G-18. Urban Horticulture (UW), Alderwood soil B only, surface runoff, May 28, 1998.

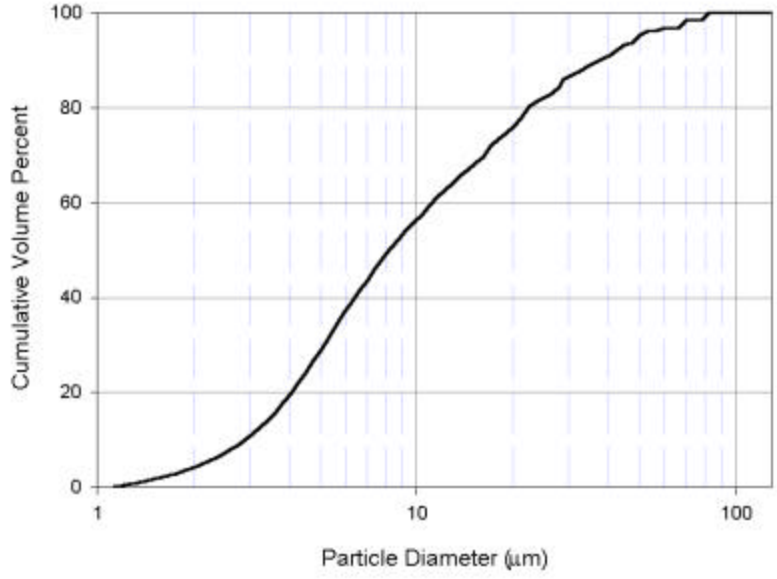

Figure G-19. Urban Horticulture (UW), Alderwood soil B only, surface runoff, June, 1998.

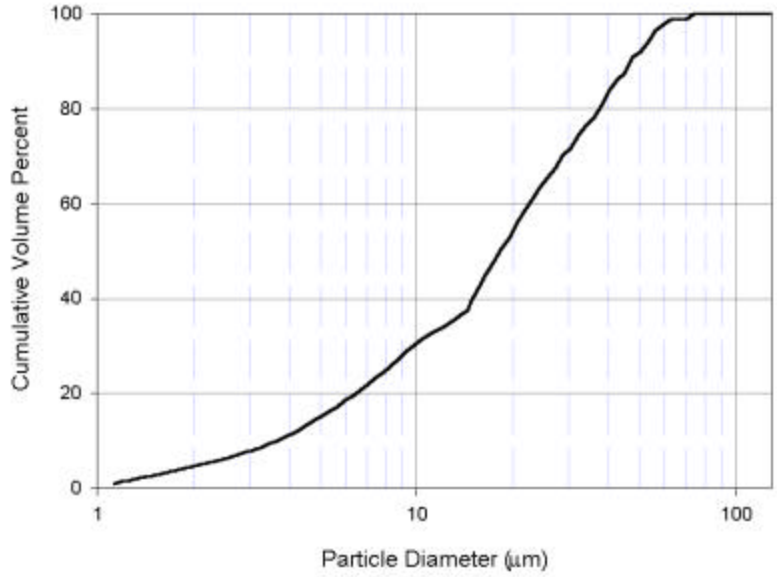

Figure G-20. Urban Horticulture (UW), Alderwood soil B only, January 4, 1998.

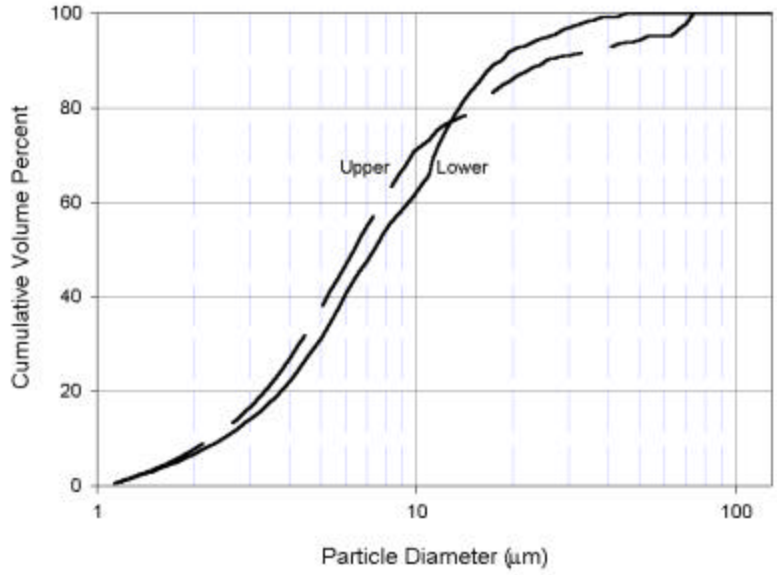

Figure G-21. Urban Horticulture (UW), Alderwood soil B only, February 20, 1998.

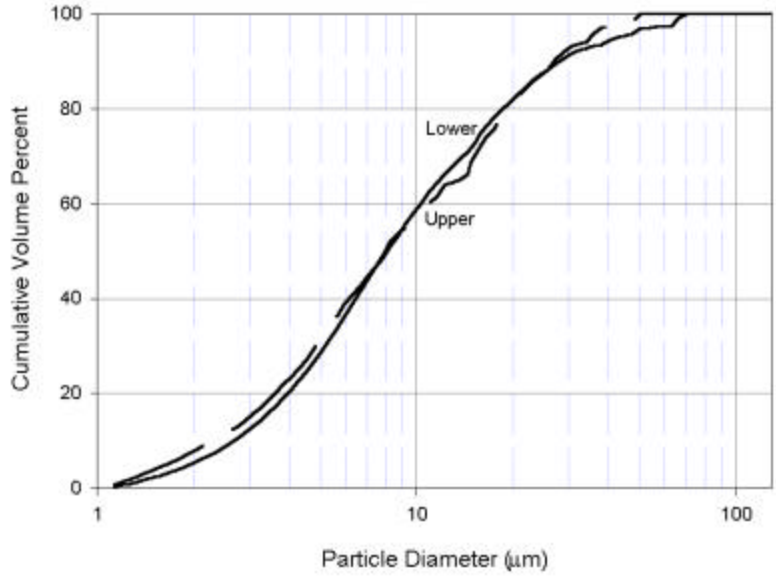

Figure G-22. Urban Horticulture (UW), Alderwood soil B only, March 15, 1998.

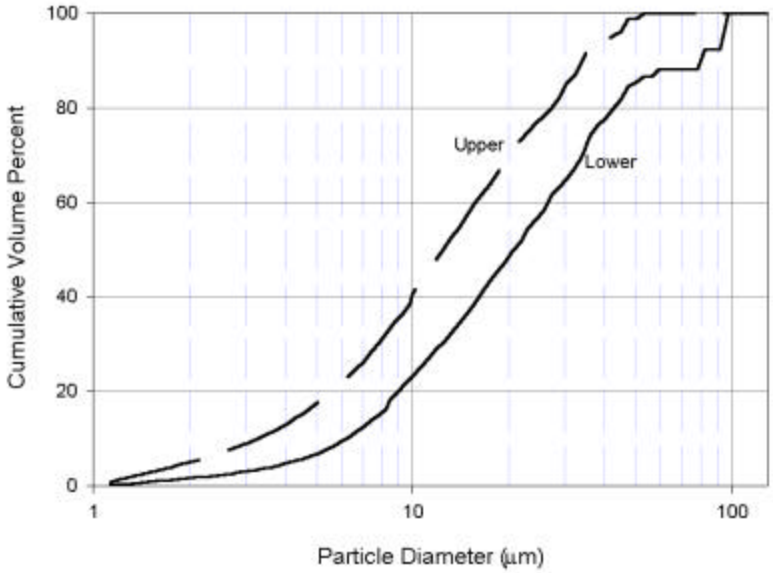

Figure G-23. Urban Horticulture (UW), Alderwood soil B only, April 17, 1998.

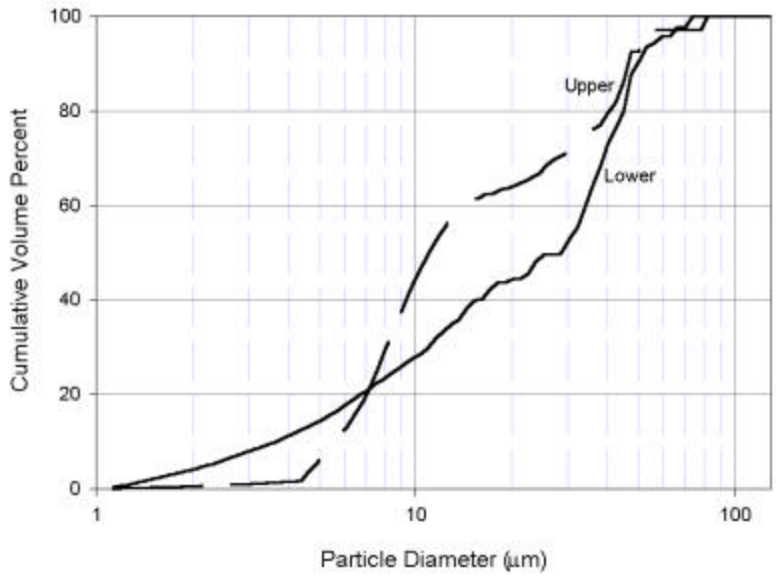

Figure G-24. Woodmoor, Alderwood soil D only, March 15, 1998.

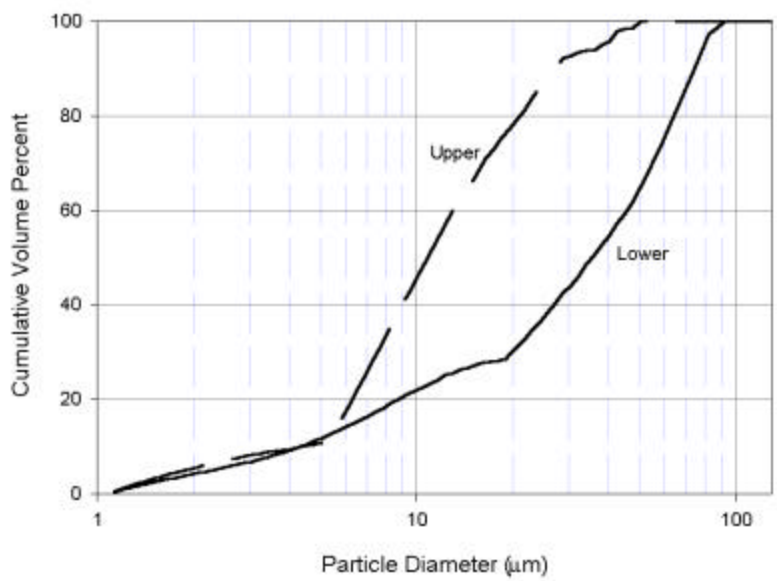

Figure G-25. Woodmoor, Alderwood soil D only , subsurface flow, April 15, 1998.

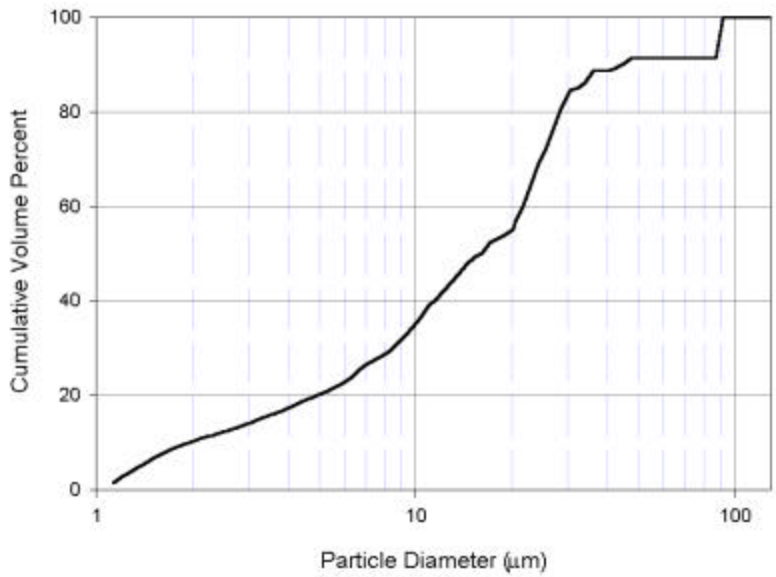

Figure G-26. Woodmoor, Alderwood soil D with compost, subsurface flow, January 4, 1998.

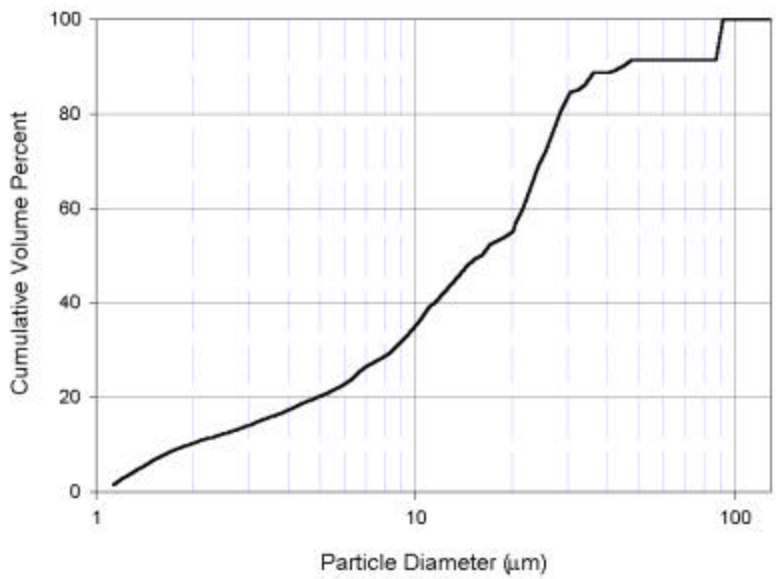

Figure G-27. Woodmoor, Alderwood soil D with compost, March 15, 1998.

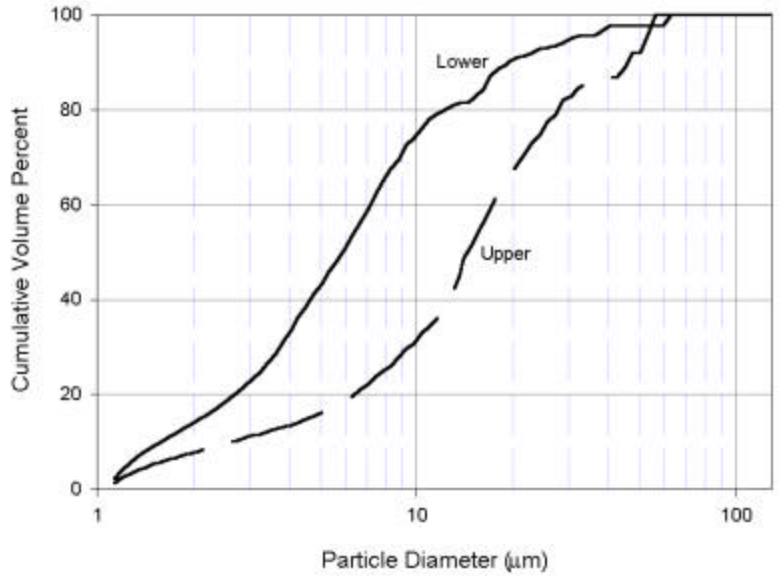

Figure G-28. Woodmoor, Alderwood soil D with compost, May 28, 1998.

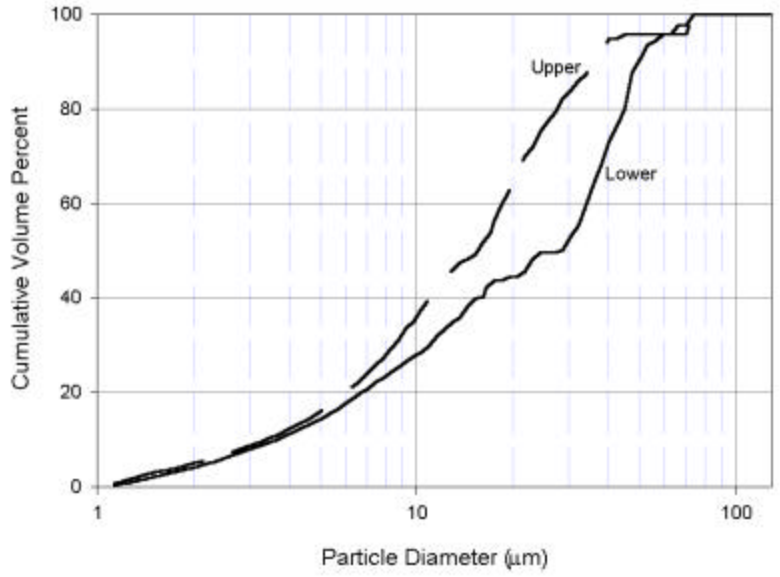
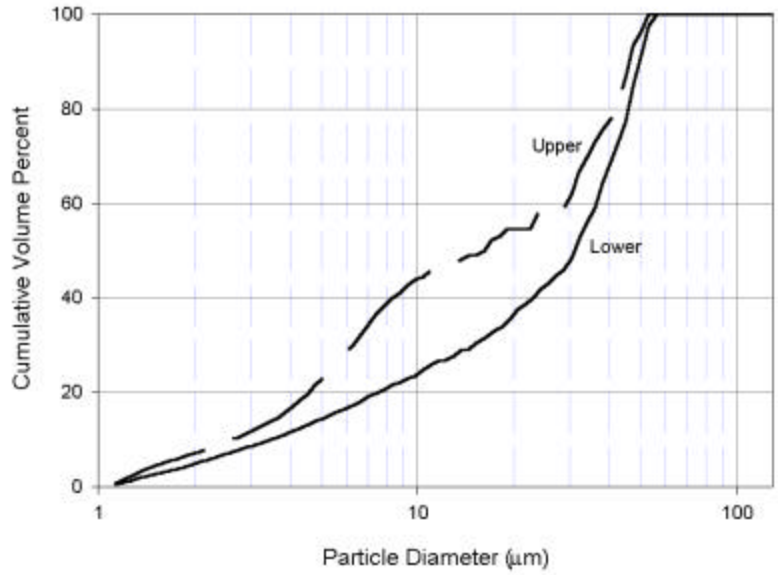
Figure G-29. Woodmoor, Alderwood soil D with compost, June 1998.